

RED LAKE WATERSHED DISTRICT

October 26, 2023

9:00 a.m.

Agenda

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	October 12, 2023 Minutes	Action
	Financial Report dated October 25, 2023	Action
	Designate Authorized Signatures at Financial Institutions	Action
	Pennington County Road 62	Information
	RLWD Project No. 149A, Thief River Streambank 1W1P	
	Pay Estimate No. 1 Barth Site – Anderson Excavating	Action
	Pay Estimate No. 2 Stock Site – Anderson Excavating	Action
	Permit No. 23-190: Earl Pederson – Badger Township	Info/Action
	Permits: No. 23148, 23154, 23172, 23175, 23176, 23188, 23189, 23193, 23196, 23198, 23201, 23202, 23203, and 23205	Action
	Minnesota Watersheds Annual Conference & Trade Show November 28 – December 1, 2023	Information
	Administrators Update	Information
	Legal Counsel Update	Information
	Managers' Updates	Information
	Adjourn	Action

UPCOMING MEETINGS:

November 2, 2023	Turtle Cross Connection Project Team Meeting, 9:30 am, Erskine
November 9, 2023	RLWD Board Meeting, 9 am
November 20, 2023	RLWD Board Meeting, 9 am (<i>Note change of date</i>)
November 20, 2023	Mud River Project Work Team Meeting, 1:30 pm
November 21, 2023	RRWMB Meeting, Ada, 10 am
Nov 28 - Dec 1, 2023	2023 Minnesota Watersheds Annual Conference & Tradeshow, Alexandria

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
October 12, 2023

President, Dale M. Nelson, called the meeting to order at 9:00 a.m. at the Red Lake Watershed District Office, Thief River Falls, MN.

Managers present: Dale M. Nelson, LeRoy Ose, Gene Tiedemann, Terry Sorenson, Allan Page, Brian Dwight and Tom Anderson. Staff Present: Myron Jesme, Tony Olson, Nate Koland and Erick Huseth and Legal Counsel, Delray Sparby.

The Board reviewed the agenda. A motion was made by Ose, seconded by Page, and passed by unanimous vote that the Board approve the agenda with the additional agenda item of Miller Dam. Motion carried.

The Board reviewed the September 28, 2023, minutes. Motion by Anderson, seconded by Sorenson, to approve the September 28, 2023, Board meeting minutes with the correction in spelling. Motion carried.

The Board reviewed the Financial Report dated October 11, 2023. Discussion was had to omit check number 40935 in the amount of \$8,995.00 due to this item being added on the agenda. Motion by Tiedemann, seconded by Page, to approve the Financial Report dated October 11, 2023, omitting check number 40935 which will be covered later in the meeting. Motion carried.

The Board reviewed payment to DBS Backhoe & Excavation, LLC for Miller Dam Project 50C, in the amount of \$8,995.00. It was shared that this project was completed late 2022 but due to erosion from spring runoff, this repair was required. Motion by Page, seconded by Tiedemann to approve payment in the amount of \$8,995.00 to DBS Backhoe & Excavation, LLC. Motion carried.

The Board reviewed the computer equipment update for Water Quality Coordinator and Engineering Specialist for the purchase of two laptops from Corporate Technologies in the amount of \$5,829.5. Motion by Anderson, seconded by Tiedemann, to approve the purchase of two computers from Corporate Technologies. Motion carried.

The Board reviewed the 2024 Watershed Based Implementation Funding (WBIF) Grant Agreement for the Red Lake River 1W1P, RLWD Project No. 149 in the amount of \$1,700,439.00. It was shared that this is about a \$300,000 increase in funding for this watershed, which is welcomed due to the large list of projects already being developed. Motion by Ose, seconded by Dwight, to approve the 2024 WBIF for the Red Lake River 1W1P, RLWD Project No. 149. Motion carried.

The Board reviewed information provided by the Board of Water and Soil Resources (BWSR) concerning an additional \$7,750,000 available from the FY22-23 WBIF Supplemental Funds

Request, available through the competitive grant option. It was determined that due to a large project load on the Red Lake River 1W1P, this may be an avenue to get additional funding for this watershed.

The Board reviewed Pay Estimate No. 1 to Quality Spray Foam LLC DBA Anderson Excavating for the Thief River Streambank Project, Thief River 1W1P, RLWD Project No. 149A-Stock Site in the amount of \$46,370.45. Staff member, Nate Koland, gave an update on the project and the location of this project. Motion by Ose, seconded by Tiedemann to approve Pay Estimate No. 1 in the amount of \$46,370.45. Motion carried.

The Board reviewed the Service Agreement by Houston Engineering, Inc., in the amount of \$24,060.00 to review and design three additional sites for streambank stabilization in Section 34, Excel Township, Marshall County, as part of the Thief River 1W1P, RLWD Project No. 149A. Engineer Nordby better defined the sites that were identified in a past geomorphology study completed by District and MnDNR staff. It was noted that these sites are downstream of State Ditch (SD) No.83, RLWD Project No. 14 and will include MnDNR permitting which is not required when working within SD #83. Motion by Ose, seconded by Sorenson, to approve Houston Engineering, Inc. Service Agreement in the amount of \$24,060.00. Motion carried.

The Board reviewed a change order request from Natural Resource Conservation Service Engineer, Scott A Smith, for Thibert Dam, RLWD Project No. 50G, to add hydro mulch for the embankment of the project due to material delays being delivered to the site by True North Steel. Considerable discussion was had about how these delays have caused issues with the contractor's timeline, but also the additional cost to the project. Motion by Page, seconded by Anderson, to have a change order submitted to Olson Construction to add hydro mulch to the contract. Motion carried.

The Board reviewed Red Lake SWCD cost share request for the David Bourque Grade Stabilization Project. Total estimated project cost is \$15,469.00. Project cost breakdown is 75% being funded by BWSR Clean Water funding with local match of \$3,867.25. The Red Lake SWCD request to the District is \$2,800 with landowner cost share totaling \$1,067.25. Motion by Tiedemann, seconded by Page to cost share \$2,800.00, with funds from the Clearwater River 1W1P, RLWD Project No. 149B. Motion carried.

Staff member Tony Olson addressed RLWD Permit Nos. 23169 & 23170 for Howard & Janet Harzke Irrevocable Trust, 23187 & 23188 for Darrin Glass, and 23189 & 23190 for Earl Pederson. Motion by Ose, seconded by Page to table said permits until the next board meeting on October 26, 2023. Motion carried.

Staff member Tony Olson addressed what appears to be a permit violation in Section 10, Lessor Township, Polk County. It was noted that there has been no complaint filed with the District at this point but there is also no permit on file for this work. After considerable discussion, there was a motion by Sorenson, seconded by Anderson, to contact Lessor Township to hear their concerns with the unpermitted work. Motion carried.

The Board reviewed the permits for approval. Motion by Tiedemann, seconded by Page, to approve the following permits with conditions stated on the permit: No. 23177, Enbridge Energy, Emardville Township, Red Lake County; No. 23178, Jeremiah Johnson, Emardville Township, Red Lake County; No. 23180, Marjorie Bakke, Cedar Township, Marshall County; No. 23181, John Erickson, Polk Centre Township, Pennington County; No. 23182, Jacob Malwitz, Emardville Township, Red Lake County; No. 23183, Gary Rahier, Equality Township, Red Lake County; No. 23184, Pennington County, Rocksbury Township, Pennington County; No. 23185, Charlie Johnson, Equality Township, Pennington County; No. 23186, Steve & Darlene Bergman, Greenwood Township, Clearwater County; No. 23191, Shayne Munter, Hill River Township, Polk County; No. 23192, Pennington County, Hickory Township, Pennington County; and No. 23194, Randy Myhre, Terrebonne Township, Red Lake County. Motion carried.

Administrator's Report:

Pine Lake: Staff member Tony Olson has submitted the aeration permit with the MnDNR for Pine Lake.

Wild Rice Allocation: Due to low flows in the Clearwater River, District staff have been working with the area wild rice growers to determine the appropriate share of water, while keeping the river level above 36 cubic feet per second (cfs). Allocation begins once the river level is below 72 cfs at Plummer. Staff member Nate Koland is being trained in the process.

River Watch Kickoff: The District office hosted the River Watch Kickoff on September 29th. There were upwards of 60 kids in attendance at the event. Although we did receive heavy rain, all students were able to canoe with the crew from Wilderness Inquiry in their 10-person canoes!

Pennington County Road 62: District staff met with Nate Dalager and Mike Flaagan regarding the culverts, drainage and maintenance issues along Pennington County Road 62. Dalager will present a cost estimate to the District in the near future.

Project Work Teams: Administrator Audette will participate in Steering Committee meetings on October 13th for both the Mud River Project and the Turtle Cross Connection Project.

Staff Update: Elaine Rychlock will begin employment with the District on Monday, October 16th.

Polk County Ditch 99 Bank Stabilization: Construction is proceeding on the outlet of Polk County Ditch 99 Bank Stabilization. A key trench after the first rock drop will be added to the project cost at an approximate cost of \$1,700, which could be possibly covered through the Red Lake River 1W1P. This project is being funded by the District, RRWMB, Polk County, and other various sources.

Red Lake Watershed District

October 12, 2023

Page 4 of 4

Legal Counsel Sparby updated the Board concerning the completion of Pine Lake FDR Projects permanent and temporary easements. Sparby also touched on the fact he has discussed with Administrator Audette concerning the need for Houle Excavating LLC concerning proper signature authorizations on the bid documents.

Sparby also touched on the Improvement to County Ditch 39, RLWD Project No. 179 Brief which is due October 16th.

Motion by Ose, seconded by Anderson, to adjourn the meeting. Motion carried.

LeRoy Ose, Secretary

PARTIAL PAYMENT ESTIMATE

Client Project No.

HEI Project No.

3655-0099-003

PAYMENT NUMBER: 1

Project: Thief River Streambank Stabilization Project (Barth Site)
 Location: Section 3, Excel Township, Marshall County, Minnesota

PERIOD OF ESTIMATE:
 FROM **10/9/2023** TO **10/24/2023**

CONTRACT CHANGE ORDER SUMMARY				ESTIMATE	
Change Order		AMOUNT			
NO.	DATE	ADDITIONS	DEDUCTIONS		
				1. Original Contract	\$ 66,688.00
				2. Change Orders	\$ -
				3. Revised Contract (1+2)	\$ 66,688.00
				4. Work Completed*	\$ 63,188.00
				5. Stored Materials*	\$ -
				6. Adjustments*	\$ -
				7. Subtotal (4+5+6)	\$ 63,188.00
				8. Retainage 5.00%	\$ 3,159.40
				9. Previous Payments	\$ -
				10. Amount Due (7-8-9)	\$ 60,028.60
TOTALS		\$ -	\$ -	*Detailed Breakdown Attached if Non-Zero Value	
NET CHANGE		\$ -			

CONTRACT TIME		
Completion Date Contract		
Original (days)	N/A	On Schedule? Yes
Revised	N/A	
Remaining	N/A	
		Starting Date: <u>9/25/2023</u>
		Final Completion: <u>12/1/2023</u>


CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies, to the best of his/her knowledge, the following:
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Quality Spray Foam LLC DBA Anderson Excavating
 By: _____
 Date: _____

ENGINEER'S RECOMMENDATION:

I have reviewed the progress of the work, and to the best of my knowledge, information and belief, in accordance with the terms of the Contract, the Contractor is entitled to a partial payment in the amount requested.


 Engineer: _____
 By: Tony A. Nordby
 Date: 10/24/2023

OWNER'S APPROVAL:

Owner: Red Lake Watershed District
 By: _____
 Date: _____

REMIT PAYMENT TO:
 Quality Spray Foam LLC DBA Anderson Excavating
 11374 215th St. NW
 Thief River Falls, MN 56701

Client Project No.
 HEI Project No. 3655-0099-003
 Project: *Thief River Streambank Stabilization Project (Barth Site)*
 Location: *Section 3, Excel Township, Marshall County, Minnesota*
 Contractor: *Quality Spray Foam LLC DBA Anderson Excavating*

PAY ESTIMATE

PAY ESTIMATE #:	1
SUBMITTED:	10/26/2023
BEGIN DATE:	10/9/2023
END DATE:	10/24/2023

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
Original Contract Items											
2021.501	MOBILIZATION	Lump Sum	1.	\$ 5,000.00	\$ 5,000.00	1.	\$ 5,000.00		\$ -	1.	\$ 5,000.00
2101.501	CLEARING AND GRUBBING	Lump Sum	1.	\$ 10,000.00	\$ 10,000.00	1.	\$ 10,000.00		\$ -	1.	\$ 10,000.00
2106.507	EXCAVATION - COMMON (P)	CY	1,151.	\$ 9.00	\$ 10,359.00	1,151.	\$ 10,359.00		\$ -	1,151.	\$ 10,359.00
2106.507	COMMON EMBANKMENT (P) (CV)	CY	88.	\$ 8.00	\$ 704.00	88.	\$ 704.00		\$ -	88.	\$ 704.00
2573.503	FLOATATION SILT CURTAIN TYPE MOVING WATER	LF	50.	\$ 20.00	\$ 1,000.00	25.	\$ 500.00		\$ -	25.	\$ 500.00
2575.501	TURF ESTABLISHMENT	Lump Sum	1.	\$ 3,000.00	\$ 3,000.00		\$ -		\$ -		\$ -
2577.601	TOE-WOOD DEBRIS	CY	407.	\$ 75.00	\$ 30,525.00	407.	\$ 30,525.00		\$ -	407.	\$ 30,525.00
2577.601	SOD MAT	SY	244.	\$ 25.00	\$ 6,100.00	244.	\$ 6,100.00		\$ -	244.	\$ 6,100.00
Totals											
Original Contract Amount					\$ 66,688.00						
Extra / Change Order Amount					\$ -						
Work Completed						\$ 63,188.00		\$ -		\$ 63,188.00	

PARTIAL PAYMENT ESTIMATE

Client Project No.

HEI Project No.

3655-0099-003

PAYMENT NUMBER: 2

Project: Thief River Streambank Stabilization Project (Stock Sites)
 Location: Section 3, Excel Township, Marshall County, Minnesota

PERIOD OF ESTIMATE:
 FROM **10/9/2023** TO **10/24/2023**

CONTRACT CHANGE ORDER SUMMARY				ESTIMATE	
Change Order		AMOUNT			
NO.	DATE	ADDITIONS	DEDUCTIONS		
				1. Original Contract	\$ 110,289.00
				2. Change Orders	\$ -
				3. Revised Contract (1+2)	\$ 110,289.00
				4. Work Completed*	\$ 104,289.00
				5. Stored Materials*	\$ -
				6. Adjustments*	\$ -
				7. Subtotal (4+5+6)	\$ 104,289.00
				8. Retainage 5.00%	\$ 5,214.45
				9. Previous Payments	\$ 46,370.45
				10. Amount Due (7-8-9)	\$ 52,704.10
TOTALS		\$ -	\$ -	*Detailed Breakdown Attached if Non-Zero Value	
NET CHANGE		\$ -			

CONTRACT TIME		
Completion Date Contract		
Original (days)	N/A	On Schedule? Yes
Revised	N/A	
Remaining	N/A	
		Starting Date: <u>9/25/2023</u>
		Final Completion: <u>12/1/2023</u>


CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies, to the best of his/her knowledge, the following:
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Quality Spray Foam LLC DBA Anderson Excavating
 By: _____
 Date: _____

ENGINEER'S RECOMMENDATION:

I have reviewed the progress of the work, and to the best of my knowledge, information and belief, in accordance with the terms of the Contract, the Contractor is entitled to a partial payment in the amount requested.


 Engineer: _____
 By: Tony Nordby
 Date: 10/24/2023

OWNER'S APPROVAL:

Owner: Red Lake Watershed District
 By: _____
 Date: _____

REMIT PAYMENT TO:
 Quality Spray Foam LLC DBA Anderson Excavating
 11374 215th St. NW
 Thief River Falls, MN 56701

Client Project No.
 HEI Project No. 3655-0099-003
 Project: *Quality Spray Foam LLC DBA Anderson Excavating*
 Location: *Section 3, Excel Township, Marshall County, Minnesota*
 Contractor: *Quality Spray Foam LLC DBA Anderson Excavating*

PAY ESTIMATE

PAY ESTIMATE #:	2
SUBMITTED:	10/26/2023
BEGIN DATE:	10/9/2023
END DATE:	10/24/2023

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
Original Contract Items											
2021.501	MOBILIZATION	Lump Sum	1.	\$ 5,000.00	\$ 5,000.00		\$ -	1.	\$ 5,000.00	1.	\$ 5,000.00
2101.501	CLEARING AND GRUBBING	Lump Sum	1.	\$ 15,000.00	\$ 15,000.00	0.5	\$ 7,500.00	0.5	\$ 7,500.00	1.	\$ 15,000.00
2106.507	EXCAVATION - COMMON (P)	CY	2,820.	\$ 9.00	\$ 25,380.00	2,023.	\$ 18,207.00	797.	\$ 7,173.00	2,820.	\$ 25,380.00
2106.507	COMMON EMBANKMENT (P) (CV)	CY	323.	\$ 8.00	\$ 2,584.00	112.	\$ 896.00	211.	\$ 1,688.00	323.	\$ 2,584.00
2573.503	FLOATATION SILT CURTAIN TYPE MOVING WATER	LF	100.	\$ 20.00	\$ 2,000.00		\$ -	50.	\$ 1,000.00	50.	\$ 1,000.00
2575.501	TURF ESTABLISHMENT	Lump Sum	1.	\$ 5,000.00	\$ 5,000.00		\$ -		\$ -		\$ -
2577.601	TOE-WOOD DEBRIS	CY	851.	\$ 50.00	\$ 42,550.00	444.	\$ 22,200.00	407.	\$ 20,350.00	851.	\$ 42,550.00
2577.601	SOD MAT	SY	511.	\$ 25.00	\$ 12,775.00	267.	\$ 6,675.00	244.	\$ 6,100.00	511.	\$ 12,775.00
Totals											
Original Contract Amount					\$ 110,289.00						
Extra / Change Order Amount					\$ -						
Work Completed						\$ 55,478.00		\$ 48,811.00		\$ 104,289.00	

Barth Site



Stock South Site



Stock North Site



Barth Site



South Stock Site



North Stock Site





Permit # 23-190

Status Report: **Tabled**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Highway 42 Bejou, MN 56516		tel:218-290-4106 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Badger** Range: **42** Section: **7 1/4**:

(4) Describe in detail the work to be performed. **Pattern tile - lift station**

(5) Why is this work necessary? Explain water related issue/problem being solved.

Status

Status	Notes	Date
Tabled	P.A. #23-190 – Earl Pederson Polk County – Badger Township – Section 7 The Red Lake Watershed District (RLWD) will Table this permit due to lands needing to be petitioned into Polk County Ditch 111. T.O.	Oct. 24, 2023
Received	None	Sept. 27, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.

RED LAKE WATERSHED DISTRICT
Subsurface Tile Drainage Application

Landowner Name: Earl Pederson Phone: 218-790-4106
Address (Street, City, State, Zip): 3077 Cnty Hwy 42 Bejou MN 56516
Name of designer: Field Drainage, Inc. Phone: 218-698-4628
Name of installer: Field Drainage, Inc. Phone: 218-698-4628

Legal description and site map and/or GPS coordinates to accurate scale showing location of all tiles, surface water inlets, outlet(s), lift stations, pumps, and flow control devices; (attach maps): _____

Section # 7 Township (Name & #) Badger 149 Range # 42 County Polk

Land area to be tiled (acres): 158

Type of tiling (circle) Pattern Tile Random Tile

Type of outlet (circle) Lift Station/Pump Gravity Other _____

Date proposed plan submitted: Month 9 Day 12 Year 23

Pump/lift station outlet flow capacity (GPM) _____

- All subsurface tile drainage systems must protect from erosion and include RLWD approved erosion control measures.
- All subsurface tile outlets including lift station pumps, must be located out of a legal drainage system and governmental roadway right of way unless approved by District and must be visibly marked.
- It is recommended that after harvest, tile outlet controls, including lift station pumps, be opened or turned on to remove water from the system unless downstream culverts are freezing.
- Obtaining a permit from the RLWD Managers does not relieve the applicant from the responsibility of obtaining any other additional authorization or permits required by law. (Ex: NRCS, SWCD, Township, County, State, etc.)
- Upon completion of the project, "As Built" plans must be provided to the District.
- Consideration must be made for turning off pumps for short period of times during the summer so maintenance can be performed on public, legal and private drainage ways, such as road ditches or private natural field drains.

EXHIBITS. The following exhibits may be requested to accompany the permit application. Two copies, (standard paper size of 8.5 inches by 11 inches), which include:

Signature of Owner [Signature] Date: 9.12.23

RLWD staff use:

Permit # 23-190 Date received: _____

Drain tile outlets to: _____

Legal System (Benefited Area): _____

Culvert size upstream and downstream of tile outlet: _____

RECEIVED

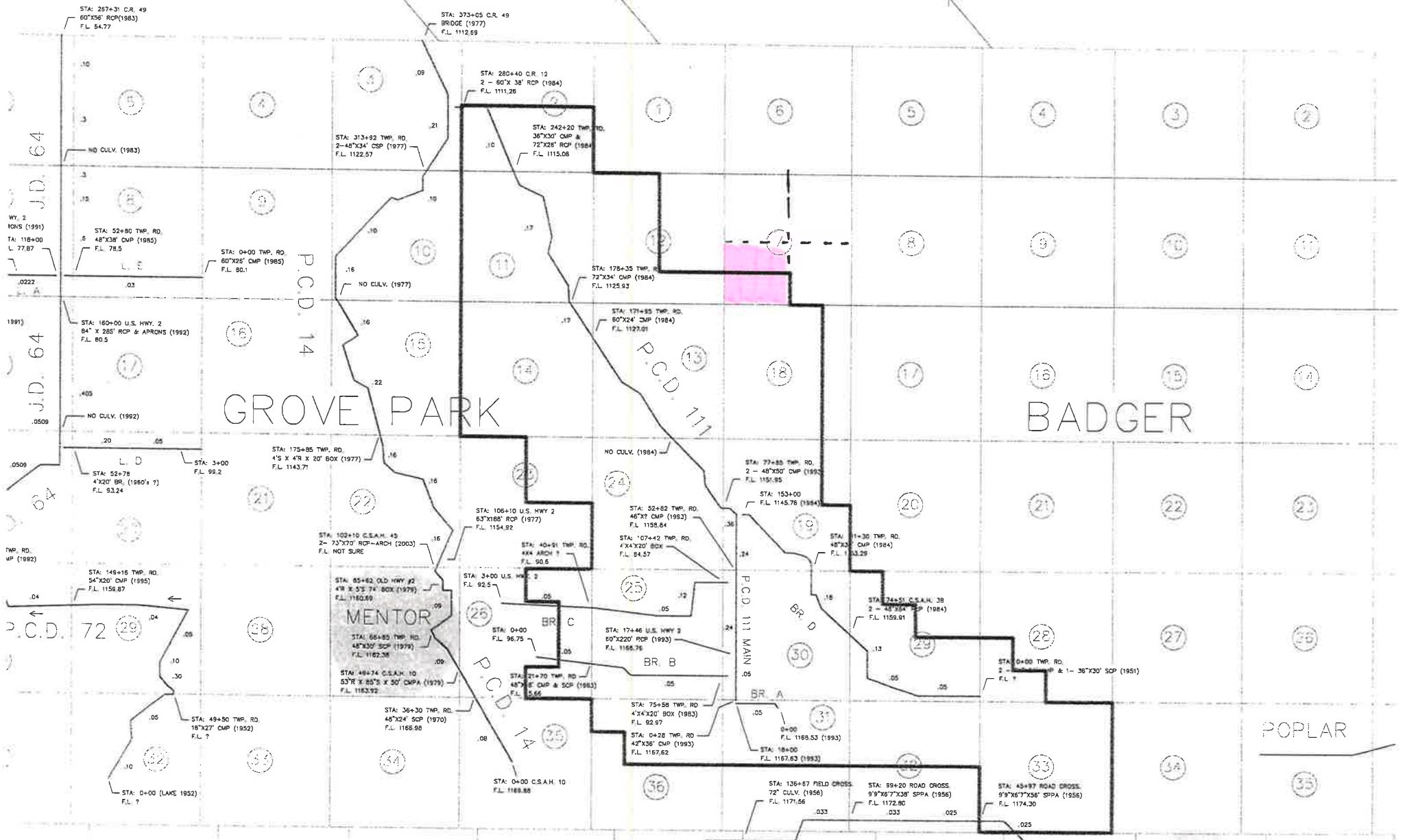
SEP 27 2023

Initial: [Signature]

R.L.C. DITCH #3

R.L.C. DITCH #2

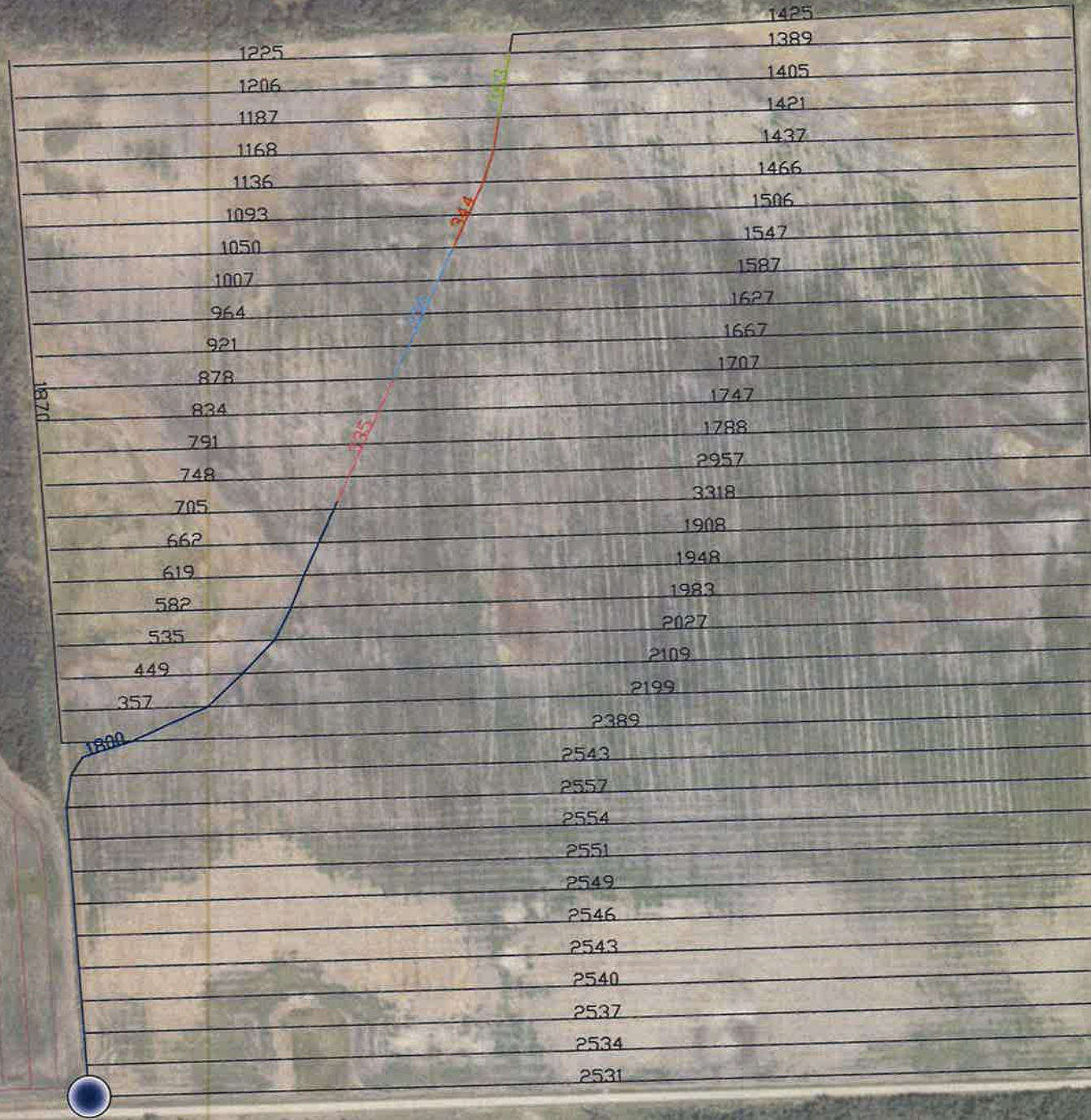
R.L.C. DITCH #4





**Pederson Bros
Badger 7SW**

4"	10"
5"	12"
6"	12" DW
8"	15" DW





Permit # 23-148

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Marvin Zutz		1008 6th Street NE Red Lake Falls, MN 56701		tel:218-253-2637 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **30 1/4**:

(4) Describe in detail the work to be performed. **Install culvert over pipeline**

(5) Why is this work necessary? Explain water related issue/problem being solved. **pipeline request. survey request by Enbridge.**

Status

Status	Notes	Date
Approved	P.A. #23-148 – Marvin Zutz Red Lake County – Emardville Township – Section 30 This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. The Red Lake Watershed District (RLWD) approves to have a 30” culvert installed in Emardville Township Section 30. Applicant would like to install culvert over Enbridge Pipeline and will need their approval to do so. RLWD staff has conducted a survey. See attached profile plans. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Directly downstream of the culvert outlet, applicant shall ensure that adequate grade and drainage is provided. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 17, 2023
Received		Aug. 15, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # **23-154**

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Michael Yaggie		2642 State Hwy 210 Breckenridge, MN 56520		tel:701-640-2463 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Poplar River** Range: **42** Section: **23** 1/4:

(4) Describe in detail the work to be performed. **Pattern Tile - Gravity Outlet**

(5) Why is this work necessary? Explain water related issue/problem being solved.

Status

Status	Notes	Date
Approved	P.A. #23-154 – Michael Yaggie Red Lake County – Poplar River Township – Section 23 The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'gravity' outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet. Applicant shall ensure that the tile outlet meets the MN DNR requirements, if any. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 23, 2023
Received		Aug. 24, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-172

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Kevin Yaggie		139 Fern Road Thief River Falls, MN 56701		tel:218-686-8841 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Poplar River** Range: **42** Section: **27 1/4**:

(4) Describe in detail the work to be performed. **pattern tile - gravity outlet**

(5) Why is this work necessary? Explain water related issue/problem being solved.

Status

Status	Notes	Date
Approved	P.A. #23-172 – Kevin Yaggie Red Lake County – Poplar River Township – Section 27/28 This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. The Red Lake Watershed District (RLWD) approves the Pattern Tile project with multiple gravity outlets. See Attachments. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet. Applicant shall ensure that the tile outlet meets the MN DNR requirements, if any. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. Applicant shall install pump outlet outside of the Ditch Right of Way. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 19, 2023
Received	None	Sept. 13, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-175

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Brian Boll		25843 185th Ave SW Crookston, MN 56716		tel:218-289-2058 mobile: fax:

General Information

(1) The proposed project is a:

Other

(2) Legal Description

(3) County: **Polk Township: Gentilly Range: 45 Section: 24 1/4:**

(4) Describe in detail the work to be performed. **verify water flow and culvert size and clean existing ditches.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **culverts are plugged, ditches are plugged, upstream neighbors have cleaned & widened ditches bringing more water.**

Status

Status	Notes	Date
Approved	P.A. #23-175 – Bryan Boll Polk County – Gentilly Township – Section 24 This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. The Red Lake Watershed District (RLWD) approves cleaning silt out of the ditch that has blown in from the wind. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Current flow patterns shall remain “as-is” and there shall be no additional drainage area or flows from the adjacent agriculture land routed to the ditch that was cleaned. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 19, 2023
Received	None	Sept. 25, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-176

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Lynn Burman	Swede's Paradise Farms Inc	18112 340th Ave SE Trail, MN 56684		tel: 612-250-5943 mobile: fax:

General Information

- (1) The proposed project is a:
Culvert Installation / Removal / Modification
- (2) Legal Description
- (3) County: **Red Lake** Township: **Equality** Range: **40** Section: **14 1/4**:
- (4) Describe in detail the work to be performed. **install culvert - access to land**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **access to land**

Status

Status	Notes	Date
Approved	P.A. #23-176 – Swede’s Paradise Farms Inc./Lynn Burman Red Lake County – Equality Township – Section 14/23 This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. The Red Lake Watershed District (RLWD) approves installing 36” culverts at multiple locations. *Note* that the 36” culvert installed on the north side of the property in Section 14, on the south side of 180th Ave. will be installed in between a dry crossing and a 24” culvert. The downstream 24” culvert will not be affected by installing a 36” culvert upstream of it as the drainage area is quite small. The other two locations will not be affected with 36” pipe installations. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 16, 2023
Received	None	Sept. 19, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Darrin Glass		28190 160th Ave SE Mentor, MN 56736		tel: mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Grove Park** Range: **43** Section: **3 1/4**:

(4) Describe in detail the work to be performed. **pattern tile - gravity outlet**

(5) Why is this work necessary? Explain water related issue/problem being solved.

Status

Status	Notes	Date
Approved	P.A. #23-188 – Darrin Glass Polk County – Grove Park Township – Section 3 The Red Lake Watershed District (RLWD) approves the Pattern Tile project with a gravity outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. **Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet(s).** Applicant shall ensure that the tile outlet meets the MN DNR requirements, if any. **Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns and inquire about any "setback" maps they might require** Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 24, 2023
Received	None	Sept. 27, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-189

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Highway 42 Bejou, MN 56516		tel:218-790-4106 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Grove Park** Range: **43** Section: **26** 1/4:

(4) Describe in detail the work to be performed. **pattern tile - lift station**

(5) Why is this work necessary? Explain water related issue/problem being solved.

Status

Status	Notes	Date
Approved	P.A. #23-189 – Earl Pederson Polk County – Grove Park Township – Section 26 The Red Lake Watershed District (RLWD) approves the Pattern Tile project with a lift station outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. **Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet(s).** Applicant shall ensure that the tile outlet meets the MN DNR requirements, if any. **Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns and inquire about any "setback" maps they might require** Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 24, 2023
Received	None	Sept. 27, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-193

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Gene Schmitz	Red Lake Falls Township	20540 120th Ave SW Red Lake Falls, MN 56750		tel:218-684-1264 mobile: fax:

General Information

- (1) The proposed project is a:
Culvert Installation / Removal / Modification
- (2) Legal Description
- (3) County: **Red Lake** Township: **Red Lake Falls** Range: **44** Section: **2 1/4**:
- (4) Describe in detail the work to be performed. **replace existing culvert**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **culvert destroyed**

Status

Status	Notes	Date
Approved	P.A. #23-193 – Red Lake Falls Township/Gene Schmitz Red Lake County – Red Lake Falls Township – Section 2/3 This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. The Red Lake Watershed District (RLWD) approves replacing a failed 24" culvert with a new 24" culvert at same location. Install new culvert at existing flowline/invert elevation as existing pipe. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile outlet. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 16, 2023
Received	None	Oct. 2, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-196

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Arlan Fore		16228 350th Ave SE Oklee, MN 56742		tel:218-796-5452 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Equality** Range: **40** Section: **1 1/4**:

(4) Describe in detail the work to be performed. **Install a culvert**

(5) Why is this work necessary? Explain water related issue/problem being solved. **I need a culvert to get into my fields**

Status

Status	Notes	Date
Approved	P.A. #23-196 – Arlan Fore Red Lake County – Equality Township – Section 1 Red Lake Watershed District (RLWD) approval to install an 18” culvert for a new field crossing. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile/culvert outlets. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 24, 2023
Received	None	Oct. 12, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-198

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Bob Halvorson	Espelie Township	22558 370th Ave NE Goodridge, MN 56725		tel:218-378-4390 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall** Township: **Espelie** Range: **39** Section: **7 1/4**:

(4) Describe in detail the work to be performed. **replace rusted out culvert**

(5) Why is this work necessary? Explain water related issue/problem being solved. **culvert rusted out**

Status

Status	Notes	Date
Approved	P.A. #23-198 – Espelie Township/Bob Halvorson Marshall County – Espelie Township – Section 7/8 Red Lake Watershed District (RLWD) approval to replace a failed 36” culvert with a new 36” culvert. **If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. **Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile/culvert outlets. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 25, 2023
Received	None	Oct. 16, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-201

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Matt Bitter	MnDOT	3920 US Route 2 Bemidji, MN 56601		tel:218-328-4796 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Numedal** Range: **45** Section: **23** 1/4:

(4) Describe in detail the work to be performed. **replace the existing 24" x 30 ft CMP residential entrance culvert with a new 30" x 40ft (approx) CAS culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **The residential entrance culvert is in poor condition and at risk of collapsing. This is work is necessary in order to maintain access to the residence from the TH. The upsizing is necessary to meet MnDOT standards for culvert design - specifically avoiding the need for riprap and exceeding headwater requirements.**

Status

Status	Notes	Date
Approved	P.A. #23-201 – Matt Bitter/MNDOT Pennington County – Numedal Township – Section 23 Red Lake Watershed District (RLWD) approval to replace a failed existing 24" culvert with a new 30" culvert under a driveway entrance. The culvert is in Trunk Highway 1 ROW. The upsizing is necessary to meet MNDOT standards for culvert design-specifically avoiding the need for riprap and exceeding headwater requirements. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 23, 2023
Received	None	Oct. 18, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-202

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jean Frey		68577 Cty Rd 33 Squaw Lake, MN 56681		tel:218-760-0303 mobile: fax:

General Information

(1) The proposed project is a:

Other

(2) Legal Description

(3) County: **Pennington** Township: **Goodridge** Range: **40** Section: **34** 1/4:

(4) Describe in detail the work to be performed. **clean ditch by Hwy 1**

(5) Why is this work necessary? Explain water related issue/problem being solved. **silt blown in**

Status

Status	Notes	Date
Approved	P.A. #23-202 – Jean Frey Pennington County – Goodridge Township – Section 34 The Red Lake Watershed District (RLWD) approves to clean the South side ditch of State Highway 1 pending approval from MNDOT. RLWD staff has conducted a survey, see attachments. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Current flow patterns shall remain “as-is” and there shall be no additional drainage area or flows from the adjacent agriculture land routed to the ditch that was cleaned. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 23, 2023
Received	None	Oct. 18, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-203

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Kelly Mosbeck		16180 120th St SW Red Lake Falls, MN 56750		tel:218-688-2681 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Polk Centre** Range: **45** Section: **10 1/4**:

(4) Describe in detail the work to be performed. **install culvert on new crossing**

(5) Why is this work necessary? Explain water related issue/problem being solved. **I need a crossing on this quarter. The existing ones are not adequate.**

Status

Status	Notes	Date
Approved	P.A. #23-203 – Kelly Mosbeck Pennington County – Polk Centre Township – Section 10 Red Lake Watershed District (RLWD) approval to install a 36” culvert for a new field crossing. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Permit Holder shall contact the road authorities when cutting through roads when applicable. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile/culvert outlets. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 23, 2023
Received	None	Oct. 19, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 23-205

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Minnesota Department Of Transportation	Matt Bitter	3920 US Route 2 Bemidji, MN 56601		tel:218-328-4796 mobile: fax:

General Information

- (1) The proposed project is a:
Culvert Installation / Removal / Modification
- (2) Legal Description
- (3) County: **Red Lake** Township: **Lambert** Range: **41** Section: **9 1/4**:
- (4) Describe in detail the work to be performed. **Replace a Failed Culvert**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Culvert has Failed**

Status

Status	Notes	Date
Approved	P.A. #23-205 – Minnesota Department of Transportation Red Lake County – Lambert Township – Section 9 Red Lake Watershed District (RLWD) approval to replace a failed 24” culvert with a new longer 24” culvert. Applicant shall ensure that all disturbed areas are seeded with appropriate seed mixture and that consideration for rock riprap with filter fabric is placed at the tile/culvert outlets. This permit does not exempt the permit applicant from local, state, or federal authority that might require their approval. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) T.O.	Oct. 25, 2023
Received	None	Oct. 25, 2023

Conditions

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.

A Sneak Peek

2023

**CONFERENCE
SCHEDULE
PREVIEW**

**MINNESOTA
WATERSHEDS**

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NOVEMBER
28-DEC 1

ARROWWOOD
CONFERENCE
CENTER
Alexandria, MN

Tentative CONFERENCE SCHEDULE

TUESDAY, NOV 28

- 10 A-3 P Minnesota Association of Watersheds Administrators (MAWA) Meeting
- 12-1 P Lunch for MAWA
- 3-4 P Partner Updates
- 4-6 P Minnesota Watersheds Board of Directors Meeting

WEDNESDAY, NOV 29

- 8 A-4 P Choose Your Workshop — See Page 4-6
- 12-1 P Lunch
- 4-9 P Trade Show – Opening Night
- 5-8 P Night at the Movies

THURSDAY, NOV 30

- 7-9 A Regional Caucuses
- 8 A-4 P Choose your Concurrent Sessions — See Page 7-15
- 12-1:30 P Lunch, Awards and Mark Seeley Keynote
Break from 12-3 for lunch and Trade Show networking
- 8 A-3 P Trade Show
- 5-7 P Happy Hour, Banquet + Awards

FRIDAY, DEC 1

- 7-9 A Breakfast
- 9 A-Noon Business Meeting (resolutions)
- Noon-1 P Minnesota Watersheds Board of Directors Meeting

PLAN YOUR WEDNESDAY CHOOSE YOUR WORKSHOP

1

MN WATERSHEDS DRAINAGE WORKSHOP

9 A - 4 P

8 – 9 A Registration & Continental Breakfast

9 A Welcome & Agenda Overview

9:05 A Multi-Purpose Drainage Management

Jacob Rischmiller, ISG

This presentation focuses on improving and protecting downstream water quality from the impacts of agricultural drainage. Utilizing technology such as hydrologic/hydraulic modeling software, drone technology, and experience leads to successful implementation of multi-purpose drainage management practices throughout the rural landscape.

10:05 – 11:05 A #Triggered

Chris Otterness, Houston Engineering

Tom Gile, Board of Water and Soil Resources (BWSR)

Communication is critically important to public drainage system management. Due to the specificity of laws and statutes pertinent to public drainage, some words that have broad meanings in everyday use have very specific meanings and implications within the MS 103E lexicon. Improperly using these terms, such as “repair”, “project”, and “benefits” may at best confuse your audience, and at worst, turn an advocate into an adversary. The purpose of this presentation is to explore some of these “trigger” words and their proper and improper uses. Included in this session will be simulations of everyday conversations that have the potential to derail effective communication, and a debrief on how to avoid these scenarios.

15-MINUTE COFFEE AND SNACK BREAK

11:20 – 12 P DRAINAGE MANAGER’S HINDSIGHT AND FORESIGHT ON DRAINAGE APPEALS

Merissa Lore, Drainage Manager, Faribault County

This presentation will provide insight on drainage appeals and the reality of facing appeals. A local drainage manager will explain ways to avoid appeals, how to be prepared for appeals, and lessons learned from firsthand experience.

60-MINUTE LUNCH BREAK (PROVIDED)

1 – 2 P DRAINAGE WORK GROUP UPDATE

Tom Gile – BWSR

Tom Gile will explain what the Drainage Work Group (DWG) is and give an overview of topics discussed at this year’s DWG meetings. Topics likely to take center stage are legislative directives for notification requirements as well as outlet adequacy.

2 – 2:45 P ROSEAU RIVER WATERSHED DISTRICT AND COUNTY FINANCING

Tracy Halstensgard – Roseau River Watershed District

Watershed district boards serve as drainage authorities. What roles do the county and county staff play in drainage system management and financing?

15-MINUTE COFFEE AND SNACK BREAK

3 – 4 P UPDATE ON CASE LAW IMPACTING DRAINAGE AUTHORITIES

John Kolb – Rinke Noonan Law Firm

John Kolb will provide a case law update focusing on cases released in the last several years that impact public drainage authorities, their staff, and their consultants and guide public drainage projects, repairs, and proceedings.

4 – 4:05 P WRAP UP

WEDNESDAY, NOVEMBER 29, 9A - 4P*

2

STAFF DEVELOPMENT WORKSHOP

*9 A - 4:20 P

8 – 9 A

Registration and Continental Breakfast

9 – 9:05 A

Welcome and Agenda Overview

*Mark Doneux, District Administrator, Capitol Region Watershed District
Mark will review the agenda and provide an overview of the day.*

9:05 – 10:35 A

Strike the Right Chord with Your Board

*Jamie Beyer, District Administrator, Bois de Sioux Watershed District
Attendees will discuss methods for local board communication, approaches for board engagement, and how to keep board members abreast of the organization's progress toward its mission and goals.*

15-MINUTE COFFEE AND SNACK BREAK

10:35 – 12 P

Knowing How They Are Doing: Performance Appraisals (Part 1)

*Ann Goering & Timothy Sullivan – Ratwik, Roszak & Maloney, P.A.
Your employees are hired to do a job. Are you happy with how you are evaluating how they are doing their job? What is your process for correcting deficiencies? Performance appraisals are a critical aspect of human resource management, but it can also be one of the most uncomfortable conversations an administrator will have with employees. These two sessions will provide administrators with the tools to develop a formal employee appraisal program that meets the needs of the employee, administrator, and the organization.*

60-MINUTE LUNCH BREAK (PROVIDED) & NETWORKING

1 – 2:30 P

What Happens After the Performance Appraisals (Part 2)

*Ann Goering & Timothy Sullivan – Ratwik, Roszak & Maloney, P.A.
If the appraisal doesn't work, what happens next? In this session, attendees will also learn how to improve employee performance in a way that is meaningful, understandable, and legal.*

15-MINUTE COFFEE AND SNACK BREAK

2:45 – 4:15 PM

Hard Conversations

*Jenny Gieseke – Board of Water and Soil Resources
Whether it's a coworker whose perfume is too strong or a staff member who isn't meeting expectations, we often put off or avoid having conversations that make us uncomfortable. However, the earlier situations like these are addressed the better. In this session you will learn steps that can make your own difficult conversations less stressful. We will cover how assumptions can interfere with solutions, how to manage strong emotions, how to spot the ways we might be sabotaging our own best efforts at managing the conversation, and how to stay focused on your end goal. Difficult conversations are never easy, but this session will help you tackle them with less anxiety and fewer antacids.*

4:15 – 4:20 PM

Wrap Up

3

WATERSHED MANAGEMENT WORKSHOP 9 A - 4 P

8 – 9 A Registration & Continental Breakfast

9 A Welcome & Agenda Overview

9:05-10:30 A Your Role in Watershed Management

WATERSHED MANAGEMENT IN MINNESOTA—Minnesota has adopted a watershed-based management approach that promotes increased collaboration and a common vision for planning and implementation activities. This session will describe how watershed organizations and other state and local entities are involved in this approach.

UNDERSTANDING WATERSHED PURPOSES AND POWERS—Watershed districts have their own compact chapter of law—Minnesota Chapter 103D. Metro watershed districts and watershed management organizations also have Chapter 103B. This legal overview will provide insight into why watershed organizations were created and their legal authorities to pursue their missions.

15-MINUTE COFFEE AND SNACK BREAK

11:20 – 12 P Your Role in Watershed Planning

Watershed planning is process that results in a watershed plan that sets priorities, outlines strategies, and identifies targeted and measurable goals. This session will explain the process to develop or update your plan.

60-MINUTE LUNCH BREAK (PROVIDED)

1 – 1:45 P Your Role in Watershed Plan Implementation

What happens after your watershed plan is developed? To meet the established priorities and goals, education and on-the-ground efforts are necessary. This session will explore the options available to fund projects and programs to meet the targeted and measurable goals in your plan.

1:45 – 2:45 P Your Role as a Government Official

Watershed boards are subject to important laws that govern how and when they can meet, the access anyone may have to the data this is created or received, or the deadlines within which the board must act on a permit application. This session will provide an understanding of the Open Meeting Law, Data Practices Act, and other governance policies and obligations.

15-MINUTE COFFEE AND SNACK BREAK

3 – 4 P Tying it all Together

This session will provide real-world examples from Cedar River Watershed District, Red Lake Watershed District, and Mississippi Watershed Management Organization that have successfully implemented on-the-ground projects combining watershed statutory funding mechanisms, as well as watershed-based implementation funding, and other granting mechanisms.

4 – 4:05 P WRAP UP

INSTRUCTORS:

Julie Westerlund and Justin Hanson, Minnesota Board of Water and Soil Resources

Louis Smith, Smith Partners, PLLP

Michelle Overholser, Yellow Medicine River Watershed District

PLAN YOUR THURSDAY CHOOSE YOUR SESSIONS

THURSDAY, NOVEMBER 30, 2023

8 AM

MOVING LOW SALT DESIGN INTO EDEN PRAIRIE

Winter salt use has moved chloride to a pollutant of top concern in Minnesota. Connie Fortin, low salt strategist at Bolton & Menk, has spent decades working with winter maintenance professionals to improve efficiency. Now is the time to drive down salt use by improving the design of our “saltable” surfaces. In this presentation, a Low Salt Design pilot city, the City of Eden Prairie, will briefly layout their chloride concerns. Bolton & Menk will explain some of the Low Salt Design basics that are applicable to everyone in cold climate places. The City of Eden Prairie will present what they hope to accomplish by learning more about these strategies as a Low Salt Design pilot city. As source reduction is the fastest and most cost-effective solution to pollution, Low Salt Design brings us a new strategy to get on top of the chloride problem.

LOCATION
LAKE MILTONA

PRESENTED BY

Connie Fortin
Bolton & Menk, Inc.

Lori Haak
City of Eden Prairie

LESSONS LEARNED FROM 10 YEARS OF MINNESOTA WATER STEWARDS

Want to accomplish in-ground projects and community engagement at the same time? Minnesota Water Stewards, Freshwater’s volunteer leadership development program, engages residents who are passionate about caring for water, providing the necessary information, connections, and practices to equip and build confidence, and support growing a community of active water steward leaders. This approach develops and deepens community connections to grow community capacity and build resilience. Ten years in, with a Steward community more than 500 strong, Freshwater will share what has been working well, what has been tweaked, and observations on how the program is helping. We will also consider the gaps and explore future initiatives and opportunities.

LOCATION
LAKE OSAKIS

PRESENTED BY

Alex Van Loh &
Kris Meyer
Freshwater Society

DEVELOPING STRATEGIES FOR ECOSYSTEM PROTECTION AND ENHANCEMENT WITHIN RPBCWD

A distinct link exists between the loss of hydrologic function, natural waterbodies, and upland ecosystem issues such as soil health, biodiversity, habitat quality, urban heat island effect, urban forest degradation, and climate change. RPBCWD has worked for decades to protect its natural waterbodies through directing management of stormwater runoff from hard surfaces. We have now developed an Ecosystem Health Action Plan that expands this mission to directly address green space runoff – runoff from lawns, woodlands, abandoned agricultural fields, and a few remaining patches of agriculture - to take the next step to protect and restore water resources and reach towards a healthy urban ecosystem. Through a series of workshops with municipalities within the District and other local and state agencies, strategies for improving the urban ecosystem were identified. The purpose of this plan has been to identify strategies, programs, and projects that can be undertaken to initiate ecosystem recovery to protect and restore water resources.

LOCATION
LAKE MINNEWASKA

PRESENTED BY

Fred Rozumalski &
Scott Sobiech
Barr Engineering

Terry Jeffery
Riley Purgatory Bluff Creek
Watershed District

ENHANCED WATERSHED ENGAGEMENT

Plunging into the Diversity of our Residents (Experiential Learning)

Are you reaching out to your residents, but only getting the same cast of characters participating? The mission of the Watershed Diversity, Equity, Inclusion, and Access (DEIA) Workgroup is to share experiences, better understand, and advocate for the incorporation of equity in watershed management. At their 2nd annual summer retreat, the DEIA workgroup conducted an experiential learning activity where they assumed the roles of diverse community members (age, disability, religion, income) and role-played various beliefs, opinions, and perspectives of someone other than themselves. In this experiential learning activity, we learned that having diverse perspectives represented in your watershed may change how you think about diversity, equity, and inclusion, and how you interact with your watershed community. Explore the diversity of our cast of watershed residents in this role-playing activity. You may choose to participate or simply observe.

REDUCING SEDIMENT LOADING AND CREATING HABITAT USING LARGE WOOD IN SAND CREEK

Sand Creek is a tributary to the Minnesota River that flows through an eroding bluff zone. Land use practices and increased precipitation resulting from climatic changes have exacerbated ongoing natural erosion. Scott WMO has worked with Inter-Fluve since 2007 to assess Sand Creek's watershed and implement bluff-toe and ravine stabilization projects. The bluff-toe stabilization measures use large wood structures along outer meander bends to redirect velocity flow vectors, promote aggradation of sloughed bluff material at the toe, and improve instream habitat. Inter-Fluve uses two-dimensional hydraulic modeling to determine appropriate size, spacing, and orientation of large wood structures. Modeling large wood structures is an efficient and robust way to iterate design alternatives, identify local zones of high shear stress or velocity, and increase confidence in stability and ballast calculations. Stabilization efforts in Sand Creek have been successful, with sediment aggradation at the toe and vegetated, stable bluffs soon after construction.

CEDAR RIVER WATERSHED WATER STORAGE AND CLIMATE RESILIENCY

The Cedar River Watershed District (CRWD) is investing in long-term solutions to complex water resource management. With current climate trends and more frequent heavy rains, the CRWD has concerns about the resilience of the existing infrastructure projects as well as what other potential projects may be available to help curb the effects of climate change. In 2022, the CRWD was awarded a grant by the Minnesota Pollution Control Agency to identify how future extreme precipitation events may impact communities in the CRWD with a focus on the City of Austin. Our presentation will highlight the existing projects and their benefits, and present the results from the 2022 study, which included identification of 18 additional water storage sites. Cody will also highlight the challenges and successes in collaborating with local landowners and farmers to implement these projects.

LOCATION LAKE MILTONA

PRESENTED BY

Bassett Creek, Brown's Creek, Capitol Region, Comfort Lake-Forest Lake, EOR, Hennepin County, Minnehaha Creek, Mississippi, Nine Mile, Ramsey-Washington-Metro, Riley-Purgatory-Bluff Creek, Rosie Russell

LOCATION LAKE OSAKIS

PRESENTED BY

*Nick Jordan
Inter-Fluve
Ryan Holzer
Scott Watershed Management Organization*

LOCATION LAKE MINNEWASKA

PRESENTED BY

*Cody Fox
Cedar River Watershed District
Bret Zimmerman
Houston Engineering Inc.*

RESIDENTIAL SOIL TESTING FOR WATER QUALITY: PILOT OUTREACH PROGRAM

In 2023, the Nine Mile Creek Watershed District piloted a soil testing program in the subwatersheds of three lakes in Minnetonka: Lake Holiday, Wing Lake and Lake Rose. Some lakes in the Nine Mile Creek watershed have been identified as nitrogen limited or co-limited. Lawn fertilizer, which contains nitrogen and other nutrients, is a source of pollution to urban lakes. A water quality study identified soil testing as one strategy to reduce nutrient inputs to the lakes. The soil testing pilot program aimed to improve knowledge of lawn nutrient needs among homeowners and reduce over-fertilization of residential lawns. This pilot aimed to address four questions:

1. *What are the current lawn fertilization practices of homeowners in these three subwatersheds?*
2. *What levels of nutrients are already in the soil?*
3. *Do individualized fertilization recommendations from the University of Minnesota encourage people to change lawn fertilization practices?*
4. *Does assistance with the soil sampling process reduce barriers to participation? Education staff will explain working with the UMN Soil Testing Lab, participant recruitment strategies, costs, and preliminary behavior change results. Staff are using this information to assess the feasibility of expanding the program in 2024.*

USING HAND-PULLING, PARTNERSHIPS, AND GRANT OPPORTUNITIES TO EFFECTIVELY REDUCE AQUATIC INVASIVE SPECIES IN A LAKE WITH A HEALTHY NATIVE PLANT COMMUNITY

Birch Lake, in White Bear Lake, is a healthy lake with a diverse native plant community that is also infested with Eurasian watermilfoil (EWM). In 2019, a delineation identified 11.4 infested acres. VLAWMO and the Birch Lake Improvement District (BLID) partnered on a 2-year, MN DNR AIS removal grant. During a pre-treatment survey, the extent of EWM was smaller than previously detected, and plants were fairly sparse. MN DNR allowed a switch in the treatment plan to hand-pulling. A new detection of Curly-leaf pondweed (CLP) was also made, reported, and CLP is also being removed as part of the current project. After 2 years, the post-survey detected only 2 EWM and 0 CLP plants. The project is ongoing to maintain gains. VLAWMO works with Ramsey County Soil and Water Conservation Division to conduct surveys, and BLID funds treatment with divers. Hand-pulling may offer an effective alternative to chemical treatment in some lakes and should be considered when developing an AIS treatment plan.

IMPLEMENTING THE ONE WATERSHED, ONE PLAN: CONNECTING WATERSHED-BASED IMPLEMENTATION FUNDING TO PROJECTS

Upon adoption of a Comprehensive Watershed Management Plan (CWMP) completed as part of the One Watershed, One Plan (1W1P) program, local planning partnerships are eligible to receive non-competitive Watershed-Based Implementation Funding (WBIF) to implement projects and initiatives prioritized in the plan. Funds may be used to conduct feasibility studies to get projects shovel-ready and fund water quality components of larger, capital improvement projects. This presentation will provide two case studies—the Sauk River and Red Lake Watershed Districts—to showcase how WBIF funding has been used during plan implementation to increase collaboration between watershed district and soil and waters conservation districts, queue up shovel-ready projects, and support implementation of capital projects connected to local priorities.

LOCATION **LAKE MILTONA**

PRESENTED BY

*Gael Zemba
Nine Mile Creek
Watershed District*

LOCATION **LAKE OSAKIS**

PRESENTED BY

*Dawn Tanner & Phil Belfiori
Vadnais Lake Area Watershed
Management Organization*

LOCATION **LAKE MINNEWASKA**

PRESENTED BY

*Jon Roeschlein & Steve Zeece III
Sauk River Watershed District

Corey Hanson
Red Lake Watershed District

Rachel Olm
Houston Engineering, Inc.*

THURSDAY, NOVEMBER 30, 2023

11 AM

LOW SALT, NO SALT MINNESOTA: A RESOURCE FOR LOCAL GOVERNMENT UNITS

Chloride pollution is a growing problem across the State. To assist local governments with outreach and education efforts, the Hennepin County Chloride Initiative, a collaboration among watershed organizations, cities, and Stop Over Salting volunteers, developed an outreach toolbox called Low Salt, No Salt Minnesota. A team of water resource professionals led the development of and provided expertise for the campaign. The team worked with a Minnesota marketing firm to establish a brand, interview target audiences, identify key messages, and develop a presentation, videos, pledge card, and other materials. This session will describe the outreach campaign and describe the tools that can be used to guide conversations and technical outreach with residents, businesses, and property managers about winter maintenance best practices. [Learn more at low-salt-no-salt-mn.org](http://low-salt-no-salt-mn.org). Funded through a Clean Water Fund grant.

LOCATION **LAKE MILTONA**

PRESENTED BY

Laura Jester
*Bassett Creek Watershed
Management Commission*

Liz Forbes
*Riley Purgatory Bluff Creek
Watershed District*

DRAINAGE RIGHTS IN THE BULLSEYE OF ENVIRONMENTAL REVIEW—DRAINAGE WORKSHOP

Recent citizen petitions for environmental assessment worksheets (EAWs) on drainage improvement projects have resulted in the evaluation of the rigor of existing statute 103E.015 in evaluating the environmental, land use, and multipurpose drainage water management requirements. During this session ISG will compare the statutory requirements for drainage as they relate to the criteria for determining potential for significant environmental effects outlined in Minnesota Rules 4410 using the evidence presented by citizen petitioners for specific projects. The perceived gap between the drainage project requirements, drainage rights, and downstream impacts will be explored. Remedies, including public infrastructure investments to obtain greater environmental benefits, will be presented with recommendations on how to meet drainage rights afforded the benefited property owners as well as the increased societal demands from these infrastructure investments. Lastly, we will discuss who should be the responsible governmental unit and who should bear the costs of a citizen's petition for environmental review.

LOCATION **LAKE OSAKIS**

PRESENTED BY

*Julie Blackburn &
Jacob Rischmiller*
ISG, Inc.

RICE CREEK WATERSHED DISTRICT CLIMATE RESILIENCY PLANNING

The Rice Creek Watershed District recently completed a study to assess how vulnerable its communities are to increased rainfall depths and intensities due to climate change. By looking at future conditions and rainfall events, the District is taking a proactive approach to reduce flood damage rather than reacting to flooding concerns after a damaging event. The project team used H&H modeling to simulate estimated future conditions rainfall events, map the estimated future conditions rainfall floodplain, and identify capital improvement projects that would reduce the risk to increasingly vulnerable areas. The study identified a number of capital improvement storage projects to reduce flood damage. As part of the study, the District facilitated two planning meetings to engage community members and leaders in climate adaptation and resilience planning.

LOCATION **LAKE MINNEWASKA**

PRESENTED BY

Kendra Sommerfeld
Rice Creek Watershed District

Bret Zimmerman
Houston Engineering Inc

THURSDAY, NOVEMBER 30, 2023

2:30 PM

MINNESOTA WATER WORKFORCE PILOT WHAT IT IS AND HOW IT CAN HELP YOU

The water industry is struggling with workforce. The Minnesota Water Workforce Pilot is a new pilot program to collaborate on workforce strategies and tactics to encourage more people to join the water industry and more diverse candidates. We started convening a cross-sector group of water organizations across the state to help with this effort in 2019 and our roster includes watershed districts, cities, utilities, consulting firms, technical and community colleges, workforce consultants, Minnesota Rural Water, Minnesota AWWA, Central States Water Environment Association, and Minnesota Department of Employment and Economic Development (MN DEED). We have met for the past year to identify shared strategies and tools we can all use across our organizations, and now these tools are available for your use and feedback.

LOCATION
LAKE MILTONA (A)

PRESENTED BY

Mary Fitzgerald
Ramsey-Washington Metro
Watershed District

Michelle Stockness
Freshwater Society

CORPS REGULATORY UPDATES IN MINNESOTA

The U.S. Army Corps of Engineers (Corps) St Paul District Regulatory Division proposes to give a brief overview of jurisdictional determinations, stream mitigation, and permitting processes in our Section 404 Clean Water Act and Section 10 Rivers and Harbors Act Regulatory Program. We plan to share information on current practices for determining Corps 404 jurisdiction in Minnesota including when project proponents should request a jurisdictional determination and an overview of the factors the Corps considers when making jurisdictional determinations. We will provide information on our Stream Mitigation Procedures and briefly describe the information permit applicants should submit when proposing impacts to streams along with the information bank sponsors should consider submitting if they are proposing to generate functional stream lift at a compensatory mitigation bank site. We will also highlight our permitting processes including information requirements and timelines for review processes and provide suggestions for how permit applicants can work to provide complete applications and information needed for permit decisions.

LOCATION
LAKE MILTONA (B)

PRESENTED BY

Brian Yagle
Army Corps of
Engineers, St. Paul

RESULTS FROM AN INNOVATIVE MULTI-YEAR CARP MANAGEMENT PROGRAM

The Rice Creek Watershed District (RCWD) has implemented an innovative, multi-year program to manage common carp in the Long Lake / Lino Chain of Lakes system. Pre-project carp density was 670 kg/ha – nearly seven times the ecological damage threshold. Water quality in Long Lake and the Lino Chain was poor, with frequent algae blooms. The RCWD and Carp Solutions embarked on a multi-year comprehensive program to reduce carp density. New and innovative tools and technologies were developed. A consistent, but flexible management approach was used, paying close attention to changing efficiencies of various management tools. Over 400,000 pounds of carp were removed from the system, and density was reduced by 88% to 80 kg/ha. In 2022, phosphorus concentrations in Long Lake were the lowest on record (38 yrs.). We will present details on program methods and water quality response to a successful, long-term carp management program.

LOCATION
LAKE MINNEWASKA

PRESENTED BY

Matt Kocian
Rice Creek Watershed District

Przemek Bajer
Carp Solutions, LLC

THURSDAY, NOVEMBER 30, 2023

2:30 PM (CONTINUED)

STAKEHOLDER INPUT—OPPORTUNITY OR OBSTACLE?

The value of public outreach and civic engagement are sometimes overlooked in developing water management projects and reducing overall project timelines. A holistic approach of creating connections between people and the project facilitate moving communities forward. In the Roseau River Watershed District, public and agency outreach has proven critical to constructing flood damage reduction, water quality, habitat restoration and drainage projects. Often initial outreach meetings can be tense, as multiple interests are presented around a single location or small catchment. Seeking to understand one another’s perspective may not get all parties in favor of a project, however it can result in a future project that everyone can “live with”. Facilitating discussions so that all individuals or interest groups feel heard and understand how their input can sculpt an eventual project is paramount to reduce project risk, including social and permitting constraints, that could be realized later in the project process.

LOCATION
LAKE OSAKIS

PRESENTED BY

Tracy Halstensgard
Roseau River
Watershed District

Nate Dalager
HDR Inc.

3:15 PM

FOR STORMWATER PROFESSIONALS AND THE PUBLIC

This project fills a key need for an online resource allowing stormwater professionals as well as the general public to easily choose appropriate and successful native plant species and seed mixes for vegetated stormwater practices in different site conditions and state regions. We are updating the Minnesota native plant search tool Blue Thumb Plant Finder to include more commonly planted native species and information about them, and pull in other available and relevant data (drought tolerance, erosion susceptibility, etc.) where possible. Upon completion, the tool will be linked to vegetated stormwater practice information in the Minnesota Stormwater Manual, a comprehensive and still growing collection of background and design information about stormwater Best Management Practices for stormwater practitioners across the state. The plant finder’s database will be structured so that it can be searched with a variety of filters and tags, so that practitioners can “describe” a site that needs planting, including adverse site conditions and special parameters, and be given a detailed list of plant species and/or seed mixes that are most likely to succeed on the site.

LOCATION
LAKE MILTONA (A)

PRESENTED BY

Megan Reich
Metro Blooms

Rich Harrison
Metro Blooms,
Design and Build

THURSDAY, NOVEMBER 30, 2023

3:15 PM (CONTINUED)

CONSERVATION AGRICULTURE: BENEFITING WATER QUALITY & FARMERS' BOTTOM LINES

The Minnesota Agricultural Water Quality Certification Program (MAWQCP), AgCentric and Minnesota State Agricultural Centers of Excellence are working together to demonstrate the economic value of conservation agriculture and meet Minnesota's water quality goals. These partners started in 2019 to compare Water Quality certified producers to non-certified producers in the Farm Business Management program. In the first four years of data comparisons, the Water Quality certified farms averaged 23 percent higher net income than non-MAWQCP certified farms. The MAWQCP and partners will share this financial analysis as an example of how economic data can demonstrate the benefits of conservation agriculture, specifically water quality best practices, and help convince more producers and landowners to adopt the practices needed to protect Minnesota's waters. Presenters will further share how the MAWQCP is a tool to mitigate water quality risks from agriculture through its whole farm conservation planning approach.

LOCATION
LAKE MILTONA (B)

PRESENTED BY

Brad Jordahl Redlin
Minnesota Department
of Agriculture

LESSONS LEARNED THROUGH 20 YEARS OF STREAM RESTORATION WITHIN THE BUFFALO-RED RIVER WATERSHED DISTRICT

The Buffalo-Red River Watershed District, in partnership with local, state, and federal agencies, has restored more than 50 miles of streams over the past 20 years. Channel straightening projects completed several decades ago led to headcutting and streambank failures in some areas. In other areas, excessive sediment loading from upland locations caused significant sediment buildup. In either case, habitat was negatively impacted by reduced stream connectivity to the riparian floodplain corridor and elimination of deeper pools and riffles required by fish at various stages. In addition, sediment buildup reduced hydraulic capacity of the channels, resulting in increased occurrence of breakout flows, exacerbating sedimentation. This presentation will highlight the lessons learned from stream restoration projects within the BRRWD over the past two decades. The presentation will also discuss the various stages of project development, including design, permitting, funding, and construction.

LOCATION
LAKE MINNEWASKA

PRESENTED BY

Kristine Altrichter
Buffalo-Red River
Watershed District

Bennett Uhler
Houston Engineering, Inc.

MODELING TO PROTECT DOWNSTREAM WATERS: TOOLS AND TECHNOLOGIES FOR BETTER DESIGNS

As an industry leader in water resource management, ISG's team uses leading-edge technologies to optimize designs and protect natural resources. Hydraulic and water quality modeling, drone, and pipe camera technologies are used to capture accurate data and improve designs that are based on project and stakeholder goals. ISG will present noteworthy case studies that explore how a variety of targeted technologies can be applied to collect data that support multi-purpose drainage management. The case studies detail real-world challenges and the design solutions developed using innovative technologies. We will highlight projects that have benefited from one- and two-dimensional hydraulic modeling and BMP targeting software to deliver solutions that increased productivity while protecting downstream waters. In addition, the presentation will showcase how drones are used to capture water on landscapes, including flood events, LiDAR drone to capture ground elevations, and pipe cameras to televise existing tile conditions to determine whether pipes are providing adequate support or require repairs.

LOCATION
LAKE OSAKIS

PRESENTED BY

Jacob Rischmiller &
Paul Marston
ISG, Inc.

THURSDAY, NOVEMBER 30, 2023

4 PM

LEGACY PAYMENT PROGRAM: RECOGNIZING LANDOWNERS WHO MAINTAIN NATURAL RESOURCES & SHORELINES

Loss of natural shoreline and upland land management practices have an alarming impact on water quality. CLFLWD's cost-share and comprehensive shoreline programs work to improve and maintain land management activities that protect water quality and lake ecosystems. As part of this effort, CLFLWD piloted a program to provide ongoing and yearly payments or tax rebates to landowners who protect high quality natural resources including high quality shorelines with buffers. The Legacy Payment Program is available to all property owners in the District and encourages maintaining healthy landscapes and natural shorelines. Staff researched similar programs used in agriculture and forestry but not commonly practiced by watershed district cost-share programs to develop this. It promotes the idea of the "un-restoration" and protecting properties and shorelines that are already providing the best water quality benefits to lakes, streams, and wetlands.

SHARED PROGRESS TOWARD SHARED GOALS: COLLABORATIVELY TRACKING IMPLEMENTATION

Responding to a request from the Minnesota Association of Soil and Water Conservation Districts, the Board of Water and Soil Resources formed a work group of local partners to discuss systems for collaboratively tracking implementation of Comprehensive Watershed Management Plans (CWMP). This presentation will share the outcomes of the project, which was designed to identify common metrics for tracking plan goals and establish data standards so partnerships can customize how they track their plan implementation progress while being able to share data with others around the state. The presentation will also share examples and prototypes of tracking tools that partnerships can use to track their plan implementation.

DEVELOPMENT OF A STREAM STABILIZATION PROJECT FOR THE BENEFIT OF LAKE TRAVERSE (TCD 52)

Traverse County Ditch No. 52 was constructed in 1951 to improve agricultural drainage in a flat upland area above Lake Traverse located on Minnesota's shared border with South Dakota. The project redirected approximately 17.6 square miles of the watershed to an existing ravine that drained into the lake. In the decades following the completion of the project, massive erosion in the form of channel downcutting and side-slope sloughing resulted in an estimated 135,000 cubic yards of sediment being discharged into the lake. There were many failed attempts over the past five decades to develop a solution, with funding being the primary challenge. In response to the situation, the Bois de Sioux Watershed District developed an interdisciplinary multi-phased path forward that finally resulted in the completion of a stabilization and natural resource enhancement project. The final phase of construction will be completed by the fall of 2023. Learn how the District was able to generate landowner support for a local assessment district, secure permits, and obtain 89% grant funding for this project.

LOCATION **LAKE MILTONA (A)**

PRESENTED BY

*Aidan Read &
Beth Carreno
Comfort Lake Forest Lake
Watershed District*

LOCATION **LAKE MILTONA (B)**

PRESENTED BY

*Julie Westerlund
MN Board of Water and
Soil Resources

Arlyn Gehrke
Rock County Soils & Water
Conservation District

Rachel Olm
Houston Engineering, Inc.*

LOCATION **LAKE OSAKIS**

PRESENTED BY

*James Guler
Moore Engineering*

THURSDAY, NOVEMBER 30, 2023

4 PM (CONTINUED)

CHANGING A LAKESHORE CULTURE: COMMUNICATION, ENGAGEMENT, & ENFORCEMENT

There is a statewide trend of declining lakeshore health and loss of natural conditions as (re)development occur. Natural shorelines are being replaced with rock, beach, patio, and turf and trees, shrubs, and native herbaceous vegetation are replaced with lawns and unobstructed views. The on-going loss of critical habitats is resulting in declining biological health and water quality. Additionally, social networks are promoting acceleration of lakeshore conversions. The 2022 CMSCWD Watershed Management Plan outlined measurable goals focused on reversing these trends through Communication, Engagement, and Enforcement. In 2022, the District began shoreline monitoring on our top 10 priority lakes to baseline shoreline conditions lot-by-lot and conducting lakeshore landowners surveys and focus groups. This data serves as a foundation to measure program effectiveness, prioritize program activities, and track progress toward goals. In this presentation we will share our baseline results, experience coalition building, public and landowner engagement actions, and rule enforcement.

LOCATION
LAKE MINNEWASKA

PRESENTED BY

*Tom Langer & Mike Isensee
Carnelian-Marine-St Croix
Watershed District*

Minnesota Watersheds is a non-profit organization representing and connecting local governments that are focused specifically on the management of water on watershed boundaries rather than political boundaries, such as cities and counties.

Primary areas of focus include providing educational and training opportunities, lobbying and advocacy services and regular communications. We represents 37 Watershed Districts and 3 Water Management Organizations in the state.

Learn more at mnwatersheds.com



**MINNESOTA
WATERSHEDS**
Connecting People. Protecting Water.



Administrator's Report

October 26, 2023

Impoundments: Structures on District impoundment are set at winter elevation, with minimal flow going over several sites (Little Pine, Pine Lake). In the near future staff will be completing routine maintenance on the Schirrick Dam.

Mud River Project Work Team: A Mud River Project Work team meeting will be held at the District office, on Monday, November 20th at 1:30 p.m, which is also the same day as the District Board meeting. Included in the packet was a letter submitted to David Myhrer responding to his comments on downstream flooding concerns.

Turtle Cross Connection Project Work Team: There will be a Turtle Cross Connection Project Work Team meeting on November 2, at 9:30 a.m. at the Garden Valley Office in Erskine.

Garden Valley Capital Credits Buyout: District staff submitted the online information for the Garden Valley Capital Credit Buyout Offer. I understand that all funds available were exhausted.

Marshall County Emergency Management: Included in the packet is a News Release from Marshall County regarding public comment for the County's Hazard Mitigation Plan.

BWSR Academy: Staff members Lindsey Kallis, Erick Huseth and Corey Hanson participated in the BWSR Academy this week in Brainerd.

Red Lake Watershed District

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Secretary

Terry Sorenson

Managers

Les Torgerson

Allan Page

Brian Dwight

October 25, 2023

David Myhrer
28694 170th Avenue NE
Middle River, MN 56737

RE: Mud River Project

Dear David:

This letter is in response to your concern/comments that were presented to the Mud River Project Team members regarding the proposed Mud River Project as it relates to downstream conditions. I asked Engineer, Nate Dalager, HDR Engineering, Inc., and Jim Graham, USFWS, to prepare written comments to present to you. I have left your comments in bold, with the responses to follow.

- 1. There are 18-20 spillways in Agassiz NWR. If pools are at their summer level and there is a 3-4" rain upstream, water will run over these spillways and roads within the Refuge. During a "normal" year the main channel runs full.**

At summer objective levels there is approximately 1 foot of storage in each pool before water would flow over a spillway. This extra space in each of the refuge pools offers anywhere from several hundred to several thousand (ex. Agassiz Pool = 10,000) acre-feet of storage in a pool. Thus, the 20+ impoundments within the refuge offer some flood protection. Although, for the purposes of refuge management this is not ideal (detrimental to overwater nesting birds), it does attenuate the flood impacts to downstream users in the watershed. A 3-4" rain event occurring upstream of the refuge during summer would not cause all the spillways to run, because this additional storage space that the pools have been designed to hold, would prohibit that from happening.

As a rain event of this proportion moves into and through the refuge from upstream it is possible that a few spillways, on the upstream side, may be utilized but as the water continues its flow, the water control structures are opened to reduce the rise and manage this excess water.

Rain events that would cause the spillways to run concurrently, have in the past, done so in conjunction with spring runoff events that are sustained over a period. These events are greater than a single 3-4" rain event, occurring upstream of the refuge.

2. What are the downstream impacts of this project? Both on the downstream cropland/homes, etc. and on the reservoir and water quality in TRF, especially if sediment is going to “pass through”?

The Mud River Project is not a “pass through” project and is not sending flood water downstream faster. The Mud River Project reduces flow downstream by increasing temporary floodplain storage. The drainage improvements realized by upstream landowners are mitigated by the increased floodplain storage. Deposition of sediments within the enhanced floodplain will reduce turbidity downstream to Thief River Falls.

3. What are the spillway elevations (and top of road elevations) in the Refuge? What are the other outlet elevations and outlet sizes (such as the culverts Ditch 83 on the west side of the Refuge)?

Spillway elevations and road height:

Agassiz to Parker	1141.8	1144
Agassiz to Pool 8	1141.7	1146
Pool 8	1142	1143.6
NW Pool	1141.7	1143.3
Tamarac	1143.7	1146
Lower CCC	1144.6	1146.3
Middle CCC	1143.8	1146.4
Kelly	1145.1	1147.5
Parker	1141.5	1143.5
Mud River	1142.5	1145.7
Webster	1143.3	1145.7

Outlet structures into D-83 and D-35 are as follow:

Structure	Culvert size	
Tamarac Pool to D-35	24"	
Northwest Pool to D-35	36"	
Pool 8 to D-83	48"	
Madsen Pool to D-83	42" - 2 each	
Agassiz Pool to D-11	36"	2 - 9'x14' gates
Parker Pool to D-83	36"	
Farmes Pool to D-200	72"	

4. What management controls are in place to ensure there is not a negative impact (flooding) due to increased flows from this project?

The Mud River Project does not increase flows downstream. Existing Agassiz USFWS water management plans are in place. The operation of Agassiz considers downstream flooding concerns to the extent possible.

5. The priority of the Refuge is waterfowl production. That means water levels are held at an optimum elevation throughout the nesting/brooding seasons. How does this mesh with this project – more water coming faster onto the Refuge?

The objectives of this project are to provide multi-benefits. Migratory bird habitat will be increased by restoring a meandered channel and pool bounce will be attenuated by providing flood water access to the floodplain, which will improve nesting success. Water quality will be improved by allowing excess nutrients to be deposited on the floodplain. These benefits mesh nicely with the purpose of the refuge and offer a climate adaptation strategy to sustain the health and function of the refuge.

I sincerely hope these comments help answer any questions you may have. If you have any questions, please contact me.

Thank you!



Tammy Audette
Administrator

Enclosure

Project:
Mud River Enhancement & Floodplain Access

Subject:
Downstream Effects to Thief River (SD 83)

Introduction:

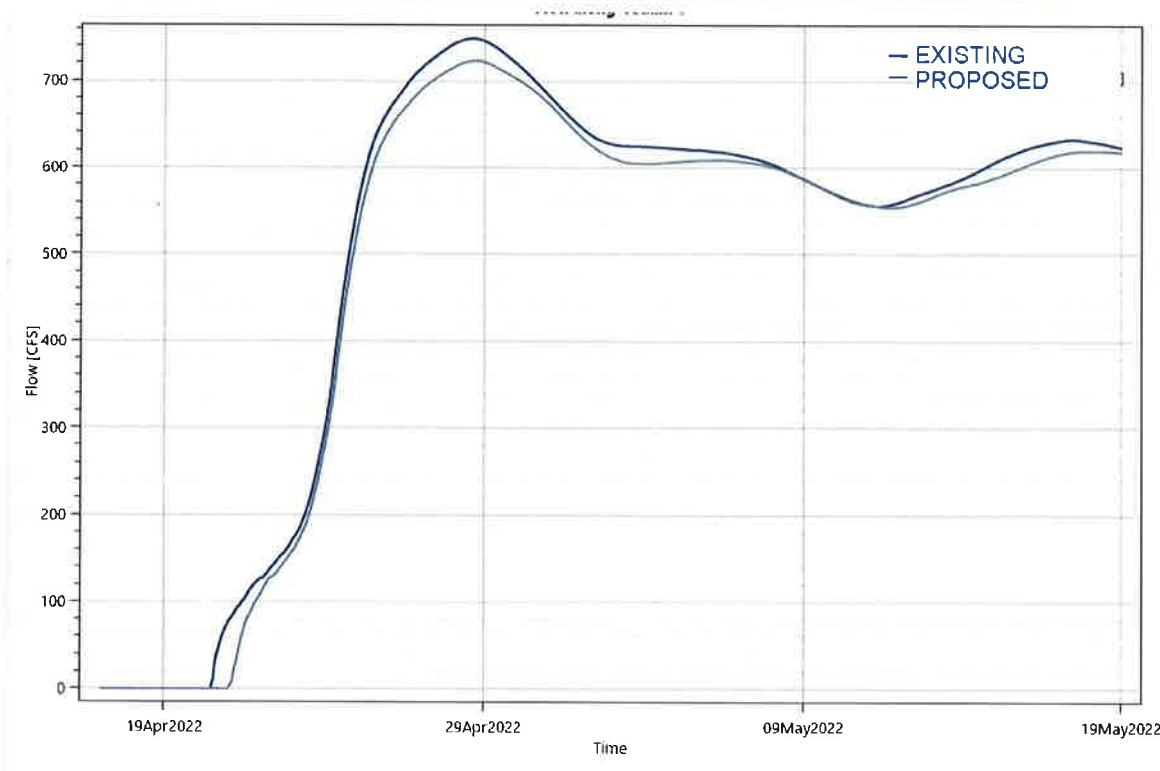
Agassiz National Wildlife Refuge serves as an on-channel impoundment upstream of the Thief River (SD 83) in the Mud River and Judicial Ditch 11 systems. The impoundment provides temporary flood storage and benefits to the Thief River.

Hydrology:

Stream/Location	Drainage Area (mi ²)	10-Day, 100-Year Peak Flow (cfs)	24-Hour, 10-Year Peak Flow (cfs)
Agassiz Outlet - Radial Gates	554	3,007	912
SD 83 above JD 11	35	660	242
SD 83 near Thief River Falls (USGS 05076000)	980	9,967	3,350

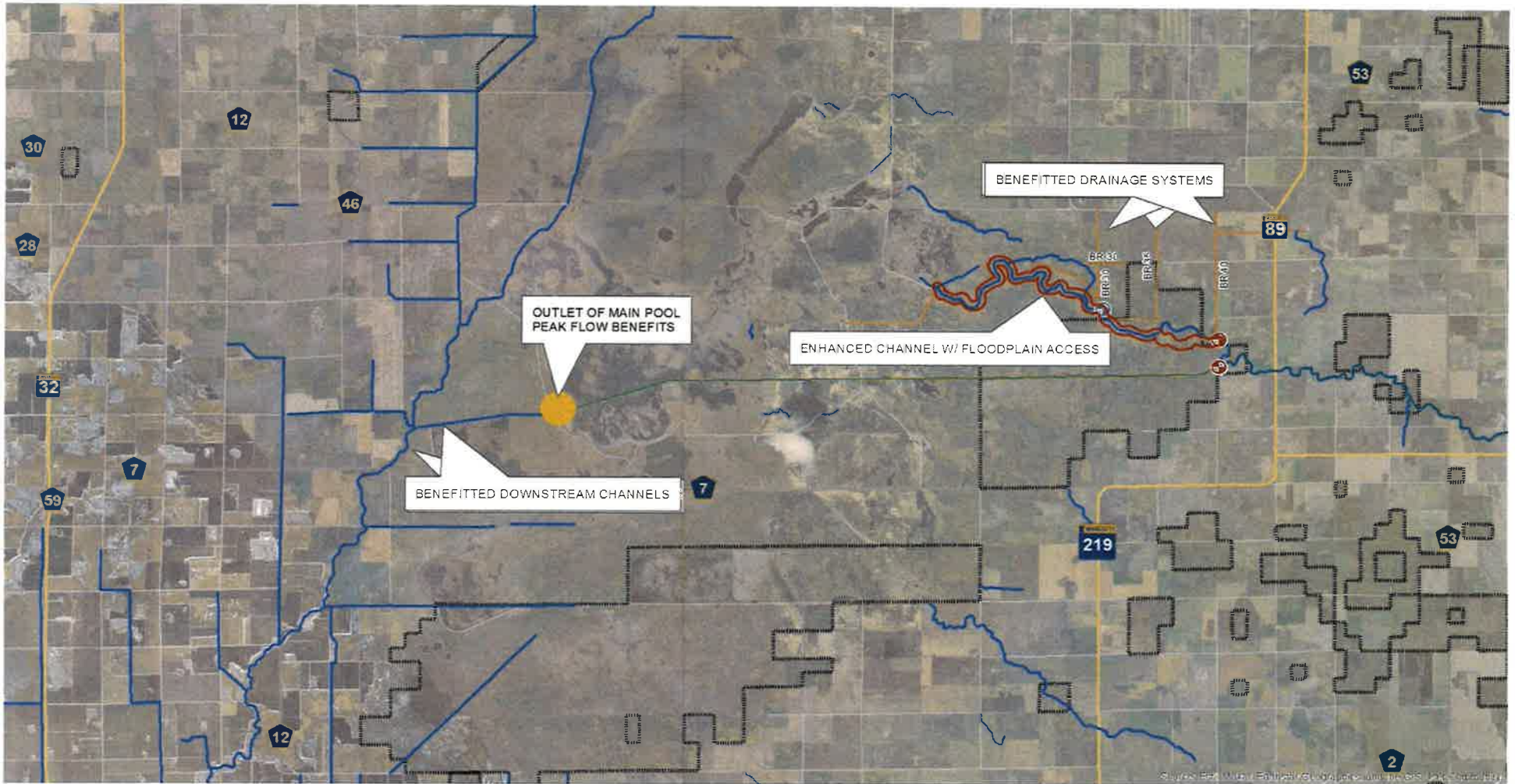
Hydraulics:

Modeling an Enhanced Channel and floodplain access shows reduced peak flows that reach the radial gates from the upstream Mud River (JD 11) system. Simulating the spring 2022 flood event showed a peak flow reduction of 3.4%.



Conclusion:

This Project shows that there are peak flow reduction benefits to the Thief River, which result from the floodplain access upstream of the Agassiz impoundment and radial gate outlet. The downstream system may require additional studies to evaluate alternatives that would be able to address ongoing concerns. Previous studies identified channel instabilities, water quality impairments, and potential storage areas in the watershed.



Mud River Work Group

What: Concern/comments

From: David Myhrer

There are 18-20 spillways in Agassiz NWR. If pools are at their summer level and there is a 3-4" rain upstream, water will run over these spillways and roads within the Refuge. During a "normal" year the main channel runs full.

What are the downstream impacts of this project? Both on the downstream cropland/homes, etc and on the reservoir and water quality in TRF, especially if sediment is going to "pass through"?

What are the spillway elevations (and top of road elevations) in the Refuge? What are the other outlet elevations and outlet sizes (such as the culverts Ditch 83 on the west side of the Refuge)?

What management controls are in place to ensure there is not a negative impact (flooding) due to increased flows from this project?

The priority of the Refuge is waterfowl production. That means water levels are held at an optimum elevation throughout the nesting/brooding seasons. How does this mesh with this project – more water coming faster onto the Refuge?



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MARSHALL COUNTY NEWS RELEASE

October 25, 2023

Public Comment Sought for County's Hazard Mitigation Plan

Marshall County has completed an updated draft of its Hazard Mitigation Plan (HMP) and is now seeking public feedback. Like all Minnesota counties, Marshall County is vulnerable to a variety of natural hazards such as tornadoes, windstorms, severe winter storms, flooding, drought, and extreme temperatures, which can threaten the loss of life and property in the county. Planning for natural disasters minimizes the impact of events that can cause vast economic loss and personal hardship.

All county residents, as well as other interested agency or organizational stakeholders are strongly encouraged to review and offer feedback on the interactive website, PDF of the draft plan, and proposed local mitigation actions. The review and comment period is open for a period of 15 days through November 8, 2023. The public can access the plan using the following links:

[Marshall County HMP Website](https://z.umn.edu/MarshallHMP) (z.umn.edu/MarshallHMP)

[Mitigation Action Charts](https://marshall-county-hmp-umn.hub.arcgis.com/pages/mitigation-actions) (<https://marshall-county-hmp-umn.hub.arcgis.com/pages/mitigation-actions>)

[Public Comment Feedback Form](https://z.umn.edu/HMPfeedback) (<https://z.umn.edu/HMPfeedback>)

The Marshall County HMP is a multi-jurisdictional plan that covers Marshall County, including the cities of Alvarado, Argyle, Grygla, Holt, Middle River, Newfolden, Oslo, Stephen, Strandquist, Viking, and Warren. The Marshall County HMP also incorporates the concerns and needs of townships, school districts, and other stakeholders participating in the plan.

Update of the plan has been under direction of Marshall County Emergency Management in cooperation with U-Spatial at the University of Minnesota Duluth and representatives from county departments, city and township governments, school districts, and other key stakeholders. Together, the planning team worked to identify cost-effective and sustainable actions to reduce or eliminate the long-term risk to human life or property from natural hazards. Examples include improvement of roads and culverts that experience repetitive flooding; construction of safe rooms in areas where residents and visitors are vulnerable to tornadoes and severe storm events; burying powerlines that may fail due to heavy snow, ice or wind storms; ensuring timely emergency communication to the public through warning sirens and mass notification systems; and conducting outreach to increase public awareness of severe weather and personal preparedness.

Hazard mitigation planning helps Marshall County and other jurisdictions protect their residents. Working with local communities through the process helps identify vulnerabilities and develop strategies to reduce or eliminate the effects of a potential hazard. In addition, increasing public awareness of natural disasters and encouraging personal preparedness helps to create a community that is resilient to disaster, and breaks

the cycle of response and recovery. Updating the plan further allows Marshall County and its jurisdictions to be eligible to apply for future FEMA Hazard Mitigation Assistance grant program funding for projects that help to reduce or eliminate the impacts of future natural hazard events.

Community feedback is vital to the success of the plan. Marshall County invites public review and feedback of the draft plan prior to submitting it to the State of Minnesota and the Federal Emergency Management Agency (FEMA) for review. Feedback may be provided via the online comment forms or directly to Marshall County Emergency Management.

Contact:

Josh Johnson
Marshall County Emergency Management Director
Phone: 218-745-5841
Email: josh.johnston@co.marshall.mn.us

Please scan the following QR codes to go directly to the Marshall County Hazard Mitigation Plan interactive website and online feedback form:

