



AGENDA

Dakota County Soil and Water Conservation District Board Meeting

Thursday, August 10, 2023 - 9:00 a.m.

Meeting Room 1 – Dakota County Extension and Conservation Center

4100 220th Street Farmington, MN 55024

1. Call to Order
2. Pledge of Allegiance
3. Audience
Anyone wishing to address the Board regarding an item that is not on the agenda may come forward at this time. Comments are limited to five minutes.
4. Approval of Agenda (Additions/Corrections/Deletions)

CONSENT AGENDA

To be adopted under one motion unless a request is made to move an item to Regular Agenda for discussion

5. Approval of July 13, 2023 Meeting Minutes
6. Approval of August 10, 2023 Accounts Payable
7. Acceptance of the July 2023 Finance Report

REGULAR AGENDA

8. Authorization to Provide Final Payment to Carol Leifeld for Installation of Grassed Waterway Action
9. Authorization to Execute Contract with William Callister Jr. for Installation of Grassed Waterway Action
10. Authorization to Execute Three Contracts with Nick Becker for Establishing Cover Crop (3-year) Action
11. Authorization to Execute Two Contract with Nick Becker for Establishing Cover Crop (1-year) Action
12. Authorization to Execute Two Contacts with Tom Leifeld for Establishing Cover Crop (1-year) Action
13. Authorization to Submit FY24 Clean Water Fund Grant application to Implement Streambank Stabilization and Stormwater Best Management Practices along Interstate Valley Creek and to Execute Grant if Awarded. Action
14. Selection of 2023 Outstanding Conservationist Action
15. Announcements and Reports
 - Natural Resources Conservation Service
 - Dakota County
 - Cannon River Watershed Joint Powers Board
 - Vermillion River Watershed Joint Powers Organization
 - Metropolitan Conservation Districts Joint Powers Board
 - Minnesota Association of Soil and Water Conservation Districts
 - District Managers Report
 - Board of Supervisor Announcements

16. Upcoming Events

- August 7-13, 2023 Dakota County Fair
Dakota County Fairgrounds, 4008 220th Street West, Farmington
- August 9, 2023 Lower Mississippi River Watershed Management Organization Meeting
Inver Grove Heights Veterans Memorial Center – 8055 Barbara Avenue – 3:00 p.m.
- August 10, 2023 Dakota County Soil and Water Conservation District Board Meeting
Extension and Conservation Center, 4100 220th Street West, Farmington – 9:00 a.m.
- August 10, 2023 Minnesota Department of Agriculture’s Water Quality Certification Event
Dave and Mark Legvold Farm, 5103 315th Street West, Northfield - 3:00 to 8:00 p.m.
- August 15, 2023 Eagan-Inver Grove Heights Watershed Management Organization Meeting
Eagan City Hall – 1st Floor, 3830 Pilot Knob Road – 5:30 p.m.
- August 16 2023 Black Dog Watershed Management Organization Meeting
Burnsville Maintenance Facility, 13713 Frontier Court, Burnsville – 5:00 p.m.
- August 16, 2023 Lower Minnesota River Watershed District Meeting
Chaska City Hall, Once City Hall Plaza 2nd Floor – 7:00 p.m.
- August 23, 2023 MN Board of Water and Soil Resources and Vermillion River Watershed JPO Tour
GrandStay Hotel, 7083 153rd Street West, Apple Valley, 7:30 a.m. – 4:30 p.m.
- August 24, 2023 Vermillion River Watershed Joint Powers Board Meeting
Extension and Conservation Center, 4100 220th Street West, Farmington – 1:00 p.m.
- August 30, 2023 Metropolitan Conservation Districts Joint Powers Board Meeting
Ramsey County Public Works, 1425 Paul Kirkwold Drive. Arden Hills – 4:00 p.m.
- September 14, 2023 Dakota County Soil and Water Conservation District Board Meeting
Extension and Conservation Center, 4100 220th Street West, Farmington – 9:00 a.m.

17. Adjourn



MEETING MINUTES

BOARD OF SUPERVISORS MEETING

DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Thursday, July 13, 2023

9:00 a.m.

4100 220th Street W, Suite 102
Farmington, Minnesota

Board Members Present:

Laura Zanmiller, Chair
Kevin Chamberlain, Vice Chair
Jayne Dee Hager, Treasurer
Chelsea Skog, Secretary
Bruce Johnson, Information Officer

SWCD Staff Present:

Brian Watson
Pam LaValle
Curt Coudron
Todd Matzke
Ashley Gallagher

Others Present:

Dain Olson, DCAO
Lizzy Dawson, NRCS
Mark Zabel, VRW JPO
Brian Jastram, Rock Leaf Water Environmental

1. Call to Order and Roll Call

Chair Zanmiller called the meeting to order at 9:04 a.m.

2. Pledge of Allegiance

Chair Zanmiller led the Board of Supervisors in the Pledge of Allegiance.

3. Audience

Chair Zanmiller asked if there was anyone in the audience that wished to address the Board on an item that is not on the agenda. Nobody came forward.

4. Approval of Agenda with Addition

23.050 Motion by Dee second by Johnson to approve the agenda. All members voting in favor. Motion carried.

CONSENT AGENDA

5. Approval of June 8, 2023 Meeting Minutes

The June 8, 2023 meeting minutes were presented.

6. Approval of July 13, 2023 Accounts Payable

The July 2023 accounts payable were presented.

7. Acceptance of June Finance Report

The June finance Report was presented.

8. Authorization to Execute Consent and Confirmation of Waiver Form with Dakota County.

Execution of the consent and confirmation waiver form acknowledges joint representation and waives on behalf of the SWCD and Dakota County any conflict of interest that may result during the drafting and review of the joint powers agreement.

23.051 Motion by Dee, second by Chamberlain to approve the consent agenda items. Members voting in favor: Zanmiller, Skog, Johnson, Dee, and Chamberlain. Motion carried.

REGULAR AGENDA

9. Authorization to Amend Contract and Provide Final Payment to Mary Schwendig for Installation of Grassed Waterways.

Mary Schwendig has completed the installation of two grassed waterways in Hampton Township, Vermillion River Watershed. The project was approved for funding at the April 13, 2023 Board meeting at 85% cost share not to exceed \$14,280 based on a cost estimate of \$16,800. During construction additional rip-rap at the project outlet was necessary. Extra grading and shaping of the waterway was necessary to accommodate the rip-rap. Mary Schwendig is requesting a contract amendment to include these additional and unanticipated project costs. Final eligible project expenses were \$20,130.75. Project installation has been certified by SWCD staff. Staff is recommending amending the existing contract to include the additional project cost and final payment of \$17,111.14.

23.052 Motion by Chamberlain, second by Johnson to provide final payment of \$17,111.14 to Mary Schwendig (23-IPP-07) for reconstruction of grassed waterways. Funding would be provided from our agreement with Dakota County and the Vermillion River Watershed Joint Powers Organization. Members voting in favor: Skog, Johnson, Dee, Chamberlain, and Zanmiller. Motion carried.

10. Authorization to Provide Final Payment to Terry Fischbach for Installation of Native Prairie with Pollinator Habitat.

Terry Fischbach has completed the installation of a 3.1-acre native prairie with pollinator habitat in Ravenna Township, Vermillion River Watershed. The project was approved for funding at the May 11, 2023 Board meeting at 85% cost share not to exceed \$6,460 based on a cost estimate of \$7,600. Project installation has been certified by SWCD staff. Final eligible expenses were \$4,550.81. Based on 85% of eligible expenses, staff is recommending final payment of \$3,868.19.

23.053 Motion by Chamberlain, second by Johnson to provide final payment of \$2868.19 to Terry Fischbach (23-IPP-18) for installation of a native prairie with pollinator habitat. Funding would be provided from our FY22 Drinking Water Protection Grant and our agreements with Dakota County and the Vermillion River Watershed Joint Powers Organization. Members voting in favor: Johnson, Dee, Chamberlain, Zanmiller, and Skog. Motion carried.

11. Authorization to Provide Partial Payment to Andy Winter for Establishing Harvestable Cover. (3 year)

Andy Winter has completed the first year seeding under his three-year contract to maintain harvestable cover on 20 acres in Greenvale Township, Cannon River Watershed. The project was approved for funding at the May 11, 2023 Board meeting with an incentive payment not to exceed \$2,100 over three years. Project seeding has been certified by staff. Project funds are available through our agreement with Dakota County.

23.054 Motion by Dee, second by Johnson to provide partial payment of \$700 to Andy Winter (23-IPP-19) for establishing cover crop. Members voting in favor: Dee, Chamberlain, Zanmiller, Skog, and Johnson. Motion carried.

12. Authorization to Execute Contract with Andy Winter for Establishing Cover Crop. (1 year)

Andy Winter is proposing to establish a cover crop on 40 acres in Greenvale Township, Cannon River Watershed. Project funds are available through our agreement with Dakota County.

23.055 Motion by Dee, second by Johnson to execute contract with Andy Winter (23-IPP-20) not to exceed \$1,400 for establishing cover crop. Members voting in favor: Chamberlain, Zanmiller, Skog, Johnson, and Dee. Motion carried.

13. Authorization to Execute Two Contracts with Paul Gergen Jr for Establishing Cover Crop. (1 year)

Paul Gergen Jr is proposing to establish a cover crop on two different fields totaling 58 acres located in Hampton Township, Cannon River Watershed. Project funds are available through our agreement with Dakota County.

23.056 Motion by Johnson, second by Skog to execute two contracts with Paul Gergen Jr (23-IPP-36 & 23-IPP-37) not to exceed \$2,030 for establishing cover crop. Members voting in favor: Zanmiller, Skog, Johnson, Dee, and Chamberlain. Motion carried.

14. Authorization to Execute Contract with the Minnesota Department of Natural Resources for Conducting Groundwater Level Monitoring Services.

The DNR provided a FY24 professional and technical services contract to conduct groundwater level measurements at various observation wells in Dakota County. The term of the agreement is July 1, 2023 to June 30, 2024. Per this contract, 37 observation wells will be monitored at various intervals. The work plan includes a total of 154 well readings and payment to the SWCD would be \$30 for each successful on-line submittal of data. Additional readings may be requested and the not to exceed contract amount would be \$3,660. Actual staff costs to perform these well readings has been between \$7,000 and \$8,000. The Dakota County Groundwater unit has agreed to supplement this DNR contract with an additional \$2,500. This charge for service would occur through our existing 5-year joint powers agreement with Dakota County

23.057 Motion by Dee, second by Johnson to execute contract with the Minnesota Department of Natural Resources not to exceed \$3,660. All members voting in favor. Motion carried.

15. Adoption of Guidelines on the use of SWCD Aid Payments.

Local Capacity grants that have been allocated to Soil and Water Conservation Districts from the Clean Water Fund were eliminated and replaced by SWCD Aid derived from the general fund. Allocations will be provided directly from the Minnesota Department of Revenue. The Dakota SWCD will receive \$186,062.87 in FY24 and in FY25. The intended use for these funds needs to be adopted and posted to our website. A draft template on how these funds will be used has been prepared for adoption.

23.058 Motion by Chamberlain, second by Johnson to adopt the guidelines regarding use of SWCD Aid. All members voting in favor. Motion carried.

16. Announcements and Reports

Natural Resources Conservation Service

The Natural Resources Conservation Services (NRCS) report was provided by Lizzy Dawson. Dawson provided a staffing and training update and reported the EQIP application deadline is tentatively set for mid-October 2024.

Dakota County

The Dakota County report was provided by Valerie Neppl. Neppl provided a staff update and reported the model mining ordinance is finalized and ready for posting on the website. Neppl reported the Environmental Resources Department is offering farmers with irrigation the opportunity to test the nitrogen content of their irrigation water at no cost. Samples bottles are available for pickup and must be returned by July 31, 2023. The results will be used for educational outreach to reduce ground application. Neppl reported Matt Belanger

will be visiting two townships per month as part of the ACRE program, and they have developed a water conservation message to be used among the cities during the drought.

Cannon River Watershed Joint Powers Board

No report provided. Their next meeting is scheduled for August 2, 2023.

Vermillion River Watershed Joint Powers Board

The Vermillion River Watershed report was provided by Mark Zabel. Zabel provided a staff update. Watson reported Zabel's last day is Friday and thanked him for all his work in the Vermillion River Watershed and collaboration with the SWCD the past 15 years and wished him all the best.

Metropolitan Conservation Districts Joint Power Board

No report provided.

Minnesota Association of Soil and Water Conservation Districts

No report provided.

District Managers Report

Watson provided an update on the recent Dakota County Board of Commissioners Physical Development Committee Meeting regarding the study to vacate the Extension and Conservation Center. Watson reported there are several outreach events that have been held or being planned. Dakota County is working to deliver a rural newsletter and the SWCD will be attending an upcoming meeting to determine how the SWCD can be involved.

Board of Supervisors Announcements

No report provided.

17. Upcoming Events

The upcoming events were reviewed.

18. Adjourn

23.059 Motion by Chamberlain, second by Johnson to adjourn. All members voting in favor. Motion carried.

The meeting was adjourned at 9:27 a.m.

Respectfully submitted,

Chelsea Skog
Secretary

**Dakota County SWCD
Balance Sheet
July 2023**

7.0 July, 2023 Finance Report

ASSETS:

Checking , Savings, CD	\$	1,538,346.75	
Total Cash:			\$1,538,346.75

Accounts Receivable:

Black Dog WMO		Q2 Invoices for Services	\$ 14,460.00
City of Burnsville			\$ 810.00
DC Environmental Resources			\$ 21,723.30
Eagan - Inver Grove Heights WMO			\$ 11,694.48
Lower Mississippi River WMO			\$ 22,400.00
Lower Mississippi River WMO FY22 Seidl Lake			\$ 415.00
Lower Minnesota Watershed District			\$ 3,375.00
MCD - MAWQCP			\$ 395.00
MCD - ETA			\$ 16,331.50
MCD - Hosting Services			\$ 2,564.00
			\$ -

Total Accounts Receivable: \$ 94,168.28

Prepaid Items \$ -

TOTAL ASSETS: \$ 1,632,515.03

LIABILITIES AND EQUITY:

Current Liabilities

Payroll Liabilities	\$	-	
Sales Tax Payable		\$ 2,137.29	
			\$ 2,137.29

Unearned Revenue:

Buffer Law Funds 2022	\$	-	
Buffer Law Funds 2023		\$ 13,124.28	
Conservation Delivery 2022		\$ 6,907.97	
Conservation Delivery 2023		\$ 21,240.00	
Local Capacity Services 2022		\$ -	
Local Capacity Services 2023		\$ 74,591.50	
DC Drinking Water PP 2022		\$ 35,212.31	
Soil Health Care FY23		\$ 14,175.00	
State Cost Share 2022		\$ 9,515.50	
State Cost Share 2023		\$ 22,054.00	
WBIF 2021 Cannon River		\$ 74,466.19	
WBIF 2022 Cannon River		\$ 149,504.00	
WBIF 2021 Miss River East		\$ 14,508.00	
WBIF 2021 MN River South		\$ 8,096.38	
WBIF 2021 Vermillion River		\$ (1,573.65)	
WBF 2023 Vermillion River		\$ 74,826.50	
WBF 2022 Black Dog		\$ 24,965.00	
WBF 2022 E-IGH		\$ 37,500.00	
MN State Aid		\$ 93,031.44	
DC Natural Resources Block Grant		\$ 10,068.50	
DC Operating Allocation		\$ 179,709.19	
WOMP Deferred		\$ 8,897.66	
Total Unearned Revenue			\$ 870,819.77

Total Liabilities: \$ 872,957.06

Fund Balance Beginning of Year	\$	712,576.02	
YTD Net Income/loss		\$ 46,981.95	
Fund Balance End of Current Period		\$ 759,557.97	

TOTAL LIABILITIES AND EQUITY: \$ 1,632,515.03

Dakota County SWCD
Income and Expense Summary
July 2023

	Current Month	Year to Date
Income		
County Revenues	\$ 99,042.77	\$ 377,305.45
State Revenues	\$ 129,982.29	\$ 256,292.80
Local Revenues	\$ 143,603.98	\$ 212,902.89
Interest Earnings	\$ 1,913.31	\$ 9,294.75
Charges for Services	\$ (25.00)	\$ 11,057.00
Tree Program Revenues	\$ -	\$ 29,954.07
	<hr/>	<hr/>
Total Income	\$374,517.35	\$896,806.96
Expense		
County Expenses	\$ 700.00	\$ 9,232.14
State Expenses	\$ 3,868.19	\$ 47,325.50
Local Expenses	\$ 25,914.14	\$ 44,615.65
Operating Expenses	\$ 3,321.60	\$ 24,210.43
Payroll/Personnel Expenses	\$ 107,690.47	\$ 703,528.82
Project Expenses	\$ -	\$ 1,264.15
Tree Program Expenses	\$ (0.87)	\$ 19,648.32
	<hr/>	<hr/>
Total Expense	\$141,493.53	\$849,825.01
Net Income	<u>\$233,023.82</u>	<u>\$46,981.95</u>

DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Roll Call Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Provide final payment of \$16,635.57 to Carol Liefeld for the installation of a grassed waterway.

SUMMARY:

Carol Liefeld has completed the reconstruction of a grassed waterway in Hampton Township, Cannon River Watershed.

The project was approved for funding at the April 13, 2023 Board meeting at 85% cost share not to exceed \$20,825 and based on a cost estimate of \$24,500.

Project installation has been certified by SWCD staff. Final eligible expenses were \$19,571.26. Staff is recommending final payment of \$16,635.57 (85% of eligible expenses) to Carol Liefeld.

EXPLANATION OF FISCAL/FTE IMPACT:

Funds to install the project are available through our FY21 Cannon WBIF Grant.

Supporting Documents:

23-IPP-04 Leifeld, Carol WW Factsheet

Previous Board Action:

Motion 23.029 on 4/13/2023

Authorization to Execute Contract

CAROL LEIFELD

GRASSED WATERWAY



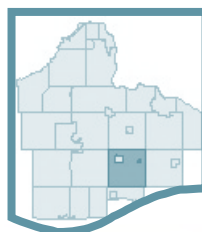
PROJECT: Surface water runoff was causing gully erosion along and within the existing waterway that was beyond its functional life. The project included the construction of a grassed waterway to convey the runoff and reduce future erosion.

FUNDING:	Total Project Cost:	\$19,571
	Cost Share Amount:	\$16,635
	Landowner Amount	\$2,936



Clean Water Fund:
Protecting and restoring
Minnesota's waters for
generations to come.

LOCATION:
Hampton Township



PRACTICE:

- Grassed Waterway

BENEFITS:

- 6.4 tons of sediment per year prevented from traveling downstream
- 6.4 lbs. of phosphorous per year prevented from traveling downstream

PARTNERS:

- Dakota County
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Cannon River

RECEIVING WATERS:

- Trout Brook

INSTALLATION:

- Spring 2023



Concentrated flow was causing erosion in the existing waterway channel.



Erosion was also occurring along the edges of the waterway



Accumulated sediment in the waterway was removed to improve capacity to convey runoff.



The new waterway was shaped and the removed sediment was dispersed in the field.



The waterway was seeded, mulched, and an erosion control blanket was installed down the center of the waterway.



Perennial vegetation was establishing 2 months after construction.

DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Roll Call Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Authorize execution of a contract with William Callister Jr. not to exceed \$16,065 for the installation of a grassed waterway.

SUMMARY:

William (Chip) Callister Jr. is proposing to construct a grassed waterway in Hampton Township in the Cannon River Watershed. Surface water runoff is causing gullies to form in the field. The waterway will convey runoff and reduce future erosion.

Total cost of the project is estimated at \$18,900. Staff is recommending approval at 85% cost share not to exceed \$16,065.

EXPLANATION OF FISCAL/FTE IMPACT:

Project funds are available through our FY21 Cannon WBIF Grant and our agreement with Dakota County.

Supporting Documents:
23-IPP-06 Callister, Chip WW Factsheet

Previous Board Action:
None



WILLIAM CALLISTER JR. GRASSED WATERWAY



PRACTICE:

- Grassed Waterway

BENEFITS:

- 5.6 tons of sediment per year prevented from traveling downstream
- 5.6 lbs. of phosphorous per year prevented from traveling downstream

PARTNERS:

- Minnesota Board of Water and Soil Resources

WATERSHED:

- Cannon River

RECEIVING WATERS:

- Pine Creek

INSTALLATION:

- Fall 2023

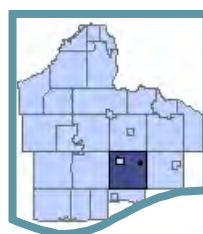
PROJECT: Surface water runoff is causing erosion in the field. A 1,300 foot grassed waterway will be installed to reduce future erosion.

FUNDING:	Estimated Project Cost:	\$18,900
	Cost Share Amount:	\$16,065
	Landowner Amount	\$2,835



Clean Water Fund:
*Protecting and restoring
Minnesota's waters for
generations to come.*

LOCATION:
Hampton Township



DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Roll Call Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Authorize execution of three contracts with Nick Becker not to exceed \$11,880, \$2,565, and \$6,885 for the establishment of cover crops.

SUMMARY:

Nick Becker (LLB Farms, LLC) is proposing to establish cover crops on three different fields. One field is located in Ravenna Township and two fields are located in Marshan Township. All fields are in the Vermillion River Watershed.

Each field will have a separate contract that will require establishment of a cover crop for three consecutive years. Based on our adopted cost share policy, a landowner is eligible for up to \$45 per acre per year on a three-year contract.

Under each contract, incentives for establishing the cover crop are as follows:

- 88 acres not to exceed \$11,880
- 19 acres not to exceed \$2,565
- 51 acres not to exceed \$6,885

Seeding plans have been prepared and accepted for each field. Under District cost share policy, payment for the first year will be made upon certification of the installation and Board approval. Payments for additional years will be made annually when the cover crop seeding has been completed for that year and certified by District staff.

EXPLANATION OF FISCAL/FTE IMPACT:

Project funds are available through our FY22 CWF Drinking Water Protection Phase 2 grants and our agreements with Dakota County and the Vermillion River Watershed Joint Powers Organization.

Supporting Documents:

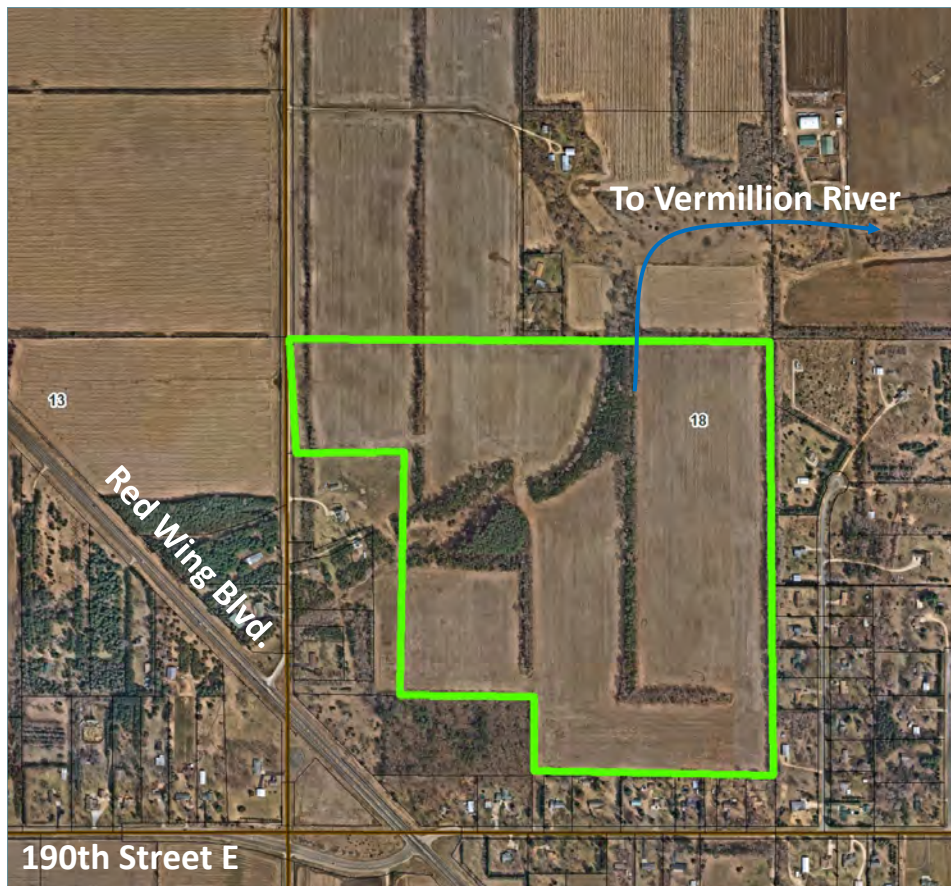
23-IPP-25 Becker, Nick CC Factsheet
23-IPP-28 Becker, Nick CC Factsheet
23-IPP-29 Becker, Nick CC Factsheet

Previous Board Action:

None



NICK BECKER COVER CROPS



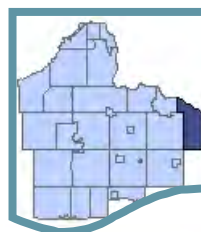
PROJECT: A winter cereal rye cover crop will be planted on 88 acres following soybean harvest and will be planted for two additional years. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: **Incentive Amount:** **\$11,880**
(88 acres x \$45 per acre x 3years)



Clean Water Fund:
*Protecting and restoring
Minnesota's waters for
generations to come.*

LOCATION:
Ravenna Township



PRACTICE:

- Cover Crops

BENEFITS:

- 2.2 tons of sediment per year prevented from traveling downstream
- 4 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Vermillion River Watershed Joint Powers Organization
- Dakota County
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Vermillion River

RECEIVING WATERS:

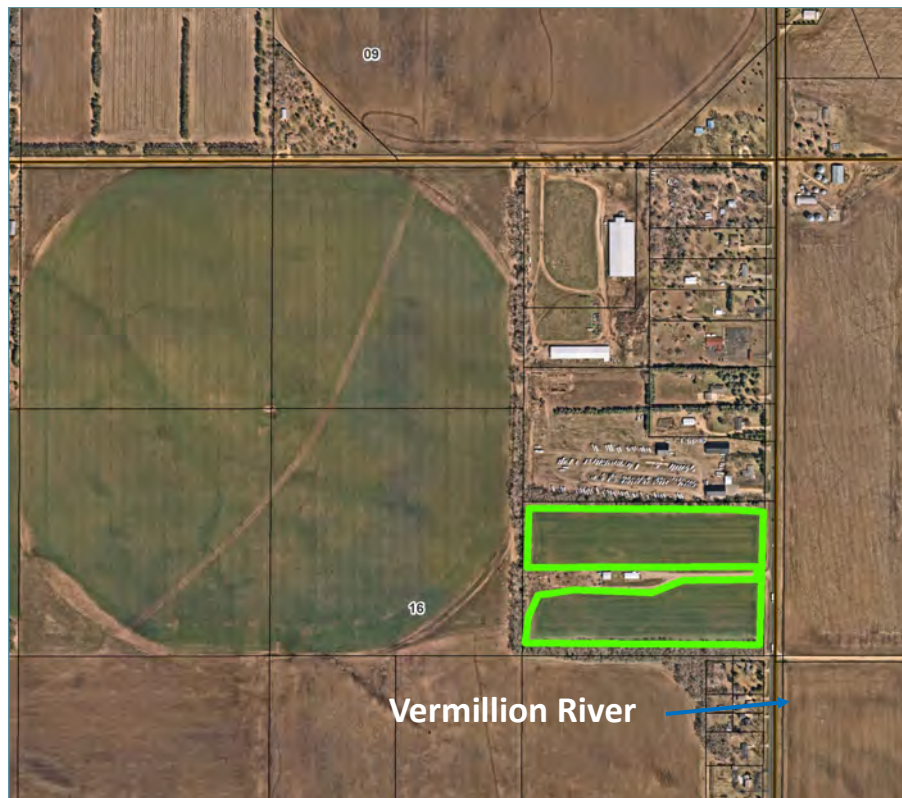
- Vermillion River

INSTALLATION:

- Fall 2023, 2024 and 2025



NICK BECKER COVER CROPS



PROJECT: A winter cereal rye cover crop will be planted on 19 acres following soybean harvest and will be planted for two additional years. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: Incentive Amount: \$2,565
(19 acres x \$45 per acre x 3 years)

PRACTICE:

- Cover Crops

BENEFITS:

- 1 ton of sediment per year prevented from traveling downstream
- 1 lb. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County
- Vermillion River Watershed Joint Powers Organization
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

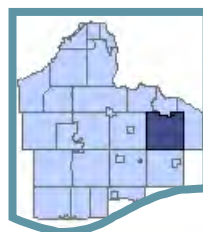
- Fall 2023, 2024, 2025



Clean Water Fund:
*Protecting and restoring
Minnesota's waters for
generations to come.*

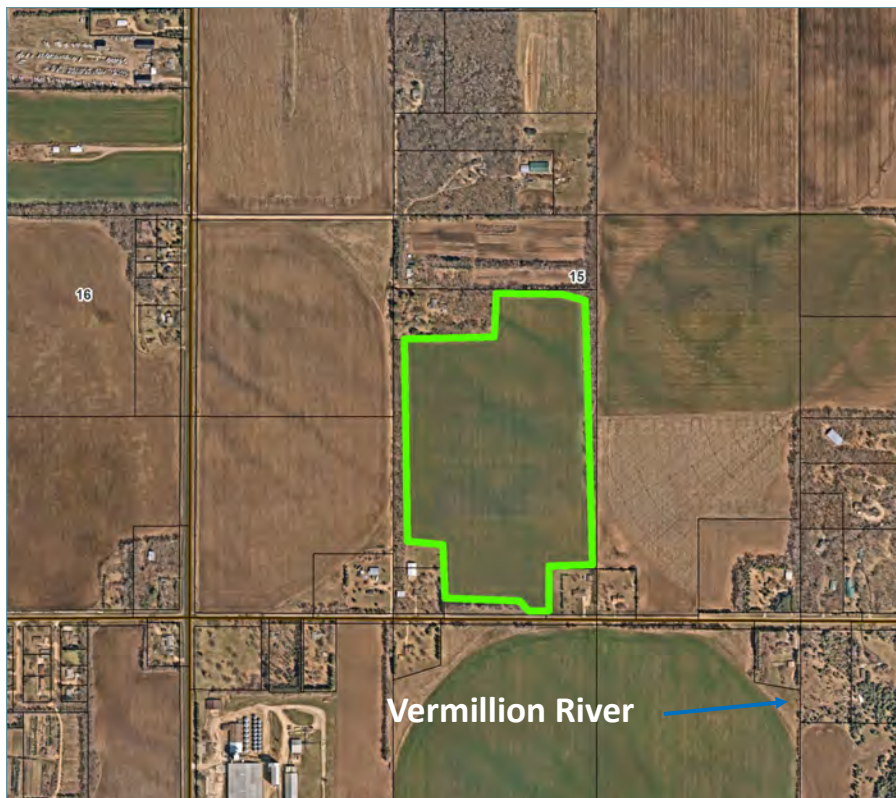
LOCATION:

Marshan
Township





NICK BECKER COVER CROPS



PRACTICE:

- Cover Crops

BENEFITS:

- 2 tons of sediment per year prevented from traveling downstream
- 3 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County
- Vermillion River Watershed Joint Powers Organization
- Minnesota Board of Water and Soil Resources

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2023, 2024, 2025

PROJECT: A winter cereal rye cover crop will be planted on 51 acres following soybean harvest and will be planted for two additional years. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

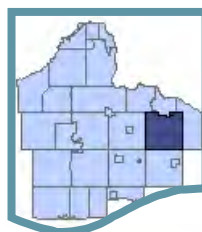
FUNDING: **Incentive Amount:** **\$6,885**
 (51 acres x \$45 per acre x 3 years)



Clean Water Fund:
*Protecting and restoring
 Minnesota's waters for
 generations to come.*

LOCATION:

Marshan
 Township



DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Roll Call Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Authorize execution of two contracts with Nick Becker not to exceed \$1,225 and \$1,295 for the establishment of cover crop.

SUMMARY:

Nick Becker is proposing to establish a cover crop on two different fields. One field is located in Vermillion Township and one field is in Marshan Township, both in the Vermillion River Watershed.

A seeding plan has been prepared and accepted for each field. Based on our adopted cost share policy, a landowner is eligible for up to \$35 per acre on a one-year contract.

Each field will have a separate contract. Under each contract, incentives for establishing the cover crop are as follows:

- 35 acres not to exceed \$1,225
- 37 acres not to exceed \$1,295

SWCD staff will certify cover crop establishment after installation.

EXPLANATION OF FISCAL/FTE IMPACT:

Project funds are available through our agreements with Dakota County and the Vermillion River Watershed Joint Powers Organization.

Supporting Documents:

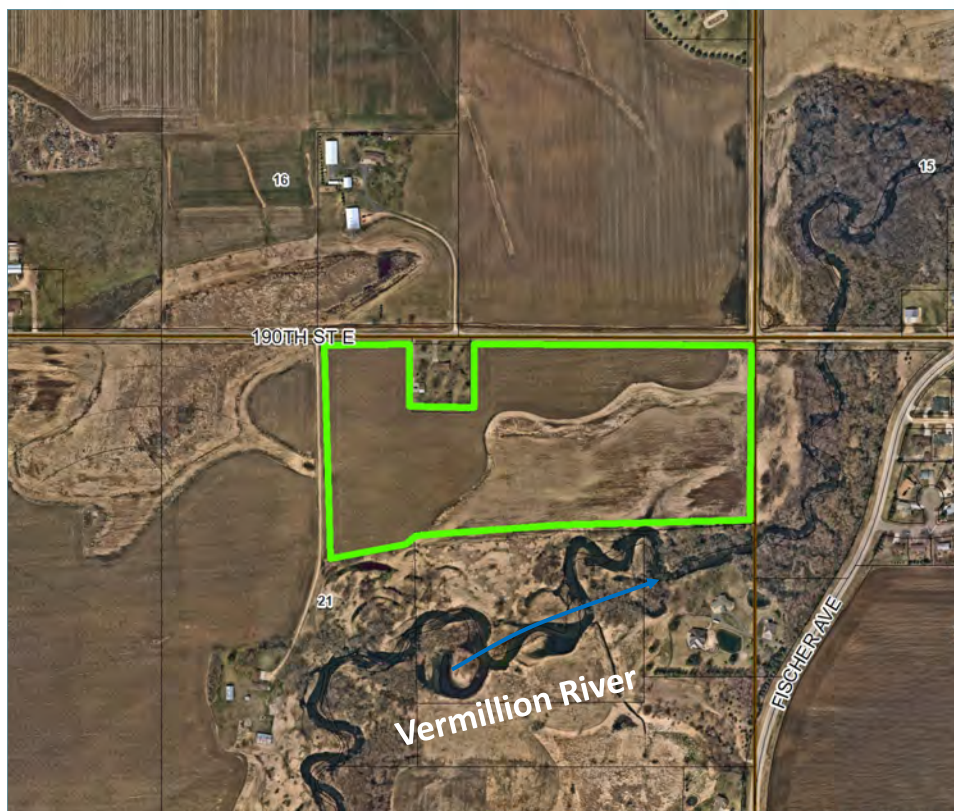
23-IPP-26 Becker, Nick CC Factsheet
23-IPP-27 Becker, Nick CC Factsheet

Previous Board Action:

None



NICK BECKER COVER CROP



PRACTICE:

- Cover Crop

BENEFITS:

- 2.5 tons of sediment per year prevented from traveling downstream
- 3.7 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County
- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2023

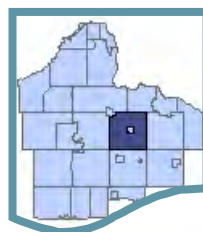
PROJECT: A winter cereal rye cover crop will be planted on 35 acres following soybean harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: Incentive Amount: \$1,225
(35 acres x \$35 per acre x 1year)



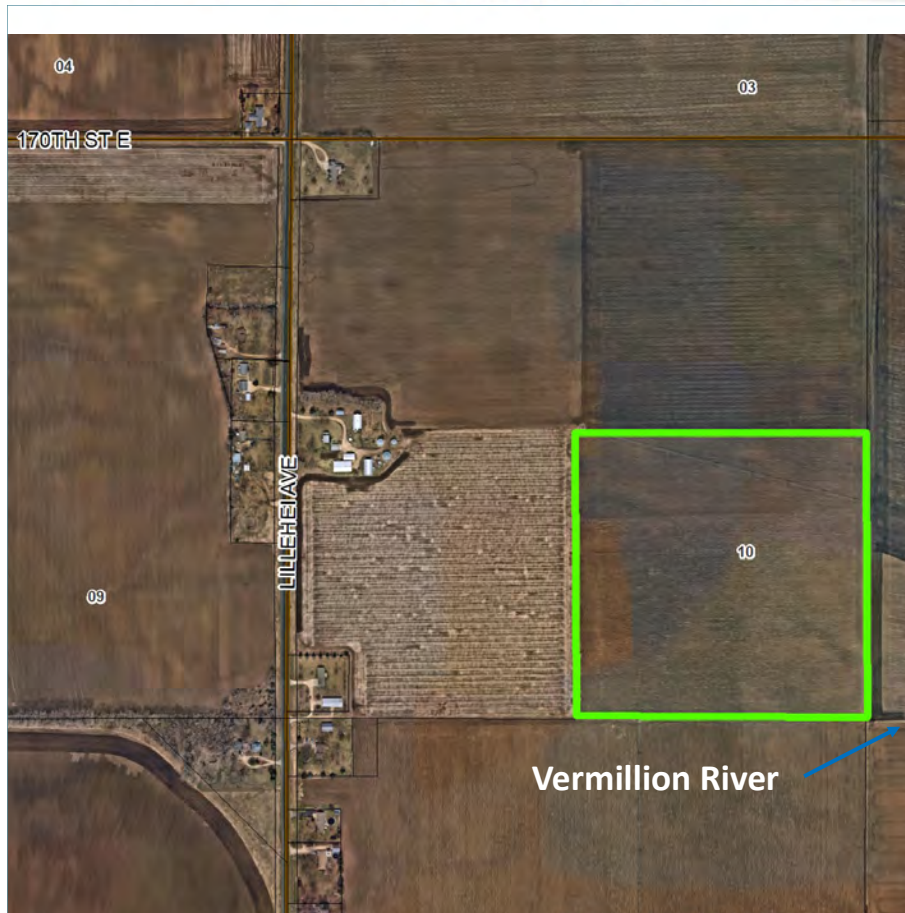
LOCATION:

Vermillion
Township





NICK BECKER COVER CROP



PRACTICE:

- Cover Crop

BENEFITS:

- 1 ton of sediment per year prevented from traveling downstream
- 1.8 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County
- Vermillion River Watershed Joint Powers Organization

WATERSHED:

- Vermillion River

RECEIVING WATERS:

- Vermillion River

INSTALLATION:

- Fall 2023

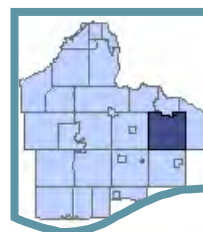
PROJECT: A winter cereal rye cover crop will be planted on 37 acres following soybean harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: Incentive Amount: \$1,295
(37 acres x \$35 per acre x 1 year)



LOCATION:

Marshan
Township



DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Roll Call Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Authorize execution of two contracts with Tom Leifeld not to exceed \$1,540 and \$4,025 for the establishment of cover crop.

SUMMARY:

Tom Leifeld is proposing to establish a cover crop on two different fields. The fields are located in Douglas Township, Cannon River Watershed.

A seeding plan has been prepared and accepted for each field. Based on our adopted cost share policy, a landowner is eligible for up to \$35 per acre on a one-year contract.

Each field will have a separate contract. Under each contract, incentives for establishing the cover crop are as follows:

- 44 acres not to exceed \$1,540
- 115 acres not to exceed \$4,025

SWCD staff will certify cover crop establishment after installation.

EXPLANATION OF FISCAL/FTE IMPACT:

Project funds are available through our agreement with Dakota County.

Supporting Documents:

23-IPP-38 Leifeld, Tom CC Factsheet
23-IPP-39 Leifeld, Tom CC Factsheet

Previous Board Action:

None

TOM LEIFELD

COVER CROPS



PRACTICE:

- Cover Crops

BENEFITS:

- 3.6 tons of sediment per year prevented from traveling downstream
- 5.4 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County

WATERSHED:

- Cannon River

RECEIVING WATERS:

- Trout Brook

INSTALLATION:

- Fall 2023

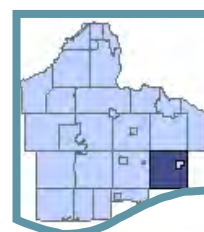
PROJECT: A rye cover crop will be planted on 44 acres following soybean harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: Incentive Amount: **\$1,540**
(44 acres x \$35 per acre)



LOCATION:

Douglas
Township



TOM LEIFELD

COVER CROPS

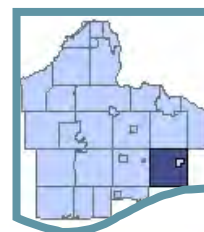


PROJECT: A rye cover crop will be planted on 115 acres following soybean harvest. The cover crop will provide erosion control, reduce weed pressure, and prevent nutrient leaching.

FUNDING: Incentive Amount: **\$4,025**
(115 acres x \$35 per acre)



LOCATION:
Douglas
Township



PRACTICE:

- Cover Crops

BENEFITS:

- 12.6 tons of sediment per year prevented from traveling downstream
- 18 lbs. of phosphorous per year prevented from traveling downstream
- Reduced leaching of nitrate into groundwater on highly vulnerable and sensitive soils
- Retained nutrients and improved soil health.

PARTNERS:

- Dakota County

WATERSHED:

- Cannon River

RECEIVING WATERS:

- Trout Brook

INSTALLATION:

- Fall 2023

DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Voice Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Authorize submittal of FY24 Clean Water Fund Grant application to implement streambank stabilization and stormwater best management practices along Interstate Valley Creek and to execute grant agreement if awarded.

SUMMARY:

The deadline for submittal of FY24 Clean Water Fund Grant applications is August 24th. Staff is proposing to submit one application under this competitive grant application process.

The application would request \$585,000 in grant funds to implement streambank stabilizations and stormwater best management practices along Interstate Valley Creek between Marie Avenue and the Mississippi River in Mendota Heights. The project is a partnership between the SWCD, Dakota County, City of Mendota Heights, and the Lower Mississippi River Watershed Management Organization.

This project will install practices that have been identified within both the Interstate Valley Creek Stabilization and Volume Reduction Study and the Lower Mississippi River Watershed Management Organization's (LMRWMO) Comprehensive Watershed Management Plan. The creek has substantial active bank erosion and discharges to the Mississippi River, which is impaired for total suspended solids (TSS). The identified streambank stabilizations and stormwater best management practices are estimated to reduce total suspended solids (TSS) by 292 tons/year and phosphorus (TP) by 270 lbs/year.

A 10% grant match is required and would be provided by the project partners. Much of the grant would be pass-through funds for engineering and construction, with a portion of the funds available for SWCD staff time to complete project coordination, technical assistance, and grant administration.

Staff will provide an overview of the completed study, proposed practices, and ongoing coordination between project partners.

EXPLANATION OF FISCAL/FTE IMPACT:

None at this time. If awarded in the spring of 2024, these grant funds would be incorporated into future staff workplans and annual budgets during the life of the grant.

Supporting Documents:

Interstate Valley Creek Proposed Project Overview

Previous Board Action:

N/A

Interstate Valley Creek - Watershed

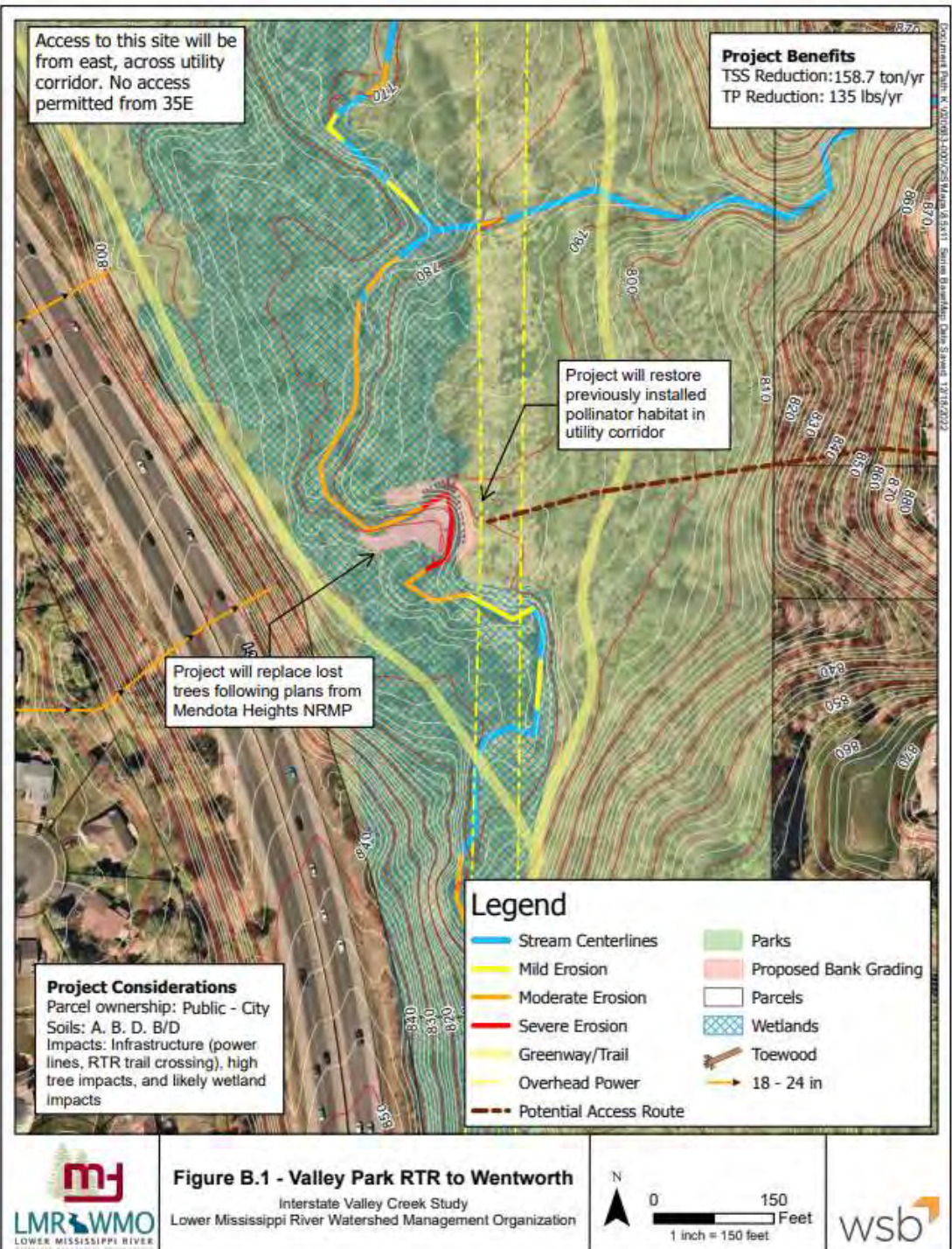


Interstate Valley Creek – Stream Reaches



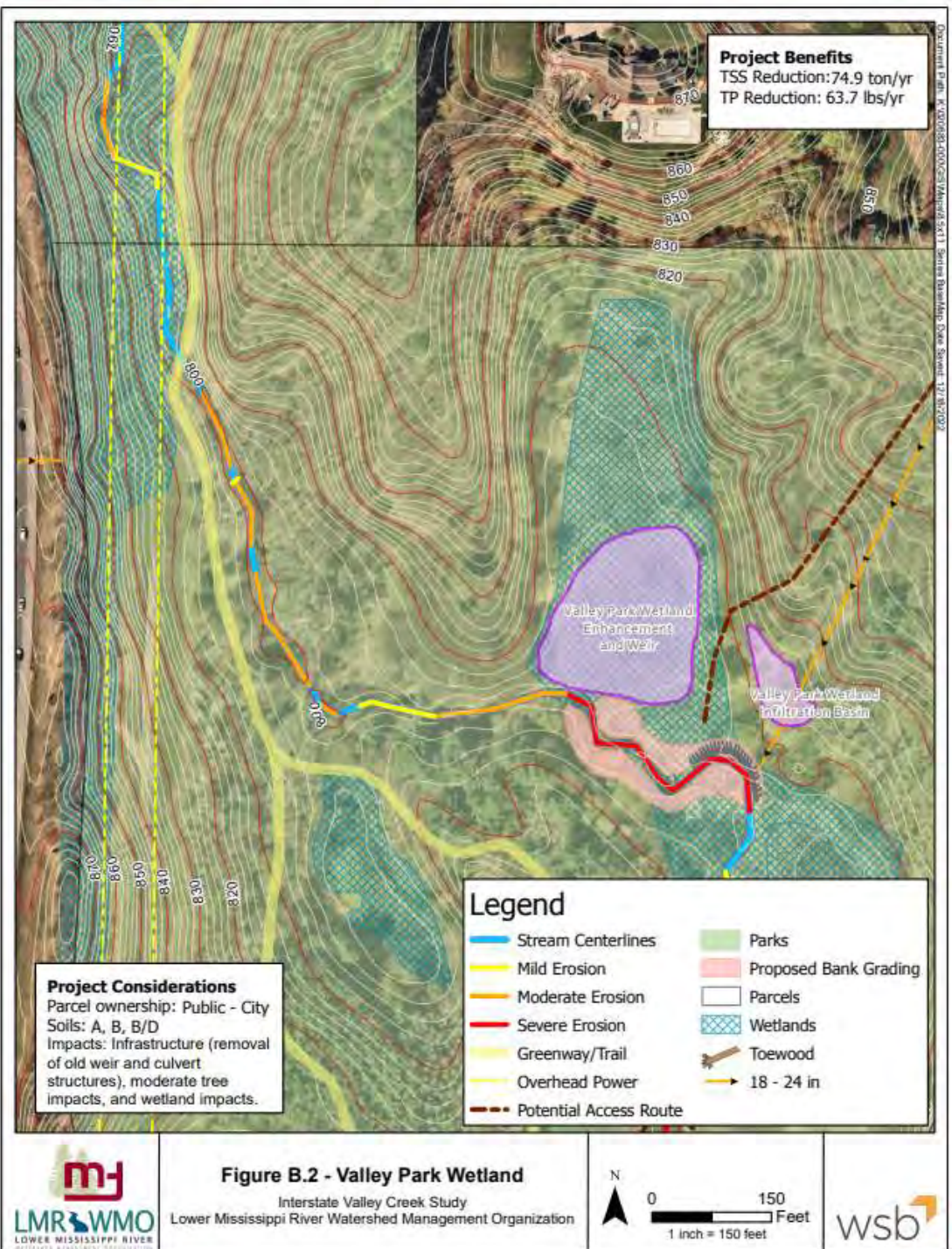
Valley Park R2R to Wentworth

- Highest Ranked Stabilization Project
- Cost~ \$85,000
- Sediment: 158 tons/yr
- Phosphorus: 135 lbs/yr
- Cost/Benefit: \$46/lb of Phosphorus



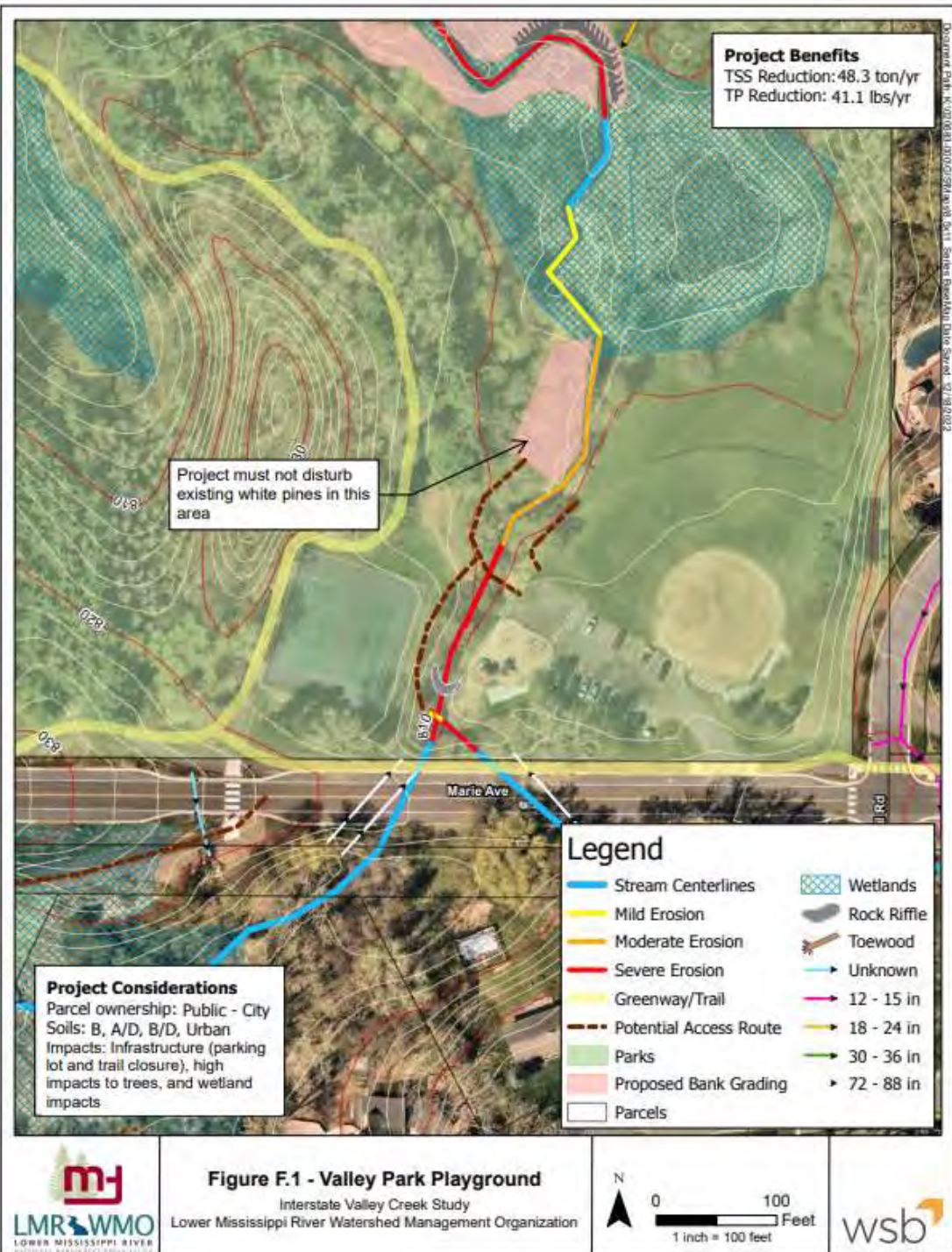
Valley Park Wetland

- 2nd Highest Ranked Stabilization Project
- Cost~ \$100,000
- Sediment: 74 tons/yr
- Phosphorus: 85 lbs/yr
- Cost/Benefit: \$46/lb of Phosphorus



Valley Park Playground

- 3rd Highest Ranked Stabilization Project
- Cost~ \$50,000
- Sediment: 48 tons/yr
- Phosphorus: 41 lbs/yr
- Cost/Benefit: \$46/lb of Phosphorus



Valley Park Wetland Infiltration Basin

- Good project with close Trail/Stabilization Proximity
- 2nd Highest Ranked Volume Control Project
- Cost~ \$185,000

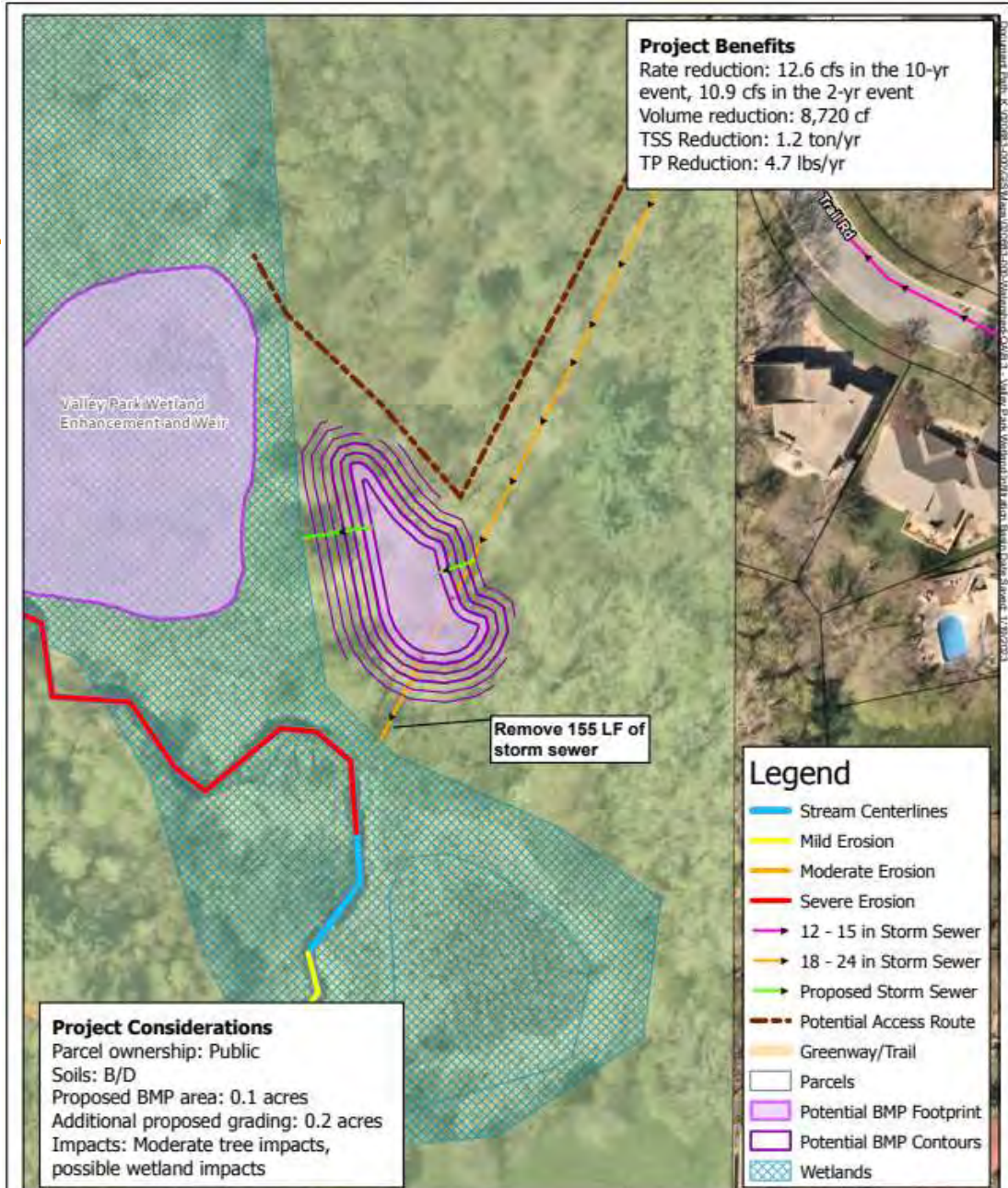
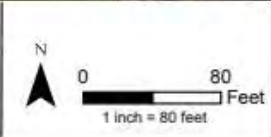
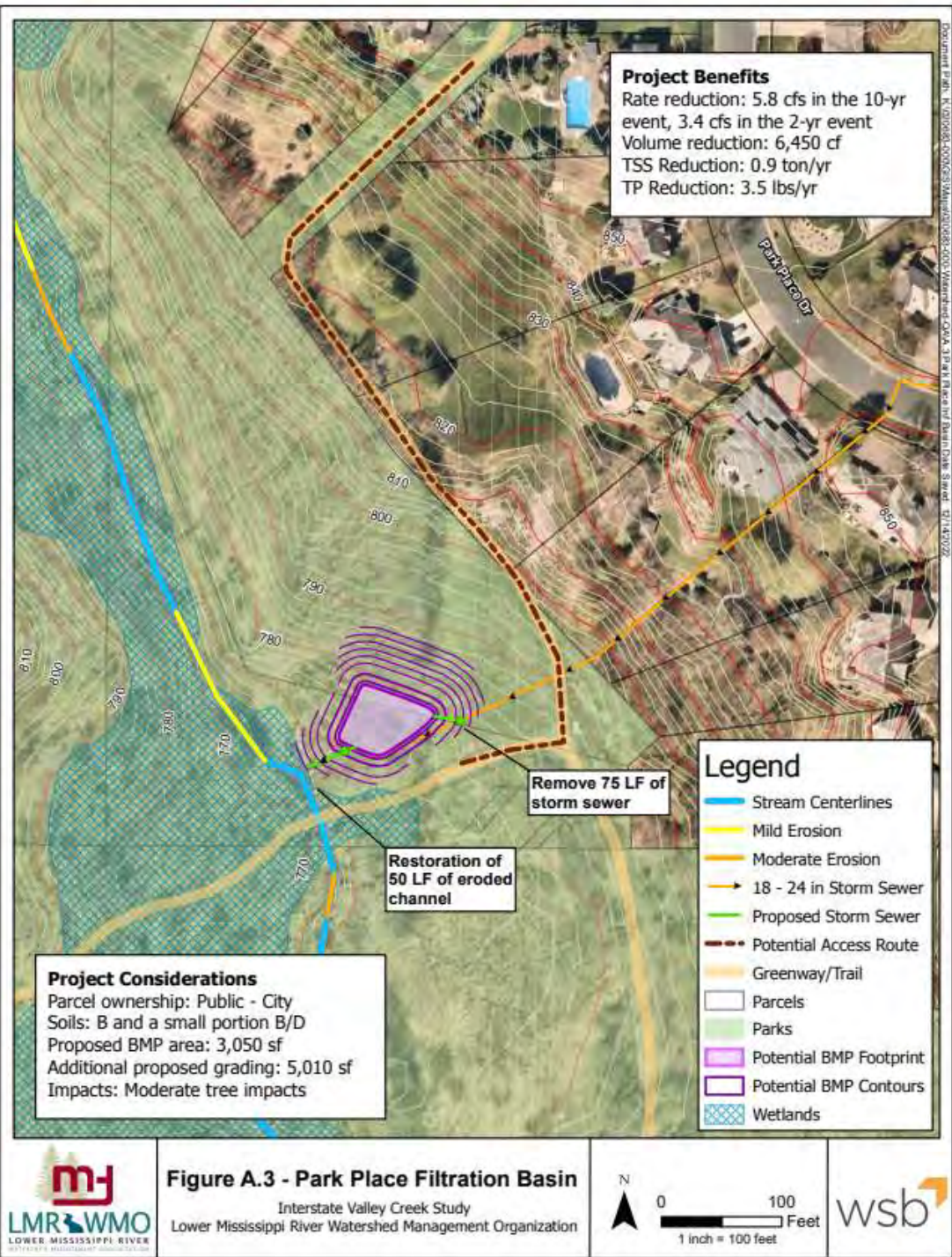


Figure B.3 - Valley Park Wetland Infiltration Basin
 Interstate Valley Creek Study
 Lower Mississippi River Watershed Management Organization



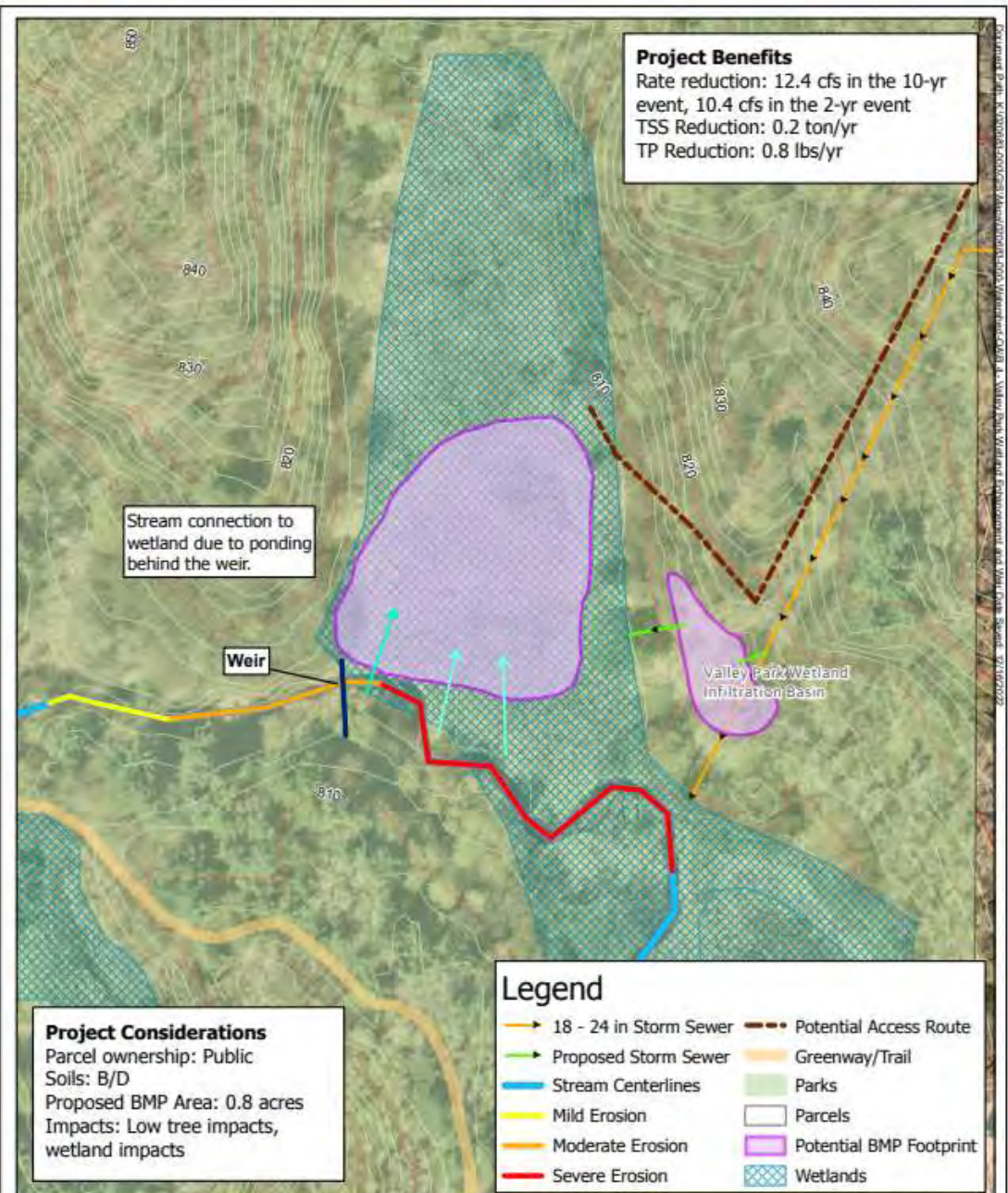
Park Place Filtration Basin

- Project of Opportunity with Trail project
- 4th Highest Ranked Volume Control Project
- Cost~ \$185,000



Valley Park Wetland Enhancement & Weir

- Project of Opportunity with Trail & stabilization projects
- Could be done separately from North
- Lower Cost/Benefit
- 5th Highest Ranked Volume Control Project
- Cost~ \$231,000 (~\$80,000 for weir without wetland enhancement)



DAKOTA COUNTY SOIL AND WATER CONSERVATION DISTRICT

Regular Agenda

Request for Board Action

Voice Vote

Meeting Date: 8/10/2023

Prepared by: Curt Coudron

PURPOSE/ACTION REQUESTED:

Select 2023 Outstanding Conservationist

SUMMARY:

Each year a selection is made to identify a landowner or entity that has made a significant contribution to protecting our land and water resources. Staff has identified a number of candidates for this award and we will provide information on their accomplishments at the meeting.

The selected Outstanding Conservationist will be invited to a future SWCD Board meeting to present the award and invited to participate in the Minnesota Association of Soil and Water Conservation Districts annual event in December.

EXPLANATION OF FISCAL/FTE IMPACT:

None

Supporting Documents:

None

Previous Board Action:

None