

RED LAKE WATERSHED DISTRICT
September 9, 2021, 9:00 a.m.
Agenda

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	August 26, 2021 Minutes	Action
	Financial Report dated September 8 , 2021	Action
	General Budget as of August 31, 2021	Information
	League of MN Cities Dues	Action
	Black River Impoundment, RLWD Project No. 176 Pay Estimate No. 13	Information Action
	Red Lake SWCD Funding Request, Erosion Control Funds, RLWD Project No. 164-Myhre	Info./Action
	Pine Lake Flood Damage Red. & Fish Habitat, Proj. No. 26B-Update	Information
9:30 a.m.	2022 General Fund Budget Hearing	Action
	Thief River 1W1P, RLWD Project No. 149A State Ditch 83-Update	Information
	Wild Rice Allocation, RLWD Project No. 45	Information
	Permit No. 20208, Darrell & Danny Payment	Action
	Permits: No. 21135-21138, 21142, 21143	Action
	ComputerWare Consulting Contract	Information
	Staff Retirement-Arlene Novak	Info./Action
	Computer Purchase	Info./Action
	Vehicle Request	Info./Action

Administrators Update	Information
Legal Counsel Update	Information
Managers' updates	Information
Adjourn	Action

UPCOMING MEETINGS

September 14, 2021	Pennington County Commissioners Meeting, 10:00 a.m.
September 21, 2021	RRWMB Meeting, Ada, 10:00 a.m.
September 23, 2021	RLWD Board Meeting, 9:00 a.m.
September 28, 2021	Judicial Ditch 72 Consolidation Hearing, Polk County Government Center, 9:00 a.m.
October 12, 2021	Clearwater County Commissioners Meeting, 9:20 a.m.

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
August 26, 2021

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

Present: Managers: Dale Nelson, Gene Tiedemann, Terry Sorenson, Brian Dwight, and Tom Anderson. Absent: Allan Page and LeRoy Ose. Staff Present: Tammy Audette, Myron Jesme and Arlene Novak.

The Board reviewed the agenda. A motion was made by Dwight, seconded by Anderson, and passed by unanimous vote that the Board approve the agenda. Motion carried.

The Board reviewed the August 12, 2021, minutes. Motion by Sorenson, seconded by Tiedemann, to approve the August 12, 2021, Board meeting minutes as presented. Motion carried.

Board reviewed the Financial Report dated August 25, 2021. Motion by Anderson, seconded by Dwight, to unanimously approve the Financial Report dated August 25, 2021. Motion carried.

Staff member Arlene Novak presented information regarding the renewal of the District's League of Minnesota Cities Property and Casualty Liability Insurance and Excess Liability Coverage. Novak indicated that the renewal reflects an increase of \$12,771 in the Property and Casualty Insurance Premium for the 2021-2022 renewal year. This increase was due to increased expenditures paid out in the previous premium year. Discussion was held to address the additional premium at the General Fund Budget Hearing to be held on September 9, 2021. Motion by Sorenson, seconded by Anderson, to renew the Property and Casualty Liability Coverage with the League of Minnesota Cities and addressed the increased premium at the General Fund Budget Hearing, Motion carried.

The 2022 Proposed Special Revenue Project levies were presented by Staff member Arlene Novak and discussed by the Board. Questions regarding different ditch systems were fielded. Motion by Tiedemann, seconded by Anderson, to approve the following Special Revenue Assessments for 2022: RLWD Ditch No. 1, RLWD Project No. 5, \$2,000; State Ditch No. 83, RLWD Project No. 14, \$50,000; RLWD Ditch No. 7, RLWD Project No. 20, \$7,000; Pine Lake Maintenance, RLWD Project No. 35, \$7,000; RLWD Ditch No. 8, RLWD Project No. 36, \$2,000; RLWD Ditch No. 9, RLWD Project No. 39, \$1,000; Burnham Creek, RLWD Project No. 43B; \$20,000; Wild Rice Allocation, RLWD Project No. 45, \$1,000; J.D. 2, Branch A & B, RLWD Project No. 48, \$5,000; Krostue Petition, RLWD Project No. 53, \$15,000; J.D. 5 (Four-Legged Lake), RLWD Project No. 102, \$2,200; Arveson Petition, RLWD Project No. 109, \$2,500; RLWD Ditch 1, Lateral C, RLWD Project No. 115, \$4,000; Kenneth Johnson Petition, RLWD Project No. 117, \$2,000; Polk County Ditch Improvement, RLWD Project No. 119, \$15,000; Challenger Ditch, RLWD Project No. 122, \$1,000; Scott Baatz Petition, RLWD Project No. 123, \$1,000; Polk County Ditch 33, RLWD Project No. 135, \$1,000; RLWD Ditch No. 10, RLWD Project No. 161, \$2,500; RLWD Ditch No. 12, RLWD Project No. 169, \$10,000; RLWD

Ditch No. 13, RLWD Project No. 170A, \$2,000; RLWD Ditch No. 14, RLWD Project No. 171, \$5,000; and TRF FDR Project, RLWD Project No. 171A, \$1,000. Motion carried.

Rob Sip, Executive Director for the Red River Watershed Management Board (RRWMB) presented an update on RRWMB activities. Sip discussed updating LiDAR, with the flight scheduled to occur at leaf off in the Fall of 2021. Extensive discussion was held with the Board on the areas to be collected with the potential of additional counties and watersheds participating in the LiDAR data collection. Sip reviewed the budgetary and financial information along with annual programs funded and current funding commitments by the RRWMB in 2021. Sip reviewed a map as of March 2020 depicting RRWMB funded Flood Damage Reduction Projects, in addition to co-funding approximately 300 farmstead ring dikes. Discussion was held on legislative efforts in 2021 and legislative financial accomplishments from 2017 to 2021. The RRWMB is also currently working on updating the Governing Documents handbook.

The Board reviewed Pay Estimate No. 12 for the Black River Impoundment, RLWD Project No. 176 in the amount of \$272,634.38 Motion by Tiedemann, seconded by Dwight, to approve Pay Estimate No. 12 in the amount of \$272,634.38 to R.J. Zavoral & Sons, Inc., for construction of the Black River Impoundment, RLWD Project No. 176. Motion carried.

Engineer Nordby presented Change Order No. 4 in the amount of \$4,207.50 for R. J. Zavoral & Sons, Inc., for common excavation for the County Road 68 diversion ditch modification. With this recommended change order, total contract amount for Black River Impoundment Project will increase to \$4,446,915.00. Motion by Sorenson, seconded by Anderson, to approve Change Order No. 4 in the amount of \$4,207.50 to R. J. Zavoral & Sons, Inc. Motion carried.

Engineer Nordby presented Change Order No. 5 in the amount of \$9,800.00 for R. J. Zavoral & Sons, Inc., which included two 14-foot extensions on the newly installed - 71" span CS structural plate pipe arch culvert which crosses County Road 68 Diversion. With this recommended change order, this raises the total contract amount for Black River Impoundment Project will increase to \$4,456,715.00. Motion by Anderson, seconded by Tiedemann, to approve Change Order No. 5 in the amount of \$9,800.00 to R. J. Zavoral & Sons, Inc. Motion carried.

The Mud River Restoration Project Work Team, RLWD Project No. 149A, was presented to the Board for review. Administrator Jesme stated that the District has not heard from several of the agencies/associations regarding who will participate as a Delegate for their respective agency/association. Motion by Sorenson, seconded by Tiedemann, to approve the Mud River Restoration Project Work Team, RLWD Project No. 149A, and that any additional changes be presented to the Board. Motion carried.

The following quotes were received for the Thief River Streambank Stabilization Project, RLWD Project No. 149A: Quality Spray Foam/Anderson Excavating, \$93,842.34; and Davidson Construction, \$148,360. Motion by Tiedemann, seconded by Sorenson, and passed by unanimous vote to accept the apparent low quote from Quality Spray Foam/Anderson Excavating in the amount of \$93,842.34 for the Thief River Streambank Stabilization Project, RLWD Project No. 149A, contingent upon the approval by Legal Counsel Sparby, District Staff,

and Project Engineer Tony Nordby Houston Engineering, Inc. in their review of the quote documents and materials.

Administrator Jesme stated that a pre-construction meeting with the contractor and landowners for the Pine Lake Flood Damage Reduction and Fish Habitat Project, RLWD Project No. 26B, will be held on August 31, 2021 at the project site. Manager Sorenson recommended inviting landowner Dave Dalager to participate in the meeting.

Judicial Ditch 72, RLWD Project No. 41, Consolidating Hearing will be held on September 28, 2021 at 9:00 a.m. at the Polk County Government Center, Crookston, MN.

Administrator Jesme was contacted by the West Polk FSA office regarding a request by a local landowner to hay the CRP on the Louisville/Parnell Impoundment, RLWD Project No. 121. Jesme indicated that the District owns the property, but the CRP contract is held with the previous landowner, Paul Hoff. Motion by Anderson, seconded by Tiedemann, to approve the request to hay the CRP within the interior of the Louisville/Parnell Impoundment, RLWD Project No. 121. Motion carried.

Administrator Jesme and Manager Dwight discussed a request from the Beltrami SWCD to assist them in their efforts to purchase a no till drill for installation of buffers strips to prevent erosion and improve water quality. Motion by Tiedemann, seconded by Sorenson, to approve the request in the amount of \$5,000 to the Beltrami SWCD, for assistance in the implementation of buffer strips and water quality purposes to be funded through the District Erosion Control Funds, RLWD Project No. 164

The Board reviewed Pay Estimate No. 2 for construction of the Threat Ring Dike, RLWD Project No. 129AS in the amount of \$7,578.75 Motion by Tiedemann, seconded by Anderson, to approve Pay Estimate No. 2 in the amount of \$7,578.75 to Taggart Contracting, Inc., for construction of the Threat Ring Dike, RLWD Project No. 129AS. Motion carried.

The Board reviewed the following quotes for construction of the Craig Larson Ring Dike, RLWD Project No. 129AV: Bertils Gravel and Excavating, \$42,243.90; Higher Ground/Zavoral, \$63,795.54; and Lyle Wilkens, Inc., \$84,431.30. Motion by Tiedemann, seconded by Sorenson, and passed by unanimous vote to accept the apparent low quote from Bertils Gravel in the amount of \$42,243.90 for the construction of the Craig Larson Ring Dike, RLWD Project No. 129AV, contingent upon the approval by District Staff in their review of the quote documents and materials.

The Board reviewed the following quotes for construction of the Peter Nelson Ring Dike, RLWD Project No. 129AU: Trent Stanley, \$37,079.25; Andy Anderson, \$86,164.76 and Olson Construction, \$76,026.40. Motion by Tiedemann, seconded by Dwight, and passed by unanimous vote to accept the apparent low quote from Trent Stanley in the amount of \$37,079.25 for the construction of the Peter Nelson Ring Dike, RLWD Project No. 129AU, contingent upon the approval by District Staff in their review of the quote documents and materials.

Staff member Nick Olson stated that he has been working on the alignment and design of the Sorum Ring Dike, RLWD Project No. 129AW.

Staff member Tammy Audette reported on the MnDNR plan to reinstate the wild rice permits on the Clearwater River that were suspended due to the drought. Audette noted that permits will be reinstated earlier than others throughout the state, due to the fact that the Wild Rice Allocation Plan, RLWD Project No. 45, is in place, that authorizes the District to allocate water to the growers during low flow.

Motion by Tiedemann, seconded by Anderson, to approve RLWD Permit No. 21100, Vince Desselier, Garnes Township, Red Lake County, with conditions stated on the permit. Motion carried.

Motion by Sorenson, seconded by Dwight, to approve the “after -the-fact permit, RLWD Permit No. 21127, Aaron Chervestad, Kratka Township, Pennington County, with conditions stated on the permit. Motion carried.

The Board reviewed the permits for approval. Motion by Anderson, seconded by Dwight, to approve the following permits with conditions stated on the permit: No. 21123, Hickory Township, Pennington County; No. 21124, Clyde Sorenson, Kratka Township, Pennington County; No. 21125, David Licking, Cloverleaf Township, Pennington County; No. 21126, Michael Gasper, Keystone Township, Polk County; No. 21128, Greg Dyrdal, Bray Township, Pennington County; No. 21129, Dan Stroot, Fanny Township, Polk County; No. 21130, Dan Stroot, Belguim Township, Polk County; No. 21131, Briley Sparby, Eckvoll Township, Marshall County; and No. 21132, Badger Township, Polk County. Motion carried.

Administrators Update:

- Manager Ose attended the RRWMB meeting on August 17, 2021 in Wheaton.
- Jesme and Managers Sorenson and Tiedemann attended the August 17th Polk County Commissioners meeting to present the 2020 Annual Report. Jesme and Manager Dwight attended the Beltrami County meeting later that same day.
- Jesme participated in a Red River Basin Watershed District Administrators Coffee Chat Drainage Law initiated by BWSR.
- Staff member Hanson, T. Olson and N. Olson participated in a CRP class hosted by HDR Engineering, Inc.
- The Clearwater River 1W1P Planning Work Group met on August 18th in preparation of the Policy Committee meeting held on August 25, 2021. Managers Sorenson and Anderson attended the meeting in person, with staff members Hanson and Slowinski attending via Microsoft Teams.
- The District received Swingen Constructions Co., IC134 form for construction of the Burnham Creek Wildlife Management Project.

Manager Anderson distributed a handout he received at the Clearwater River 1W1P, RLWD Project No. 149B meeting he attended.

Red Lake Watershed District

August 26, 2021

Page 5 of 5

Legal Counsel Sparby updated the Board on the Ditch 17, RLWD Project No. 179 Summary Judgement Motion. Sparby indicated that a full trial on the Appeal of the project will be scheduled.

Manager Dwight updated the Board on the Beltrami County Commissioners meeting he attended, noting that Commissioner Sumner mentioned including a Tribal Member on the District Board.

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

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for September 8, 2021

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,291.82
online	MN Department of Revenue	Withholding taxes	777.10
online	Public Employees Retirement Assn.	PERA	2,730.37
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	57.38
online	MN Department of Revenue	Withholding taxes	3.01
39022	Robert and Gail Coxen	Permanent and temporary easements-Pine Lake FDR	11,731.60
39023	Michael McKibben	Temporary easement-St. Dt. 83	1,745.96
39024	R.J. Zavoral & Sons, Inc.	Pay est. #11-Black River Impoundment & Final pay-Ditch 10	401,484.79
39025	R. J. Zavoral & Sons, Inc.	Pay estimate #12-Black River Impoundment	272,634.38
39026	Taggart Contracting, Inc.	Pay estimate #2 -Threatt Ring Dike	62,648.39
39027	Ace Hardware	Dewalt Compact drill, Dewalt impact hammer, wrench,(grease& lubes-pjt. 81)	472.26
39028	Austin Audette	Mow lawn July and August	550.00
39029	Brodin Comfort Systems	Filters for furnace and air exchange	202.65
39030	City of Thief River Falls	Electricity, water, sewer, etc.	667.65
39031	Clearwater County Hwy Dept.	24" culvert for Winsor Hangaard Project	955.02
39032	Les Cota	Mow RLWD Ditch 14 area	845.00
39033	Digi-Key Corporation	AA Batteries	41.48
39034	Farmers Union Oil Company	Gas for vehicles	1,147.17
39035	Fleet Supply	40x75 reel	4.77
39036	Further	HSA and FSA account fees	11.00
39037	Hugo's #7	Meeting, building, and water quality supplies	295.92
39038	Landman Publishing, LLC	2022 General Fund Budget hearing ad (2)	124.20
39039	League of MN Cities	Liability and excess liability insurance for 2021-2022	38,305.00
39040	Les's Sanitation, Inc.	Garbage pickup	35.74
39041	Marco	Monthly copier expense	276.47
39042	MN Energy Resources Corp.	Heating expense	20.00
39043	Northdale Oil Inc.	Prepaid car washes for vehicles	99.80
39044	Northland Fire Protection	Annual service/maintenance of fire extinguishers and lighting	233.00
39045	Northwest Beverage, Inc.	H2O for office	16.25
39046	Pennington County Treasurer	Culverts/flapgate-Proj. 60C and 15" flapgates -Proj. 115	1,409.75
39047	Quill Corporation	Copy paper,wireless mouse,sanitizing materials,cleaning materi	219.31
39048	RMB Environmental Laboratories	Lab analysis of water quality samples	549.00
39049	Speedee Delivery	Overnight delivery of water quality samples	28.27
39050	TRF Hardware	Nuts and bolts-water quality equipment	3.35
39051	Thief River Ford	Oil change and tire rotation	82.77
39052	Universal Screenprint	200 vinyl ROW stickers	570.00
39053	Warren Sheaf	2022 General Fund Budget hearing ad (1)	63.00
39054	Widseth Smith Nolting & Assoc., Inc.	Threatt Ring Dike engineering and inspection	5,390.85
39055	Tammy Audette	Clean offices in August	320.00
online	Further	Employee HSA	177.50
online	Blue Cross Blue Shield	Health insurance premium	5,022.00
direct	Brian Dwight	Mileage	324.80
direct	Terry Sorenson	Mileage	159.04
online	Further	Medical FSA	10.00
	Payroll		
	Check #12305-12315		14,759.18
	Total Checks		<u>\$ 831,497.00</u>

Banking

Northern State Bank

Balance as of August 25, 2021	\$ 324,379.05
Total Checks Written	(831,497.00)
Receipt #989996 Transfer in from American Federal Bank	475,000.00
Receipt #989997 Northern State Bank-Monthly interest	64.72
Receipt #990000 Transfer in from American Federal Bank	125,000.00
Receipt #224001 Transfer in from American Federal Bank	200,000.00
Balance as of September 8, 2021	<u>\$ 292,946.77</u>

Current interest rate is .20%

American Federal Bank-Fosston

Balance as of August 25, 2021	\$ 4,084,677.28
Receipt #989995 Clearwater SWCD-Reimburse for Clearwater River 1W1P staff time	2,340.47
Receipt #989996 Transfer to Northern State Bank	(475,000.00)
Receipt #989998 American Federal Bank-Monthly interest	1,951.11
Receipt #989999 Loren/Marjean Sanderson-Reimburse for health and dental insurance	795.45
Receipt #990000 Transfer to Northern State Bank	(125,000.00)
Receipt #224001 Transfer to Northern State Bank	(200,000.00)
Balance as of September 8, 2021	<u>\$ 3,289,764.31</u>

Current interest rate is .50%

2021 GENERAL FUND BUDGET

as of August 31, 2021

(unaudited)

	2021 BUDGET	2021 Exp	(over) under	3rd Qtr Exp.
		TO 8-31-21		
Manager's fees, salaries	40,000.00	15,010.00	24,990.00	30,000.00
Board of Manager's expense	24,200.00	5,574.07	18,625.93	18,150.00
Staff salaries	558,000.00	298,400.25	259,599.75	418,500.00
Payroll taxes	42,687.00	23,435.42	19,251.58	32,015.25
Employee benefits	85,000.00	43,601.48	41,398.52	63,750.00
Travel and meetings(inc. mileage & exp.	5,000.00	636.21	4,363.79	3,750.00
Audit	9,450.00	9,450.00	0.00	7,087.50
Legal	16,000.00	5,314.00	10,686.00	12,000.00
Office supplies	20,000.00	10,374.41	9,625.59	15,000.00
Office equipment	30,000.00	0.00	30,000.00	22,500.00
Appraiser/Viewer Expense	2,000.00	0.00	2,000.00	1,500.00
Professional services	20,000.00	15,621.50	4,378.50	15,000.00
Dues and subscriptions	10,000.00	7,680.00	2,320.00	7,500.00
Insurance and bonds	30,000.00	3,965.00	26,035.00	22,500.00
Repairs and maintenance-Building	15,000.00	6,765.56	8,234.44	11,250.00
Utilities	12,000.00	6,014.34	5,985.66	9,000.00
Advertising and publications	4,000.00	5,024.65	(1,024.65)	3,000.00 *
Telephone	13,000.00	6,342.46	6,657.54	9,750.00
Vehicle expense and maintenance	15,000.00	9,296.53	5,703.47	11,250.00
Engineering supplies	3,000.00	1,947.74	1,052.26	2,250.00
Engineering equipment	40,000.00	7,098.44	32,901.56	30,000.00
Interest	0.00	0.00	0.00	0.00
TOTAL	994,337.00	481,552.06	512,784.94	745,752.75
Less: Overhead	837,000.00	450,779.99	(386,220.01)	627,750.00
Less: Miscellaneous revenue	7,000.00	8,186.42	1,186.42	5,250.00 **
General Fund Budget	150,337.00	22,585.65	127,751.35	112,752.75

		TO 8-31-21
January 1, 2021 Beg. Balance	212,187.05	212,187.05
County levies revenue	0.00	<u>75,168.51</u>
Gross balance with revenue		287,355.56
Less net expenses		<u>(22,585.65)</u>
Subtotal- General Fund w/o interest		264,769.91

Plus interest earned-if allocated to GF 100%		<u>12,898.66</u>
General Fund Balance 8-31-21		<u><u>277,668.57</u></u>

* Ads for engineering staff positions

** Sale of excess property



Invoice Number: 348548

Membership Dues Invoice

Effective during 2021-2022

Red Lake Watershed District

Dues Amount: \$2,045

(Dues amount rounded to nearest dollar.)

Population: N/A

(Population represents the 2020 Census Information.)

Dues are based on your population. See how we calculated your dues at: www.lmc.org/dues

For membership dues in the League of Minnesota Cities for the year beginning September 1, 2021. Annual dues for membership in the League of Minnesota Cities include subscriptions to Minnesota Cities magazine.* Pursuant to the disclosure requirements of Minnesota Statutes, Section 6.76, the proportionate amount of dues spent for lobbying purposes is 11.3%. This percentage is reported to the State Auditor as required by statute.

Payment from Public Funds Authorized by Minn. Stats, Sec. 465.58

I declare under the penalties of law that the foregoing account is just and correct and that no part of it has been paid.

Dated: September 1, 2021

David J. Unmacht
Executive Director, League of Minnesota Cities

Please Remit To:

Finance Department
League of Minnesota Cities
145 University Ave W
St Paul, MN 55103-2044

Include this invoice or reference
invoice #348548 with your
payment.

Questions: billing@lmc.org

*Annual dues include subscriptions to *Minnesota Cities* magazine at \$30 per subscription according to the following schedule based on population: 249 or less, 6; 250-4999, 11; 5000-9999, 15; 10000-19999, 20; 20000-49999, 25; 50000-299999, 30; 300000+, 35. For further information on subscriptions contact the League offices. This information is given in order to meet postal regulations. Please do not use as a basis for payment.

PARTIAL PAYMENT ESTIMATE

Client Project No.
176

HEI Project No.
3655-0091

PAYMENT NUMBER: 13

Project: Black River Impoundment Project

PERIOD OF ESTIMATE:

Location: Bray, Sanders, Polk Centre, & Black River Townships, Pennington Cty

FROM **8/21/2021** TO **9/3/2021**

CONTRACT CHANGE ORDER SUMMARY

ESTIMATE

Change Order		AMOUNT	
NO.	DATE	ADDITIONS	DEDUCTIONS
1	01/15/21	\$51,564.65	
2	05/06/21	\$3,691.44	
3	08/12/21	\$12,993.75	
4	08/16/21	\$4,207.50	
5	08/25/21	\$9,800.00	
TOTALS		\$ 82,257.34	\$ -
NET CHANGE		\$ 82,257.34	

1. Original Contract	\$	4,374,457.66
2. Change Orders	\$	82,257.34
3. Revised Contract (1+2)	\$	4,456,715.00
4. Work Completed*	\$	3,892,541.01
5. Stored Materials*	\$	26,342.29
6. Adjustments*	\$	-
7. Subtotal (4+5+6)	\$	3,918,883.30
8. Retainage 5.00%	\$	195,944.17
9. Previous Payments	\$	3,611,043.09
10. Amount Due (7-8-9)	\$	111,896.05

*Detailed Breakdown Attached if Non-Zero Value

CONTRACT TIME

Completion Date Contract

Original (days)	N/A	On Schedule? Yes	Starting Date: <u>10/23/2020</u>
Revised	N/A		
Remaining	N/A		Final Completion: <u>8/31/2022</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: R.J. Zavoral & Sons, Inc.
 By: *[Signature]*
 Date: 09/07/2021

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: *[Signature]*
 By: Tony A. Nordby
 Date: 9/7/2021

OWNER'S APPROVAL:

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

REMIT PAYMENT TO:

R.J. Zavoral & Sons, Inc.
 1706 Bygland Rd SE
 P.O. Box 435
 East Grand Forks, MN 56721



Client Project No. 176
 HEI Project No. 3655-0091
 Project: Black River Impoundment Project
 Location: Bray, Sanders, Polk Centre, & Black River Townships, Pennington Cty
 Contractor: R.J. Zavoral & Sons, Inc.

PAY ESTIMATE

Page 1 of 3

PAY ESTIMATE #:	13
SUBMITTED:	9/9/2021
BEGIN DATE:	8/21/2021
END DATE:	9/3/2021

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	\$ 100,000.00	\$ 100,000.00		\$ -	1.	\$ 100,000.00	1.	\$ 100,000.00
2101.501	CLEARING AND GRUBBING	Lump Sum	1	\$ 30,000.00	\$ 30,000.00	0.1	\$ 3,000.00	0.8	\$ 24,000.00	0.9	\$ 27,000.00
2104.502	SALVAGE SIGN	Each	7	\$ 225.00	\$ 1,575.00		\$ -		\$ -		\$ -
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	Lin. Ft.	496	\$ 2.25	\$ 1,116.00		\$ -	511.	\$ 1,149.75	511.	\$ 1,149.75
2104.503	REMOVE PIPE CULVERTS	Lin. Ft.	1,445	\$ 10.00	\$ 14,450.00		\$ -	1,396.	\$ 13,960.00	1,396.	\$ 13,960.00
2104.503	SALVAGE AND INSTALL PIPE CULVERT	Lin. Ft.	110	\$ 95.00	\$ 10,450.00		\$ -	110.	\$ 10,450.00	110.	\$ 10,450.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SY	1,304	\$ 7.80	\$ 10,171.20		\$ -	1,133.	\$ 8,837.40	1,133.	\$ 8,837.40
2105.507	COMMON EXCAVATION (P)	C.Y.	286,438	\$ 1.78	\$ 509,859.64	13,477.	\$ 23,989.06	211,453.	\$ 376,386.34	224,930.	\$ 400,375.40
2105.601	DEWATERING	Lump Sum	1	\$ 14,905.00	\$ 14,905.00		\$ -	0.25	\$ 3,726.25	0.25	\$ 3,726.25
2105.602	TEST HOLE	Each	10	\$ 265.00	\$ 2,650.00		\$ -	10.	\$ 2,650.00	10.	\$ 2,650.00
2105.607	TOPSOIL EXCAVATION (P)	C.Y.	211,673	\$ 1.75	\$ 370,427.75	15,015.	\$ 26,276.25	150,868.	\$ 264,019.00	165,883.	\$ 290,295.25
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	557,799	\$ 2.63	\$ 1,467,011.37		\$ -	557,799.	\$ 1,467,011.37	557,799.	\$ 1,467,011.37
2112.601	SUBGRADE PREPARATION (CV) (P)	C.Y.	61,542	\$ 2.00	\$ 123,084.00		\$ -	61,542.	\$ 123,084.00	61,542.	\$ 123,084.00
2118.509	AGGREGATE SURFACING CLASS 1	Ton	249	\$ 15.00	\$ 3,735.00		\$ -	17.	\$ 255.00	17.	\$ 255.00
2123.510	DOZER	Hour	46	\$ 145.00	\$ 6,670.00		\$ -	15.	\$ 2,175.00	15.	\$ 2,175.00
2123.610	CRAWLER MOUNTED BACKHOE	Hour	14	\$ 175.00	\$ 2,450.00		\$ -	3.	\$ 525.00	3.	\$ 525.00
2211.509	AGGREGATE BASE CLASS 5	Ton	1,602	\$ 14.25	\$ 22,828.50		\$ -	837.	\$ 11,927.25	837.	\$ 11,927.25
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	Ton	330	\$ 105.00	\$ 34,650.00		\$ -	280.62	\$ 29,465.10	280.62	\$ 29,465.10
2411.601	CONCRETE OUTLET STRUCTURE	Each	1	\$ 195,000.00	\$ 195,000.00		\$ -	1.	\$ 195,000.00	1.	\$ 195,000.00
2411.607	CONCRETE PIPE CRADLE	C.Y.	43	\$ 1,230.00	\$ 52,890.00		\$ -	47.	\$ 57,810.00	47.	\$ 57,810.00
2412.502	12X5 PRECAST CONCRETE END SECTION	Each	2	\$ 8,070.00	\$ 16,140.00		\$ -	2.	\$ 16,140.00	2.	\$ 16,140.00
2412.502	14X7 PRECAST CONCRETE END SECTION (TYPE III)	Each	2	\$ 17,615.00	\$ 35,230.00		\$ -	2.	\$ 35,230.00	2.	\$ 35,230.00
2412.503	12X5 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	62	\$ 950.00	\$ 58,900.00		\$ -	62.	\$ 58,900.00	62.	\$ 58,900.00
2412.503	14X7 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	90	\$ 1,130.00	\$ 101,700.00		\$ -	90.	\$ 101,700.00	90.	\$ 101,700.00
2451.507	GRANULAR BACKFILL (CV) (P)	C.Y.	727	\$ 21.50	\$ 15,630.50		\$ -	727.	\$ 15,630.50	727.	\$ 15,630.50
2451.507	GRANULAR BEDDING (CV) (P)	C.Y.	1,573	\$ 21.50	\$ 33,819.50		\$ -	1,435.	\$ 30,852.50	1,435.	\$ 30,852.50
2452.618	VINYL SHEET PILING	SQ. FT.	8,250	\$ 9.50	\$ 78,375.00		\$ -		\$ -		\$ -
2501.502	18" GS APRON	Each	4	\$ 150.00	\$ 600.00	2.	\$ 300.00	2.	\$ 300.00	4.	\$ 600.00
2501.502	24" GS APRON	Each	2	\$ 200.00	\$ 400.00		\$ -		\$ -		\$ -
2501.502	36" GS APRON	Each	2	\$ 430.00	\$ 860.00		\$ -		\$ -		\$ -
2501.502	60" RC PIPE APRON	Each	2	\$ 2,300.00	\$ 4,600.00		\$ -	2.	\$ 4,600.00	2.	\$ 4,600.00
2501.502	FLAP GATE FOR 18" CS PIPE CULVERT	Each	33	\$ 615.00	\$ 20,295.00	1.	\$ 615.00	22.	\$ 13,530.00	23.	\$ 14,145.00
2501.502	FLAP GATE FOR 24" CS PIPE CULVERT	Each	6	\$ 680.00	\$ 4,080.00		\$ -	4.	\$ 2,720.00	4.	\$ 2,720.00
2501.502	FLAP GATE FOR 36" CS PIPE CULVERT	Each	1	\$ 1,000.00	\$ 1,000.00		\$ -		\$ -		\$ -
2501.502	35" SPAN GS PIPE-ARCH APRON	Each	6	\$ 355.00	\$ 2,130.00		\$ -	6.	\$ 2,130.00	6.	\$ 2,130.00
2501.502	42" SPAN GS PIPE-ARCH APRON	Each	8	\$ 470.00	\$ 3,760.00		\$ -	8.	\$ 3,760.00	8.	\$ 3,760.00
2501.502	57" SPAN GS PIPE-ARCH APRON	Each	4	\$ 965.00	\$ 3,860.00		\$ -	4.	\$ 3,860.00	4.	\$ 3,860.00
2501.502	64" SPAN GS PIPE-ARCH APRON	Each	6	\$ 1,170.00	\$ 7,020.00		\$ -	6.	\$ 7,020.00	6.	\$ 7,020.00
2501.502	71" SPAN GS PIPE-ARCH APRON	Each	10	\$ 1,470.00	\$ 14,700.00		\$ -	10.	\$ 14,700.00	10.	\$ 14,700.00
2501.502	73" SPAN GS PIPE-ARCH APRON	Each	8	\$ 2,300.00	\$ 18,400.00		\$ -	8.	\$ 18,400.00	8.	\$ 18,400.00
2501.502	65" SPAN RC PIPE-ARCH APRON	Each	2	\$ 2,100.00	\$ 4,200.00		\$ -	2.	\$ 4,200.00	2.	\$ 4,200.00
2501.503	18" CS PIPE CULVERT	Lin. Ft.	1,474	\$ 30.00	\$ 44,220.00	122.	\$ 3,660.00	918.	\$ 27,540.00	1,040.	\$ 31,200.00
2501.503	24" CS PIPE CULVERT	Lin. Ft.	328	\$ 35.00	\$ 11,480.00		\$ -	210.	\$ 7,350.00	210.	\$ 7,350.00
2501.503	36" CS PIPE CULVERT	Lin. Ft.	72	\$ 54.00	\$ 3,888.00		\$ -		\$ -		\$ -
2501.503	35" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	132	\$ 53.00	\$ 6,996.00		\$ -	132.	\$ 6,996.00	132.	\$ 6,996.00



Client Project No. 176
 HEI Project No. 3655-0091
 Project: *Black River Impoundment Project*
 Location: *Bray, Sanders, Polk Centre, & Black River Townships, Pennington Cty*
 Contractor: *R.J. Zavoral & Sons, Inc.*

PAY ESTIMATE

PAY ESTIMATE #:	13
SUBMITTED:	9/9/2021
BEGIN DATE:	8/21/2021
END DATE:	9/3/2021

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2501.503	42" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	172	\$ 60.00	\$ 10,320.00		\$ -	172.	\$ 10,320.00	172.	\$ 10,320.00
2501.503	57" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	78	\$ 85.00	\$ 6,630.00		\$ -	78.	\$ 6,630.00	78.	\$ 6,630.00
2501.503	64" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	136	\$ 115.00	\$ 15,640.00		\$ -	136.	\$ 15,640.00	136.	\$ 15,640.00
2501.503	71" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	300	\$ 140.00	\$ 42,000.00		\$ -	300.	\$ 42,000.00	300.	\$ 42,000.00
2501.503	73" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	158	\$ 130.00	\$ 20,540.00		\$ -	158.	\$ 20,540.00	158.	\$ 20,540.00
2501.503	87" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	170	\$ 160.00	\$ 27,200.00		\$ -	92.	\$ 14,720.00	92.	\$ 14,720.00
2501.503	103" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	159	\$ 190.00	\$ 30,210.00		\$ -	160.	\$ 30,400.00	160.	\$ 30,400.00
2501.503	117" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	68	\$ 225.00	\$ 15,300.00		\$ -	68.	\$ 15,300.00	68.	\$ 15,300.00
2501.503	142" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	134	\$ 355.00	\$ 47,570.00		\$ -	134.	\$ 47,570.00	134.	\$ 47,570.00
2501.503	65" SPAN RC PIPE-ARCH CULVERT	Lin. Ft.	76	\$ 230.00	\$ 17,480.00		\$ -	76.	\$ 17,480.00	76.	\$ 17,480.00
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS II	Lin. Ft.	82	\$ 215.00	\$ 17,630.00		\$ -	82.	\$ 17,630.00	82.	\$ 17,630.00
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS III	Lin. Ft.	52	\$ 235.00	\$ 12,220.00		\$ -	52.	\$ 12,220.00	52.	\$ 12,220.00
2501.602	PLUG AND ABANDON PIPE CULVERT	Each	8	\$ 775.00	\$ 6,200.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS II	C.Y.	259	\$ 95.00	\$ 24,605.00	62.	\$ 5,890.00	129.	\$ 12,255.00	191.	\$ 18,145.00
2511.507	RANDOM RIPRAP CLASS III	C.Y.	3,941	\$ 95.00	\$ 374,395.00	569.	\$ 54,055.00	2,476.	\$ 235,220.00	3,045.	\$ 289,275.00
2563.601	TRAFFIC CONTROL	Lump Sum	1	\$ 25,000.00	\$ 25,000.00		\$ -	0.5	\$ 12,500.00	0.5	\$ 12,500.00
2573.501	STABILIZED CONSTRUCTION EXIT	Lump Sum	1	\$ 3,500.00	\$ 3,500.00		\$ -		\$ -		\$ -
2573.503	SILT FENCE TYPE MS	Lin. Ft.	2,020	\$ 1.20	\$ 2,424.00		\$ -	673.	\$ 807.60	673.	\$ 807.60
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	Lin. Ft.	370	\$ 5.00	\$ 1,850.00		\$ -		\$ -		\$ -
2573.503	FLOTATION SILT CURTAIN TYPE WORK AREA	Lin. Ft.	120	\$ 20.00	\$ 2,400.00		\$ -		\$ -		\$ -
2573.607	ROCK DITCH CHECK	C.Y.	114	\$ 120.00	\$ 13,680.00		\$ -	38.	\$ 4,560.00	38.	\$ 4,560.00
2574.508	FERTILIZER, TYPE 1	Pound	53,876	\$ 0.45	\$ 24,244.20		\$ -	31,240.	\$ 14,058.00	31,240.	\$ 14,058.00
2575.504	RAPID STABILIZATION METHOD 4	S.Y.	1,983	\$ 1.10	\$ 2,181.30		\$ -	1,994.	\$ 2,193.40	1,994.	\$ 2,193.40
2575.504	EROSION CONTROL BLANKET CATEGORY 3	S.Y.	5,999	\$ 1.00	\$ 5,999.00		\$ -		\$ -		\$ -
2575.505	SEEDING	Acre	289.6	\$ 100.00	\$ 28,960.00		\$ -	156.2	\$ 15,620.00	156.2	\$ 15,620.00
2575.505	DISK ANCHORING	Acre	289.6	\$ 20.00	\$ 5,792.00		\$ -	214.1	\$ 4,282.00	214.1	\$ 4,282.00
2575.508	SEED MIXTURE 22-111	Pound	8,833	\$ 2.50	\$ 22,082.50		\$ -	4,764.1	\$ 11,910.25	4,764.1	\$ 11,910.25
2575.508	SEED MIXTURE 25-141	Pound	17,086	\$ 3.00	\$ 51,258.00		\$ -	9,215.8	\$ 27,647.40	9,215.8	\$ 27,647.40
2575.509	MULCH MATERIAL TYPE 1	Ton	579.2	\$ 85.00	\$ 49,232.00		\$ -	370.3	\$ 31,475.50	370.3	\$ 31,475.50
2582.503	4" SOLID LINE PAINT (WHITE)	Lin. Ft.	686	\$ 2.20	\$ 1,509.20		\$ -		\$ -		\$ -
2582.503	4" BROKEN LINE PAINT (YELLOW)	Lin. Ft.	90	\$ 2.20	\$ 198.00		\$ -		\$ -		\$ -
Extra / Change Order Items											
2101.601	CLEARING AND GRUBBING	Acre	3.5	\$ 2,480.00	\$ 8,680.00		\$ -	3.5	\$ 8,680.00	3.5	\$ 8,680.00
2105.507	COMMON EXCAVATION (LEVEE)	C.Y.	2,852	\$ 2.50	\$ 7,130.00		\$ -	2,852.	\$ 7,130.00	2,852.	\$ 7,130.00
2105.507	COMMON EXCAVATION (CHURCH AREA)	C.Y.	6,140	\$ 5.20	\$ 31,928.00		\$ -	6,140.	\$ 31,928.00	6,140.	\$ 31,928.00
2105.507	COMMON EXCAVATION (P) (Co Road 68 Diversion Ditch Modification)	C.Y.	1,870	\$ 2.25	\$ 4,207.50		\$ -	1,870.	\$ 4,207.50	1,870.	\$ 4,207.50
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	1,455	\$ 2.63	\$ 3,826.65		\$ -	1,455.	\$ 3,826.65	1,455.	\$ 3,826.65
2452.618	VINYL SHEET PILING (EXCAVATED METHOD)	Sq. Ft.	5,775	\$ 11.75	\$ 67,856.25		\$ -	2,070.	\$ 24,322.50	2,070.	\$ 24,322.50
2452.618	VINYL SHEET PILING	Sq. Ft.	-5,775	\$ 9.50	\$ (54,862.50)		\$ -		\$ -		\$ -
2501.502	INSTALL 71" SPAN GS PIPE-ARCH APRON	Each	2	\$ 467.97	\$ 935.94		\$ -	2.	\$ 935.94	2.	\$ 935.94
2501.503	INSTALL 71" SPAN GS PIPE-ARCH CULVERT	Lin. Ft.	50	\$ 55.11	\$ 2,755.50		\$ -	50.	\$ 2,755.50	50.	\$ 2,755.50
2501.503	71" SPAN CS STRUCTURAL PLATE-ARCH CULVERT	Lin. Ft.	28	\$ 350.00	\$ 9,800.00		\$ -		\$ -		\$ -
Totals											
					Original Contract Amount	\$ 4,374,457.66					
					Extra / Change Order Amount	\$ 82,257.34					



Client Project No. 176
 HEI Project No. 3655-0091
 Project: Black River Impoundment Project (WQ items)
 Location: Bray, Sanders, Polk Centre, & Black River Townships, Pennington Cty
 Contractor: R.J. Zavoral & Sons, Inc.

PAY ESTIMATE

PAY ESTIMATE #:	13
SUBMITTED:	9/9/2021
BEGIN DATE:	8/21/2021
END DATE:	9/3/2021

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	\$ 100,000.00	\$ 100,000.00		\$ -		\$ -		\$ -
2101.501	CLEARING AND GRUBBING	Lump Sum	1	\$ 30,000.00	\$ 30,000.00		\$ -		\$ -		\$ -
2104.502	SALVAGE SIGN	Each	7	\$ 225.00	\$ 1,575.00		\$ -		\$ -		\$ -
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	Lin. Ft.	496	\$ 2.25	\$ 1,116.00		\$ -		\$ -		\$ -
2104.503	REMOVE PIPE CULVERTS	Lin. Ft.	1,445	\$ 10.00	\$ 14,450.00		\$ -		\$ -		\$ -
2104.503	SALVAGE AND INSTALL PIPE CULVERT	Lin. Ft.	110	\$ 95.00	\$ 10,450.00		\$ -		\$ -		\$ -
2104.504	REMOVE BITUMINOUS PAVEMENT	SY	1,304	\$ 7.80	\$ 10,171.20		\$ -		\$ -		\$ -
2105.507	COMMON EXCAVATION (P)	C.Y.	286,438	\$ 1.78	\$ 509,859.64		\$ -		\$ -		\$ -
2105.601	DEWATERING	Lump Sum	1	\$ 14,905.00	\$ 14,905.00		\$ -		\$ -		\$ -
2105.602	TEST HOLE	Each	10	\$ 265.00	\$ 2,650.00		\$ -		\$ -		\$ -
2105.607	TOPSOIL EXCAVATION (P)	C.Y.	211,673	\$ 1.75	\$ 370,427.75		\$ -		\$ -		\$ -
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	557,799	\$ 2.63	\$ 1,467,011.37		\$ -		\$ -		\$ -
2112.601	SUBGRADE PREPARATION (CV) (P)	C.Y.	61,542	\$ 2.00	\$ 123,084.00		\$ -		\$ -		\$ -
2118.509	AGGREGATE SURFACING CLASS 1	Ton	249	\$ 15.00	\$ 3,735.00		\$ -		\$ -		\$ -
2123.510	DOZER	Hour	46	\$ 145.00	\$ 6,670.00		\$ -		\$ -		\$ -
2123.610	CRAWLER MOUNTED BACKHOE	Hour	14	\$ 175.00	\$ 2,450.00		\$ -		\$ -		\$ -
2211.509	AGGREGATE BASE CLASS 5	Ton	1,602	\$ 14.25	\$ 22,828.50		\$ -		\$ -		\$ -
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	Ton	330	\$ 105.00	\$ 34,650.00		\$ -		\$ -		\$ -
2411.601	CONCRETE OUTLET STRUCTURE	Each	1	\$ 195,000.00	\$ 195,000.00		\$ -		\$ -		\$ -
2411.607	CONCRETE PIPE CRADLE	C.Y.	43	\$ 1,230.00	\$ 52,890.00		\$ -		\$ -		\$ -
2412.502	12X5 PRECAST CONCRETE END SECTION	Each	2	\$ 8,070.00	\$ 16,140.00		\$ -		\$ -		\$ -
2412.502	14X7 PRECAST CONCRETE END SECTION (TYPE III)	Each	2	\$ 17,615.00	\$ 35,230.00		\$ -		\$ -		\$ -
2412.503	12X5 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	62	\$ 950.00	\$ 58,900.00		\$ -		\$ -		\$ -
2412.503	14X7 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	90	\$ 1,130.00	\$ 101,700.00		\$ -		\$ -		\$ -
2451.507	GRANULAR BACKFILL (CV) (P)	C.Y.	727	\$ 21.50	\$ 15,630.50		\$ -		\$ -		\$ -
2451.507	GRANULAR BEDDING (CV) (P)	C.Y.	1,573	\$ 21.50	\$ 33,819.50		\$ -		\$ -		\$ -
2452.618	VINYL SHEET PILING	SQ. FT.	8,250	\$ 9.50	\$ 78,375.00		\$ -		\$ -		\$ -
2501.502	18" GS APRON	Each	4	\$ 150.00	\$ 600.00		\$ -		\$ -		\$ -
2501.502	24" GS APRON	Each	2	\$ 200.00	\$ 400.00		\$ -		\$ -		\$ -
2501.502	36" GS APRON	Each	2	\$ 430.00	\$ 860.00		\$ -		\$ -		\$ -
2501.502	60" RC PIPE APRON	Each	2	\$ 2,300.00	\$ 4,600.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 18" CS PIPE CULVERT	Each	33	\$ 615.00	\$ 20,295.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 24" CS PIPE CULVERT	Each	6	\$ 680.00	\$ 4,080.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 36" CS PIPE CULVERT	Each	1	\$ 1,000.00	\$ 1,000.00		\$ -		\$ -		\$ -
2501.502	35" SPAN GS PIPE-ARCH APRON	Each	6	\$ 355.00	\$ 2,130.00		\$ -		\$ -		\$ -
2501.502	42" SPAN GS PIPE-ARCH APRON	Each	8	\$ 470.00	\$ 3,760.00		\$ -		\$ -		\$ -
2501.502	57" SPAN GS PIPE-ARCH APRON	Each	4	\$ 965.00	\$ 3,860.00		\$ -		\$ -		\$ -
2501.502	64" SPAN GS PIPE-ARCH APRON	Each	6	\$ 1,170.00	\$ 7,020.00		\$ -		\$ -		\$ -
2501.502	71" SPAN GS PIPE-ARCH APRON	Each	10	\$ 1,470.00	\$ 14,700.00		\$ -		\$ -		\$ -
2501.502	73" SPAN GS PIPE-ARCH APRON	Each	8	\$ 2,300.00	\$ 18,400.00		\$ -		\$ -		\$ -
2501.502	65" SPAN RC PIPE-ARCH APRON	Each	2	\$ 2,100.00	\$ 4,200.00		\$ -		\$ -		\$ -
2501.503	18" CS PIPE CULVERT	Lin. Ft.	1,474	\$ 30.00	\$ 44,220.00		\$ -	680.	\$ 20,400.00	680.	\$ 20,400.00
2501.503	24" CS PIPE CULVERT	Lin. Ft.	328	\$ 35.00	\$ 11,480.00		\$ -	152.	\$ 5,320.00	152.	\$ 5,320.00
2501.503	36" CS PIPE CULVERT	Lin. Ft.	72	\$ 54.00	\$ 3,888.00		\$ -		\$ -		\$ -
2501.503	35" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	132	\$ 53.00	\$ 6,996.00		\$ -		\$ -		\$ -



Client Project No. 176
 HEI Project No. 3655-0091
 Project: Black River Impoundment Project (WQ items)
 Location: Bray, Sanders, Polk Centre, & Black River Townships, Pennington Cty
 Contractor: R.J. Zavoral & Sons, Inc.

PAY ESTIMATE

PAY ESTIMATE #:	13
SUBMITTED:	9/9/2021
BEGIN DATE:	8/21/2021
END DATE:	9/3/2021

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2501.503	42" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	172	\$ 60.00	\$ 10,320.00		\$ -		\$ -		\$ -
2501.503	57" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	78	\$ 85.00	\$ 6,630.00		\$ -		\$ -		\$ -
2501.503	64" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	136	\$ 115.00	\$ 15,640.00		\$ -		\$ -		\$ -
2501.503	71" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	300	\$ 140.00	\$ 42,000.00		\$ -		\$ -		\$ -
2501.503	73" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	158	\$ 130.00	\$ 20,540.00		\$ -		\$ -		\$ -
2501.503	87" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	170	\$ 160.00	\$ 27,200.00		\$ -		\$ -		\$ -
2501.503	103" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	159	\$ 190.00	\$ 30,210.00		\$ -		\$ -		\$ -
2501.503	117" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	68	\$ 225.00	\$ 15,300.00		\$ -		\$ -		\$ -
2501.503	142" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	134	\$ 355.00	\$ 47,570.00		\$ -		\$ -		\$ -
2501.503	65" SPAN RC PIPE-ARCH CULVERT	Lin. Ft.	76	\$ 230.00	\$ 17,480.00		\$ -		\$ -		\$ -
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS II	Lin. Ft.	82	\$ 215.00	\$ 17,630.00		\$ -		\$ -		\$ -
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS III	Lin. Ft.	52	\$ 235.00	\$ 12,220.00		\$ -		\$ -		\$ -
2501.602	PLUG AND ABANDON PIPE CULVERT	Each	8	\$ 775.00	\$ 6,200.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS II	C.Y.	259	\$ 95.00	\$ 24,605.00		\$ -	101.	\$ 9,595.00	101.	\$ 9,595.00
2511.507	RANDOM RIPRAP CLASS III	C.Y.	3,941	\$ 95.00	\$ 374,395.00	569.	\$ 54,055.00	1,743.	\$ 165,585.00	2,312.	\$ 219,640.00
2563.601	TRAFFIC CONTROL	Lump Sum	1	\$ 25,000.00	\$ 25,000.00		\$ -		\$ -		\$ -
2573.501	STABILIZED CONSTRUCTION EXIT	Lump Sum	1	\$ 3,500.00	\$ 3,500.00		\$ -		\$ -		\$ -
2573.503	SILT FENCE TYPE MS	Lin. Ft.	2,020	\$ 1.20	\$ 2,424.00		\$ -		\$ -		\$ -
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	Lin. Ft.	370	\$ 5.00	\$ 1,850.00		\$ -		\$ -		\$ -
2573.503	FLOTATION SILT CURTAIN TYPE WORK AREA	Lin. Ft.	120	\$ 20.00	\$ 2,400.00		\$ -		\$ -		\$ -
2573.607	ROCK DITCH CHECK	C.Y.	114	\$ 120.00	\$ 13,680.00		\$ -		\$ -		\$ -
2574.508	FERTILIZER, TYPE 1	Pound	53,876	\$ 0.45	\$ 24,244.20		\$ -		\$ -		\$ -
2575.504	RAPID STABILIZATION METHOD 4	S.Y.	1,983	\$ 1.10	\$ 2,181.30		\$ -		\$ -		\$ -
2575.504	EROSION CONTROL BLANKET CATEGORY 3	S.Y.	5,999	\$ 1.00	\$ 5,999.00		\$ -		\$ -		\$ -
2575.505	SEEDING	Acre	289.6	\$ 100.00	\$ 28,960.00		\$ -		\$ -		\$ -
2575.505	DISK ANCHORING	Acre	289.6	\$ 20.00	\$ 5,792.00		\$ -		\$ -		\$ -
2575.508	SEED MIXTURE 22-111	Pound	8,833	\$ 2.50	\$ 22,082.50		\$ -		\$ -		\$ -
2575.508	SEED MIXTURE 25-141	Pound	17,086	\$ 3.00	\$ 51,258.00		\$ -		\$ -		\$ -
2575.509	MULCH MATERIAL TYPE 1	Ton	579.2	\$ 85.00	\$ 49,232.00		\$ -		\$ -		\$ -
2582.503	4" SOLID LINE PAINT (WHITE)	Lin. Ft.	686	\$ 2.20	\$ 1,509.20		\$ -		\$ -		\$ -
2582.503	4" BROKEN LINE PAINT (YELLOW)	Lin. Ft.	90	\$ 2.20	\$ 198.00		\$ -		\$ -		\$ -
Extra / Change Order Items											
2101.601	CLEARING AND GRUBBING	Acre	3.5	\$ 2,480.00	\$ 8,680.00		\$ -	3.5	\$ 8,680.00	3.5	\$ 8,680.00
2105.507	COMMON EXCAVATION (LEVEE)	C.Y.	2,852	\$ 2.50	\$ 7,130.00		\$ -	2,852.	\$ 7,130.00	2,852.	\$ 7,130.00
2105.507	COMMON EXCAVATION (CHURCH AREA)	C.Y.	6,140	\$ 5.20	\$ 31,928.00		\$ -	6,140.	\$ 31,928.00	6,140.	\$ 31,928.00
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	1,455	\$ 2.63	\$ 3,826.65		\$ -	1,455.	\$ 3,826.65	1,455.	\$ 3,826.65
2452.618	Vinyl Sheet Piling (Excavated Method)	Sq. Ft.	5,775	\$ 11.75	\$ 67,856.25		\$ -		\$ -		\$ -
2452.618	Vinyl Sheet Piling	Sq. Ft.	-5,775	\$ 9.50	\$ (54,862.50)		\$ -		\$ -		\$ -
2501.502	INSTALL 71" SPAN GS PIPE-ARCH APRON	Each	2	\$ 467.97	\$ 935.94		\$ -		\$ -		\$ -
2501.503	INSTALL 71" SPAN GS PIPE-ARCH CULVERT	Lin. Ft.	50	\$ 55.11	\$ 2,755.50		\$ -		\$ -		\$ -
Totals											
					Original Contract Amount	\$ 4,374,457.66					
					Extra / Change Order Amount	\$ 68,249.84					
							Work Completed	\$ 54,055.00	\$ 200,900.00	\$ 254,955.00	

Red Lake County SWCD
2602 Wheat Drive – Suite 103
Red Lake Falls, MN 56750

September 02, 2021

Myron Jesme, Administrator
Red Lake Watershed District
1000 Pennington Avenue
Thief River Falls, MN 56701

Red Lake County SWCD would like to request \$2,000.00, from the Red Lake Watershed District, for the installation of three Grade Stabilization Projects in Red Lake County.

The project that needs local assistance is located in Poplar River Township Section 6. Houston Engineering has completed the survey and final design work for these projects. The landowner sent out two bid packets. The Red Lake County SWCD Board of Supervisors authorized the District Manager to approve the smallest bid received at the August 19th board meeting as long as the bid was below the Engineer's Cost Bid estimate. Ryan's Backhoe Service, LLC received the bid in the amount of \$13,600.20.

The Red Lake County SWCD would like to request \$2,000.00 from the Red Lake Watershed District to assist with the local match requirement for these projects. The total project cost was \$13,600.20. Red Lake County SWCD provided funds from the 2019 & 2020 SWCD Local Capacity grant to fund these projects. The local match requirement is \$3,400.05. The property owner will be in charge of paying \$1,400.05; if the Red Lake Watershed District approves the \$2,000.00 request.

If you have any questions please give me a call at (218)253-2593.

Thank you,

Tanya Waldo, District Manager
Red Lake County SWCD

**RANDY MYHRE GRADE STABILIZATION PROJECTS
SECTION 6 POPLAR TWP.
OPINION OF PROBABLE COST
RED LAKE COUNTY SWCD**

8/12/2021

Bid Item No.	Description	Unit of Measure	Contract Quantity	Unit Price (\$)	Contract Amount (\$)
2021.501	MOBILIZATION	LUMP SUM	1	\$1,500.00	\$1,500.00
2105.507	COMMON BORROW (P) (CV)	C.Y.	166	\$12.00	\$1,992.00
2451.507	GRANULAR BEDDING (P) (CV)	C.Y.	13	\$30.00	\$390.00
2503.503	18" CP PIPE SEWER (SMOOTH)	LIN. FT.	124	\$38.00	\$4,712.00
2503.601	24" CP PIPE RISER (SMOOTH)	LIN. FT.	11	\$140.00	\$1,540.00
2503.602	24" ANTI-VORTEX TRASH RACK	EACH	2	\$1,000.00	\$2,000.00
2511.507	RANDOM RIPRAP, CLASS II	C.Y.	34	\$100.00	\$3,400.00
2575.501	TURF ESTABLISHMENT	LUMP SUM	1	\$2,000.00	\$2,000.00
Total Construction Cost =					\$17,534.00
Contingencies (5%) =					\$880.00
TOTAL CONSTRUCTION COST =					\$18,414.00

**RANDY MYHRE GRADE STABILIZATION PROJECTS
SECTION 6 POPLAR RIVER TWP.
BID FORM
RED LAKE COUNTY SWCD**

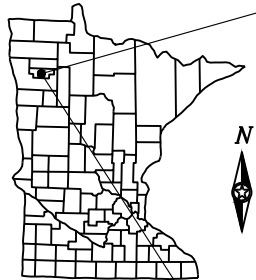
Bid Item No.	Description	Unit of Measure	Contract Quantity	Unit Price (\$)	Contract Amount (\$)
2021.501	MOBILIZATION	LUMP SUM	1		
2105.507	COMMON BORROW (P) (CV)	C.Y.	166		
2451.507	GRANULAR BEDDING (P) (CV)	C.Y.	13		
2503.503	18" CP PIPE SEWER (SMOOTH)	LIN. FT.	124		
2503.601	24" CP PIPE RISER (SMOOTH)	LIN. FT.	11		
2503.602	24" ANTI-VORTEX TRASH RACK	EACH	2		
2511.507	RANDOM RIPRAP, CLASS II	C.Y.	34		
2575.501	TURF ESTABLISHMENT	LUMP SUM	1		
Total Bid Amount =					

CONSTRUCTION PLANS FOR RED LAKE COUNTY SWCD RANDY MYHRE GRADE STABILIZATION PROJECTS

SECTION 6, POPLAR RIVER TWP, RED LAKE COUNTY
AUGUST, 2021



125 3rd STREET E
THIEF RIVER FALLS, MN 56701
P: 218.681.2951
www.houstoneng.com



LOCATION MAP

SHEET INDEX

- 1 COVER SHEET
- 2 QUANTITIES
- 3 RISER DETAILS AND ELEVATIONS
- 5-7 PLAN AND PROFILES

GOVERNING SPECIFICATIONS:

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

UTILITY NOTE:

UNDERGROUND UTILITIES WERE NOT LOCATED AS PART OF THE PRELIMINARY SURVEY OR DATA GATHERING FOR THIS SITE.

STATE LAW REQUIRES THE EXCAVATOR TO CONTACT GOPHER STATE ONE-CALL AT (800) 252-1166 FOR UTILITY LOCATION 48 HOURS PRIOR TO START OF EXCAVATION WORK.

HORIZONTAL AND VERTICAL CONTROL

- ALL COORDINATES LISTED IN THIS PLAN ARE MNDOT, RED LAKE COUNTY, U.S. FOOT
- ALL ELEVATIONS ARE NAVD 88 DATUM

TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, JUDGEMENT, AND BELIEF, THESE PLANS MEET APPLICABLE NRCS STANDARDS.

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

Tony A. Nordby

Tony A. Nordby
License No. 51392

Date: 8/12/21

H:\BNA\10861\10861-0001\10861-0001\Myhres\CAD\Myhres_RLC_SWCD_CoverSheet.dwg COVER SHEET-8/12/2021 3:59 PM (kllaagan)

H:\BNA\10800\10861\10861_0001[Randy Myhrer's]CAD\Myhrer's\RC_SWCD_Cover Sheet.dwg-QUANTITIES-8/13/2021 9:31 AM-(kflaggan)

STATEMENT OF ESTIMATED QUANTITIES				
NOTES	ITEM NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
	2021.501	MOBILIZATION	LUMP SUM	1
(1) (2)	2105.507	COMMON BORROW (P) (CV)	C.Y.	166
(1) (2)	2451.507	GRANULAR BEDDING (P) (CV)	C.Y.	13
	2503.503	18" CP PIPE SEWER (SMOOTH)	LIN. FT.	124
(6)	2503.503	24" CP PIPE RISER (SMOOTH)	LIN. FT.	11
	2503.602	24" ANTI VORTEX TRASH RACK	EACH	2
(3)	2511.507	RANDOM RIPRAP, CLASS II	C.Y.	34
(4)	2575.501	TURF ESTABLISHMENT	LUMP SUM	1

STANDARD PLATES	
THE FOLLOWING MN/DOT STANDARD PLATES, AS APPROVED BY THE FHWA, SHALL APPLY.	
3040F	CORRUGATED METAL PIPE CULVERT (STANDARD 2-2/3"x1/2" CORRUGATION)
3221D	CORRUGATED STEEL PIPE COUPLING BAND

BASIS OF ESTIMATED QUANTITIES	
SEED, MIXTURE 25-141	59 LB PLS/ACRE
SEED, MIXTURE 21-112	25 LB PLS/ACRE
MULCH MATERIAL, TYPE 1	2 TON/ACRE
FERTILIZER, TYPE 1 (20-20-10)	250 LB/ACRE

CONSTRUCTION NOTES:

- (1) (P) DENOTES A PLAN QUANTITY ITEM WITH NO ADDITIONAL COMPENSATION MADE. (CV) DENOTES COMPACTED VOLUME.
- (2) ITEM NO. 2105.507 "COMMON BORROW (CV) (P)" INCLUDES THE ESTIMATED QUANTITY FOR CONSTRUCTING THE DIKES TO THE PROFILE, TOP WIDTH, AND SLOPES AS SHOWN IN THE PLAN ON SHEETS 5 THROUGH 11. THE COMMON BORROW MATERIAL FOR THE DIKE SHALL BE SUPPLIED BY THE CONTRACTOR. SEE SPECIAL PROVISIONS FOR MORE DETAIL.
- (3) ITEM NO. 2511.507 "RANDOM RIPRAP, CLASS II" SHALL BE FOR CONSTRUCTION OF THE INLET AND OUTLET PROTECTION FOR THE RISER STRUCTURES AND PIPE OUTLETS. GEOTEXTILE FABRIC TYPE III SHALL BE PLACED UNDER ALL RIPRAP AND IS CONSIDERED INCIDENTAL TO ITEM NO. 2511.507 "RANDOM RIPRAP, CLASS II" AND NO ADDITIONAL COMPENSATION WILL BE MADE THEREOF. EXCAVATION FOR INSTALLATION OF RIPRAP IS CONSIDERED INCIDENTAL TO ITEM NO. 2511.507 "RANDOM RIPRAP, CLASS II" AND NO ADDITIONAL COMPENSATION WILL BE MADE THEREOF. SEE SPECIAL PROVISIONS FOR MORE DETAIL.
- (4) SEE THE SPECIAL PROVISIONS FOR MORE DETAIL ON SPECIFICATIONS FOR ITEM NO. 2575.501 "TURF ESTABLISHMENT."
- (5) RODENT GUARDS SHALL BE INSTALLED ON ANY OUTLET PIPE SIZE 15" AND SMALLER. RODENT GUARDS SHALL BE AGRI DRAIN CORPORATION OR APPROVED EQUIVALENT.
- (6) CONCRETE BALLAST FOR ITEM NO. 2503.503 "CP PIPE RISER (SMOOTH)" MAY BE PRECAST OR POURED IN PLACE. CONCRETE BALLAST SHALL MEET THE REQUIREMENTS OF MNDOT 2411. ALL REBAR AND CONCRETE SHALL BE INCIDENTAL TO ALL ITEM NO. 2503.601 "CP PIPE RISER (SMOOTH)" AND NO COMPENSATION SHALL BE MADE THEROF.
- (7) GRADING WORK SHOWN ON PLAN PROFILE SHEET FOR PROPOSED WATERWAY SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 2105.507 "COMMON BORROW (P) (CV)."

 <p>HOUSTON engineering, inc.</p>	Drawn By KMF
Checked By TAN	Date 8-12-21
As Shown	Scale
Project No. 10861-0001	SHEET 2

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

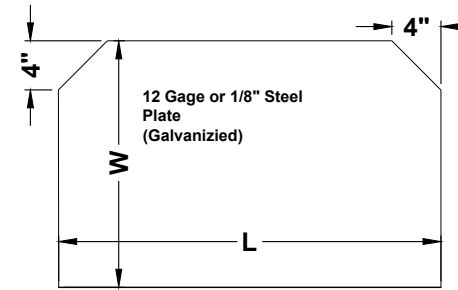
Tony A. Nordby

Tony A. Nordby
License No. 51392

Date: 8/12/21

RANDY MYHRER GRADE STABILIZATION
 RED LAKE COUNTY SWCD
 SECTION 6, POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN
 QUANTITIES

TRASH RACK & ANTI-VORTEX DIMENSIONS							
Pipe I.D. (In.)	Strap Dia. (In.)	S (In.)	B (In.)	M (In.)	R (In.)	W (In.)	L (In.)
12	11 1/4	5-6	9	9	12	20	28
15	14 1/4	5-6	9	9	13	21	31
18	17 1/4	6-7	9	9	14	22	34
24	23 1/4	7-8	12	15	11	25	40
30	29 1/4	8-9	12	18	10	27	46
36	35 1/4	9-10	12	21	9	29	52



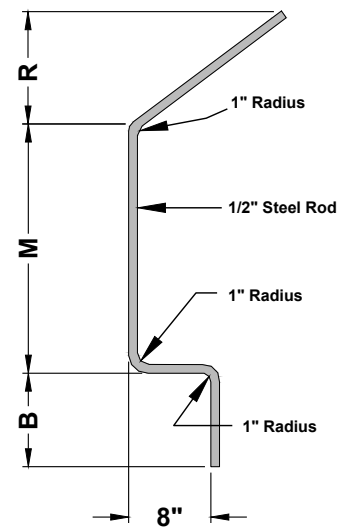
Anti-Vortex Detail

Installation Notes:

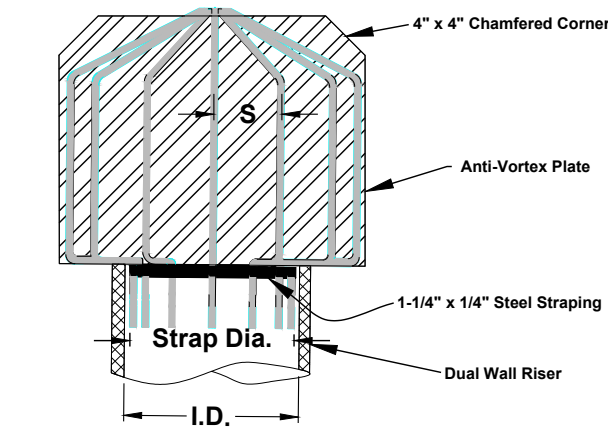
1. Corrugated dual wall pipe riser requires CLASS II backfill material a minimum 2 feet width around the riser. Corrugated dual wall riser outlet stub connection requires a watertight connection such as a bell to bell with gaskets.

2. Trash Rack/Antivortex requires anchoring at each end of the anti-vortex with a fence post or anchor driven into the ground a minimum 2.5 to 3'.

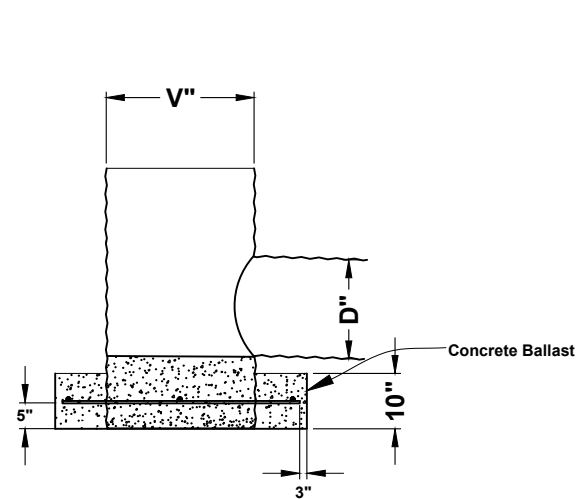
3. Steel reinforcement is #4 Bar. Concrete will require adequate consolidation to eliminate voids, honeycomb and fully encase rebar and embedments.



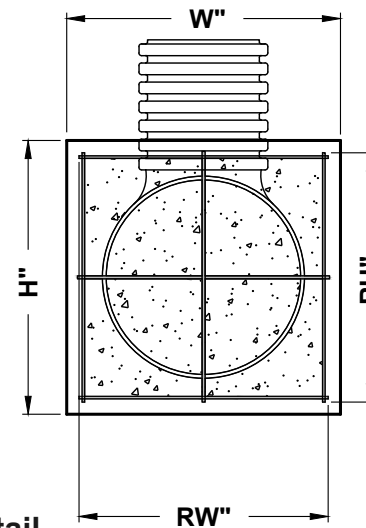
Rod Bending Detail



Trash Rack / Anti-Vortex Detail



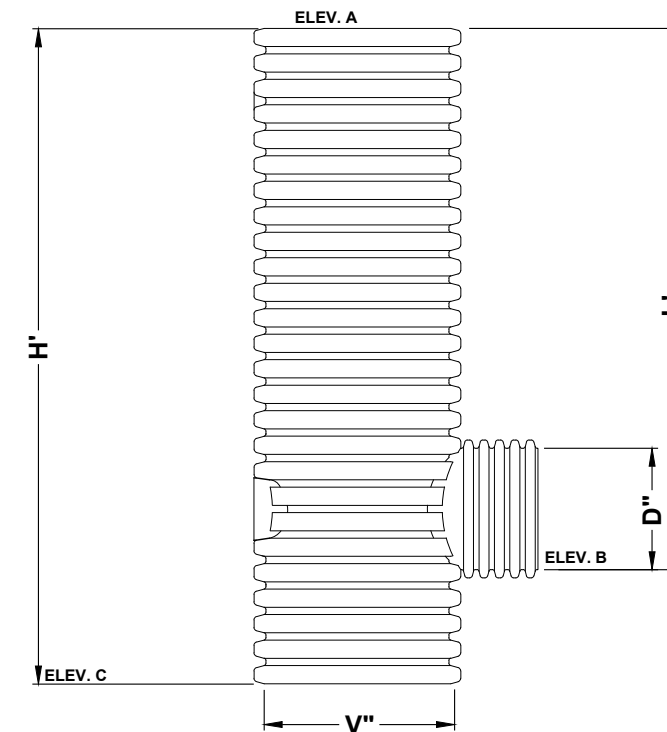
Riser Ballast Detail



RISER BALLAST SIZING CHART				
PIPE SIZE	H	W	RH	RW
12"	24"	24"	18"	18"
18"	30"	30"	24"	24"
24"	36"	36"	30"	30"
30"	42"	42"	36"	36"

NOTE:

- (1) RISER SHALL BE CAST INSIDE THE CONCRETE BALLAST WITH #4 REBAR DOWELED THROUGH CENTER AS SHOWN IN "RISER BALLAST DETAIL"
- (2) CONCRETE INSIDE OF RISER SHALL BE LEVEL WITH ELEVATION B SHOWN ON THIS SHEET "DUAL WALL RISER DETAIL"
- (3) A TOTAL OF 30 FT. OF #4 REBAR WILL BE NEEDED TO CONSTRUCT BALLASTS (15 FT. FOR EACH BALLAST)



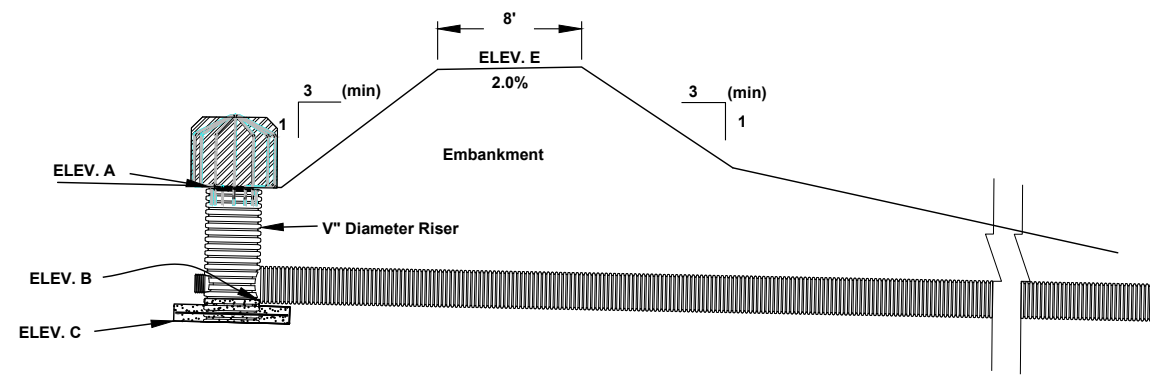
Dual Wall Riser Detail

RANDY MYHRER GRADE STABILIZATION RED LAKE COUNTY SWCD SECTION 6, POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN	RISER DETAIL
 Houston Engineering, Inc.	Drawn By KMF Checked By TAN Date 8-12-21 Scale As Shown Project No. 10861-0001
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  Tony A. Nordby License No. 51392 Date: <u>8/12/21</u>	
SHEET 3	

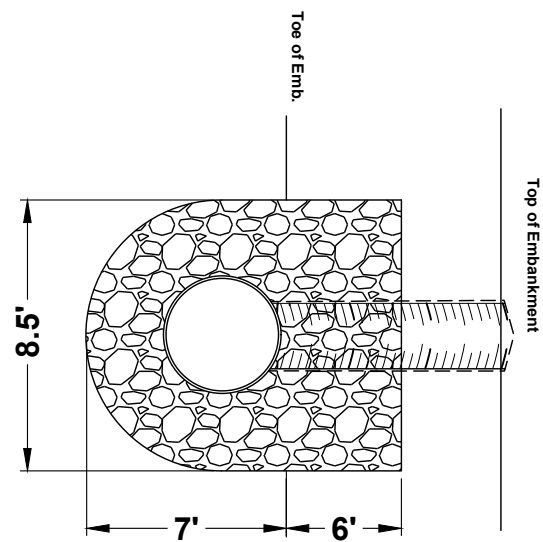
H:\BNA\10800\10861\10861_0001\Randdy Myhrer\CAO\Myhrer\CAO\Myhrer\CAO\Myhrer_RLC_SWCD_Cover Sheet.dwg: RISER DETAIL - 8/13/2021 9:30 AM - (kfaagan)

Detail Elevations					
Site #	Elev. A	Elev. B	Elev. C	Elev. D	Elev. E
Site #1	1093.50	1088.00	1087.00	1085.00	1096.70
Site #2	1094.00	1089.00	1088.00	1085.50	1096.00

Pipe Sizes						
Site #	X"	D"	L'	H'	V"	Y"
Site #1	18"	18"	5.5'	6.5'	24"	9"
Site #2	18"	18"	5'	6'	24"	9"



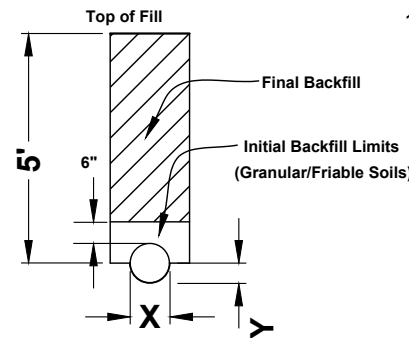
Pipe Profile



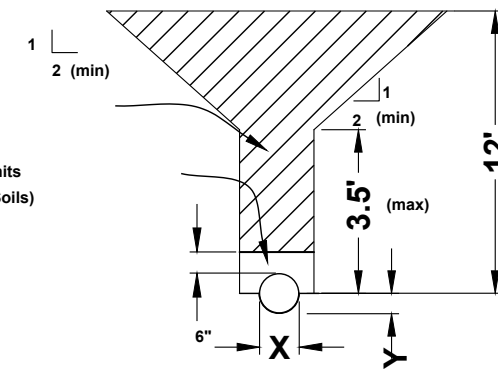
Inlet Protection Details

DIA	X	Y
8"	9-1/2"	4-3/4"
10"	11-5/8"	5-3/4"
12"	14-1/4"	7-0"
15"	18-3/8"	9-1/4"
18"	21-1/2"	10-3/4"
24"	28-1/2"	14-1/2"

Trench Spoon Dimensions

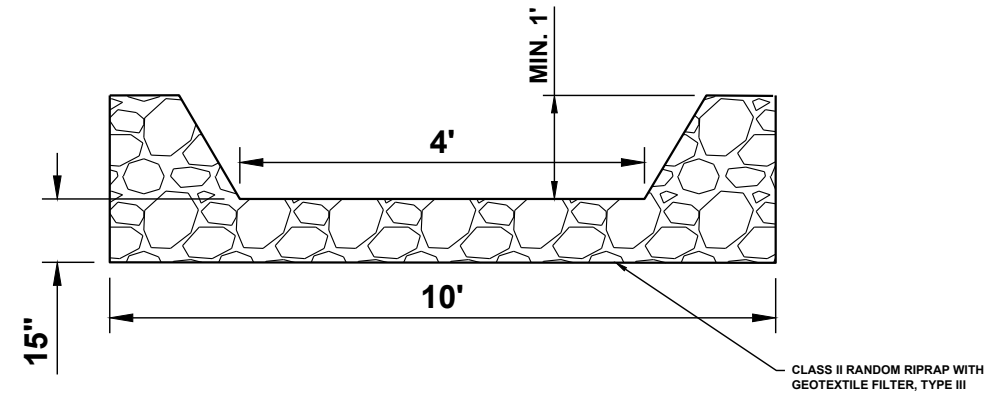


Trench Detail A
(Depths 5' and <)

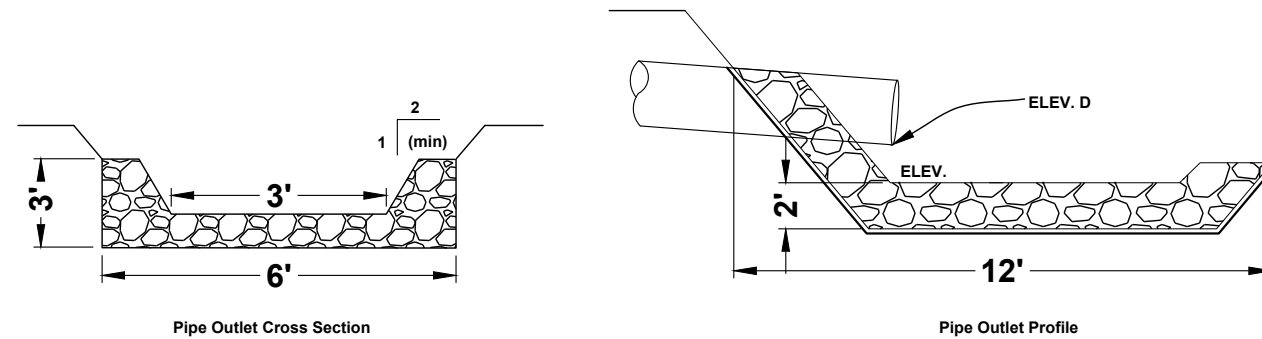


Trench Detail B
(Depths 12' and >)

Trenching Details



Rip Rap Detail (Site 3)
NOT TO SCALE



Outlet Protection Details

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

Tony A. Nordby

Tony A. Nordby
License No. 51392

Date: 8/12/21

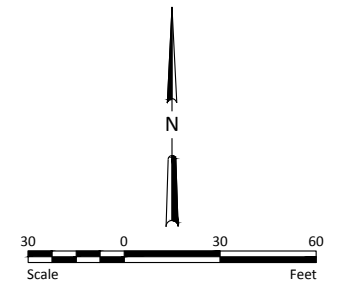
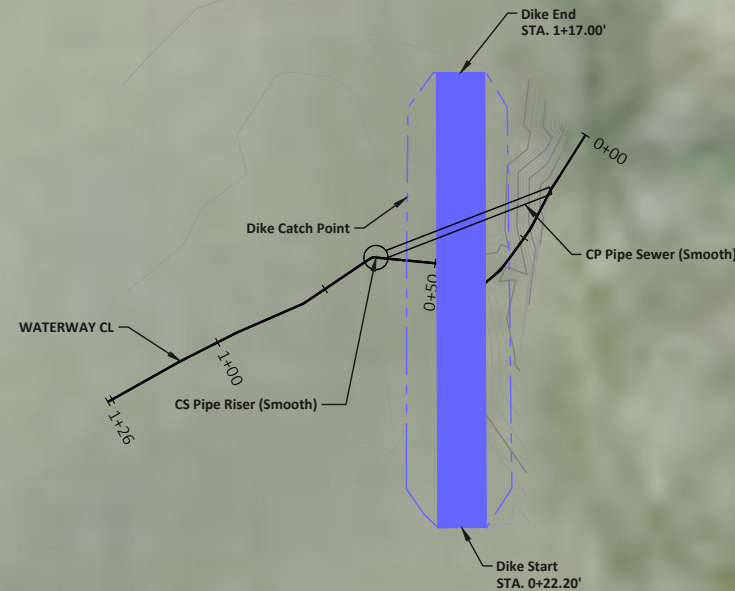
No.	Revision	Date	By

RANDY MYHRER GRADE STABILIZATION
RED LAKE COUNTY SWCD
SECTION 6, POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN

HOUSTON
engineering, inc.

Drawn By: KMF
Checked By: TAN
Date: 8-12-21
Scale: As Shown
Project No.: 10861-0001
SHEET: 4

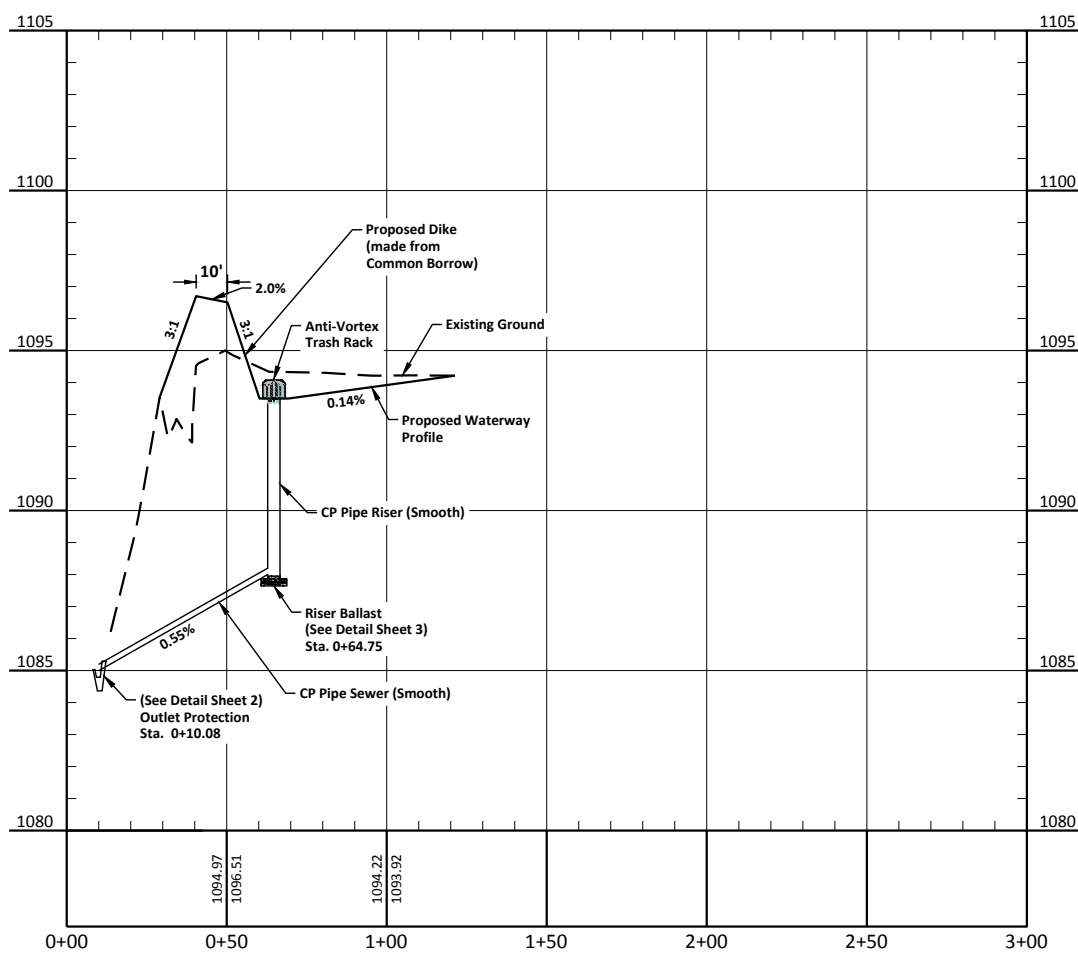
H:\BNA\10861\10861_0001\10861_Myhrer\CAO\Myhrer\FLC_SWCD_Cover Sheet.dwg: RISER DETAILS AND ELEVATIONS-8/12/2021 3:25 PM-(kflagam)



Site #1

Common Borrow: 108 cu. yd.
Rip-Rap: 17 cu. yd.
Granular Bedding: 6 cu. yd.
Rebar: 15 ft.

24" CS Pipe Riser (Smooth): 5 ft.
18" CP Pipe Sewer (Smooth): 55 ft.



- NOTES:**
1. ADD 10% TO FILL HEIGHT FOR SETTLEMENT
 2. COVER OVER CP PIPE SEWER SMOOTH SHALL BE A MINIMUM OF 2.5 FEET
 3. SEE DETAIL ON SHEET 4 FOR PIPE SIZES AND ELEVATION

H:\JBM\10861\10861_0001\Randy Myhrer's CAD\Site Design.dwg-MYHRER PP_1-8/13/2021 9:22 AM-(kflaagan)

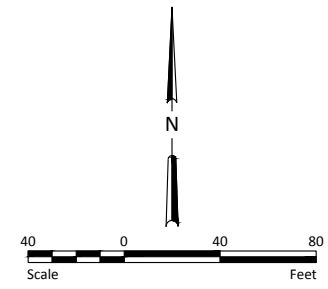
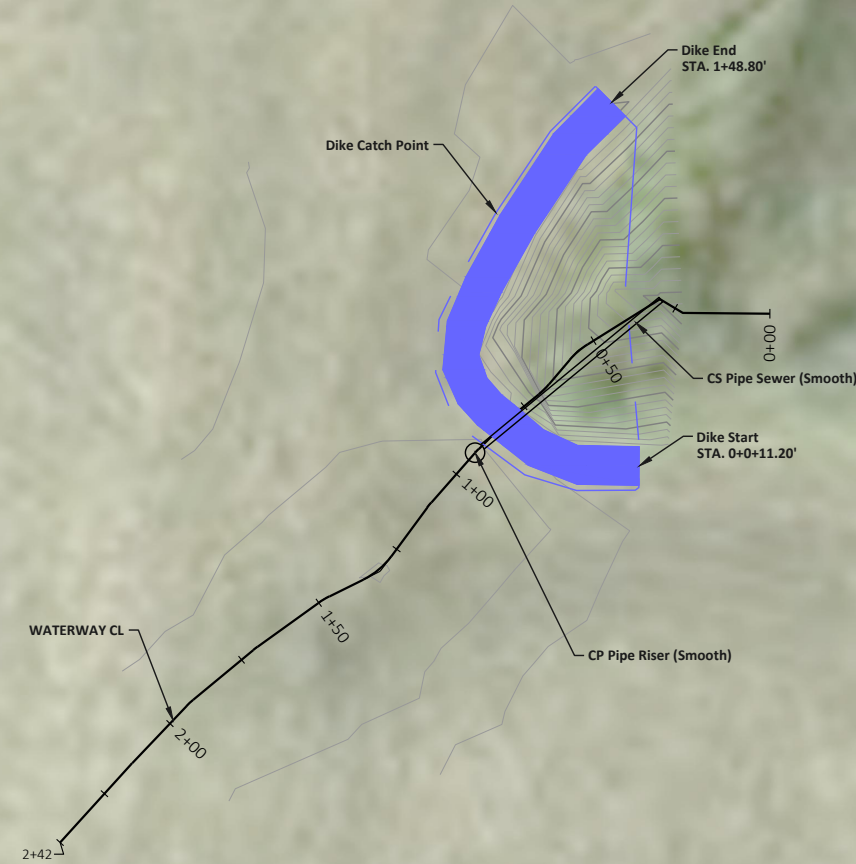
By	
Date	
Revision	
No.	
RANDY MYHRER GRADE STABILIZATION RED LAKE COUNTY SWCD SECTION 6; POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN PLAN AND PROFILE	
Drawn By	KMF
Checked By	TAN
Date	8-12-21
Scale	As Shown
Project No.	10861-0001
SHEET	
5	

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

Tony A. Nordby

Tony A. Nordby
 License No. 51392

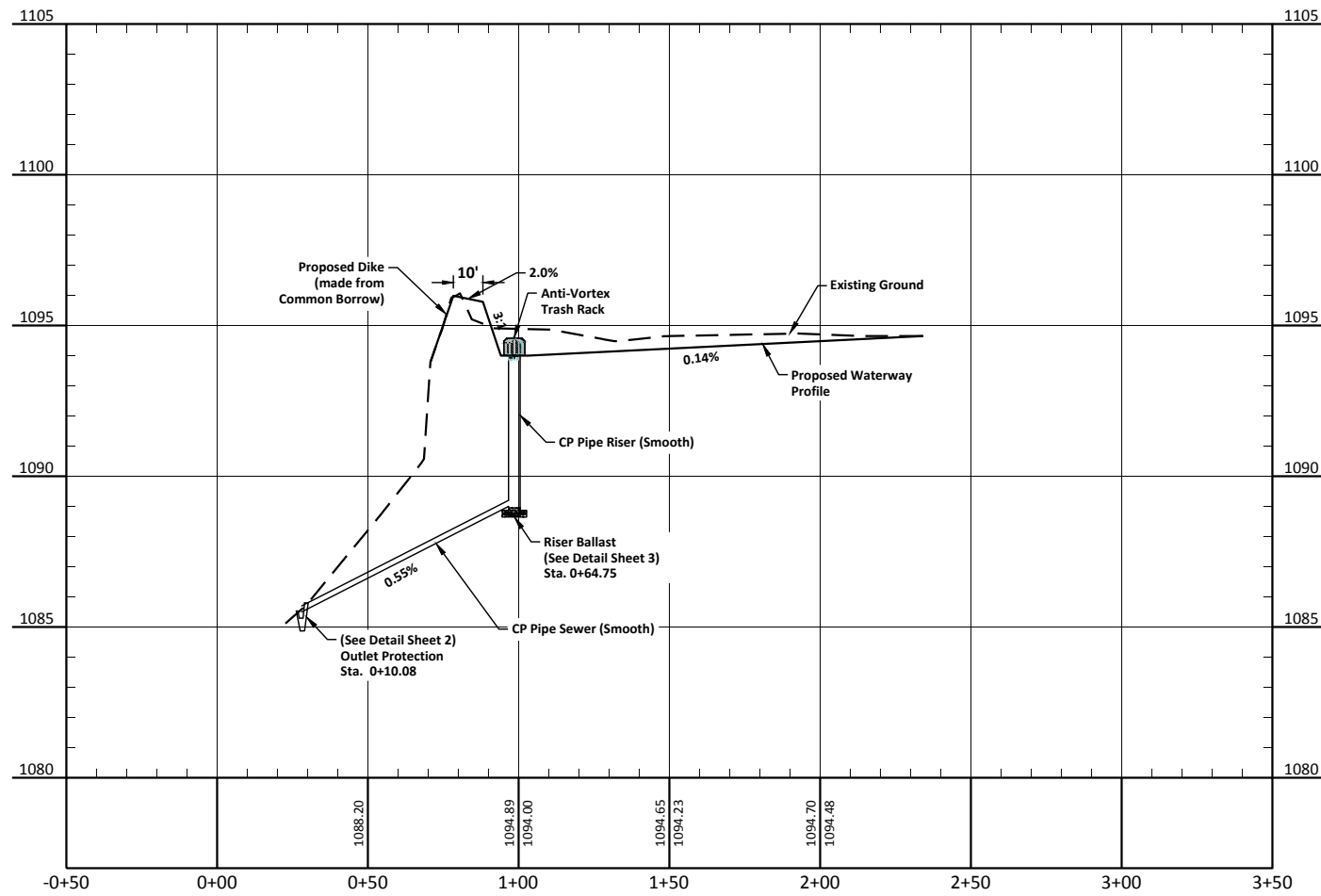
Date: 8/12/21



Site #2

Common Borrow: 58 cu. yd.
 Rip-Rap: 17 cu. yd.
 Granular Bedding: 7 cu. yd.
 Rebar: 15 ft.

24" CS Pipe Riser (Smooth): 6 ft.
 18" CP Pipe Sewer (Smooth): 69 ft.

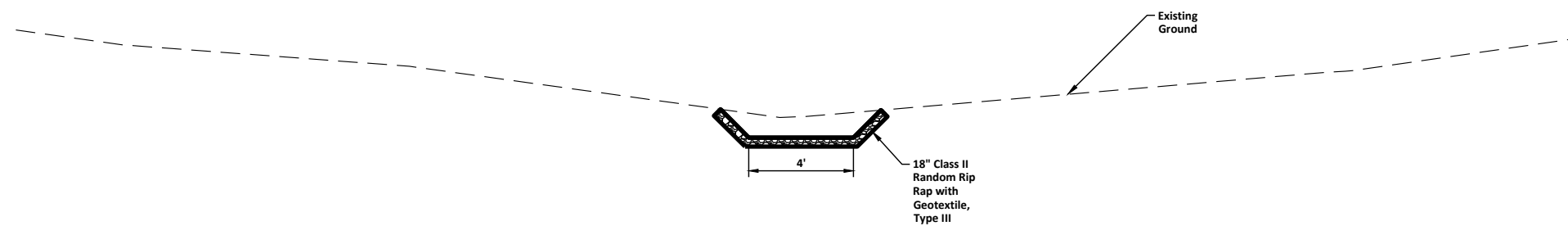
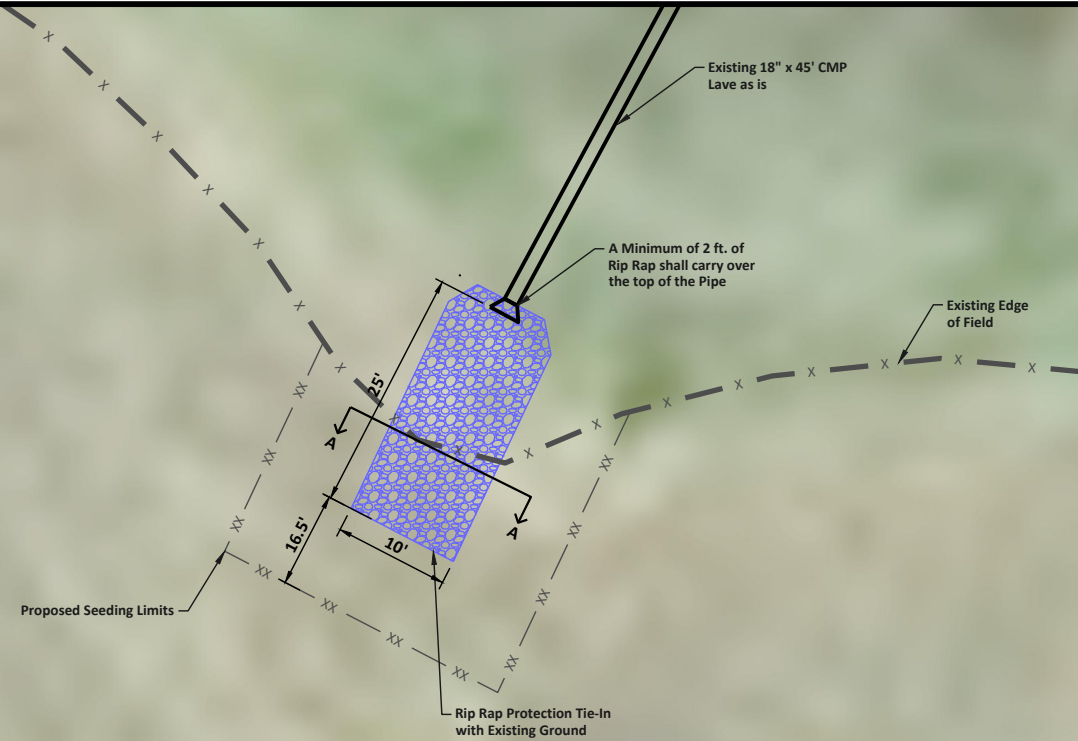


- NOTES:**
1. ADD 10% TO FILL HEIGHT FOR SETTLEMENT
 2. COVER OVER CP PIPE SEWER SMOOTH SHALL BE A MINIMUM OF 2.5 FEET
 3. SEE DETAIL ON SHEET 4 FOR PIPE SIZES AND ELEVATION

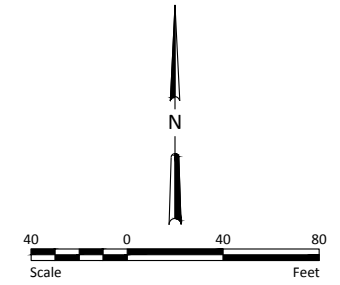
										By
										Date
										Revision
									No.	
<p>PLAN AND PROFILE</p> <p>RANDY MYHRER GRADE STABILIZATION RED LAKE COUNTY SWCD SECTION 6; POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN</p>										
					Drawn By		KMF			
					Checked By		TAN			
					Date		8-12-21			
					Scale		As Shown			
					Project No.		10861-0001			
<p>SHEET</p> <p>6</p>										

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

Tony A. Nordby
 License No. 51392
 Date: 8/12/21



Typical Section A - A
Not to Scale



Site #3

Rip-Rap: 13 cu. yd.

By	Date	Revision	No.

RANDY MYHRER GRADE STABILIZATION
 RED LAKE COUNTY SWCD
 SECTION 6; POPLAR RIVER TOWNSHIP, RED LAKE COUNTY, MN

PLAN AND PROFILE



Drawn By
KMF

Checked By
TAN

Date
8-12-21

Scale
As Shown

Project No.
10861-0001

SHEET
7

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

Tony A. Nordby

Tony A. Nordby
License No. 51392

Date: 8/12/21

H:\JBM\10800\10861_0001\Randdy Myhrer's\CAD\Site Design\dwg-MYHRER P1_3-8/12/2021 9:21 AM-[kflaagan]

INDEX--SP2018BOOK

Randy Myhre Grade Stabilization
Sect. 6 Poplar River Twp.
Red Lake County

<u>SP2018#</u>	<u>ITEM#</u>	<u>DATA</u>	<u>PAGE</u>
S-1	(2021)	MOBILIZATION	2
S-2	(2105)	EXCAVATION AND EMBANKMENT	2
S-3	(2451)	STRUCTURE EXCAVATIONS AND BACKFILLS.....	3
S-4	(2503)	PIPE SEWERS	4
S-5	(2511)	RIPRAP	4
S-6	(2575)	ESTABLISHING TURF AND CONTROLLING EROSION.....	5

I Hereby certify that these Special Provisions were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.



Tony A. Nordby, PE, Lic. No. 51392

8/12/2021

Date

DIVISION S

S-1 (2021) MOBILIZATION

- S-1.1 Item No. 2021.501, “Mobilization”, shall be compensation for all mobilization and demobilization costs on this project including costs associated with, but not limited to, any Contracts, Bonds, and required Insurance.

S-2 (2105) EXCAVATION AND EMBANKMENT

Modify MnDOT 2105 as follows:

- S-2.1 Item No. 2105.507, “Common Borrow (P) (CV)”, shall be a Plan Quantity Item.

Item No. 2105.507, “Common Borrow (P) (CV)”, includes the borrow material necessary to construct the dikes to the elevation, profile, and cross section as shown in the plan. 6 inches of topsoil shall be stripped from the footprint of the dike prior to placing borrow material and placed back on the dike at the finished top elevation and cross section as shown in the plan. Borrow material shall be free of all frozen soil, brush, roots, or other perishable material. Item No. 2105.507, “Common Borrow (P) (CV)”, includes the stripping, stockpiling, and replacing of all topsoil, excavation/fill of all erosion waterway areas upstream from the riser structures identified on the plan, and construction of dikes to the line, slopes, cross sections, and grades shown on the plans. All unsuitable materials for dike construction such as roots, rubbish, stumps, or other objectionable material shall be properly disposed of in accordance with the plans, special provisions and all applicable rules and regulations.

During placement and compaction of the common borrow material, the moisture of the material being placed shall be maintained within the specified range. The application of water to the common borrow material shall be accomplished at the borrow areas insofar as practicable. Water may be applied by sprinkling the material after placement on the dike, if necessary. Uniform moisture distribution shall be obtained by disking. Material that is too wet when deposited on the dike shall either be removed or be dried to the specified moisture content prior to compaction.

The common borrow compaction shall comply with MnDOT 2105.3 F.2 – Quality Compaction Method.

The common borrow shall be placed in uniform layers not exceeding 12 inches of uniform thickness, and thoroughly mixed by disking or other approved methods to obtain uniformity of material.

During the course of the work, the Engineer may perform such quality assurance tests as are required to identify materials; determine compaction characteristics; determine moisture content; and determine density of common borrow in place. Tests performed by the Engineer will be used to verify that the common borrow conforms to contract requirements of the specifications and not as a replacement for the Contractor’s quality control program. Densities of the common borrow areas once placed requiring compaction will be determined in accordance with the appropriate ASTM methods which may include ASTM D1556 (Sand Cone Method), D2167 (Balloon Method), D2922 (Nuclear Methods) 2937 (Drive Cylinder Method) and other methods approved by the Engineer. The Engineer will determine the density test which is appropriate for the conditions and materials encountered.

The moisture content will be determined in accordance with appropriate ASTM methods which may include ASTM D2216, D3017, D4643, D4944, D4959 and other methods approved by the Engineer. The Engineer will determine moisture content tests which are appropriate for the conditions and materials encountered.

Where the density tests do not meet the minimum requirements as set forth above, the Contractor, at his own expense, shall remove, replace, and re-compact the spoil bank material. A retest shall be required for every density test that does not meet the minimum requirements for moisture and density and paid for by the Contractor.

Once each lift has been adequately processed, the surface of each lift shall be scarified to a minimum of 2 inches prior to placing additional lifts.

In placing of the common borrow, hauling equipment shall be routed so that the material is distributed uniformly over the entire width of each layer of material. Special care shall be exercised in construction of the common borrow to avoid displacement or other damage to the structure and to obtain satisfactory compaction.

Stones of over three inches in maximum dimension will not be permitted in the dike. Stumps, logs, large roots, snow, ice, frozen lumps of earth, or other objectionable materials shall not be placed in any portion of the dike.

The common borrow shall not be placed during periods when the material freezes while being placed and compacted, nor shall any common borrow material be placed on soil that is frozen. Where the foundation soil is frozen at a time when weather conditions are such that dike construction could be continued without the material freezing as it is being placed and compacted, the Contractor may be permitted to excavate the frozen foundation soil and proceed with the common borrow placement as the weather permits, but only if and to the extent approved by the Engineer, and with the understanding that the additional costs involved shall be borne by the Contractor. The frozen soil shall be pulverized or coaxed and replaced with other suitable material as may be necessary to construct the dike as specified.

Finish surface shall be approved by the Engineer prior to seeding.

All costs associated with providing the work necessary to complete Item No. 2105.507, "Common Borrow (P) (CV)", including, but not limited to, stripping, stockpiling, replacing, excavation, fill, loading, hauling, placing, drying/watering, compacting, and/or disposing of common borrow material shall be included in the unit bid price for Item No. 2105.507, "Common Borrow (P) (CV)", and no additional compensation will be considered thereof.

Measurement for Item No. 2105.507, "Common Borrow (P) (CV)", shall be by Plan Quantity (P) Compacted Volume (CV), and Cubic Yard (CY) basis. The volume of common borrow material placed to the design plan, grade, and cross section will be included in the Plan Quantity (P) for payment, and no direct measurement will be made unless determined necessary by the Engineer.

S-3 (2451) STRUCTURE EXCAVATIONS AND BACKFILLS

Modify MnDOT 2451 as follows:

- S-3.1 Excavation and backfilling operations associated with the removal of existing structures and installation of new pipe culverts and drainage structures will be performed in accordance with MnDOT 2451. All labor, equipment and material costs associated with excavation and backfilling work necessary for the removal and/or installation of pipe culverts, drainage structures, rip rap and all items requiring excavation operations for installation shall be considered an incidental cost to the respective Pay Items, and no direct payment for structure excavation and backfilling will be made thereof.
- S-3.2 Where applicable, a minimum of 6" of topsoil shall be salvaged, stockpiled within the construction area and placed over the finished graded slope areas affected by the pipe sewer, culverts and risers excavation and backfilling operations. All associated labor, equipment and material costs necessary to salvage and place the topsoil shall be incidental to the respective Bid Item and no direct compensation will be considered thereof.

- S-3.3 Any clearing and grubbing necessary to remove or install pipe sewer, culverts, or riser structures shall be completed and disposed of by the Contractor off the project site. All associated labor, equipment and material costs necessary to clear and grub shall be incidental to the respective pipe sewer, culvert, or riser structure Bid Item and no direct compensation will be considered thereof.
- S-3.4 All pipe sewer and culverts shall be backfilled with Granular Bedding in accordance with MnDOT 3149 and placed in accordance with the typical plan details and these special provisions. Measurement for Item No. 2451.507, "Granular Bedding (P) (CV)", shall be considered Plan Quantity (P), Compacted Volume (CV) and measured by the Cubic Yard (CU. YD.).

S-4 (2503) PIPE SEWERS

Modify MnDOT 2503 as follows:

- S-4.1 The applicable provisions of MnDOT 2503 shall apply to Item No. 2503.503, "18" CP Pipe Sewer (Smooth) and Item No. 2503.601, "24" CP Pipe Riser (Smooth)", in addition to the following:
- S-4.2 Corrugated polyethylene pipe and fittings shall be 18" nominal diameter manufactured from high-density polyethylene (HDPE) virgin compounds. Clean reworked HDPE materials from the manufacturer's own production may be used by the manufacturer of HDPE pipe, provided that the pipe and fittings produced meet all the requirements of these Special Provisions, MnDOT 3247, AASHTO M294. The corrugated polyethylene pipe shall be appropriately marked with ASTM or AASHTO designation. Coupling connections shall be made with bell and spigot joints. Bell and spigot joints shall be designed with a gasket meeting ASTM F477.
- S-4.3 All excavation and backfill (backfill above the granular bedding, as applicable) for the 18" CP Pipe Sewer (Smooth) and 24" CP Pipe Riser (Smooth), will not be measured for separate payment but shall be considered incidental to the respective pipe sewer or riser structure with no additional compensation considered thereof.
- S-4.4 Item No. 2503.602, "24" Anti-Vortex Trash Rack", includes the furnishing and installation of the Anti-Vortex Trash Racks including all mounting hardware. Mounting hardware shall be galvanized as per MnDOT 3392, "Galvanized Hardware". Installation of the Trash Rack shall be in accordance with the manufacturer's recommendations.
- S-4.5 Item No. 2503.602, "24" Anti-Vortex Trash Rack", shall be measured and paid per unit Each. All labor, equipment, and material costs required to furnish and install Item No. 2503.602, "24" Anti-Vortex Trash Rack", shall be included in the unit bid price and no additional compensation will be made thereof.

S-5 (2511) RIPRAP

This work shall be performed in accordance with the applicable provisions of MnDOT 2511 and MnDOT 3601, as supplemented by the following:
Modify MnDOT 2105 as follows:

- S-5.1 Item No. 2511.507, "Random Riprap, Class II", shall conform to requirement outlined for each classification in MnDOT Table 3601-1.

For Item No. 2511.507, "Random Riprap, Class II", Section 3601.2.A.1 shall be followed:
All requirements of 3601 remain in effect.

The Contractor shall furnish Geotextile Filter, Type III for use under Random Riprap Class II as shown on the plans and shall be performed in accordance with the applicable provisions of MnDOT 2511 and

3733.

All material and work associated with the placement of the geotextile filter shall be incidental to Item No. 2511.507, "Random Riprap, Class II". The Engineer will require material certification prior to the placement of any "Geotextile Filter".

Measurement for Item No. 2511.507, "Random Riprap, Class II", shall be field measured and based on a cubic yard (CY) unit of measure basis.

Payment for Item No. 2511.507, "Random Riprap, Class II", shall include all labor, equipment, and material costs associated with furnishing and placing riprap as detailed in the plan, specifications, and described above. All costs shall be included in the unit bid price for Item No. 2511.507, Item No. 2511.507, "Random Riprap, Class II", and no additional compensation will be considered thereof.

S-6 (2575) ESTABLISHING TURF AND CONTROLLING EROSION

Modify MnDOT 2575 as follows:

- S-6.1 All areas outside the agricultural field extents shall have turf establishment and erosion control measures.

Seeding and placement of erosion control mulch shall be performed by the Contractor, as directed by the Engineer. All associated costs shall be included in Item No. 2575.501 "Turf Establishment."

Seed: Shall be MnDOT Mixture 25-141 and MnDOT Mixture 21-112

Fertilizer: Shall be MnDOT Type 1, 20-20-10

Mulch: MnDOT Type 1

Sowing Seed: Seed Mixture 25-141 shall be applied at the rate of 59 pounds per acre over all disturbed areas as shown in the plans. Seeding shall be done as soon as possible after finish grading has been completed. Seed Mixture 21-112 shall be applied at a rate of 25 pounds per acre over all disturbed areas as shown in the plan.

Applying Fertilizer and Conditioners: Fertilizer shall be applied at 250 pounds per acre over all seeded areas of turf establishment.

Sowing Mulch: Mulch Material Type 1 shall be applied at the rate of 2 tons per acre over all disturbed areas as shown in the plans. Mulching shall be done as soon as possible after finish grading has been completed and disk anchored into the ground.

Maintenance: The Contractor shall be solely responsible for replacement and/or repair of any seeded area that may wash-out, erode, or fail to grow prior to acceptance with no additional compensation, therefore. The Contractor is also responsible for maintenance of seed per the MnDOT Specifications.

Item No. 2575.501, "Turf Establishment", shall apply to all disturbed areas within the project limits, unless directed otherwise by the Engineer. Measurement and payment in accordance with MnDOT 2575.

RED LAKE BAND of CHIPPEWA INDIANS

RED LAKE NATION HEADQUARTERS



OFFICERS:
DARRELL G. SEKI, SR., Chairman
SAMUEL R. STRONG, Secretary
ANNETTE JOHNSON, Treasurer

DISTRICT REPRESENTATIVES:
GARY NELSON
GLENDA J. MARTIN
JULIUS "TOADY" THUNDER
ALLEN PEMBERTON
ROBERT "BOB" SMITH
DONALD GOOD, SR.
ADRIAN BEAULIEU
MICHELLE (BARRETT) COBENAI

ADVISORY COUNCIL:
7 HEREDITARY CHIEFS

PO Box 550, Red Lake, MN 56671

Phone 218-679-3341 • Fax 218-679-3378

September 1, 2021

Brent Mason
Minnesota Department of Natural Resources
2532 Hannah Avenue NW
Bemidji, MN 56601

RE: Permit #2021-1990 Pine Lake Outlet – Red
Lake Watershed Project #26B, Clearwater
County

Dear Mr. Mason:

I am writing on behalf of the Red Lake Band of Chippewa Indians to express our serious concern regarding the issuance of a Public Works water permit for a planned water control outlet structure for Pine Lake/Lost River (Permit #2021-1990) in Clearwater County. We believe that the planned project was approved without adequate consultation with the Red Lake Nation, as required by Federal Executive orders and by Governor Walz's recent Minnesota Executive Order 19-24. Additionally, the project approval failed to incorporate legal compliance with various State and Federal laws and regulations requiring the identification and protection of archaeological and cultural resources, including possible human remains.

The U.S. Army Corps of Engineers Regional general permit and the Individual Permit for the State of Minnesota, both of which factor into the Minnesota Joint Application Form for Activities Affecting Water Resources in Minnesota and the issuance of MN DNR Public Waters work permits, demand consideration of cultural resources. As such, cultural resources cannot be set aside in the decision-making behind the issuance of a permit. This is especially so if the activity might have the potential to cause adverse effects to historic properties listed on, eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places. Additionally, no activity which may affect historic properties listed, or eligible for listing, in the National Register of Historic Places is to be authorized until compliance with appropriate cultural resource laws and regulations are satisfied, including, but not limited to: the National Historic Preservation Act (54 USC 300101 et seq); Protection of Historic Properties (36 CFR 800); U.S. Army Corps Procedures for the Protection of Historic Properties (33 CFR part 325 Appendix C); the Minnesota Field Archaeology Act (MS 138.31-138.42); the Minnesota Private Cemeteries Act; and the Minnesota Historic Sites Act (MS 138.661-138.669). All of these laws and regulations require sufficient documentation demonstrating compliance in the identification and preservation of archaeological and cultural resources, and have a component that demands consultation with State Agencies, such as the Minnesota State Archaeologist, Minnesota State Historic Preservation Office, Minnesota

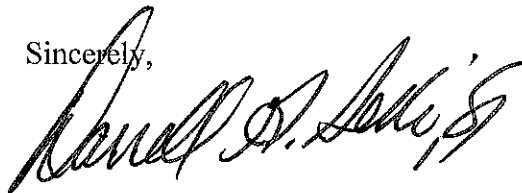
Indian Affairs Council, and the Red Lake Nation, which maintains treaty rights and land tenure over the project location.

Furthermore, our own internal review of the project shows that the project location has at least one previously recorded archaeological site containing potentially significant cultural materials at Pine Lake, the existence of human remains associated with that site, and ethnographic information regarding Pine Lake as a place of cultural importance to the Red Lake Nation due to its proximity to the historic Red Lake-White Earth trail and as a place where historic procurement and settlement took place by the Ojibwe people. There is substantial potential for archaeological resources at the project location, according to the Minnesota Model for archaeological site location, and according to conventional archaeological understanding. Without adequate identification efforts, consultation, and resolution of potential adverse effects, there is an unresolved potential for the disturbance and destruction of archaeological resources.

At this time, until arrangements are made to satisfy legal and regulatory requirements for consultation and archaeological/cultural resource compliance, it is requested that the permit for the project be suspended and that no work be initiated until this issue is satisfactorily resolved. The first step toward this would be to arrange a meeting with the Red Lake Nation, State Archaeologist, State Historic Preservation Office, the cultural resource section of the Minnesota Indian Affairs Council, and other relevant parties. Such a meeting should take place at a location that is convenient to the Red Lake Nation, and the meeting should happen as soon as possible.

We look forward to hearing from you on this matter. You may reach me through our Tribal Attorney, Joe Plumer, at (218) 679-1404, or by email at joe.plumer@redlakenation.org.

Sincerely,



Darrell G. Seki, Sr.
Tribal Chairman

cc: Sarah Strommen
State Archaeologist
State Historic Preservation Office
Minnesota Indian Affairs Council

NOTICE OF HEARING

Pursuant to Minnesota Statutes, Chapter 103D.911, notice is hereby given that the Board of Managers of the Red Lake Watershed District will hold a public hearing on the proposed 2022 General Fund Budget at 9:30 a.m., September 9, 2021, at the Red Lake Watershed District Office, 1000 Pennington Avenue South, Thief River Falls, MN 56701. The following is the 2022 proposed budget:

	PROPOSED 2022 <u>BUDGET</u>
Manager's fees and salaries	\$ 40,000.00
Board of Managers' expense	24,200.00
Staff salaries	567,000.00
Payroll taxes	43,375.50
Employee benefits	87,500.00
Travel and meetings	5,000.00
Audit	9,450.00
Legal	16,000.00
Office supplies	20,000.00
Office equipment	30,000.00
Appraisers and Viewers	2,000.00
Professional services	20,000.00
Dues and subscriptions	10,000.00
Insurance and bonds	30,000.00
Repairs and maintenance-building	15,000.00
Utilities	12,000.00
Advertising and publications	4,000.00
Telephone	11,000.00
Vehicle expense & maintenance	14,000.00
Engineering supplies	3,000.00
Engineering equipment	<u>40,000.00</u>
TOTAL	\$ 1,003,525.50
LESS: ESTIMATED OVERHEAD	(850,500.00)
LESS: MISCELLANEOUS REVENUE	<u>(5,000.00)</u>
PROPOSED 2022 GENERAL FUND BUDGET	\$148,025.50

CAPITAL PROJECTS FUND

An ad valorem tax of .0003627 times the taxable market value for 2021, collectible for 2022, will be levied on all taxable property within the Red Lake Watershed District. One-half of the levy will remain in the District for projects listed below; the other one-half of the levy will be sent to the Red River Watershed Management Board for projects within the Red River Basin.

Permitting system	Benchmarks
Flood Control studies/projects	Stream gauging
Water quality studies/projects	Rivers
Watershed hydrologic analysis	Lakes
Bank stabilization	

**RED LAKE WATERSHED DISTRICT
WORK PAPER(Form B)- 2022 PAYABLE**

<u>Column A</u> <u>Market Value</u>	<u>Column B</u> <u>County Name</u>	<u>Column C</u> <u>Tax Capacity</u>	<u>Column D</u> <u>Tax Capacity %</u>	<u>Column E</u> <u>Levy Amt.</u>	<u>Column F</u> <u>County Share</u>
650,273,000	Beltrami	5,408,350	6.6464%	148,025.50	9,838.31 General Fund
				3,272,699.70	217,515.43 RRWMB
992,943,600	Clearwater	11,130,149	13.6779%	148,025.50	20,246.81 General Fund
				3,272,699.70	447,637.29 RRWMB
4,084,857	Itasca	37,768	0.0464%	148,025.50	68.70 General Fund
				3,272,699.70	1,518.97 RRWMB
50,864,916	Koochiching	457,341	0.5620%	148,025.50	831.95 General Fund
				3,272,699.70	18,393.54 RRWMB
15,132,300	Mahnomen	134,625	0.1654%	148,025.50	244.90 General Fund
				3,272,699.70	5,414.41 RRWMB
453,548,400	Marshall	3,403,675	4.1828%	148,025.50	6,191.61 General Fund
				3,272,699.70	136,890.52 RRWMB
1,543,716,800	Pennington	14,381,733	17.6738%	148,025.50	26,161.76 General Fund
				3,272,699.70	578,410.94 RRWMB
4,597,317,700	Polk	39,428,093	48.4535%	148,025.50	71,723.48 General Fund
				3,272,699.70	1,585,736.61 RRWMB
713,926,426	Red Lake	6,982,526	8.5809%	148,025.50	12,701.89 General Fund
				3,272,699.70	280,826.34 RRWMB
<u>1,350,800</u>	<u>Roseau</u>	<u>8,843</u>	<u>0.0109%</u>	148,025.50	16.09 General Fund
				3,272,699.70	<u>355.65</u> RRWMB
9,023,158,799		81,373,103	100.0000%		3,420,725.20
				<u>Admin Levy</u>	<u>RRWMB Levy</u>
				* Total EMV x .00018135	1,636,349.85 x 2 3,272,699.70
				GENERAL FUND Max. levy \$250,000 GROSS LEVY	0.00 148,025.50
					3,420,725.20

*Red River Watershed Management Board (RRWMB) approved setting levy @ 75% on July 21, 2021

RED LAKE WATERSHED DISTRICT
WORK PAPER(Form B)- 2022 PAYABLE (W/Addt'l Insurance)

<u>Column A</u> <u>Market Value</u>	<u>Column B</u> <u>County Name</u>	<u>Column C</u> <u>Tax Capacity</u>	<u>Column D</u> <u>Tax Capacity %</u>	<u>Column E</u> <u>Levy Amt.</u>	<u>Column F</u> <u>County Share</u>
650,273,000	Beltrami	5,408,350	6.6464%	163,025.50	10,835.26 General Fund
				3,272,699.70	217,515.43 RRWMB
992,943,600	Clearwater	11,130,149	13.6779%	163,025.50	22,298.50 General Fund
				3,272,699.70	447,637.29 RRWMB
4,084,857	Itasca	37,768	0.0464%	163,025.50	75.67 General Fund
				3,272,699.70	1,518.97 RRWMB
50,864,916	Koochiching	457,341	0.5620%	163,025.50	916.25 General Fund
				3,272,699.70	18,393.54 RRWMB
15,132,300	Mahnomen	134,625	0.1654%	163,025.50	269.71 General Fund
				3,272,699.70	5,414.41 RRWMB
453,548,400	Marshall	3,403,675	4.1828%	163,025.50	6,819.03 General Fund
				3,272,699.70	136,890.52 RRWMB
1,543,716,800	Pennington	14,381,733	17.6738%	163,025.50	28,812.83 General Fund
				3,272,699.70	578,410.94 RRWMB
4,597,317,700	Polk	39,428,093	48.4535%	163,025.50	78,991.51 General Fund
				3,272,699.70	1,585,736.61 RRWMB
713,926,426	Red Lake	6,982,526	8.5809%	163,025.50	13,989.02 General Fund
				3,272,699.70	280,826.34 RRWMB
<u>1,350,800</u>	<u>Roseau</u>	<u>8,843</u>	<u>0.0109%</u>	<u>163,025.50</u>	<u>17.72</u> General Fund
				<u>3,272,699.70</u>	<u>355.65</u> RRWMB
9,023,158,799		81,373,103	100.0000%		3,435,725.20
				<u>Admin Levy</u>	<u>RRWMB Levy</u>
				1,636,349.85	x 2 3,272,699.70
	GENERAL FUND	Max. levy \$250,000	GROSS LEVY	0.00	163,025.50 * Addt'l \$15,000
					3,435,725.20

*Red River Watershed Management Board (RRWMB) approved setting levy @ 75% on July 21, 2021



Permit # **20-208**

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Darrell & Danny Payment		21518 120th Avenue SE Red Lake Falls, MN 56750		tel: mobile: 218-684-5369 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Red Lake** Township: **Terrebonne** Range: **43** Section: **4 1/4**:

(4) Describe in detail the work to be performed. **Clean ditch to drain water.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Water is backing up into the field.**

Status

Status	Notes	Date
Approved		Sept. 8, 2021
Tabled		Oct. 21, 2020
Received		Sept. 2, 2020

Conditions

Red Lake Watershed District (RLWD) approval to clean the north road ditch in section 4, as per approval from the Minnesota Department of Transportation (MNDOT); proposed work is within Trunk Highway #92 right-of-way. A survey of the ditch bottom has been completed; a copy of the profile will be sent to the applicant with maintenance grades for cleaning. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. Applicant shall ensure that all disturbed areas are seeded. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-135

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl C. Roed	E & D Roed Trust	34905 290th Avenue SE McIntosh, MN 56556		tel:218-563-4232 mobile: 218-686-6592 fax:

General Information

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)
Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Polk** Township: **Lessor** Range: **41** Section: **36** 1/4: **SW1/4**

(4) Describe in detail the work to be performed. **Excavate debris and silt in mutual Ditch #84 and replace culvert in 340th Street due to rusting out and heaving 20' backing up water on Section.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Debris, silt and culvert are backing up water on to Section 36, flooding pastures and fields.**

Status

Status	Notes	Date
Approved		Sept. 7, 2021
Received		Aug. 26, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean the north road ditch for approximately 500' and remove a 30" diameter centerline culvert and replace it with a 36" diameter culvert, as per approval of the road authority. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the culvert to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-136

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Darrell Payment		21671 140th Avenue SE Red Lake Falls, MN 56750		tel:218-253-2254 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Terrebonne** Range: **43** Section: **5 1/4: SW1/4 SW1/4**

(4) Describe in detail the work to be performed. **Install new crossing**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Need access to farm site.**

Status

Status	Notes	Date
Approved		Sept. 7, 2021
Received		Aug. 26, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install a 24” diameter field entrance culvert, as per approval of the Minnesota Department of Transportation (MNDOT); proposed work is within Trunk Highway #92 right-of-way. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the culvert to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-137

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jeremy J Nelson		20879 200th Avenue NE Thief River Falls, MN 56701		tel: mobile: 218-689-6737 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **North** Range: **43** Section: **13 1/4: E1/2**

(4) Describe in detail the work to be performed. **1. Install centerline culvert through County Road 65. 2. Remove two field entrances along County Road 20, regrade County Road 20 west ditch bottom.**

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

Status

Status	Notes	Date
Approved		Sept. 7, 2021
Received		Aug. 26, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install an 18" diameter centerline culvert through County Road 65. RLWD approval to clean the west road ditch bottom along county road #20, remove two field entrance culverts and install one 18" diameter field entrance culvert. Applicant shall contact Pennington County Highway Department (PCHD) prior to the start of work and meet all spec's/conditions. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the permitted culverts to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-138

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Steve Olson		31695 280th Avenue SE McIntosh, MN 56556		tel:218-779-1175 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Hickory** Range: **39** Section: **20 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Replace county culvert for field crossing. Clean county ditch from NW corner of Section 20 going south approximately 1000'.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Culvert is old and does not work. Ditch has never been cleaned and does not work.**

Status

Status	Notes	Date
Approved		Sept. 7, 2021
Received		Aug. 27, 2021

Conditions

Pipe 1 - Red Lake Watershed District (RLWD) approval to remove and replace an 18" diameter field entrance culvert. Pipe 2 - RLWD approval to remove an 18" diameter field entrance culvert and replace it with a 24" diameter culvert. Ditch cleaning – RLWD approval to clean county road 96 east ditch bottom for one mile. Applicant shall contact Pennington County Highway Department (PCHD) prior to the start of work and meet all spec's/conditions. A survey of the east ditch bottom has been completed by the PCHD, the applicant shall work with them to meet the grades they deem acceptable. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the permitted culverts to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-142

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Joshua Iverson		13242 115th Street NW Thief River Falls, MN 56701		tel: mobile: 218-686-9755 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Sanders** Range: **44** Section: **29 1/4: SW1/4 NE1/4**

(4) Describe in detail the work to be performed. **Add to existing culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Access for farm equipment.**

Status

Status	Notes	Date
Approved		Sept. 8, 2021
Received		Sept. 3, 2021

Conditions

Red Lake Watershed District (RLWD) approval to extend an 18" diameter driveway entrance culvert, as per approval of Pennington County Highway Department (PCHD); proposed work is within county road 57 right-of-way. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the permitted culvert to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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 # 21-143

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Melannie Lundstrom		16376 Center Avenue North Thief River Falls, MN 56701		tel: mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Norden** Range: **44** Section: **36 1/4: NW1/4 SW1/4**

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

(5) Why is this work necessary? Explain water related issue/problem being solved. **No current access to field.**

Status

Status	Notes	Date
Approved		Sept. 8, 2021
Received		Sept. 3, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install a “dry” field entrance, as per approval of Pennington County Highway Department (PCHD); proposed work is within county road 72 right-of-way. If the PCHD determines that a “dry” crossing will not work, the applicant shall install an 18” diameter culvert. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end of the permitted culvert to prevent erosion. Applicant shall ensure that all disturbed areas are seeded. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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.

12065 120th Street SE
Saint Hilaire, MN 56754
August 25, 2021

Myron Jesme
Red Lake Watershed District
1000 Pennington Ave. S.
Thief River Falls, MN 56701

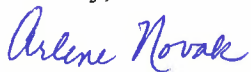
Dear Myron,

After 36 years with the Red Lake Watershed District, I am submitting my retirement letter. My last day of employment will be October 29, 2021, and will actively take my remaining vacation following that day.

I am very grateful for the opportunity given me in September 1985 to begin working at the Red Lake Watershed District. I have many fond memories and observed a lot of changes in those 36 years, of which I will cherish. Now I am looking forward to the opportunities in retirement.

Whatever assistance that is needed in the transition, at your request, I will be more than happy to help with.

Sincerely,



Arlene Novak

Computer Purchase

Replace Nate Kolands Computer

Move Nates computer to the Board Room (Tammy)

Board Room (Tammy) will be excess property (Windows 7 Computer-not supported)

	Computer	Docking Station	Keyboard & Mouse			
Corp Tech	\$ 2,597.00	\$ 286.00	\$ 61.00	\$ 2,944.00		
Walmart	\$ 3,306.00	\$ 424.00	\$ 44.00	\$ 3,774.00		
Amazon	\$ 2,999.00	\$ 470.00	\$ 75.00	\$ 3,544.00		
Amazon	\$ 2,861.00	\$ 454.00	\$ 75.00	\$ 3,390.00		
Office Depot	\$ 2,482.00	\$ 269.00	\$ 45.00	\$ 2,796.00	Computer out of stock	

Red Lake Watershed District - Administrators Report

September 9, 2021

Red River Watershed Management Board – LeRoy will attend the RRWMB at 10:00 am September 21, 2021, in Ada. I will be returning from Arizona that day so will not be attending. The RRWMB will be holding a committee meeting in our Board Room this afternoon at 12:30.

County Board meetings – Dale and I have a tentative meeting date with Pennington County set for 10:00 am September 14th at the Commissioner meeting room. We have a meeting set up with Clearwater County for 9:20 am October 12th at the Commissioners room in Bagley.

Drainage Workgroup Meeting – I hope to attend a virtual Drainage Workgroup meeting this afternoon at 1:00 if time allows. I have included the agenda in your packet for review.

Mud River Project Work Team – First meeting of the PWT will be held Tuesday, September 14th at 9:00 am.

6th Grade Outdoor Education Day – Corey and Christina will be teaching 6th grade students at the Pennington County Outdoor Education Day at 8:30 am on September 15th in TRF. In the past, District staff have helped with the Incredible Journey (water cycle), Aquatic Invasive Species, and minnow racing stations.

NW MN Water Festival – Corey and Christina will be teaching 4th graders about water quality at the Northwest Minnesota Water Festival events in Warren and Fertile. The Warren Festival will be held September 21st and the Fertile Festival will be held September 22nd.

Clearwater River Watershed 1W1P PWG – Clearwater River Watershed PWG will meet at 12:30 pm September 15th. I have included in your packet the first Project Newsletter Update dated August 2021. I have also included the Advisory Committee Meeting Report from the meeting held August 25, 2021.

Drainage Work Group Meeting

When: Thursday, September 9, 2021 1:00 p.m. - 3:00 p.m.

Where: Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)



[Learn More](#) | [Meeting options](#)

Agenda:

1:00 Welcome and Introductions

1:05 Overview and any updates of agenda for the meeting – Tom G.

1:10 **Share information about recent and upcoming drainage related events – All**

- MN Association of County Auditors, Treasurers and Finance Officers August 19&20 Kelly Inn St. Cloud

1:15 **Other Group updates/information–**

1:20 **Multipurpose Drainage Management Grants (History/purpose/improvements?)**

- A bit of history and background on the Grant Program
- BdSWD What are they using the funding for how does it fit their process
- Given the \$ available Are there things that can be done to improve the program

2:00 **BREAK**

2:10 **Drainage Manual fixes**

- Brief Review of the Drainage Manual Repair/Update Process
- Provide a list of items that are broken/need updates in the Drainage Manual which have been found during the conversion to the BWSR Website
 - Should we just look into these and fix them
 - Do the fixes need to come back for thumbs up or simply as FYI?

2:30 **Drainage Manual Apportioning Repair Costs Alternative Option.**

- Brief Review of the Drainage Manual Repair/Update Process
- Review of areas of the Drainage Manual that will likely need revision as a result of the Alternative Option
- Next steps for updated language and review by interested DWG Members.

2:50 **Next DWG meeting, 1:00 a.m. - 4:00 p.m., Thursday, Oct 14, 2021, Virtual**

3:00 **Adjourn**

ADVISORY COMMITTEE MEETING REPORT

AUGUST 25, 2021

Attendees

In-Person (Clearwater County Courthouse): Chester Powell (Clearwater SWCD), Brielle Prokosch (Clearwater SWCD), Chad Severts (BWSR), Brianna Grefthen (Pennington SWCD), Joan Lee (Polk County), Brent Mason (DNR), Mark Larson (Clearwater County), Joel Stolaas (Landowner), Larry Peterson (Pine Lake Township Board), Tom Anderson (RLWD), Dan Disrud (MDH), Mark LaCrosse (Red Lake County), Kaleb Buesing (Clearwater SWCD), Greg Helgeman (Pennington SWCD), Jacki Ulrich (Clearwater SWCD), Brent Mason (MDH), Kurt Casavan (Red Lake County), Ron Weiss (Red Lake County), Terry Sorenson (RLWD), Les Torgerson (Clearwater Lake), Moriya Rufer (HEI)

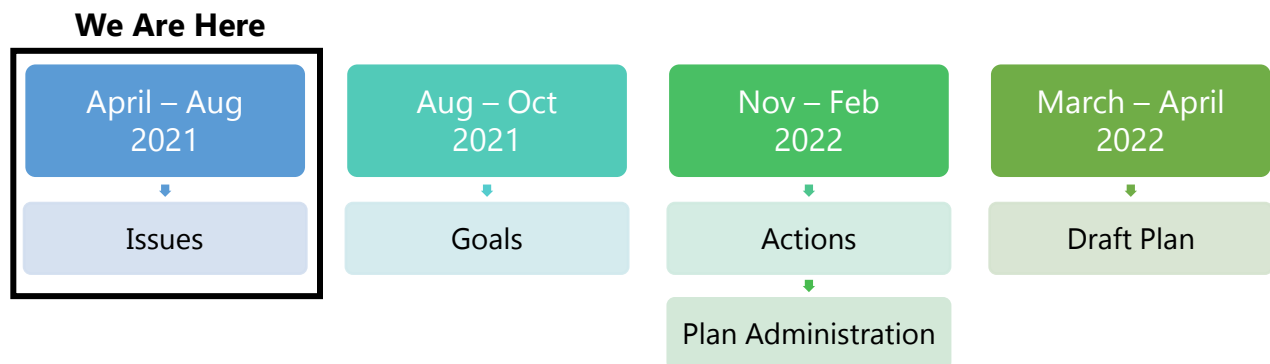
Virtual (Microsoft Teams): Corey Hanson (RLWD), Zach Gutknecht (Beltrami SWCD, Darryl Tveitbakk (Pennington County), Christina Slowinski (RLWD), Kylie Beard (HEI), Myron Jesme (RLWD), Neil Peterson (Pennington County)

Meeting Purpose

The main purpose of this meeting was to review prioritized issue statements. The Policy Committee then met immediately after the Advisory Committee to approve the prioritized issue statements.

Timeline

This graphic is a simplified version of the overall timeline. We are currently in the prioritizing issues step of the planning process and soon to be moving to identifying measurable goals.



Prioritized Issue Statements

The focus of this meeting was to review the prioritized issue statements. The issue statements were shared on the screen so both the in-person and virtual attendees could see them. The Planning Work Group had prioritized the issue statements that were reviewed at the June Advisory Committee meeting into priority groups A, B, and C for each planning region and watershed-wide. Priority A issues are those that were ranked as a high priority in at least one Planning Region. Priority B issues include those issues that for each Planning Region were ranked as medium or low. Priority C issues were ranked as a low priority for all Planning Regions. The Advisory Committee further discussed several issues, made suggestions for goals and actions, and approved the prioritized issue statements to be moved to the Policy Committee for approval. The document was approved by the Policy Committee.

Summary of changes discussed:

- Ditch erosion issues were discussed since they are high dollar projects
- 'Intensification of Development on Lakes' issue was agreed to be incorporated into other issues
- Septic flowage was discussed. Education on septic issues would be helpful. *Work group committee to reach out to Environmental Services Department to hopefully give presentation to group in a future meeting.
- Group discussed the 'Groundwater Sustainability' issue. Again, education would be helpful. What is the capacity of an aquifer? *Work group committee to reach out to Brent Mason or MDH for a groundwater quantity presentation in future meeting
- Storm water runoff to be turned into recreational spots for the public like fishing ponds, a beach or raingardens discussed
- Clearwater Dam reconstruction or modification discussed
- Issues 'High Quality Lakes and Streams' and 'Forest, Prairie and Grasslands' was agreed to combined into 'Lakes, Wild Rice, Fens, Trout Streams, Forest, Grassland and Prairie' for changes in land use and resource protection impact

The final copy of the prioritized issue statements can be found on the last page of this report.

Land and Water Resource Narrative

The Advisory Committee approved the Land and Water Resource Narrative to move to the Policy Committee. The document was approved by the Policy Committee.

Communications

A one-page newsletter update was created for the project. The Advisory Committee was encouraged to bring the newsletter to their boards so board members can have regular updates about plan progress. The newsletter will be provided every other month by HEI.

The newsletter follows this meeting report.

The Advisory Committee discussed developing a new website. For now, the progress of the Clearwater 1W1P can be viewed here: <https://www.rlwdwatersheds.org/clearwater1w1p>

Next Steps

- **September 14:** Planning Work Group will draft measurable goals
- **October 20:** Planning Work Group will draft measurable goals
- **November 3:** Advisory and Policy Committee will review measurable goals
- **November 17:** Planning Work Group will draft actions

Issue Prioritization

Recognizing that resources and needs vary in different parts of the watershed, the Planning Work Group identified seven Planning Regions by which to allocate implementation efforts. These regions align with smaller subwatersheds (HUC10) that follow local streams (Figure 1).

At a July, 15, 2021 meeting, members of the Planning Work Group used maps of the watershed to identify where issues were most prevalent within the watershed based on the Planning Regions. Many factors were considered in the prioritization including citizen input from public events, water quality impairments, groundwater resources, and land use. Any issue that was ranked as high priority in at least one of the Planning Regions was considered a Priority 'A' Issue. Priority 'A' Issues are those that be the main focus of effort and funding during implementation over the next 10 years. Issues that only ranked as a medium priority in any Planning Region were considered Priority 'B' Issues. Priority 'B' Issues are those that are the second most important and will be addressed as time, funding, and partnerships allow. The Planning Work Group decided that Priority 'A' and Priority 'B' Issues will have goals developed for addressing them in the next step of planning. Issues that had a low priority ranking watershed-wide were considered Priority 'C' Issues. These issues are not a priority for the next 10 years and will not receive associated goals and actions in this plan. Each issue statement is shown with prioritization in the next few pages and includes its **main themes in bold**.

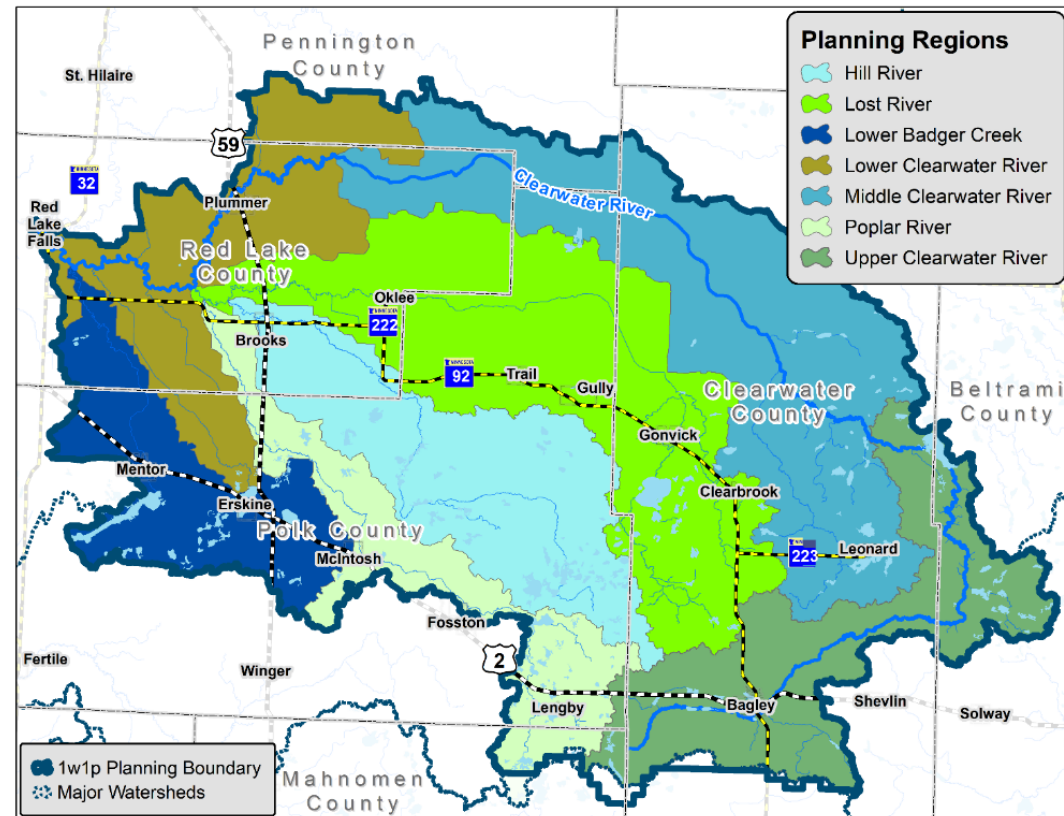



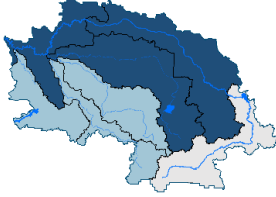

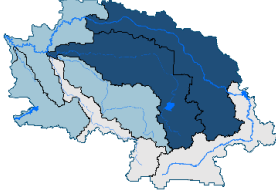

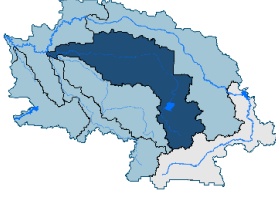



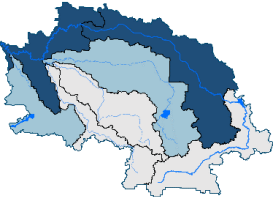



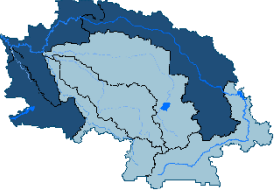

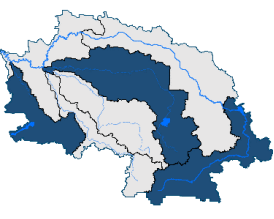
Figure 1. Planning Regions in the Clearwater River Watershed (based on HUC-10s).

Priority ‘A’ Issues

Priority A issues received a “high” ranking in at least one planning region. These issues will be the main focus of funding and efforts that result from this plan.

Planning Region Prioritization Key: ● = high priority ○ = medium priority ○ = low priority







Resource Category	Impacted Resource	Issue Statement	Planning Region Prioritization	Sources <small>(Acronyms key on last page)</small>	Notes
	Streams	Bacteria loading impacts aquatic recreation and human health.		Public, CLAA, PL, BWSR, MPCA, PWG, AC, WRAPS	Includes <i>E.coli</i> impairments. Septic systems, feedlots, livestock waste management, waste pit closures, rotational grazing, includes Wild Rice impacts. High priority areas are where there are <i>E.coli</i> impairments.
	Streams	Unstable stream channels and loss of riparian vegetation increases sediment loading and reduces habitat quality.		PL, BWSR, MPCA, DNR, PWG, AC, WRAPS	Streambank erosion, geomorphology, downcutting. High priority areas are where streams were determined unstable by the DNR geomorphology assessment.
	Drainage Systems	Drainage system bank instability and inadequacy affects agricultural productivity and increases erosion and sedimentation.		PWG, AC	Ditch and ditch outlet maintenance, downcutting. High priority areas are where there are the most ditches and channelization.
	Streams, Drainage Systems	Altered hydrology associated with a change in the water quantity, timing, and variability of flow across the landscape affects water quality and quantity.		BWSR, MPCA, PWG, AC, WRAPS	Includes Low flows – DO impairments. Include flooding in downstream watersheds in plan text. Recognize downstream flooding in the storage goal. High priority areas have the most altered watercourses. Fish benefits.








Resource Category	Impacted Resource	Issue Statement	Planning Region Prioritization	Sources <small>(Acronyms key on last page)</small>	Notes
	Lakes, Streams	Sediment loading from wind and water erosion of croplands, uplands, and lakeshore impacts water quality.		Public, CLAA, PL, BWSR, MPCA, DNR, PWG, AC, WRAPS	Agricultural runoff, Wild Rice paddies impacts, downstream drinking water (EGF, GF?) High priority areas are where there are turbidity/TSS impairments.
	Lakes, Streams	Phosphorus loading contributes to elevated concentrations in lakes and streams, causing eutrophication.		CLAA, PL, BWSR, MPCA, DNR, PWG, AC, WRAPS	Includes Wild Rice impacts and lake loading. Wake boat impacts. High priority areas are where there is a nutrient impairment.
	Soil	Decreased soil health can reduce agricultural productivity and water holding capacity.		BWSR, MDA, PWG, AC	Actions: cover crops, reduced tillage, nutrient management, general ag BMPs, wind breaks, prescribed grazing. High priority areas are where erodibility is highest.
	Lakes	Intensification of development on lakes impacts riparian habitat, shoreline, and water quality. <i>Drop because Sediment, Phosphorus, and Land Use Change issues cover this</i>		CLAA, PWG, AC	Includes increased impervious surface, 2 nd tier development, converting cabins to houses, land use regulations, wake boat impacts, increase perennial cover (lakeshore buffers)

Priority ‘B’ Issues

Priority B issues received a “medium” ranking in at least one planning region and did not have a “high” ranking in any planning region. These issues will be addressed as time, funding, and partnerships allow.

Planning Region Prioritization Key: ● = high priority ○ = medium priority ○ = low priority

Resource Category	Impacted Resource	Issue Statement	Planning Region Prioritization	Sources <small>(Acronyms key on last page)</small>	Notes
	Drinking Water	Groundwater is vulnerable to contamination from numerous sources.		CLAA, BWSR, MDH, MDA, PWG, AC, WRAPS	Includes nitrates, arsenic, PFAs, PFOs, hazardous waste, manure, chloride, pesticides, unsealed wells, DWSMA protection, downstream drinking water (EGF, GF), ag depressions connected to groundwater This medium throughout because wells can be sealed anywhere. Highlight multiple benefits.
	Wetlands	Wetlands are in continued need of protection and restoration which helps with precipitation storage and provides habitat.		BWSR, PWG	WCA, protecting wetland function, MN Prairie Plan, wetland restorations. This is medium throughout because WCA is administered throughout the watershed.
	Aquifer	Groundwater sustainability is vulnerable to overuse and loss of recharge.		Public, PL, BWSR, DNR, MDH, PWG, AC, WRAPS	Groundwater quantity, Well interference, groundwater appropriation, increasing irrigation, stream water levels where connected, DNR groundwater layer map. Priority areas are where there are the most reported well interferences and the most groundwater appropriation permits.

Resource Category	Impacted Resource	Issue Statement	Planning Region Prioritization	Sources (Acronyms key on last page)	Notes
	Lakes, Streams	Stormwater runoff from developed areas and roads causes contamination of lakes and streams.		MPCA, WRAPS	Apply to towns, impervious surface, rain gardens, gutter projects, water quality study in Red Lake Falls, stormwater regulations? MIDS? Priority areas are where there are towns.
	High Quality Resources	Biologically significant lakes, shallow lakes, wild rice, calcareous fens and trout streams need sufficient protections to maintain their water and habitat quality. <i>Drop</i>		BWSR, DNR, PWG, AC	Addresses quality and protection, mussels, calcareous fens, sulfate impairments?, sturgeon and all fish spawning habitat, high quality lakes and streams
	Forests, Grasslands, Prairies	Fragmentation and conversion of uplands by changes in land use impacts land resilience, habitat, surface, and ground water quality. <i>Drop</i>		Public, CLAA, BWSR, DNR, PWG, AC	Includes pollinators, terrestrial invasive species (Buckthorn, Emerald Ash Borer), private forest management, loss of CRP, MN Prairie Plan, design projects for increasing precipitation. DNR forest disturbance layer.
NEW ISSUE COMBINING TWO ISSUES ABOVE	Lakes, Wild Rice, Fens, Trout Streams, Forests, Grasslands, Prairies	Changes in land use and resource protection impact high quality resources, land resilience, habitat, and surface and groundwater quality. Bump up the Hill river Planning Region to medium		Public, CLAA, BWSR, DNR, PWG, AC, MDH	Goal would be to protect lands, SFIA, Conservation Easements, Forest Management Plans, protect resources from future disturbance Addresses quality and protection, mussels, calcareous fens, sulfate impairments?, sturgeon and all fish spawning habitat, high quality lakes and streams. Includes pollinators, terrestrial invasive species (Buckthorn, Emerald Ash Borer), private forest management, loss of CRP, MN Prairie Plan, design projects for increasing precipitation. DNR forest disturbance layer.

Priority 'C' Issues

Priority C Issues were not selected as 10-year priorities by Clearwater Watershed stakeholders and may already be addressed by other funding sources and plans.

- Increasing **chloride** concentrations from many sources (water softeners, industry, road salts) can impact water quality. *(Emerging issue)*
- **Aquatic Invasive Species** impact the aquatic ecosystem, recreation, and economic development. *(Being covered by AIS plans and funding)*
- More **outdoor recreation access** is needed for the public to enjoy the natural resources of the watershed. *(Indirect link to water quality, was a low priority for citizens, and is addressed by separate local, state and federal plans and agencies)*

Sources Acronyms Key:

Public = Top 5 ranked issues in the public survey

PL = Public letters

CLAA = Clearwater Lake Area Association letter

BWSR = 60 Day letter

MPCA = 60 Day letter

DNR = 60 Day letter

MDA = 60 Day letter

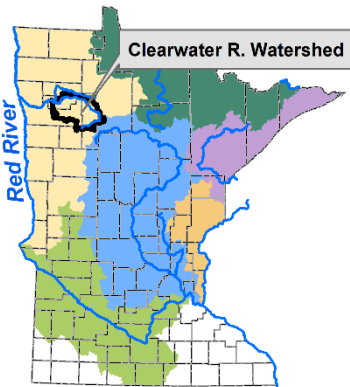
MDH = 60 Day letter

PWG = Planning Work Group Brainstorm

AC = Advisory Committee Brainstorm

WRAPS = Watershed Restoration and Protection Strategy

One Watershed One Plan Progress

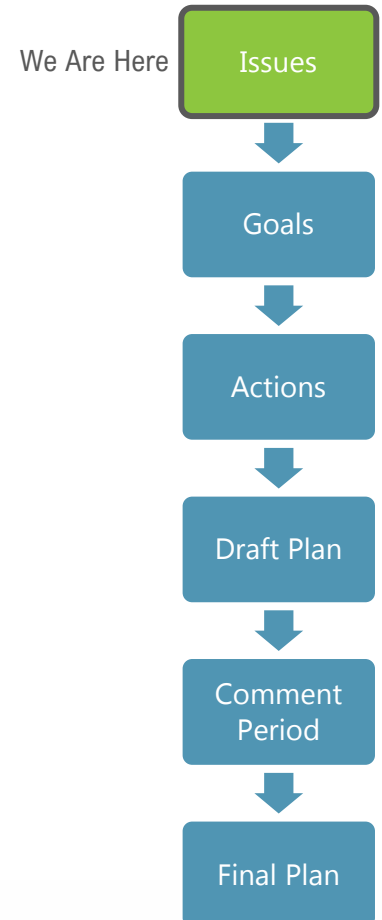


The Clearwater River Watershed includes the Clearwater River, Ruffy Brook, Lost River, Hill River, Poplar River, Lower Badger Creek and their tributaries. Major lakes in the watershed include Clearwater, Maple, and Pine lakes. The Counties, Soil and Water Conservation Districts, and Watershed District in this area (see project partners below) began a state-funded planning process in 2021 to prioritize where to work and what to work on in the watershed.

The Clearwater River Watershed One Watershed One Plan effort formally began in June 2021 with Public Open House events held in Brooks and Gonvick. At these meetings, participants learned about the watershed and planning process and had a chance to offer input by discussing potential issues and opportunities for the plan to address.

Issues gathered from the public were compiled and compared to priorities from state agencies and existing county water plans, resulting in a watershed issues list. These issues were then prioritized using existing data and local knowledge to determine what the priorities of this plan will be. Priorities included bacteria, phosphorus, and sediment runoff, streambank erosion, soil health, groundwater quality and quantity, wetland protection, and protection of high-quality lakes, streams and forests. The next step is to set measurable goals for restoration and protection of water quality in the watershed.

Project Timeline



Project Partners:

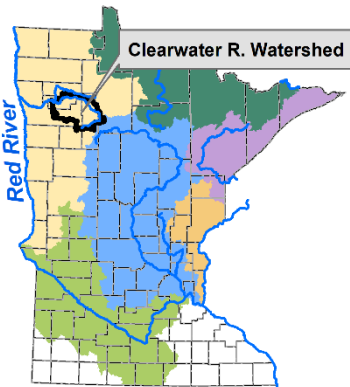
Clearwater County & SWCD
Red Lake County & SWCD
Polk County & East Polk SWCD
Pennington County & SWCD
Red Lake Watershed District
<https://www.rlwdwatersheds.org/clearwater1w1p>

Main Contact:

Chester Powell
Clearwater SWCD
Chester.Powell@mn.nacdnet.net



One Watershed One Plan Progress

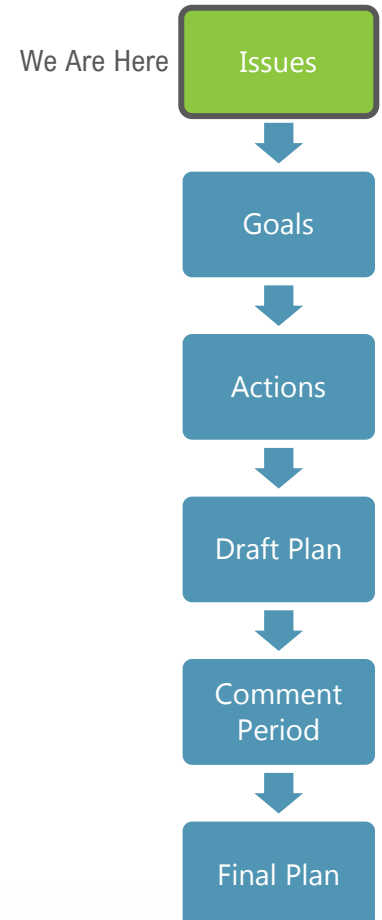


The Clearwater River Watershed includes the Clearwater River, Ruffy Brook, Lost River, Hill River, Poplar River, Lower Badger Creek and their tributaries. Major lakes in the watershed include Clearwater, Maple, and Pine lakes. The Counties, Soil and Water Conservation Districts, and Watershed District in this area (see project partners below) began a state-funded planning process in 2021 to prioritize where to work and what to work on in the watershed.

The Clearwater River Watershed One Watershed One Plan effort formally began in June 2021 with Public Open House events held in Brooks and Gonvick. At these meetings, participants learned about the watershed and planning process and had a chance to offer input by discussing potential issues and opportunities for the plan to address.

Issues gathered from the public were compiled and compared to priorities from state agencies and existing county water plans, resulting in a watershed issues list. These issues were then prioritized using existing data and local knowledge to determine what the priorities of this plan will be. Priorities included bacteria, phosphorus, and sediment runoff, streambank erosion, soil health, groundwater quality and quantity, wetland protection, and protection of high-quality lakes, streams and forests. The next step is to set measurable goals for restoration and protection of water quality in the watershed.

Project Timeline



Project Partners:

Clearwater County & SWCD
Red Lake County & SWCD
Polk County & East Polk SWCD
Pennington County & SWCD
Red Lake Watershed District
<https://www.rlwdwatersheds.org/clearwater1w1p>

Main Contact:

Chester Powell
Clearwater SWCD
Chester.Powell@mn.nacdnet.net

