

RED LAKE WATERSHED DISTRICT
June 24, 2021, 9:00 a.m.
Agenda

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	June 10, 2021 Minutes	Action
	Financial Report dated June 23 , 2021	Action
	General Fund Budget-May 2021	Information
	2022 Budget and Salary Timeline	Information
9:15 a.m.	Excess/Surplus Property Bid Opening	Info./Action
	Ditch 10, RLWD Project No. 161-Repairs to Outlet Pay Estimate No. 2	Action
	Black River Impoundment, RLWD Project No. 176 Pay Estimate No. 8	Information Action
	City of TRF Oxbow Rest. & Stormwater Treatment, RLWD Proj. 46Q	Info./Action
	Thief River 1W1P, RLWD Project No. 149A Mud River Project Work Team	Action
	Euclid East, RLWD Project No. 60-Outlet Channel Update	Information
	Agassiz Wetland Habitat Quality and Management Enhancement RLWD Project No. 180A	Information
	JD 72, RLWD Project No. 41 Redetermination of Benefits Continued Hearing- June 24, 2021, 2:00 p.m., McIntosh City Hall	Information
	River Watch Agreements - Win-E-Mac and Red Lake Falls	Action
	Craig & Linda Larson Ring Dike, RLWD Project No. 129AV	Information
	Permit Extension No. 20107, Enbridge Energy	Action

Permits: No. 21030, 21077, 21079, 21081-21087, 21089	Action
Juneteenth Federal holiday	Info./Action
Administrators Update	Information
Legal Counsel Update	Information
Managers' updates	Information
Adjourn	Action

UPCOMING MEETINGS

June 24, 2021	JD 72, Proj. 41, Redetermination of Benefits Continued Hearing, McIntosh, 2:00 p.m.
July 5, 2021	Office Closed-Observe Independence Day Holiday
July 8, 2021	RLWD Board Meeting, 9:00 a.m.
July 21, 2021	Red River Basin Commission Tour
July 22, 2021	RLWD Board Meeting, 9:00 a.m.

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
June 10, 2021

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

Present: Managers: Terry Sorenson, Gene Tiedemann, Tom Anderson, Brian Dwight, Allan Page and LeRoy Ose. Absent: Dale M. Nelson. Staff Present: Myron Jesme and Tammy Audette, and Legal Counsel, Delray Sparby.

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

The Board reviewed the May 27, 2021 minutes. Motion by Sorenson, seconded by Anderson, to approve the May 27, 2021 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated June 9, 2021. Motion by Anderson, seconded by Dwight, to approve the Financial Report dated June 9, 2021. Motion carried.

Staff member Arlene Novak reviewed the League of MN Cities Insurance Trust 2021-2022 Notice of Premium Options for Standard Premiums of less than \$25,000 Workers Compensation. Following questions of the Regular Premium or Deductible Premium options, a motion was made by Sorenson, seconded by Page, to select the option of Regular Premium and approve Administrator Jesme to sign the renewal form. Upon roll call vote, motioned carried unanimously.

Staff member Nick Olson discussed significant erosion occurring on the west bank, downstream of the Schirrick Dam, RLWD Project No. 25. Olson stated that when the District operates the dam for a flood event, erosion is occurring downstream of the structure due to the high volume of water being released. Discussion was held on reforming the channel and removal of the sand bar. Manager Dwight suggested the use of stream barbs to direct the water away from the bank. Motion by Ose, seconded by Dwight, to proceed with the hiring of an Engineer to determine the needed repairs for downstream of the Schirrick Dam, RLWD Project No. 25. Motion carried. Olson and Manager Page discussed a request from landowner Dave Schirrick to move the access road to the impoundment, further east on an existing berm, to keep traffic away from the Schirrick home. It was the consensus of the Board, that due to the limited number of times the District needs to access the property, and the fact that the Board currently has an easement with the landowner, the District declined the request to move the access road.

Staff member Nick Olson stated that while operating the gates to the summer elevation at the North Parnell Storage Site, RLWD Project No. 154, the local gate tender noticed that a structure gear box had bullet holes in it, therefore he was not able to operate the gate. Staff member Tony Olson received a quote for \$2,682 for a replacement gear box from Northwestern Power Equipment Company, Inc. Manager Ose stated that a report should be filed with the Polk County Sheriff's Department. It was the consensus of the Board, that staff should file a report

with the Polk County Sheriffs Department. Motion by Sorenson, seconded by Ose, to approve the replacement of the gear box for the North Parnell Storage Site, RLWD Project No. 154. Motion carried.

Engineer Tony Nordby, Houston Engineering, Inc., stated that R.J. Zavoral and Sons, Inc., began laying the pipe in County Road 3 for construction of the Black River Impoundment, RLWD Project No. 176. Nordby stated that inspectors found a damaged six-foot section, with a 23” hole, with rebar showing in the west lane of County Road 3. Nordby and Administrator Jesme met with Mike Flaagan, Pennington County Highway Department, recommending that the contractor replace the damaged culvert section. Nordby stated that the contractor began pulling out the culvert sections this morning, to replace the damaged culvert. The culvert was manufactured by Forterra, they will be on site on Monday to determine a repair plan. Nordby noted that the contractor is waiting for True North to deliver pipe, with the excavation crews arriving in the next two weeks to begin construction on the diversion ditches. Work on the utilities is completed. Nordby stated that probing on the potential wetland banking sites has been completed, with the data sent to the Technical Evaluation Panel. A meeting will be scheduled to discuss the results.

Engineer Tony Nordby, Houston Engineering, Inc., stated that R.J. Zavoral and Sons, Inc., installed the air vents last week on the Ditch 10 Outlet Repairs, RLWD Project No. 161. Nordby stated that the plan called for grouting the rock chute to lock things together. After inspecting the site, Nordby determined that there is good gradation, therefore grout would not be needed, noting that since they did not grout the project, they did extend the approach to the riprap. The District will need to monitor the area where the stumps were buried as the landowner had concerns of settling.

The Board reviewed a letter drafted by Engineer. Jerry Pribula, Pribula Engineering, Inc., to Burski Excavating, Inc., regarding a punch list of items for completion of Ditch 16, RLWD Project No. 177. Administrator Jesme stated that the pipe that was bored under County Road 66, has had settling occur. Discussion will be held with Polk County Highway Department to determine the correct action to take. It was noted that some excavation was completed in the area for utilities, which could have caused some settling. Burski Excavating, Inc., may hire a local contractor to complete the punch list items.

Staff members Nick Olson and Tony Olson reviewed a profile sheet of Branch 108, Ditch 12, RLWD Project No. 169. The Board had directed the staff to solicit quotes for the replacement of a culvert in Branch 108. Nick Olson stated that that District does not have an as-built plan of the lateral and should consider completing a set of as-built plans. Tony Olson received a quote in the amount of \$4,772.40 for a 12-gauge culvert or \$3,242.40 for the 14-gauge culvert, plus freight and incidentals. Motion by Ose, seconded by Page, to authorize the purchase of the 12-gauge culvert from TrueNorth Steel in the amount of \$4,772.40, plus incidentals, for the installation in Branch 108 of Ditch 12, RLWD Project No. 169. Motion carried.

Administrator Jesme informed the Board that R.J. Zavoral & Sons, Inc., has been working on the punch list of items for completion of the Thief River Falls Westside Flood Damage Reduction

Project, RLWD Project No. 178. Jesme submitted an email to R.J. Zavoral & Sons, Inc., and MnDOT regarding the Highway 32 box culvert that was damaged.

Administrator Jesme discussed the purchase of temporary right-of-way for replacement of the outlet structure on the Pine Lake Flood Damage Reduction and Fish Habitat Project, RLWD Project No. 26B. Jesme questioned how to pay the landowner for temporary right-of-way where the District will need to take down trees for staging but will not be needed for permanent right-of-way. Jesme stated that .368 acres will be required, recommending that the District pay the landowner the taxable market value for temporary right of way versus the 1.2 multiplier used for permanent right of way. Motion by Ose, seconded by Dwight, to pay the landowner for .368 acres at the taxable market value for the Pine Lake Flood Damage Reduction and Fish Habitat Project, RLWD Project No. 26B. Motion carried. The landowner has indicated that they would like the wood from the trees that will be removed during construction. Engineer Nate Dalager, HDR Engineering, Inc., discussed the completion of the Plans and Specifications, and possibility of advertising for bids prior to receiving the MnDNR permit. Motion by Ose, seconded by Sorenson, to approve the Plans and Specification for the Pine Lake Flood Damage Reduction and Fish Habitat Project, RLWD Project No. 26B, with a bid opening of 9:30 a.m. on July 22, 2021, at the District office. Motion carried.

The Board reviewed the permits for approval. Motion by Page, seconded by Anderson, to approve the following permits with conditions stated on the permit: No. 21068, Christian Kiel, Kiel Corporation, Hammond Township, Polk County; No. 21069, Tim Bakken, Emardville Township, Red Lake County; No. 21070, Richard Salentiny, Garnes Township, Red Lake County; No. 21071 and 21072, Lon & Lawrence Vettleon, Hickory Township, Pennington County; No. 21073, Tracee Bruggeman, Goodridge Township, Pennington County; No. 21074, Mike Tiedemann, Crookston Township, Polk County; No. 21075, Madeline Hangsleben, Huntsville Township, Polk County; No. 21076, FSMN Agri Partners GP, Cloverleaf Township, Pennington County; and No. 21078, Marshall County Highway Department, Rollis Township, Marshall County. Motion carried.

The Board reviewed correspondence from landowner Dennis McCullough regarding the Buffer Law.

The MAWD Region 1 meeting will be held June 22, 2021 at the Wild Rice Watershed District office in Ada, MN. Managers Anderson, Sorenson, Ose and Tiedemann plan to attend.

The Red River Basin Commission Tour will be held July 21, 2021 and will tour several District projects. Managers Anderson, Dwight, Tiedemann and Ose, plan to participate in the tour.

Administrators Report:

- Manager Ose will attend the June 15, 2021 RRWMB Board meeting. The Flood Damage Reduction Workgroup will be meeting on June 16th via Webex. Jesme attended the RRWMB Budget and Finance Committee meeting on June 3 in the District office.
- Bid opening on the Thief River Falls Oxbow Project will take place on June 16th in the City Council Chambers.

- There will be a Clearwater River 1W1P Kick-off meeting on June 10th, in Brooks and Gonvick. Staff members Corey Hanson and Christina Slowinski will attend. The Policy Committee meeting will be held on June 23rd at 1:00 p.m.
- Jesme and Peter Nelson have been asked to participate in the Minnesota Agriculture and Rural Leadership Program (MARL) on June 23rd. MARL is a statewide program which helps to develop the skills of MN Agricultural and rural leaders so they may maximize their impact and effectiveness in local, state, national, and international arenas.
- The Red Lake Falls River Watch Team won first place during the 26th Annual River Watch forum.
- Minnesota Association of Watershed Administrators will meet on June 11th.
- Jesme will be using sick leave on June 14th and 15th and vacation on June 17th and 18th.

Legal Counsel Sparby stated that he has not heard a decision from the courts on the Appeal for the Improvement to Polk County Ditch 39, RLWD Project No. 179.

Manager Ose stated that he was at the outlet of the Agassiz National Wildlife Refuge, reporting that no water is coming out of the refuge, with a small amount of water coming from Farmes Pool and Ditch 18.

Manager Sorenson discussed the meeting he participated in, along with Administrator Jesme and staff from Houston Engineering and the Sandhill River Watershed District regarding a potential boundary change in Onstad Township, Polk County.

Motion by Ose, seconded by Sorenson, to adjourn to June 22, 2021 to allow the Board to participate in the MAWD Region 1 Managers Meeting to be held at the Wild Rice Watershed District in Ada, MN at 9:00 a.m.

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for June 23, 2021

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,381.87
online	MN Department of Revenue	Withholding taxes	802.95
online	Public Employees Retirement Assn.	PERA	2,801.03
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	329.43
online	MN Department of Revenue	Withholding taxes	54.28
38877	Itasca Community College	Tuition for class for Nate Koland	636.21
38878	Christina Slowinski	Per diem meal	23.00
38879	MN BWSR	Reimburse for ACH erroneously deposited in RLWD acct.	200.00
38880	Cenex Credit Card	Gas for vehicles	348.95
38881	Corporate Technologies LLC	Monthly IT support and 17 Microsoft Office 365	1,297.50
38882	Davidson Construction, Inc.	Class 3 and Class 5 for Agassiz grant-Proj. 180A	4,680.00
38883	Delta Dental	Dental insurance premium	776.75
38884	Farmers Union Oil Company	Gas for vehicles	766.61
38885	Further	FSA and HSA account fees	11.00
38886	HDR, Inc.	TRF Oxbow engineering fees	51,653.65
38887	Houston Engineering, Inc.	*See below for project explanation and amount	40,545.14
38888	Hubert's Outdoor Power	Chain saw file	3.98
38889	Hudson Electric LLC	Change out light fixture to LED and LED bulbs (4)	225.44
38890	League of MN Cities Ins. Trust	Workers Compensation insurance	3,965.00
38891	Matrix Trust Company	Deferred Compensation	1,694.63
38892	Rusty Nelson	Remove 4 beaver from Lost River	300.00
38893	Northwest Beverage, Inc.	H2O for office	47.00
38894	Oil Boyz Express Lube	Change oil on 2019 Chev. Pickup	78.21
38895	Pitney Bowes Global Financial	Postage meter rental	84.00
38896	Pennington SWCD	Matting installation-trees at Black River church	240.00
38897	Purchase Power	Postage and fee	301.50
38898	Rinke Noonan	Legal fees for Improvement to Polk Co. Ditch 39	678.00
38899	RMB Environmental Laboratories	Lab analysis of water quality samples	3,425.00
38900	Sun Life Financial	Life insurance premium	158.29
38901	Gene Tiedemann	Mileage and reimburse for office supplies	804.92
38902	TrueNorth Steel	Culvert for Ulrich-Black River Impoundment (reimbursable item)	10,255.66
direct	Tom Anderson	Mileage	125.44
online	Cardmember Services	**See below for breakout	757.13
online	Further	HSA contributions of employees	177.50
online	Aflac	Staff paid insurances	541.74
	Payroll		
	Check #12240-12250		14,362.56
	Total Checks		\$ 147,534.37

*** Houston Engineering, Inc.**

Proj. 149 RL1W1P-Ditch 10 Outlet	23,306.15
Proj. 149 RL1W1P-Demarais/Hanson	832.25
Proj. 149A TR1W1P-Dt. 83 Streamba	716.25
Proj. 176 Black River Impoundment	<u>15,690.49</u>
Total	40,545.14

**** Cardmember Service**

ATT-Cell phone payments & expense	410.74
Hugo's-small freezer for water quality	169.99
Quality Farm-Oat seed for Black Rvr	11.50
Forestry Suppliers-Calibration solutio	124.17
Forestry Suppliers-Secchi disc	<u>40.73</u>
Total	757.13

Banking

Northern State Bank

Balance as of June 9, 2021	\$ 106,193.19
Total Checks Written	(147,534.37)
Receipt #989951 Polk County-Nature Conservancy PILT	7,922.72
Receipt #989952 Marshall County-Minerals and Delinquent taxes	2,040.69
Receipt #989953 RRWMB-Reimburse for Black River Impoundment Pay Request #2	559,053.01
Receipt #989955 Roseau County-Current tax settlement	203.33
Receipt #989956 Polk County-Current and delinquent taxes and special revenue	927,734.67
Balance as of June 23, 2021	<u>\$ 1,455,613.24</u>

Current interest rate is .20%

American Federal Bank-Fosston

Balance as of June 9, 2021	\$ 2,938,155.98
Receipt #989954 RRWMB-Reimburse for Pay request #3-Black River Impoundment	1,570,056.94
Balance as of June 23, 2021	<u>\$ 4,508,212.92</u>

Current interest rate is .50%

Unity Bank-CD

12 month CD @ .84% Mature July 2021	\$ 200,000.00
Interest paid quarterly	

2021 GENERAL FUND BUDGET

as of May 31, 2021

(unaudited)

	2021 BUDGET	2021 Exp	(over) under	2nd Qtr Exp.
		TO 5-31-21		
Manager's fees, salaries	40,000.00	7,720.00	32,280.00	20,000.00
Board of Manager's expense	24,200.00	2,759.39	21,440.61	12,100.00
Staff salaries	558,000.00	168,344.87	389,655.13	279,000.00
Payroll taxes	42,687.00	12,532.99	30,154.01	21,343.50
Employee benefits	85,000.00	22,539.70	62,460.30	42,500.00
Travel and meetings(inc. mileage & exp.	5,000.00	0.00	5,000.00	2,500.00
Audit	9,450.00	9,450.00	0.00	4,725.00
Legal	16,000.00	2,614.00	13,386.00	8,000.00
Office supplies	20,000.00	7,736.93	12,263.07	10,000.00
Office equipment	30,000.00	0.00	30,000.00	15,000.00
Appraiser/Viewer Expense	2,000.00	0.00	2,000.00	1,000.00
Professional services (inc. Eng. Fees)	20,000.00	9,268.00	10,732.00	10,000.00
Dues and subscriptions	10,000.00	7,680.00	2,320.00	5,000.00
Insurance and bonds	30,000.00	0.00	30,000.00	15,000.00
Repairs and maintenance-Building	15,000.00	3,688.27	11,311.73	7,500.00
Utilities	12,000.00	4,199.85	7,800.15	6,000.00
Advertising and publications	4,000.00	4,274.30	(274.30)	2,000.00
Telephone	13,000.00	3,870.17	9,129.83	6,500.00
Vehicle expense and maintenance	15,000.00	5,104.65	9,895.35	7,500.00
Engineering supplies	3,000.00	965.68	2,034.32	1,500.00
Engineering equipment	40,000.00	0.00	40,000.00	20,000.00
Interest	0.00	0.00	0.00	0.00
TOTAL	994,337.00	272,748.80	721,588.20	497,168.50
Less: Overhead	837,000.00	240,697.79	(596,302.21)	418,500.00
Less: Miscellaneous revenue	7,000.00	479.65	(6,520.35)	3,500.00
General Fund Budget	150,337.00	31,571.36	118,765.64	75,168.50

		TO 5-31-21
January 1, 2021 Beg. Balance	212,187.05	212,187.05
County levies revenue	0.00	3,225.05
Gross balance with revenue		215,412.10
Less net expenses		(31,571.36)
Subtotal- General Fund w/o interest		183,840.74
Plus interest earned-if allocated to GF 100%		6,820.56
General Fund Balance 5-31-21		<u>190,661.30</u>

2022 General Fund Budget proposed timeline:

- On or before July 22, 2021 Budget and Salary committee meet and prepare budget for July 22 Board meeting
- July 22, Proposed budget is presented to full Board for discussion and approval; set hearing date and time for August 26, 2021
- August 26, 2021 Hearing on 2022 Proposed Budget
- September 9, 2021 Board secretary sign levies and submit to auditors by September 15, 2021

2020 Minnesota Statutes

103D.911 BUDGET.

§

Subdivision 1.**Hearing.**

(a) Before adopting a budget, the managers shall hold a public hearing on the proposed budget.

(b) The managers shall publish a notice of the hearing with a summary of the proposed budget in one or more newspapers of general circulation in each county consisting of part of the watershed district. The notice and summary shall be published once each week for two successive weeks before the hearing. The last publication shall be at least two days before the hearing.

Subd. 2.**Adoption.**

On or before September 15 of each year, the managers shall adopt a budget for the next year and decide on the total amount necessary to be raised from ad valorem tax levies to meet the watershed district's budget.

History:

[*1990 c 391 art 4 s 70; 1994 c 416 art 1 s 2*](#)

Official Publication of the State of Minnesota
Revisor of Statutes

Red Lake Watershed District
1000 Pennington Avenue South
Thief River Falls, MN 56701

Sale of Surplus Property

Sealed bids will be accepted until 4:30 p.m., June 23, 2021 at the Red Lake Watershed District (RLWD) office, 1000 Pennington Avenue South, Thief River Falls, MN 56701, and publicly opened at the RLWD Board of Managers meeting on June 24, 2021 at 9:15 a.m. for the sale of the items listed below. Items are available for inspection by interested bidders at the RLWD office between the hours of 8:00 a.m. – 4:00 p.m., Monday-Friday. Bid forms may be obtained by contacting the RLWD at 218-681-5800 or on the RLWD website at redlakewatershed.org Items will be sold in “as is” condition. The RLWD as seller reserves the right to accept or reject any or all bids.

Additional items may be added prior to the bid opening. If miscellaneous items are not listed, please list the item and bid amount on Line 13.

Name _____
(please print)

Address: _____

Phone No. _____

Item No.	Item	Bid Amount
1	Drafting chair	
2	Printer stand	
3	10 Drawer wooden flat file	
4a	4 drawer fireproof file cabinet	
4b	4 drawer fireproof file cabinet	
4c	4 drawer fireproof file cabinet	
5a	Folding table 5'	
5b	Folding table 5'	
5c	Folding table 6'	
5d	Folding table 6'	
6	2-place aluminum snowmobile trailer	

Item No.	Item	Bid Amount
7	Snowblower-MTD 8 HP 26" cut electric start	
8	2008 Arctic Cat Snowmobile T570 2-up snowmobile w/third seat,165 miles	
9	2005 4WD Arctic Cat 4-wheeler 400 CC automatic, 2996 miles	
10	Canned Lighting	
11a	Paper towel dispenser	
11b	Paper towel dispenser	
11c	Paper towel dispenser	
12a	Humidifer	
12b	Humidifer	
13a	Misc Item – TV/VCR Combo	
13b	Misc Item – Wall Decorations	
13c	Misc Item - Misc. Box of Items	
13d	Misc Item – Office Chair	
13e	Misc Item	
13f	Misc Item	
13g	Misc Item	
13h	Misc Item	
13i	Misc Item	
13j	Misc Item	
13k	Misc Item	

Signature: _____ Date: _____

PARTIAL PAYMENT ESTIMATE

Client Project No.
161

HEI Project No.
3655-0091

PAYMENT NUMBER: 2

Project: Red Lake Watershed District Ditch 10 Outlet Repair
Location: Section 18, Gervais Twp., Red Lake County

PERIOD OF ESTIMATE:
FROM **5/25/2021** TO **6/18/2021**

CONTRACT CHANGE ORDER SUMMARY				ESTIMATE	
Change Order		AMOUNT			
NO.	DATE	ADDITIONS	DEDUCTIONS		
1	05/05/21	\$7,500.00		1. Original Contract	\$ 218,498.95
2	05/26/21	\$5,735.04		2. Change Orders	\$ 13,235.04
				3. Revised Contract (1+2)	\$ 231,733.99
				4. Work Completed*	\$ 206,594.29
				5. Stored Materials*	\$ -
				6. Adjustments*	\$ -
				7. Subtotal (4+5+6)	\$ 206,594.29
				8. Retainage 5.00%	\$ 10,329.71
				9. Previous Payments	\$ 155,644.20
				10. Amount Due (7-8-9)	\$ 40,620.38
TOTALS		\$ 13,235.04	\$ -	*Detailed Breakdown Attached if Non-Zero Value	
NET CHANGE		\$ 13,235.04			

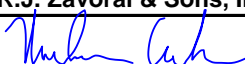
CONTRACT TIME

Completion Date Contract

Original (days)	N/A	On Schedule? Yes	Starting Date: <u>4/23/2021</u>
Revised	N/A		
Remaining	N/A		Final Completion: <u>7/30/2021</u>


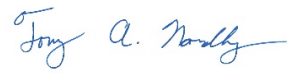
CONTRACTOR'S CERTIFICATION:

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: 
 Nicholas Carlin
 Date: 6/23/2021

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.

 **Houston Engineering Inc.**
 Engineer: 
 By: Tony A. Nordby
 Date: 6/22/2021

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. 161
 HEI Project No. 3655-0091
 Project: Red Lake Watershed District Ditch 10 Outlet Repair
 Location: Section 18, Gervais Twp., Red Lake County
 Contractor: R.J. Zavoral & Sons, Inc.

PAY ESTIMATE

Page 1 of 1

PAY ESTIMATE #:	2
SUBMITTED:	6/22/2021
BEGIN DATE:	5/25/2021
END DATE:	6/18/2021

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	1.00	\$ 10,000.00	\$ 10,000.00		\$ -	1.	\$ 10,000.00	1.	\$ 10,000.00
2101.501	CLEARING AND GRUBBING	Acre	0.39	\$ 10,000.00	\$ 3,900.00		\$ -	0.39	\$ 3,900.00	0.39	\$ 3,900.00
2104.502	REMOVE HEADWALL	Each	1.00	\$ 4,500.00	\$ 4,500.00		\$ -	1.	\$ 4,500.00	1.	\$ 4,500.00
2104.607	SALVAGE RIPRAP SPECIAL (P)	C.Y.	436.00	\$ 15.00	\$ 6,540.00	467.	\$ 7,005.00	218.	\$ 3,270.00	685.	\$ 10,275.00
2105.507	COMMON EXCAVATION (P)	C.Y.	9,115.00	\$ 3.65	\$ 33,269.75	3,845.	\$ 14,034.25	5,270.	\$ 19,235.50	9,115.	\$ 33,269.75
2105.601	DEWATERING	Lump Sum	1.00	\$ 1.00	\$ 1.00	1.	\$ 1.00		\$ -	1.	\$ 1.00
2123.510	DOZER	Hour	5.00	\$ 175.00	\$ 875.00	2.	\$ 350.00		\$ -	2.	\$ 350.00
2451.507	GRANULAR BEDDING (CV) (P)	C.Y.	309.00	\$ 28.50	\$ 8,806.50		\$ -	249.	\$ 7,096.50	249.	\$ 7,096.50
2461.507	CONCRETE MIX NO. 3A GROUT	C.Y.	66.00	\$ 211.00	\$ 13,926.00		\$ -		\$ -		\$ -
2501.502	60" RC PIPE APRON	Each	1.00	\$ 2,450.00	\$ 2,450.00		\$ -	1.	\$ 2,450.00	1.	\$ 2,450.00
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS III	Lin. Ft.	208.00	\$ 358.00	\$ 74,464.00	10.	\$ 3,580.00	198.	\$ 70,884.00	208.	\$ 74,464.00
2502.502	12" CONCRETE HEADWALL	Each	1.00	\$ 4,350.00	\$ 4,350.00		\$ -	1.	\$ 4,350.00	1.	\$ 4,350.00
2502.503	4" PERF. PE PIPE DRAIN	Lin. Ft.	788.00	\$ 2.50	\$ 1,970.00		\$ -	408.	\$ 1,020.00	408.	\$ 1,020.00
2511.507	RANDOM RIPRAP CLASS II	C.Y.	110.00	\$ 83.00	\$ 9,130.00		\$ -	110.	\$ 9,130.00	110.	\$ 9,130.00
2511.507	RANDOM RIPRAP CLASS III	C.Y.	261.00	\$ 83.00	\$ 21,663.00	91.	\$ 7,553.00	198.	\$ 16,434.00	289.	\$ 23,987.00
2511.507	GRANULAR FILTER (P)	C.Y.	120.00	\$ 61.00	\$ 7,320.00		\$ -	120.	\$ 7,320.00	120.	\$ 7,320.00
2573.501	STABILIZED CONSTRUCTION EXIT	Each	1.00	\$ 2,200.00	\$ 2,200.00		\$ -		\$ -		\$ -
2573.502	CULVERT END CONTROLS	Each	1.00	\$ 65.00	\$ 65.00		\$ -		\$ -		\$ -
2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER (12 INCH)	Lin. Ft.	508.00	\$ 1.40	\$ 711.20		\$ -		\$ -		\$ -
2573.503	SILFT FENCE, TYPE MS	Lin. Ft.	770.00	\$ 1.40	\$ 1,078.00		\$ -	890.	\$ 1,246.00	890.	\$ 1,246.00
2574.508	FERTILIZER, TYPE 1	Pound	1,350.00	\$ 0.54	\$ 729.00		\$ -		\$ -		\$ -
2575.504	EROSION CONTROL BLANKET CATEGORY 3N	S.Y.	3,310.00	\$ 1.45	\$ 4,799.50		\$ -		\$ -		\$ -
2575.505	SEEDING	Acre	5.41	\$ 650.00	\$ 3,516.50		\$ -		\$ -		\$ -
2575.505	DISK ANCHORING SEED MIXTURE 22-112	Acre	2.15	\$ 55.00	\$ 118.25		\$ -		\$ -		\$ -
2575.508	SEED MIXTURE 22-112	Pound	71.00	\$ 4.25	\$ 301.75		\$ -		\$ -		\$ -
2575.508	SEE MIXTURE 25-121	Pound	174.00	\$ 4.25	\$ 739.50		\$ -		\$ -		\$ -
2575.509	MULCH MATERIAL TYPE 1	Ton	4.30	\$ 165.00	\$ 709.50		\$ -		\$ -		\$ -
2575.601	SEED MIXTURE CP-23A	Pound	17.00	\$ 21.50	\$ 365.50		\$ -		\$ -		\$ -
Extra / Change Order Items											
2104.601	SALVAGE & INSTALL 15" CS PIPE CULVERT	Lin. Ft.	74.	\$ 36.96	\$ 2,735.04	74.	\$ 2,735.04		\$ -	74.	\$ 2,735.04
2411.607	CONCRETE PIPE CRADLE	C.Y.	6.	\$ 500.00	\$ 3,000.00		\$ -	6.	\$ 3,000.00	6.	\$ 3,000.00
2501.601	AIR VENT	Each	3.	\$ 2,500.00	\$ 7,500.00	3.	\$ 7,500.00		\$ -	3.	\$ 7,500.00
Totals											
Original Contract Amount					\$ 218,498.95						
Extra / Change Order Amount					\$ 13,235.04						
Work Completed							\$ 42,758.29		\$ 163,836.00		\$ 206,594.29

PARTIAL PAYMENT ESTIMATE

Client Project No.
176

HEI Project No.
3655-0091

PAYMENT NUMBER: 8

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

PERIOD OF ESTIMATE:
FROM **5/22/2021** TO **6/18/2021**

CONTRACT CHANGE ORDER SUMMARY				ESTIMATE	
Change Order		AMOUNT			
NO.	DATE	ADDITIONS	DEDUCTIONS		
1	01/15/21	\$51,564.65		1. Original Contract	\$ 4,374,457.66
2	05/06/21	\$3,691.44		2. Change Orders	\$ 55,256.09
				3. Revised Contract (1+2)	\$ 4,429,713.75
				4. Work Completed*	\$ 2,764,752.85
				5. Stored Materials*	\$ 35,161.40
				6. Adjustments*	\$ -
				7. Subtotal (4+5+6)	\$ 2,799,914.25
				8. Retainage 5.00%	\$ 139,995.71
				9. Previous Payments	\$ 2,330,852.03
				10. Amount Due (7-8-9)	\$ 329,066.51
TOTALS		\$ 55,256.09	\$ -	*Detailed Breakdown Attached if Non-Zero Value	
NET CHANGE		\$ 55,256.09			

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: 06/23/2021

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: 6/22/2021

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

PAY ESTIMATE #:	8
SUBMITTED:	6/24/2021
BEGIN DATE:	5/22/2021
END DATE:	6/18/2021

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		\$ -	0.8	\$ 24,000.00	0.8	\$ 24,000.00
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	72.	\$ 720.00	499.	\$ 4,990.00	571.	\$ 5,710.00
2104.503	SALVAGE AND INSTALL PIPE CULVERT	Lin. Ft.	110	\$ 95.00	\$ 10,450.00	20.	\$ 1,900.00		\$ -	20.	\$ 1,900.00
2104.504	REMOVE BITUMINOUS PAVEMENT	SY	1,304	\$ 7.80	\$ 10,171.20	839.	\$ 6,544.20		\$ -	839.	\$ 6,544.20
2105.507	COMMON EXCAVATION (P)	C.Y.	286,438	\$ 1.78	\$ 509,859.64		\$ -	4,641.	\$ 8,260.98	4,641.	\$ 8,260.98
2105.601	DEWATERING	Lump Sum	1	\$ 14,905.00	\$ 14,905.00		\$ -		\$ -		\$ -
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	5,788.	\$ 10,129.00	65,934.	\$ 115,384.50	71,722.	\$ 125,513.50
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		\$ -		\$ -		\$ -
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	439.	\$ 6,255.75		\$ -	439.	\$ 6,255.75
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	Ton	330	\$ 105.00	\$ 34,650.00	194.62	\$ 20,435.10		\$ -	194.62	\$ 20,435.10
2411.601	CONCRETE OUTLET STRUCTURE	Each	1	\$ 195,000.00	\$ 195,000.00	0.2	\$ 39,000.00	0.65	\$ 126,750.00	0.85	\$ 165,750.00
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		\$ -		\$ -		\$ -
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		\$ -		\$ -		\$ -
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	284.	\$ 6,106.00		\$ -	284.	\$ 6,106.00
2451.507	GRANULAR BEDDING (CV) (P)	C.Y.	1,573	\$ 21.50	\$ 33,819.50	544.	\$ 11,696.00	284.	\$ 6,106.00	828.	\$ 17,802.00
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		\$ -	2.	\$ 4,600.00	2.	\$ 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		\$ -	2.	\$ 710.00	2.	\$ 710.00
2501.502	42" SPAN GS PIPE-ARCH APRON	Each	8	\$ 470.00	\$ 3,760.00		\$ -	6.	\$ 2,820.00	6.	\$ 2,820.00
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		\$ -		\$ -		\$ -
2501.502	73" SPAN GS PIPE-ARCH APRON	Each	8	\$ 2,300.00	\$ 18,400.00		\$ -	6.	\$ 13,800.00	6.	\$ 13,800.00
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		\$ -		\$ -		\$ -
2501.503	24" CS PIPE CULVERT	Lin. Ft.	328	\$ 35.00	\$ 11,480.00		\$ -		\$ -		\$ -
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		\$ -	42.	\$ 2,226.00	42.	\$ 2,226.00



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 #:	8
SUBMITTED:	6/24/2021
BEGIN DATE:	5/22/2021
END DATE:	6/18/2021

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		\$ -	132.	\$ 7,920.00	132.	\$ 7,920.00
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		\$ -		\$ -		\$ -
2501.503	73" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	158	\$ 130.00	\$ 20,540.00	38.	\$ 4,940.00	120.	\$ 15,600.00	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		\$ -	90.	\$ 17,100.00	90.	\$ 17,100.00
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		\$ -		\$ -		\$ -
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		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS III	C.Y.	3,941	\$ 95.00	\$ 374,395.00		\$ -	1,066.	\$ 101,270.00	1,066.	\$ 101,270.00
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		\$ -	165.	\$ 198.00	165.	\$ 198.00
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		\$ -	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
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
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					\$ 55,256.09						
Work Completed							\$ 346,385.80		\$ 2,418,367.05		\$ 2,764,752.85



APPROVED WATER QUALITY PROGRAM GRANT AGREEMENT 2020-12

September 15, 2020

This grant agreement (the "Agreement") is between the Red River Watershed Management Board (the "RRWMB") and the Red Lake Watershed District (RLWD), the "Grantee".

This Grant is for the Following Project: Thief River Falls Oxbow Restoration and Stormwater Treatment Project

Total Grant Awarded: \$166,000

RECITALS

1. The Laws of Minnesota 1976, chapter 162, section 1, et al., and subsequently amended, authorize the RRWMB to develop, construct, and maintain projects and programs of benefit to the Red River Basin;
2. The RRWMB consists of seven member Watershed Districts (WDs): Joe River WD, The Two Rivers WD, Roseau River WD, Middle River-Snake River WD, Red Lake WD, Wild Rice WD, and Bois de Sioux WD;
3. The Laws of Minnesota, Section 29, chapter 162, section 1, 1976, and subsequently amended, authorize the RRWMB member WDs to levy up to .04836 percent of the taxable market value of all property within the WD. One-half of the levy collected is retained by the individual member WD for development, construction, and maintenance of projects and programs of benefit to the WD. The remaining one-half of this levy is transferred to the RRWMB to fund the development, construction, and maintenance of projects and programs of benefit to the Red River basin (the "RRWMB general fund");
4. The RRWMB must adopt criteria for member WDs to follow in applying for funding from the RRWMB general fund;



5. The RRWMB adopted the Water Quality Program and Application Packet at its meeting of March 10, 2020, to allocate funds from the RRWMB general fund to its member WDs upon a member WD's application for funding from the RRWMB Water Quality Program pursuant to the criteria in RRWMB's Application Packet for Water Quality Program (the "Application Packet," incorporated into this Agreement as Exhibit A) and RRWMB's Funding Procedures for Flood Damage Reduction Projects and Related Programs, and subsequent amendments and updates to these programs and funding procedures;
6. The RRWMB Water Quality and Monitoring Advisory Committee (WQMAC) has assessed the Grantee's application for the **Project** for conformance with the funding criteria detailed in the Application Packet and in RRWMB's Funding Procedures for Flood Damage Reduction Projects and Related Programs, and subsequent amendments and updates to these programs and funding procedures, and recommends that RRWMB award funding to the **Project**;
7. Grantee has submitted an RRWMB approved documentation of project outcomes (the "Work Plan," incorporated into this Agreement as Exhibit B) for this **Project**;
8. Grantee represents that it is duly qualified and agrees to perform all duties, activities, and services described in this Agreement to the satisfaction of RRWMB.

AUTHORIZED REPRESENTATIVE

The RRWMB's authorized representative is: Robert L. Sip
RRWMB Executive Director
11 5th Ave E
Ada, MN 56510

or his successor, and has the responsibility to monitor Grantee's performance and the authority to accept Grantee's performance of duties, activities, and services under this Agreement.

Grantee's authorized representative is: Myron Jesme
Administrator
Red Lake Watershed District
1000 Pennington Avenue South
Thief River Falls, MN 56701



If Grantee's authorized representative changes at any time during this Agreement, Grantee must immediately notify the RRWMB in writing.

AGREEMENT

1. **Scope of Duties, Activities, and Services:** Grantee will perform the duties, activities, and services described in this Agreement and the Application Packet attached as Exhibit A as submitted to the RRWMB. Grantee must not begin work under this Agreement or the Work Plan until both parties have executed this Agreement, and no payment may be made to Grantee prior to full execution of the Agreement, or until a work plan for the **Project** is submitted to and approved by the RRWMB, whichever is later.
2. **Subcontract and Assignment:** Grantee will not assign, subcontract, or transfer any obligations or interest in this Agreement without the prior consent of the RRWMB and an assignment agreement fully approved and executed by the RRWMB's and Grantee's authorized representatives.
3. **Grantee's Duties:**
 - a. **General.** Grantee will comply with required grants management policies and procedures set forth in the Application Packet and RRWMB's Funding Procedures for Flood Damage Reduction Projects and Related Programs, and subsequent amendments and updates to these programs and funding procedures.
 - b. **Implementation.** Grantee will implement the Work Plan for the **Project**. Grantee is responsible for administration, supervision, management, record keeping, and oversight of the **Project** for the work performed under this Agreement.
 - c. **Reporting.**
 - i. Grantee will submit an annual progress report on the status of the implementation of the **Project** to the RRWMB by January 1 of each year, including expenditures and other information in the Application Packet and RRWMB's Funding Procedures for Flood Damage Reduction Projects and Related Programs, and subsequent amendments and updates to these programs and funding procedures.
 - ii. Grantee will, when sharing information about this **Project** through any format or means, identify the RRWMB Water Quality Program.



- iii. Grantee will submit a final report to the RRWMB by January 1 of the year the project was completed or within 30 days of completion of the **Project**, whichever is sooner.
 - iv. All data and information provided in any Grantee report is considered public.
- d. **Match.** Grantee will ensure any cost share and local match requirements will be provided as stated in the Application Packet and the Work Plan.
- e. **Time.** Grantee agrees to complete the **Project** within the period specified in this Agreement and in accordance with the approved grant budget. Grantee must comply with the time requirements in this Agreement. In the performance of the terms of this Agreement, time is of the essence.
- f. **Conflicts of Interest.** Grantee is responsible for monitoring and reporting any actual, potential, or perceived conflicts of interest to the RRWMB's authorized representative for the duration of this Agreement.
4. **Duty of Care; Indemnification:** Grantee will perform the duties, activities, and services under this Agreement with professional best effort. Grantee will defend and indemnify RRWMB, its board members, employees, and representatives, and hold them harmless, from any and all claims, actions, costs, damages, and liabilities of any nature arising from a negligent or otherwise wrongful act or omission, or breach of a specific duty under this Agreement, by Grantee, or one performing duties, activities, or services on its behalf. This provision will not be construed to bar any legal remedies Grantee may have for the RRWMB's failure to fulfill its obligations under this Agreement.

For any claim subject to indemnification under this provision by an employee of Grantee, the indemnification obligation is not limited by a limitation on the amount or type of damages, compensation, or benefits payable by or for Grantee under workers compensation acts, disability acts, or other employee benefit acts.

5. **Terms of Payment:** Grant funds will be distributed on a reimbursement basis upon **Project** completion or upon completion of **Project** milestones as defined in the application materials or other RRWMB requirements, Grantee's submission of an adequate summarized expenditures report, and RRWMB's determination that Grantee has satisfactorily fulfilled all the terms of this Agreement. This grant does not include any advance payment to Grantee.



Prior to any reimbursement, Grantee must submit a report summarizing expenditures for the **Project** for which it seeks reimbursement. Reimbursement and the accompanying summarized expenditures report must be submitted in accordance with the RRWMB Internal Controls and Treasurers Policy Manual, August 21, 2018, as amended April 16, 2019.

All costs eligible for reimbursement must be incurred within the grant period.

If Grantee does not seek reimbursement up to the amount of the total grant awarded as described in this Agreement, the balance of unspent funds will remain with the RRWMB in its general funds. RRWMB's obligation to provide funds under this Agreement will not exceed the total grant awarded as identified in this Agreement.

- 6. Conditions of Payment:** All duties, activities, and services provided by Grantee under this Agreement must be performed in accordance with the terms of this Agreement in order for RRWMB to disburse grant funds to Grantee. RRWMB in its sole discretion will determine Grantee's compliance with the terms of this Agreement; and with any applicable federal laws, State of Minnesota laws, local laws, policies, ordinances, rules, and regulations. RRWMB will not pay Grantee for work that the RRWMB finds unsatisfactory or performed in violation of federal, State of Minnesota, or local law.

Unless otherwise provided in this Agreement, the total grant amount, **\$166,000**, is available to Grantee until the termination date, or until **Project** completion, whichever is sooner.

- 7. Use of Funds:** Funds from the RRWMB made available to Grantee pursuant to this Agreement must only be used for expenses incurred in performing and accomplishing the duties, activities, and services specified in this Agreement. Any reduction of funds allocated to the RRWMB may result in a like reduction in payment of funds to Grantee.
- 8. Termination; Continuation of Obligations; Repayment:** This Agreement is effective when executed by the RRWMB and will remain in force until **December 31, 2021**, or until all obligations under this Agreement have been fulfilled to the satisfaction of the RRWMB, whichever is sooner. Duty of care; obligations to defend, indemnify, and hold harmless; materials; publicity and endorsement; document-retention requirements; monitoring; and governing law will survive the completion of duties, activities, and services under this Agreement and the term of this Agreement.



The RRWMB may immediately terminate this Agreement if the RRWMB finds that Grantee, its employees, or agents has failed to comply with the provisions of the Agreement; that reasonable progress has not been made; or that the purposes for which the funds were granted have not been or will not be fulfilled. The RRWMB may take action to protect the interests of the RRWMB, including the refusal to disburse additional funds and requiring the return of all or part of the funds already disbursed.

If the RRWMB finds, after notice and an opportunity for comment from Grantee, that Grantee has failed materially to comply with the terms of this Agreement, or with applicable law, the RRWMB may require the repayment of grant funds disbursed under this Agreement. Should Grantee fail to repay the disbursed grant funds, RRWMB retains the right to withhold other funds from disbursement to Grantee.

- 9. Amendment; Modification; Extension:** Any amendment, modification, or extension to this Agreement requested by the Grantee must be submitted to the RRWMB at least three (3) months prior to the termination of this Agreement. Any such request must be submitted on the RRWMB form for requesting amendments, modifications, and extensions. Any amendment or modification to this Agreement will not be effective until it has been approved and executed by the RRWMB's authorized representative. Any amendment or modification to Grantee's Work Plan for this **Project** will not be effective until it has been approved and executed by the RRWMB's authorized representative.
- 10. Waiver:** The failure of either party to insist on the strict performance by the other party of any provision or obligation under this Agreement, or to exercise any option, remedy or right herein, will not waive or relinquish such party's rights in the future to insist on strict performance of any provision, condition or obligation, all of which will remain in full force and affect. The waiver of either party on one or more occasion of any provision or obligation of this Agreement will not be construed as a waiver of any subsequent breach of the same provision or obligation, and the consent or approval by either party to or of any act by the other requiring consent or approval will not render unnecessary such party's consent or approval to any subsequent similar act by the other. Notwithstanding any other term of this Agreement, RRWMB waives no immunity in tort. This Agreement creates no right in and waives no immunity, defense or liability limit that RRWMB enjoys under law with respect to any third party.



- 11. Workers' Compensation:** Grantee certifies that it is in compliance with Minn. Stat. § 176.181, Subd. 2, pertaining to workers' compensation insurance coverage. Grantee's employees and agents will not be considered RRWMB employees. Any claims that may arise under the Minnesota Workers' Compensation Act on behalf of these employees and agents and any claims made by any third party as a consequence of any act or omission on the part of these employees and agents are in no way the RRWMB's obligation or responsibility.
- 12. Compliance with Laws:** Grantee will comply with the laws and requirements of all federal, state, local and other governmental units in connection with performing the duties, activities, and services under this Agreement and will procure all licenses, permits and other rights necessary to perform the duties, activities, and services. In performing the duties, activities, and services, Grantee will ensure that no person is excluded from full employment rights or participation in or the benefits of any program, service or activity on the ground of race, color, creed, religion, age, sex, disability, marital status, sexual orientation, public assistance status, or national origin; and no person who is protected by applicable federal or state laws, rules, or regulations against discrimination otherwise will be subjected to discrimination.
- 13. State Audits:** Grantee will maintain all records pertaining to fees or costs incurred in connection with the Services for six (6) years from the date of completion of the Services. Grantee agrees that any authorized RRWMB representative or the state auditor may have access to and the right to examine, audit and copy any such records during normal business hours. Grantee will maintain records relating to the receipt and expenditure of grant funds.
- 14. Intellectual Property Materials:** All materials obtained or generated by Grantee in performing the duties, activities, and services, including documents in hard and electronic copy, software, and all other forms in which the materials are contained, documented, or memorialized, are the property of RRWMB. Grantee hereby assigns and transfers to RRWMB all right, title and interest in:
- (a) its copyright, if any, in the materials;
 - (b) any registrations and copyright applications relating to the materials; and any copyright renewals and extensions;
 - (c) all works based on, derived from or incorporating the materials; and



(d) all income, royalties, damages, claims, and payments now or hereafter due or payable with respect thereto, and all causes of action in law or equity for past, present or future infringement based on the copyrights. Grantee agrees to execute all papers and to perform such other proper acts as RRWMB may deem necessary to secure for RRWMB or its assignee the rights herein assigned.

Consistent with the terms of this section and the Data Practices Act, Minnesota Statutes chapter 13 ("DPA"), Grantee retains a nonexclusive license to use the materials and may publish or use the materials in its professional activities.

15. Data Practices; Confidentiality: If Grantee receives a request for data pursuant to the DPA, that may encompass data (as that term is defined in the DPA) Grantee possesses or has created as a result of this agreement, it will inform RRWMB immediately and transmit a copy of the request. If the request is addressed to RRWMB, Grantee will not provide any information or documents, but will direct the inquiry to RRWMB. If the request is addressed to Grantee, Grantee will be responsible to determine whether it is legally required to respond to the request and otherwise what its legal obligations are, but will notify and consult with RRWMB and its legal counsel before replying. Nothing in the preceding sentence supersedes Grantee's obligations under this agreement with respect to protection of RRWMB data, property rights in data or confidentiality. Nothing in this section constitutes a determination that Grantee is performing a governmental function within the meaning of Minnesota Statutes section 13.05, subdivision 11, or otherwise expands the applicability of the DPA beyond its scope under governing law.

16. RRWMB Property: Any property including but not limited to materials supplied to Grantee by RRWMB or deriving from RRWMB is supplied to and accepted by Grantee as without representation or warranty including but not limited to a warranty of fitness, merchantability, accuracy or completeness.

17. Publicity and Endorsement: Any publicity regarding the subject matter of this Agreement must identify the RRWMB as the sponsoring entity. For purposes of this provision, publicity includes **Project** public hearing notices, informational pamphlets, press releases, research, reports, signs, and similar **Project** public notices prepared by or for Grantee individually or jointly with others, or any subcontractors, with respect to the **Project**, publications, or services provided resulting from this Agreement.



- 18. Municipal Contracting Law:** Per Minn. Stat. § 471.345, Grantee must follow the Uniform Municipal Contracting Law. Supporting documentation of the bidding process utilized to contract services must be included in Grantee's financial records, including supporting documentation justifying a single/sole source bid, if applicable.
- 19. Monitoring:** The RRWMB will be allowed by Grantee to conduct periodic site visits and inspections to ensure progress of work in accordance with this Agreement, including a final inspection upon **Project** completion. Following closure of the **Project**, the RRWMB's authorized representative, or an individual acting on the authorized representative's behalf, will be allowed to conduct post-completion inspections of the site to ensure that the site is being used and operated in conformance with the Work Plan and that no conversion of use has occurred.
- 20. Choice of Law, Venue, and Jurisdiction:** Minnesota law, without regard to its choice-of-law provisions, governs this Agreement. Venue for all legal proceedings out of this Agreement is Norman County, MN.
- 21. Whole Agreement:** The entire agreement between the two parties is contained herein and this agreement supersedes all oral agreements and negotiations relating to the subject matter hereof. Any modification of this agreement is valid only when reduced to writing as an amendment to the agreement and signed by the parties hereto.

IN WITNESS WHEREOF, intending to be legally bound, the parties hereto execute and deliver this Agreement.

Red River Watershed Management Board

BY: John Finney (Print)

John M. Finney (Signature)

TITLE: President

DATE: September 15, 2020



Red Lake Watershed District

BY: Dale M. Nelson (Print)
Dale M. Nelson (Signature)
TITLE: President
DATE: 10-8-20

Approved as to Form and Execution:

BY: _____
_____ (RRWMB Attorney)



Red Lake Watershed District

BY: Dale M. Nelson (Print)
Dale M. Nelson (Signature)
TITLE: President
DATE: 10-8-20

Approved as to Form and Execution:

BY: Louis N Smith
Louis N Smith
Louis N Smith (Jun 17, 2021 13:17 CDT) (RRWMB Attorney)






Page 10 from TRF Oxbow 2 signatures 2020-12

Final Audit Report

2021-06-17

Created:	2021-06-07
By:	Nicole Swenson (nikki.swenson@rrwmb.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAEI3X5_fxEWQY4L25PqZtwQ1lOogzXcHr

"Page 10 from TRF Oxbow 2 signatures 2020-12" History

-  Document created by Nicole Swenson (nikki.swenson@rrwmb.org)
2021-06-07 - 2:56:17 PM GMT - IP address: 63.142.176.55
-  Document emailed to Louis N Smith (smith@smithpartners.com) for signature
2021-06-07 - 2:56:59 PM GMT
-  Email viewed by Louis N Smith (smith@smithpartners.com)
2021-06-17 - 6:16:41 PM GMT - IP address: 73.94.44.2
-  Document e-signed by Louis N Smith (smith@smithpartners.com)
Signature Date: 2021-06-17 - 6:17:00 PM GMT - Time Source: server- IP address: 73.94.44.2
-  Agreement completed.
2021-06-17 - 6:17:00 PM GMT



**EXHIBIT A
SUBMITTED APPLICATION BY THE RED LAKE WATERSHED DISTRICT
FOR THE
THIEF RIVER FALLS OXBOW RESTORATION AND
STORMWATER TREATMENT PROJECT**



**APPENDIX B
RRWMB FUNDING APPLICATION FORM FOR WATER QUALITY PROJECTS**

Member watershed districts of the RRWMB who wish to request funding for Water Quality Projects must submit this application form in accordance with RRWMB funding processes and procedures. Completed applications can be submitted to the RRWMB at rob.sip@rrwmb.org or by mailing to the RRWMB office at:

11 Fifth Avenue East
Suite B
Ada, MN 56510

If you require additional space to complete any of the questions below, please attach additional sheets as necessary.

1. Requesting Entity: Red Lake Watershed District

2. Program Name: Thief River Falls Oxbow Restoration and Stormwater Treatment

3. Project Partners: Red Lake Watershed District and City of Thief River Falls

4. Location of Project (County and Township): North Township, Pennington County

5. Description of Request (Please indicate if the Water Quality Project is new or relates to an existing Water Quality Project).

A. For New Water Quality Projects (Please describe your Water Quality project here):

The Thief River Falls Water Quality study examined stormwater runoff throughout the city and identified priority projects for treating stormwater runoff. This project will complete one of the priority projects that was identified by that study and construct additional measures to protect water quality. The project will restore 3 acres of oxbow wetland by removing the accumulated sediment and pollutants from stormwater runoff and will also incorporate measures to trap pollutants and trash from future stormwater runoff upstream of the wetland. These measures will reduce concentrations of total suspended solids (TSS) and other pollutants in stormwater runoff that flows into the Red Lake River.

An oxbow wetland adjacent to the Red Lake River and within the city limits of Thief River Falls receives stormwater runoff that discharges into the east end of the oxbow via a 54-inch outlet pipe and other storm sewers. The oxbow wetland is located in the SE ¼ of Section 33 (T154, R43W) of North Township. The oxbow wetland is framed by the city streets of Pennington Avenue South (to the east), Parkview Street East (to the north), Columbia Avenue South (to the west), and Greenwood Street East (to the south). Stormwater runoff comes from a 276.7-acre residential drainage area, a snow disposal area, and a small watershed that once included ponds that stored lime sludge from the city's water treatment facility. Stormwater discharge flows through the oxbow wetland and enters the Red Lake River on the western end of the oxbow through 2-36" corrugated metal culverts. The locations of the oxbow wetland, the snow dumping site, structure installations, and the relative size of the planned settling pond are shown in the Section 8 Project Area Map.

Currently, the oxbow drains poorly due to excessive lime sludge and sediment build-up. As a result, this wetland/stormwater area is functioning poorly. Modeling completed for the Thief River Stormwater Study and recent sediment sampling indicated that the pond has been historically effective at trapping sediment (along with other pollutants and trash) but needs restoration due to excess accumulated sediment. A survey showed that the average sediment thickness was 4.3 feet with a maximum thickness of approximately 7.5 feet. The estimated volume of sediment in the oxbow is 17,000 cubic yards. Lime sludge deposits from the Thief River Falls Water Treatment Plant's lime sludge ponds were found within the first two feet of all sediment samples collected within the oxbow wetland. A stormwater sample collected at Pennington Avenue by the RLWD in 2017 found elevated concentrations of *E. coli*, TSS, and total phosphorus (TP) relative to the water quality standards that are applied to the Red Lake River. The water quality of the discharge leaving the oxbow and entering the Red Lake River is also a concern. Garbage is another ongoing stormwater issue. There is evidence that many "floatables" (plastic bottles, floating debris, plastic bags, Styrofoam, etc.) are flushed into the outlet pipe and into the oxbow during storm events.

The objective of this project is to restore the oxbow while providing improved water quality, through improved filtration and retention capabilities. Stormwater treatment within the existing wetland will be increased by providing detention via a controlled outlet structure and reconstruction of portions of the wetland. The project will restore the oxbow wetland's capability to reduce pollution by slowing the rate of run-off (storage) and helping keep run-off clean (filtration). Ponding areas and native wetland vegetation will provide additional treatment. In addition to restoring the functionality of the oxbow wetland by removing approximately 10,000 cubic yards of sediment, this project will construct a pond and install hydrodynamic separator structures to minimize pollutant contributions from a snow disposal site on the east side of Pennington Avenue South. A settling pond will be constructed around the riser pipe that drains the snow dumping area on the east side of Pennington Avenue. This project will further reduce the pollutants entering the wetland by installing multiple hydrodynamic separator structures to remove trash and sediment. A rock structure will be constructed at the west end of the oxbow wetland to stabilize the outlet, ensure that the pond will continue to hold water, and oxygenate water as it flows out of the pond.

B. For Existing Water Quality Projects (Please describe completed past efforts that relate to this Water Quality project):

This project will complement past and future stormwater pollutant reduction projects in the city. Some progress toward reducing pollutants in future stormwater runoff to the oxbow wetland was already accomplished through the removal of the city's lime sludge ponds. Sediment core analysis identified that overflow from the lime sludge ponds had been a major source of the sediment that filled the wetland. Restoration will require the removal and disposal of lime sludge from the site. The Thief River Falls Water

Quality Study was funded by an Accelerated Implementation Grant from the Board of Water and Soil Resources' (BWSR) Clean Water Fund in 2016. Subsequently, the Pennington Soil and Water Conservation District (SWCD) successfully applied for Clean Water Funding from BWSR to stabilize the three eroding streambanks that were identified by the Thief River Falls Water Quality Study. Stormwater treatment ponds have been incorporated into new construction within the city (Wal-Mart parking lot and Greenwood Street, for example). Future phases will target BMPs to reduce stormwater runoff from further upstream in the subwatershed that drains to the oxbow as well as other priority projects that are described in the Thief River Falls Water Quality Study. The project lies within the Red Lake River 1W1P Management Area M7, which was identified as one of the priority management areas that will be targeted for implementation of BMPs to reduce sediment loading with funding from a [319 Small Watersheds Focus Grant](#) from the Environmental Protection Agency.

6. Relation to the RRWMB Vision, Mission, Principle Objective, and Supporting

Objectives: Please describe how this project contributes to water-quality objectives on the main stem Red River. How does your project reduce, mitigate, or eliminate pollutant loading to local tributaries and the Red River main stem?

This project will reduce pollutant loads (TSS, TP, *E. coli*, and other pollutants) to AUID 09020303-513 of the Red Lake River (13.66 miles) by filtering pollutants from stormwater runoff. Water quality improvements to this portion of the Red Lake River will also help reduce pollutant loads in downstream portions of the river like AUID 09020303-504 (20.88 miles) that are impaired by high TSS. AUID 09020303-504 was identified (in the 1W1P and WRAPS) as a priority for restoration efforts because it was one of the TSS-impaired portions of the river that was closest to meeting the applicable water quality standard.

High concentrations of TSS have been measured in stormwater runoff at the project location. The RLWD and project partners are proposing to reduce an estimated 4.4 tons/year of TSS and 28.4 lbs./year of TP (total phosphorus) entering the Red Lake River through the Thief River Falls Oxbow Restoration Project. Removing the large quantity of lime sludge and implementing sediment intercepting manholes as a way to collect pollutants before they enter the oxbow and protect water quality in the Red Lake River.

The National Wetland Inventory (NWI) data shows the oxbow restoration area as a Freshwater Emergent Wetland. Improving the oxbow by redefining the channel would result in a higher functioning wetland with improved filtration, residence time, and nutrient uptake. There will be a greater volume of open water in the wetland and it will slow velocities, allow for settling of pollutants, and reduce nutrients through nutrient uptake from plants. This improved filtration would help improve water quality in the river. In addition to addressing water quality in stormwater runoff, this project will also improve the quality of habitat within the oxbow wetland.

7. Relation to Local Plans: Please describe how your project relates to or meets goals and objectives in local water management plans and how water quality will be improved in tributary streams or other water bodies.

The City of Thief River Fall's stormwater goals are to intercept both sediment and trash before it enters the wetland complex. The restoration of the oxbow is part of the scope of the project but removing these pollutants before they reach the wetlands is just as important. Installing settling basins/trash traps or treatment chambers such as a Contech CDS system help maintain the health of the wetland over time. All this in turn helps to treat stormwater so that it is not contributing to a degradation of water quality and exceedances of water quality standards in the Red Lake River. This project addresses goals are documented in several plans and reports:

Thief River Falls Water Quality Study:

The Thief River Falls Water Quality Study quantified the amount of sediment and pollutants entering Thief River and Red Lake River from surface runoff within the city of Thief River Falls, identified three sites that were experiencing major river bank erosion, and targeted locations where Best Management Practice (BMP) projects could efficiently deliver measurable water quality benefits. Retrofit of this oxbow wetland was identified as one of the recommended BMPs in the 2017 Thief River Falls Water Quality Study: This existing wetland within an old oxbow currently collects runoff from a large residential area via a 54-inch and other storm sewers. Treatment in the existing wetland will be increased by providing detention via a controlled outlet structure and reconstruct of portions of the wetland. Ponding areas and native wetland vegetation will also provide additional treatment. Restoration may require the disposal of lime sludge within the site. The study estimated that the wetland area could have a TSS removal efficiency of 96%, which would increase the effectiveness of the current wetland by 3.3 tons/year. The study estimated that the wetland area could have a 65% TP removal efficiency, which would reduce loading to the Red Lake River by 24.4 pounds/year compared to current conditions. The current wetland, as proven in sediment core analysis, has been removing sediment from stormwater runoff for many years. The capacity to remove that sediment, however, has been diminishing. The project was ranked sixth of the fifteen BMPs that were recommended by the study based on pollutant removal rate and the project's cost-effectiveness. The top three projects recommended by the study have already been funded by a BWSR Clean Water Fund Grant. The fourth and fifth ranked projects are located on private property. After the top three ranked projects recommended by the study, this project is the next highest ranked project that is located on land that is either publicly owned or under a city easement.

Red Lake River TMDL:

Stormwater runoff within the city of Thief River Falls, particularly areas that enter the river downstream of the Thief River Falls dam, was identified as a source of sediment loading to the Red Lake River in the Red Lake River Watershed Total Maximum Daily Load (TMDL) in Sections 4.1.1 and 4.1.2. HSPF-SAM modeling of the watershed (Section 4.1.2 of the TMDL) showed that TSS yields are relatively high from developed areas (stormwater runoff).

Red Lake River WRAPS:

Table 3-4 of the Red Lake River Watershed Restoration and Protection Strategy (WRAPS), 09020303 Red Lake River Watershed-Wide Restoration and Protection Strategies, recommends strategies that promote infiltration, retention, and extended detention practices in new and existing urban developments based on current stormwater BMPs in cities of Thief River Falls, St. Hilaire, Red Lake Falls, Crookston, Fisher and East Grand Forks. Table 3-6, Restoration and Protection Strategies for the 09020303 Red Lake River HUC10, recommends stormwater filtration in the city of Thief River Falls. Stormwater runoff was identified as a source of total suspended solids and *E. coli* in the Red Lake River.

Red Lake River 1W1P:

The Red Lake River One Watershed One Plan (1W1P) includes a priority statement for the issue of altered hydrology that states “promote infiltration, retention, extended-detention practices in new and existing urban developments based on current stormwater best management practices” in Table 6-2.

Treatment of stormwater runoff in the City of Thief River Falls is also addressed in multiple locations within the [Red Lake River \(Thief River Falls - Crookston\) and Black River EPA Nine Element Plan](#).

8. Project Area Map: The following maps show the project location and the locations of water quality impairments in the Red Lake River watershed. Water quality will be protected within AUID 09020303-513 (13.66 miles) and the project will help progress toward restoration of the TSS impairment in AUID 09020303-504 (20.88 miles long)

City of Thief River Falls Oxbow Restoration

Objective: To restore natural function of the oxbow while providing improved water quality, aesthetic, and potentially recreational features.

Tasks:

Assessment – Survey, Wetland Delineation, and Sediment Investigations.

Planning – Work with City and other partners to develop the full scope of the Project.

Alternatives Evaluation – Evaluate pros and cons and costs for alternatives considered.

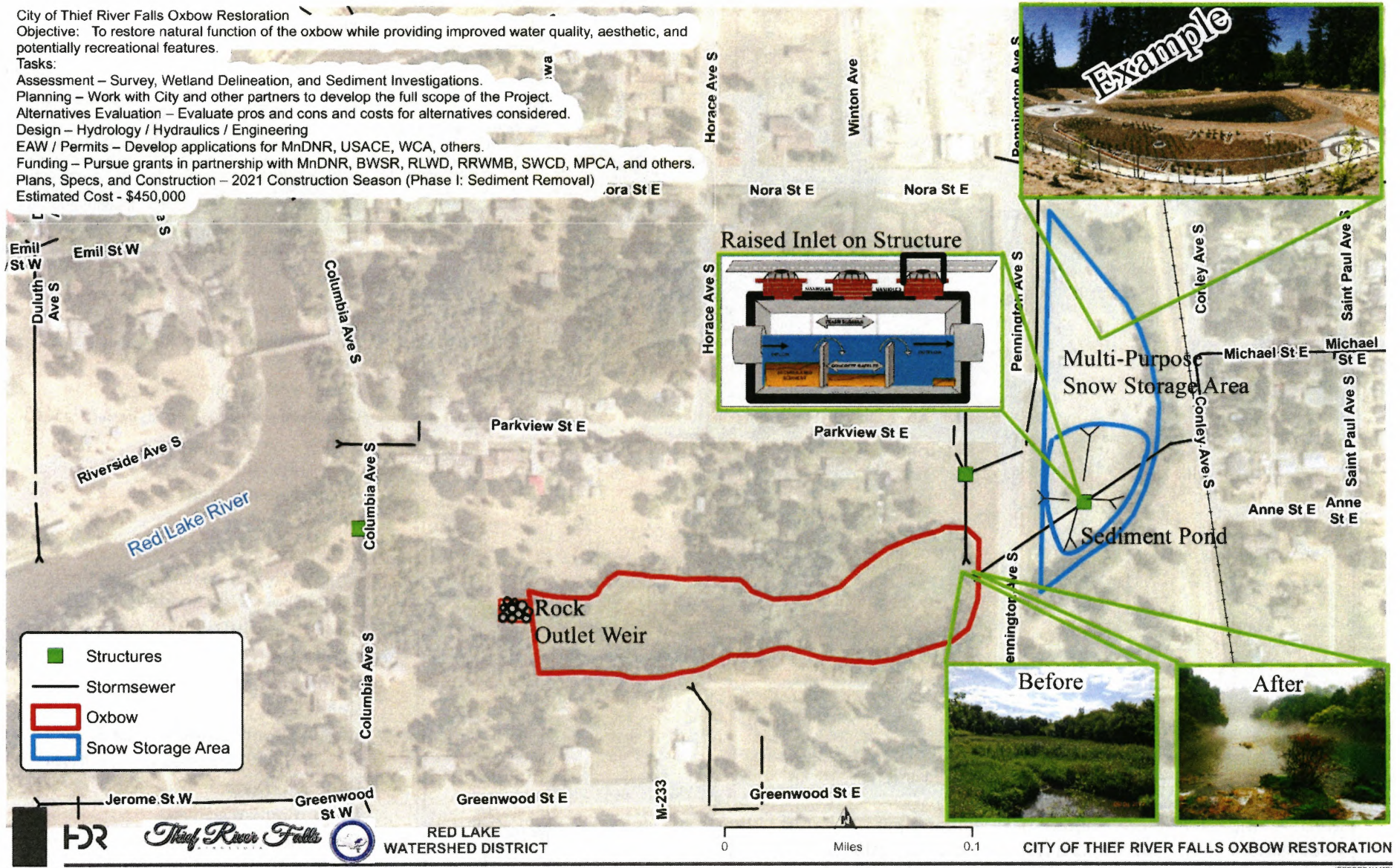
Design – Hydrology / Hydraulics / Engineering

EAW / Permits – Develop applications for MnDNR, USACE, WCA, others.

Funding – Pursue grants in partnership with MnDNR, BWSR, RLWD, RRWMB, SWCD, MPCA, and others.

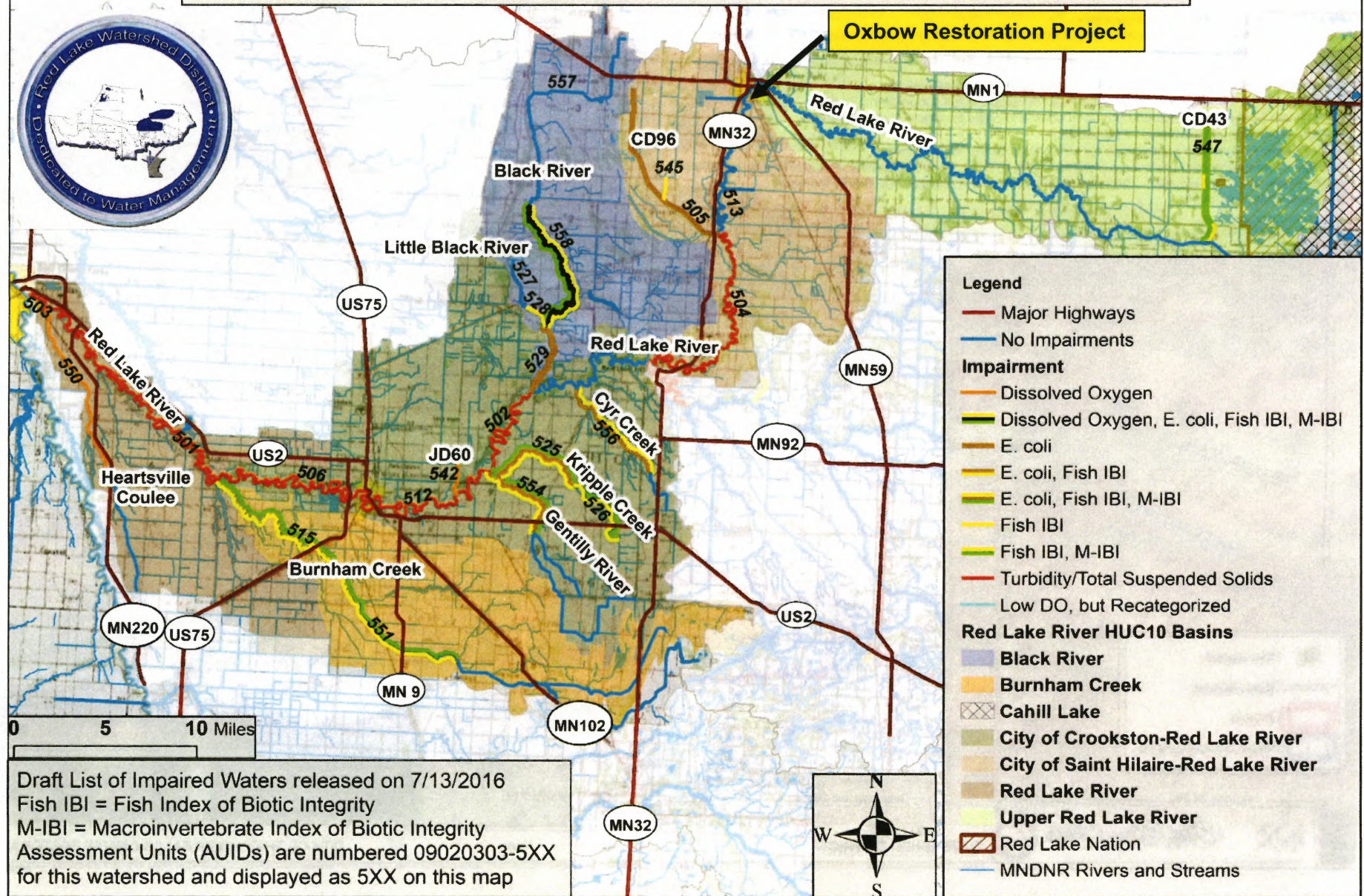
Plans, Specs, and Construction – 2021 Construction Season (Phase I: Sediment Removal)

Estimated Cost - \$450,000



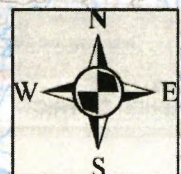
Red Lake River Watershed (09020303)

2020 Aquatic Life and Recreation Impairments



- Legend**
- Major Highways
 - No Impairments
 - Impairment**
 - Dissolved Oxygen
 - Dissolved Oxygen, E. coli, Fish IBI, M-IBI
 - E. coli
 - E. coli, Fish IBI
 - E. coli, Fish IBI, M-IBI
 - Fish IBI
 - Fish IBI, M-IBI
 - Turbidity/Total Suspended Solids
 - Low DO, but Recategorized
 - Red Lake River HUC10 Basins**
 - Black River
 - Burnham Creek
 - Cahill Lake
 - City of Crookston-Red Lake River
 - City of Saint Hilaire-Red Lake River
 - Red Lake River
 - Upper Red Lake River
 - Red Lake Nation
 - MNDNR Rivers and Streams

0 5 10 Miles



Draft List of Impaired Waters released on 7/13/2016
 Fish IBI = Fish Index of Biotic Integrity
 M-IBI = Macroinvertebrate Index of Biotic Integrity
 Assessment Units (AUIDs) are numbered 09020303-5XX
 for this watershed and displayed as 5XX on this map

9. Project Duration and Maintenance: What is the life expectancy of your project and how will the project be maintained? Please explain your plan to maintain, expand, or enhance the project in the next 5 years. Include costs for operations and maintenance in addition to initial project construction.

The oxbow restoration efforts would have a life expectancy of 50+ years. Routine maintenance (removal of organics) or aeration might be needed to maintain the wetland's effectiveness for removing nutrients. The structure used to intercept pollutants before they get to the oxbow should be inspected after every heavy rain event and cleaned out when deemed necessary. Detailed operating procedures for these structures will be developed as the project progresses. The settling pond near the snow dumping area drain will be constructed so that it is relatively easy to clean-out if needed.

Upstream portions of the stormwater drainage system that brings water to the oxbow will be targeted for stormwater BMPs. Reducing the amount of stormwater runoff and reducing the amount of pollutants in that runoff will be important for extending the longevity of this project.

10. Drinking Water Benefits: Does the proposed project include protection or improvement of a surface water used for a community drinking water source?

The project will result in water quality benefits in Red Lake River downstream from the project location. The Red Lake River is used as a source of drinking water for the city of East Grand Forks.

11. Other Project Benefits: Please describe if the project will create opportunities for other types of benefits, such as flood damage reduction, or natural resource enhancements apart from water quality benefits.

Sediment has been deposited in the oxbow for decades, mainly through the historical transfer of supernatant (water with lime sludge particles) that overflowed from the City of Thief River Falls Water Treatment Plant lime sludge ponds. This accumulation of sediment is impeding the flow of stormwater to the Red Lake River. A survey of the sludge depth showed more than four feet of sediment built up at the stormwater pipe outlet. This also causes concern for the shortened lifespan of the City's inundated stormwater outlet infrastructure due to freeze – thaw cycles when the outlet pipes are full of water.

Removing the sediment to restore the wetland reduces a flooding problem that the city has had for years. Large rain events are known to quickly overtop the 54" inlet pipe and cause backwater effects. The area is currently aesthetically unpleasant and is not acting as a good storage area for the city stormwater system. Restoration of the oxbow would fix these issues. It is anticipated that the sediment removal will increase the volume of water that is stored in the wetland. The project should not increase downstream flooding, but rather, could have a very small flood damage reduction benefit.

The Red Lake River is used for aquatic recreation, including swimming, paddling, and tubing. The river's importance for recreation was demonstrated by the formation of the Red Lake River Corridor Enhancement Joint Powers Group and its designation as a trail of regional significance by the Greater Minnesota Regional Parks & Trails Commission. High concentrations of *E. coli* bacteria in waterways can impair the safety of aquatic recreation. Very high (greater than the laboratory's maximum reporting limit) have been recorded in stormwater runoff within the city of Thief River Falls. Projects like this one are important for increased filtering of runoff to reduce *E. coli* loading before runoff enters the river.

This project will improve open-water habitat for waterfowl and aquatic life. Removal of hybrid cattails will

allow for the growth of more beneficial aquatic vegetation. The project will provide opportunities to improve upland habitat through native plantings. Open water, native plantings, and discrete trash removal (by the below-ground hydrodynamic separators) will improve the aesthetics of the area. The improved aesthetics will turn the pond into an amenity that could potentially be connected to the city's walking/biking trail system through future trail expansion projects (a gap currently exists along Pennington Ave, between Greenwood Street and the Hugo's grocery store where pedestrians have to walk along the busy street). Native plantings could provide educational opportunities and ways to connect people to the outdoors through demonstration plantings, educational signage, and/or service club projects.

12. Monitoring Plan: Describe your plan for quantitative monitoring and documentation of project benefits.

The hydrodynamic separators, settling pond, and other future projects constructed to retain pollutants and debris from entering the oxbow will be regularly monitored and cleaned to ensure proper function of the system. The RLWD office is located less than 1/3 mile south of the project area. District water quality staff will continue efforts to collect stormwater samples during runoff events. In addition to the stormwater outlet that flows into the oxbow, the District will also collect samples at the outlet of the oxbow. Other accessible stormwater outlets will also be sampled to help prioritize future project needs. This program would provide beneficial data for future urban restoration projects in the Valley. Regular water quality samples (TP, orthophosphorus, TSS, total Kjeldahl nitrogen, ammonia nitrogen, nitrates & nitrites, and *E. coli*) are collected from AUIDs 09020303-513 and 09020303-504 Red Lake River downstream of the project at the Greenwood Street Bridge in Thief River Falls (S006-225), CSAH 3 Bridge at St. Hilaire (S003-942), and CSHA 13 Bridge at Red Lake Falls (S003-172) by the RLWD and the Pennington SWCD.

13. Leveraging of Funds: Will the project leverage funds from other sources? Please list all funding sources in Table 1 Below:

Table 1. Project Funding Sources:

Funding Source	Amount	Percentage	Comments
Federal			
State			
Local	\$334,000	66.8%	City of TRF and RLWD
RRWMB	\$166,000	33.2%	Competitive WQ grant
Other (NGO, Etc.)			
TOTAL	\$500,000		

14. Project Timeline (Please describe the proposed project timeline):

- Project Survey: Completed
- Preliminary Design: Completed
- Final Design, EAW, and Permitting: 2020-2021
- Oxbow Restoration construction: 2021.

15. Additional Information (Please list or discuss any other information that you wish to submit as part of this application):

City of Thief River Falls Oxbow Restoration & Stormwater Treatment Project				ENGINEER'S ESTIMATE		Spruce Valley Corporation		Wright Construction		Gladen Construction		RJ Zavoral		Davidson Construction		Average Bid
ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	
2021.501	MOBILIZATION	LUMP SUM	1	\$35,000.00	\$35,000.00	\$25,535.00	\$25,535.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$68,500.00	\$68,500.00	\$13,000.00	\$13,000.00	\$26,407.00
2101.501	CLEARING AND GRUBBING	LUMP SUM	1	\$10,000.00	\$10,000.00	\$12,400.00	\$12,400.00	\$4,000.00	\$4,000.00	\$9,000.00	\$9,000.00	\$18,500.00	\$18,500.00	\$15,000.00	\$15,000.00	\$11,780.00
2104.502	REMOVE 36" FLAP GATE	EACH	2	\$100.00	\$200.00	\$256.00	\$512.00	\$200.00	\$400.00	\$350.00	\$700.00	\$125.00	\$250.00	\$250.00	\$500.00	\$236.20
2104.502	REMOVE 24" RC APRON	EACH	1	\$100.00	\$100.00	\$340.00	\$340.00	\$200.00	\$200.00	\$325.00	\$325.00	\$225.00	\$225.00	\$250.00	\$250.00	\$268.00
2104.503	REMOVE 24" RC PIPE CULVERT	LIN FT	40	\$10.00	\$400.00	\$25.00	\$1,000.00	\$12.00	\$480.00	\$32.00	\$1,280.00	\$12.00	\$480.00	\$50.00	\$2,000.00	\$26.20
2104.503	REMOVE 54" RC PIPE CULVERT	LIN FT	16	\$30.00	\$480.00	\$40.00	\$640.00	\$14.50	\$232.00	\$55.00	\$880.00	\$12.00	\$192.00	\$100.00	\$1,600.00	\$44.30
2104.503	REMOVE 6" DIA. PRECAST STRUCTURE	EACH	1	\$3,500.00	\$3,500.00	\$1,025.00	\$1,025.00	\$1,650.00	\$1,650.00	\$1,850.00	\$1,850.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$2,005.00
2105.507	MUCK EXCAVATION (P)	CU YD	27.770	\$4.00	\$111,080.00	\$4.50	\$124,965.00	\$8.45	\$234,656.50	\$4.00	\$111,080.00	\$4.50	\$124,965.00	\$11.00	\$305,470.00	\$6.49
2105.507	COMMON EXCAVATION (P)	CU YD	420	\$2.75	\$1,155.00	\$3.35	\$1,407.00	\$4.85	\$2,037.00	\$4.50	\$1,890.00	\$6.35	\$2,667.00	\$15.00	\$6,300.00	\$6.81
2105.507	COMMON BORROW (P) (CV)	CU YD	100	\$2.50	\$250.00	\$6.70	\$670.00	\$8.00	\$800.00	\$5.00	\$500.00	\$3.50	\$350.00	\$4.00	\$4,000.00	\$12.64
2105.601	SITE GRADING	LUMP SUM	1	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$4,450.00	\$4,450.00	\$21,600.00	\$21,600.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$7,410.00
2105.609	HAUL & DISPOSE OF EXCAVATED MATERIAL (P)	CU YD	27,670	\$6.50	\$179,855.00	\$7.60	\$210,292.00	\$6.85	\$189,539.50	\$9.95	\$275,316.50	\$8.25	\$228,277.50	\$9.00	\$221,360.00	\$8.13
2118.509	AGGREGATE SURFACING, CLASS 5 (P) (CV)	TON	38	\$18.00	\$684.00	\$27.00	\$1,026.00	\$14.00	\$532.00	\$24.00	\$912.00	\$19.00	\$722.00	\$40.00	\$1,520.00	\$24.80
2451.507	GRANULAR BEDDING (P) (CV)	CU YD	13	\$22.00	\$286.00	\$27.00	\$351.00	\$12.00	\$156.00	\$60.00	\$780.00	\$38.00	\$494.00	\$50.00	\$650.00	\$37.40
2501.502	FLAP GATE FOR 36"CS PIPE (CAST IRON)	EACH	2	\$3,600.00	\$7,200.00	\$3,227.00	\$6,454.00	\$4,650.00	\$9,300.00	\$4,650.00	\$9,300.00	\$3,900.00	\$7,800.00	\$6,500.00	\$13,000.00	\$4,585.40
2501.502	12" CANAL GATE (CAST IRON)	EACH	1	\$1,200.00	\$1,200.00	\$3,016.00	\$3,016.00	\$2,250.00	\$2,250.00	\$2,017.00	\$2,017.00	\$1,565.00	\$1,565.00	\$2,500.00	\$2,500.00	\$2,269.60
2501.502	24" RC PIPE APRON	EACH	1	\$750.00	\$750.00	\$1,168.00	\$1,168.00	\$1,240.00	\$1,240.00	\$852.00	\$852.00	\$850.00	\$850.00	\$1,500.00	\$1,500.00	\$1,122.00
2502.603	6" HDPE DRAIN TILE WITH SOCK & CONNECTORS	LIN FT	2,056	\$20.00	\$41,120.00	\$5.00	\$10,280.00	\$4.88	\$10,033.28	\$10.70	\$21,999.20	\$14.50	\$29,812.00	\$15.00	\$30,840.00	\$10.02
2503.503	18" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16	\$58.00	\$928.00	\$157.00	\$2,512.00	\$58.50	\$936.00	\$122.00	\$1,952.00	\$75.00	\$1,200.00	\$150.00	\$2,400.00	\$112.50
2503.503	24" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16	\$60.00	\$960.00	\$219.00	\$3,504.00	\$64.50	\$1,032.00	\$145.40	\$2,326.40	\$115.00	\$1,840.00	\$200.00	\$3,200.00	\$148.78
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16	\$220.00	\$3,520.00	\$432.00	\$6,912.00	\$410.00	\$6,560.00	\$369.00	\$5,904.00	\$350.00	\$5,600.00	\$500.00	\$8,000.00	\$412.20
2506.502	CONSTRUCT 6" DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	1	\$45,450.00	\$45,450.00	\$39,952.00	\$39,952.00	\$43,750.00	\$43,750.00	\$40,900.00	\$40,900.00	\$68,900.00	\$68,900.00	\$60,000.00	\$60,000.00	\$50,700.40
2506.502	CONSTRUCT 8" DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	1	\$25,200.00	\$25,200.00	\$24,648.00	\$24,648.00	\$24,800.00	\$24,800.00	\$24,970.00	\$24,970.00	\$29,800.00	\$29,800.00	\$45,000.00	\$45,000.00	\$29,843.60
2506.502	CONSTRUCT 10" DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	1	\$105,000.00	\$105,000.00	\$85,465.00	\$85,465.00	\$93,500.00	\$93,500.00	\$91,350.00	\$91,350.00	\$118,800.00	\$118,800.00	\$130,000.00	\$130,000.00	\$103,823.00
2506.502	STRUCTURE GRATE - HINGED COVER	EACH	1	\$1,400.00	\$1,400.00	\$2,635.00	\$2,635.00	\$2,850.00	\$2,850.00	\$2,350.00	\$2,350.00	\$2,000.00	\$2,000.00	\$3,500.00	\$3,500.00	\$2,667.00
2511.507	RANDOM RIPRAP (CLASS 3)	CU YD	30	\$75.00	\$2,250.00	\$77.00	\$2,310.00	\$60.00	\$1,800.00	\$115.00	\$3,450.00	\$85.00	\$2,550.00	\$105.00	\$3,150.00	\$288.40
2511.509	GRANULAR FILTER MATERIAL (P) (CV)	TON	480	\$12.00	\$5,760.00	\$25.00	\$12,000.00	\$16.00	\$7,680.00	\$30.00	\$14,400.00	\$20.50	\$9,840.00	\$20.00	\$9,600.00	\$72.30
2540.602	INSTALL BOLLARD	EACH	7	\$300.00	\$2,100.00	\$414.00	\$2,898.00	\$1,000.00	\$7,000.00	\$500.00	\$3,500.00	\$500.00	\$3,500.00	\$250.00	\$1,750.00	\$532.80
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$5,000.00	\$5,000.00	\$475.00	\$475.00	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00	\$1,735.00
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$2,000.00	\$2,000.00	\$2,880.00	\$2,880.00	\$1,800.00	\$1,800.00	\$4,500.00	\$4,500.00	\$4,000.00	\$4,000.00	\$2,000.00	\$2,000.00	\$3,036.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	4	\$160.00	\$640.00	\$153.00	\$612.00	\$125.00	\$500.00	\$120.00	\$480.00	\$160.00	\$640.00	\$150.00	\$600.00	\$141.60
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	50	\$4.00	\$200.00	\$8.20	\$410.00	\$3.50	\$175.00	\$4.00	\$200.00	\$8.00	\$400.00	\$5.00	\$250.00	\$5.74
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	40	\$18.00	\$720.00	\$25.50	\$1,020.00	\$20.00	\$800.00	\$33.00	\$1,320.00	\$25.00	\$1,000.00	\$35.00	\$1,400.00	\$27.70
2574.505	SOIL BED PREPARATION	ACRE	2	\$200.00	\$400.00	\$408.00	\$816.00	\$400.00	\$800.00	\$250.00	\$500.00	\$425.00	\$850.00	\$250.00	\$500.00	\$346.60
2574.508	FERTILIZER, TYPE 1	POUND	400	\$0.40	\$160.00	\$1.00	\$400.00	\$1.20	\$480.00	\$0.75	\$300.00	\$0.80	\$320.00	\$4.00	\$1,600.00	\$1.55
2575.505	SEEDING	ACRE	2	\$90.00	\$180.00	\$916.00	\$1,832.00	\$175.00	\$350.00	\$300.00	\$600.00	\$850.00	\$1,700.00	\$1,000.00	\$2,000.00	\$628.20
2575.505	DISK ANCHORING	ACRE	2	\$58.00	\$116.00	\$51.00	\$102.00	\$150.00	\$300.00	\$100.00	\$200.00	\$53.00	\$106.00	\$125.00	\$250.00	\$95.80
2575.508	SEED MIXTURE, 25-131	POUND	440	\$4.50	\$1,980.00	\$4.10	\$1,804.00	\$7.95	\$3,498.00	\$4.00	\$1,760.00	\$4.25	\$1,870.00	\$5.00	\$2,200.00	\$5.06
2575.509	MULCH MATERIAL TYPE 1	TON	1	\$90.00	\$90.00	\$204.00	\$204.00	\$400.00	\$400.00	\$600.00	\$600.00	\$210.00	\$210.00	\$750.00	\$750.00	\$432.80
PROJECT TOTAL:					\$602,314.00		\$597,272.00		\$672,467.28		\$679,844.10		\$747,975.50		\$907,640.00	
				ENGINEER'S ESTIMATE		Spruce Valley Corporation		Wright Construction		Gladen Construction		RJ Zavoral		Davidson Construction		
						\$597,272.00		\$672,467.28		\$679,844.10		\$747,975.50		\$907,640.00		

Bid Bond	X	X	X	X
Cert of Insurance	X	X	X	X
Addendum Acknowledgement	X	X	X	X

TRF Oxbow Restoration Update – Going out for bids.... June 16, 2021

Budget \$500,000

Final Design Enhancements (additional cost):

Deeper pool for longer life span and better aesthetics (+\$60,000 est)

Added third structure to bypass high flows and make hydrodynamic separator more effective to filter out trash, sediment, and pollutants (+\$50,000 est)

Added drain tile for drainage of snow storage area runoff (+\$60,000 est)

\$230,000

Total Additional Potential Cost = ~~\$170,000~~

These items can be reduce or removed to meet budget, but these items would make for a more resilient Project.

Potential Funding Partners for additional costs:

1. RLWD
2. City of TRF
3. RRWMB
- 4. BWSR CWG**

\$602,314.00	\$597,272.00	\$672,467.28	\$679,844.10	\$747,975.50	\$907,600.00
ENGINEER'S ESTIMATE	Spruce Valley Corporation	Wright Construction	Gladden Construction	RJ Zavoral	Davidson Construction

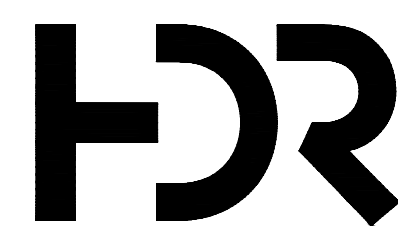


BENCHMARK AND GPS CONTROL

MN/DOT GEODETIC DATA BASE STATION #98150 - 5705 Z
VERTICAL DATUM: NAVD 88
NORTHING - 326303.019 (Y)
EASTING - 548156.179 (X)
ELEVATION - 1127.668 FT (Z)
COORDINATE SYSTEM - PENNINGTON COUNTY COORDINATE SYSTEM
GEOID MODEL - GEOID12A
LOCATION:
IN THIEF RIVER FALLS, 0.5 MILES EAST ALONG TRUNK HIGHWAY 59 FROM THE JUNCTION OF TRUNK HIGHWAY 59 AND TRUNK HIGHWAY 1/TRUNK HIGHWAY 32 IN THIEF RIVER FALLS, AT TRUNK HIGHWAY 59 MILEPOST 357.9, 88.7 FEET SOUTH OF EASTBOUND TRUNK HIGHWAY 59, 19.9 FEET WEST OF TINDOLPH AVENUE NORTH, 6.0 FEET EAST OF A SIDEWALK, 1.5 FEET NORTH OF A WITNESS POST.

PROJECT ALIGNMENTS AND WORK SUMMARIES

ALIGNMENT	STATIONING	WORK SUMMARY
ALIGNMENT 1	0+00 TO 10+82	OXBOW CLEANING
ALIGNMENT 2	20+00 TO 29+61	SNOW STORAGE AREA



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
DESIGNER 2	R. KNOTT
DRAWN BY	D. NELSON
CHECKED BY	N. DALAGER
PROJECT NUMBER	10134290

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

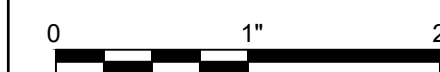
DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

**CITY OF THIEF RIVER FALLS
OXBOW RESTORATION & STORMWATER
TREATMENT PROJECT**

CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

SITE PLAN



FILENAME | C101.DWG
SCALE | 1" = 80'

SHEET
C101

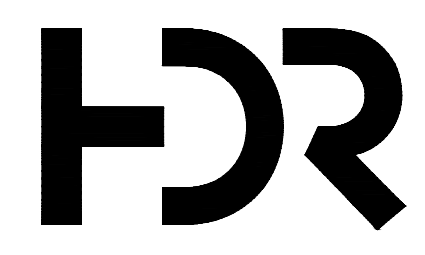


BENCHMARK AND GPS CONTROL

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PROJECT ALIGNMENTS AND WORK SUMMARIES

ALIGNMENT	STATIONING	WORK SUMMARY
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ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
DESIGNER 2	R. KNOTT
DRAWN BY	D. NELSON
CHECKED BY	N. DALAGER
PROJECT NUMBER	10134290

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DATE X/XX/XXXX LICENSE # 58711

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**CITY OF THIEF RIVER FALLS
OXBOW RESTORATION & STORMWATER
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CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

SITE PLAN

FILENAME | C101.DWG
SCALE | 1" = 80'

**Thief River Falls Oxbow Restoration Project Budgeting and Funding Timeline
with Additional Funding Needs and Construction Options**

\$500,000	This total budget figure was estimated by HDR Engineering in 2020 and used for grant applications.
(\$35,000)	City of TRF (6.8% of \$500,000 budget)
The City of Thief River Falls (TRF) spent at least \$34,000 prior to the acquisition of grant funding. This is not eligible as match for the BWSR grant, but is considered to be part of the \$500,000 budget and was included in the local matching funds for the RRWMB funding.	
RRWMB awarded Water Quality Project Funding	
\$166,000	RRWMB grant (33.2% of \$500,000 budget)
BWSR awarded a Clean Water Fund Grant to the project	
\$250,000	BWSR grant (50% of \$500,000 budget)
RLWD Board of Managers approved cost-share funding	
\$50,000	RLWD approved cost-share (10% of total \$500,000 budget)
\$ 466,000.00	Total, approved funding that has been available to spend in 2020-2022
(\$97,612.95)	Total engineering costs, to date
(\$15,000.00)	Estimated engineering fees for final inspection, etc. to close-out the project
(\$2,500)	Budgeted admin costs
\$ 350,887.05	Estimated, total, remaining, approved funds that are available for construction

2021, Post-Bid, Additional Budget Increase Options

Extra cost to meet grant application specs	Extra cost to meet grant specs and protect the efficacy of the east separator structure	Extra cost to meet grant specs plus additional excavation	Extra cost to meet grant specs and add tile to east settling pond	Extra cost as bid (all three additions)	
\$ 69,899.95	\$94,548	\$211,457	\$ 80,179.95	\$ 246,384.95	Potential, additional expenditures by RLWD, RRWMB or TRF
\$ 420,787.00	\$ 445,435.00	\$ 562,344.00	\$ 431,067.00	\$ 597,272.00	Potential, total Construction budgets
\$ 552,287.00	\$ 576,935.00	\$ 693,844.00	\$ 562,567.00	\$ 728,772.00	Potential, total budgets
21.7%	25.1%	37.7%	23.1%	40.7%	New RLWD total % cost-share without additional city or RRWMB funding
15.4%	16.9%	22.4%	16.0%	23.8%	RLWD % cost-share with a 50/50 split of extra costs with TRF and/or RRWMB

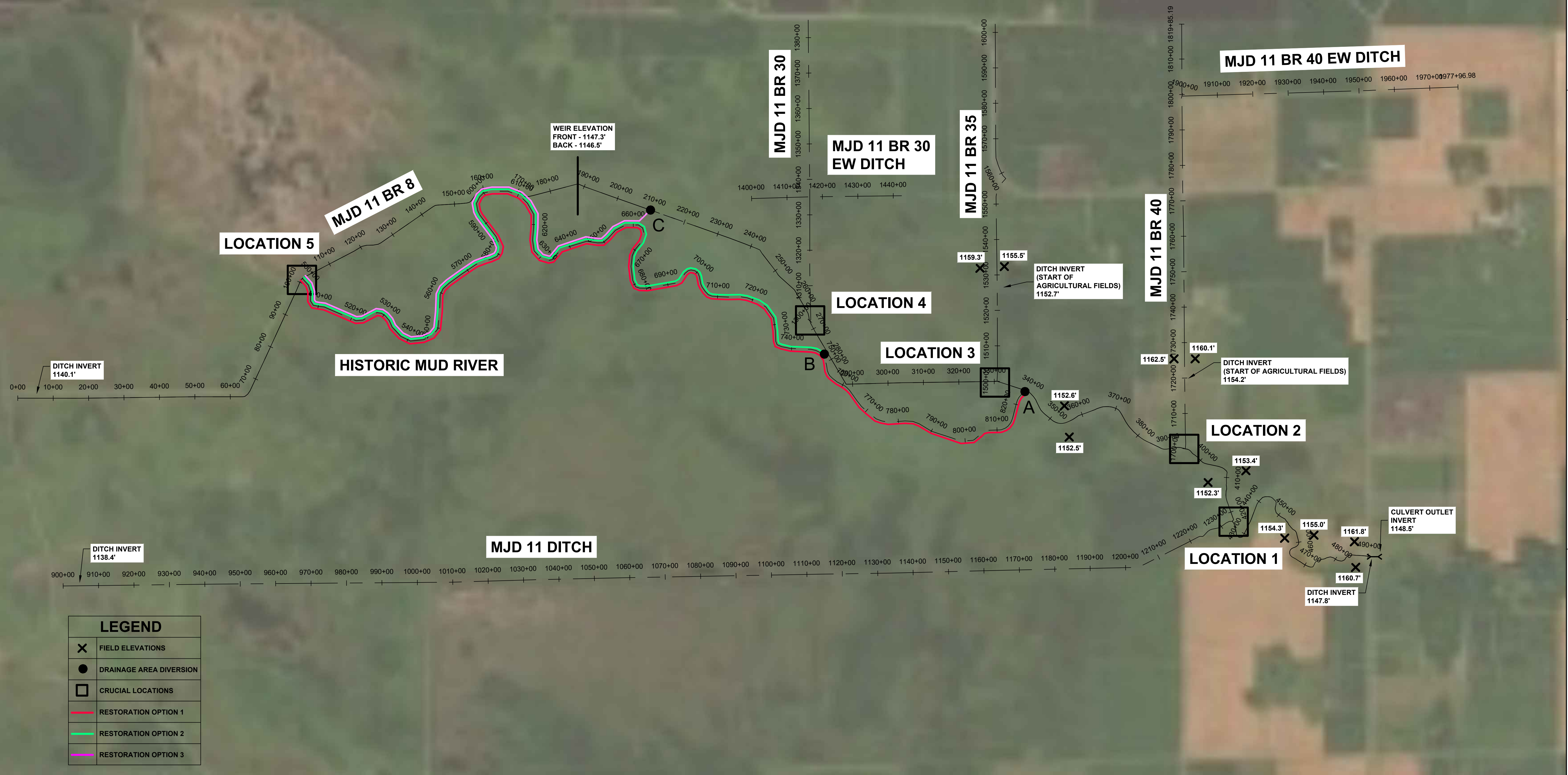
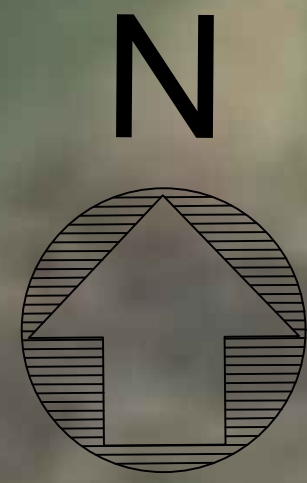
Options are listed in order of priority (left to right), based on a discussion between the engineer and RLWD staff. The additional excavation and the diversion structure for the east hydrodynamic separator have the most potential to improve the water quality benefits of the project. The extra structure for the east hydrodynamic separator may be the highest priority out of the three potential enhancements because it is critical for the successful treatment of stormwater from the east drainage area. The extra excavation will improve the life of the project and the ability of the pond to trap additional pollutants.



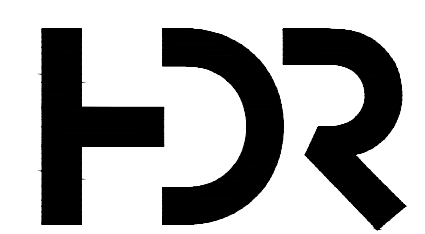
Mud River Restoration Project

Thief River Falls, MN

The Mud River Restoration Project is located a little over 20 miles directly northeast of Thief River Falls in the Agassiz National Wildlife Refuge. The goal of this project is to enhance the ecological function and potentially restore some flows to the historic Mud River channel. Currently water is being diverted north of this channel through a deeper man-made ditch known as MJD 11 Branch 8.



LEGEND	
✕	FIELD ELEVATIONS
●	DRAINAGE AREA DIVERSION
□	CRUCIAL LOCATIONS
— (Red line)	RESTORATION OPTION 1
— (Green line)	RESTORATION OPTION 2
— (Magenta line)	RESTORATION OPTION 3



ISSUE	DATE	DESCRIPTION

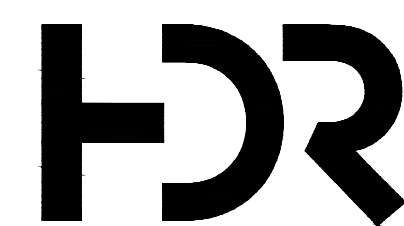
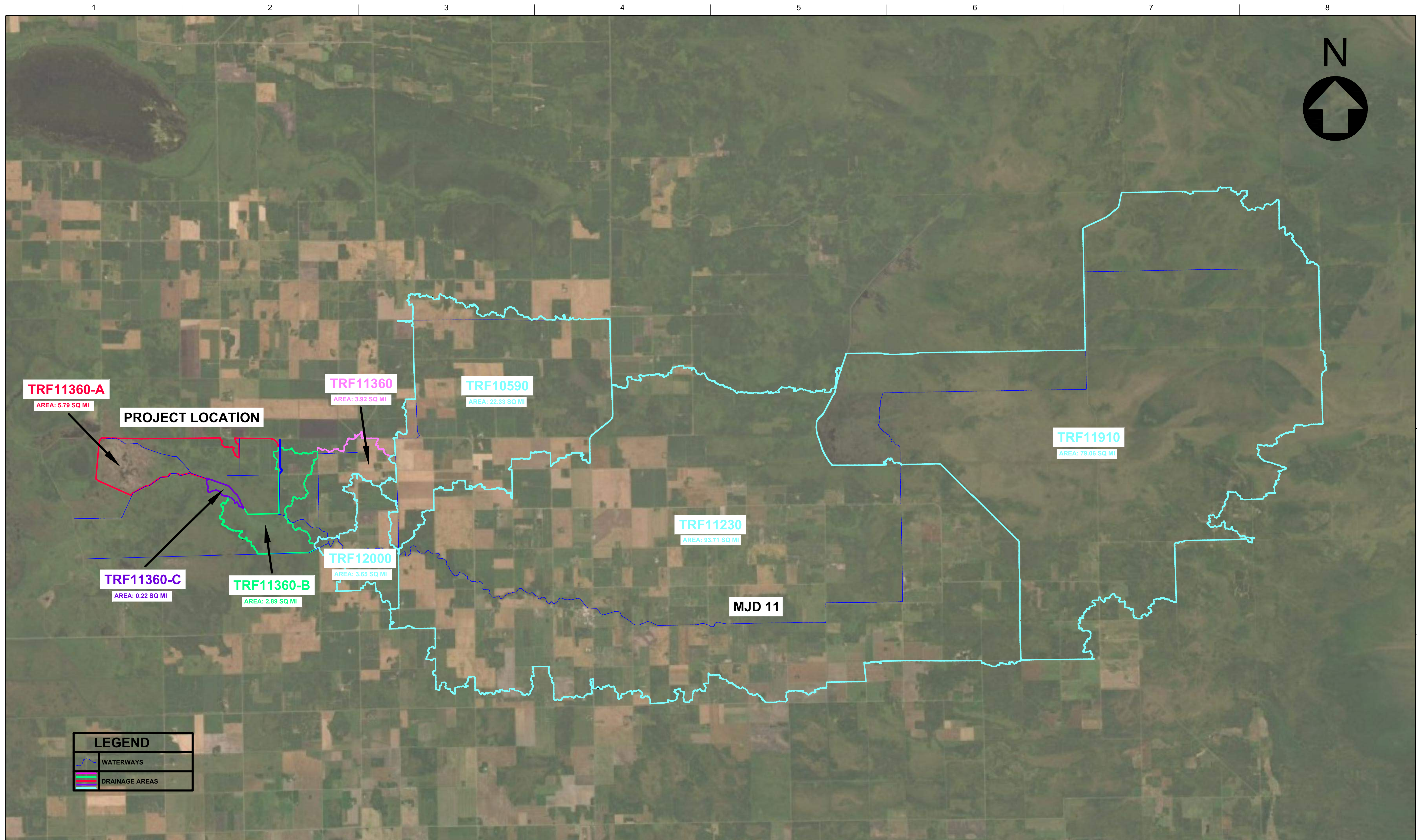
PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

**MUD RIVER RESTORATION
SITE PLAN**

SCALE 1" = 1400'

FILENAME

SHEET **1**



ISSUE	DATE	DESCRIPTION

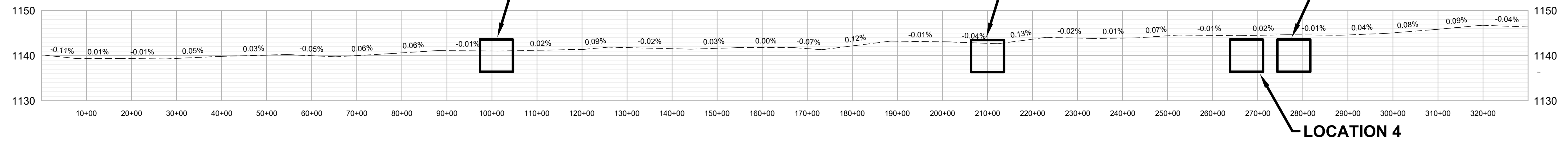
PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

**MUD RIVER RESTORATION
MJD 11 DRAINAGE AREA**

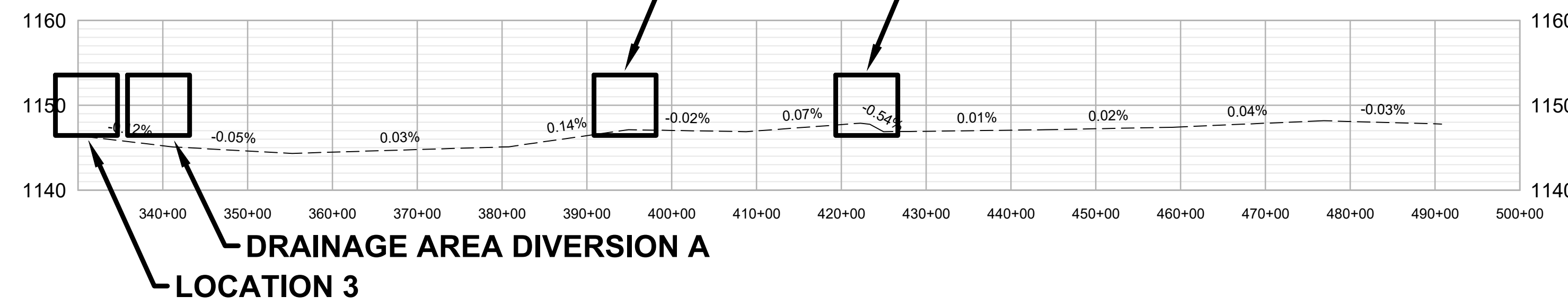
0 1" 2"

FILENAME | SHEET
SCALE | 1" = 6000' | 2

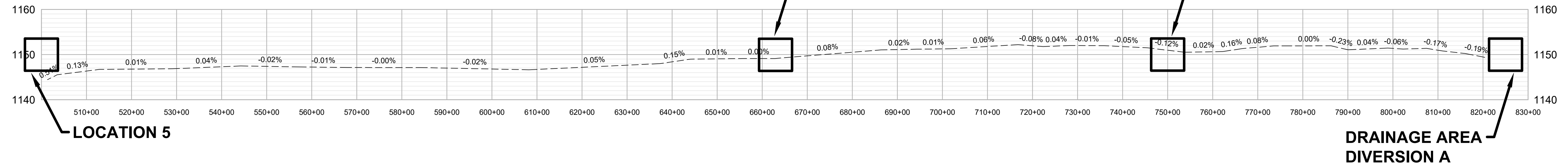
MJD 11 BR 8



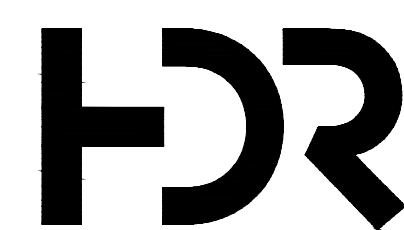
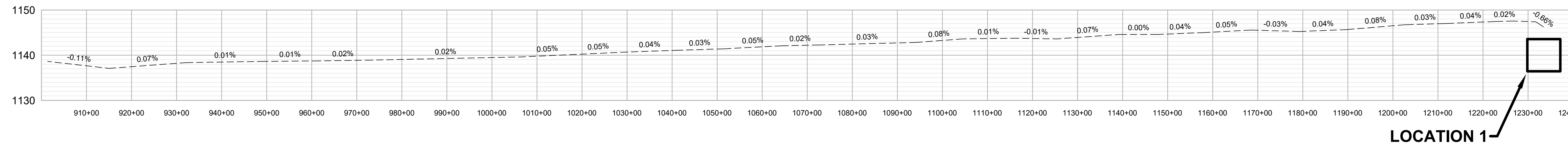
MJD 11 BR 8



HISTORIC MUD RIVER



MJD 11 Ditch



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

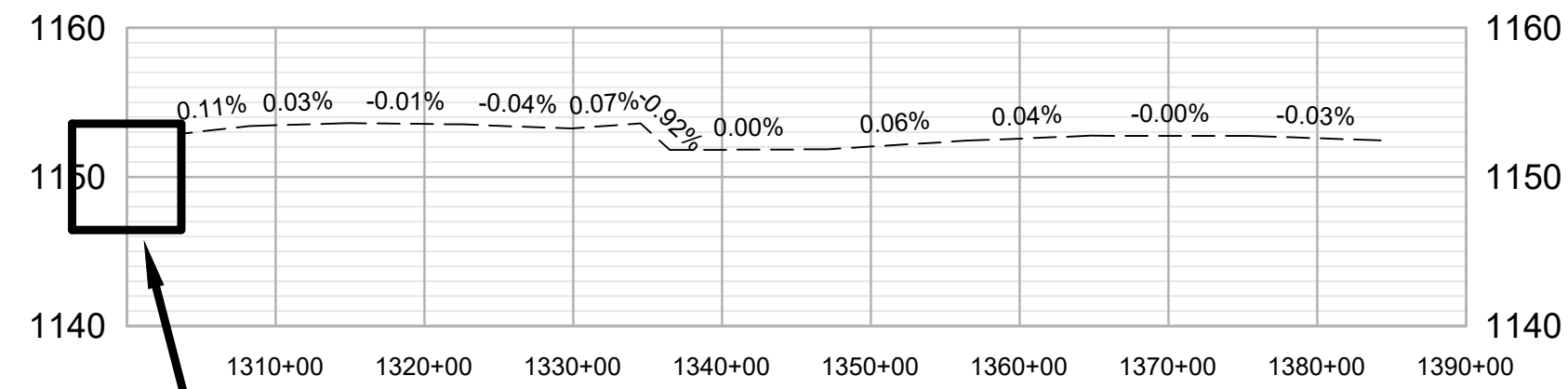
MUD RIVER RESTORATION PROFILES

0 1" 2"

FILENAME

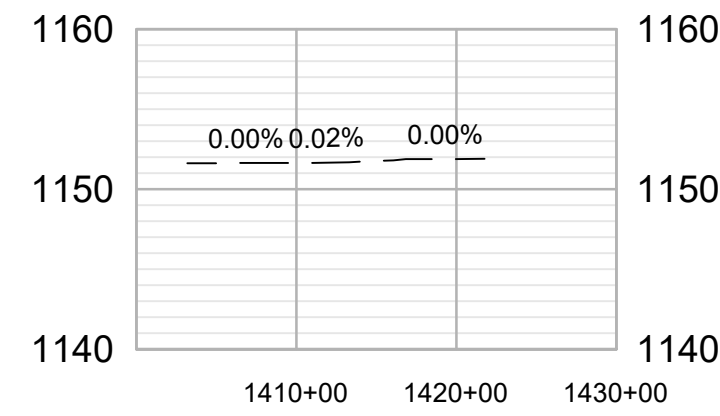
SCALE

MJD 11 BR 30

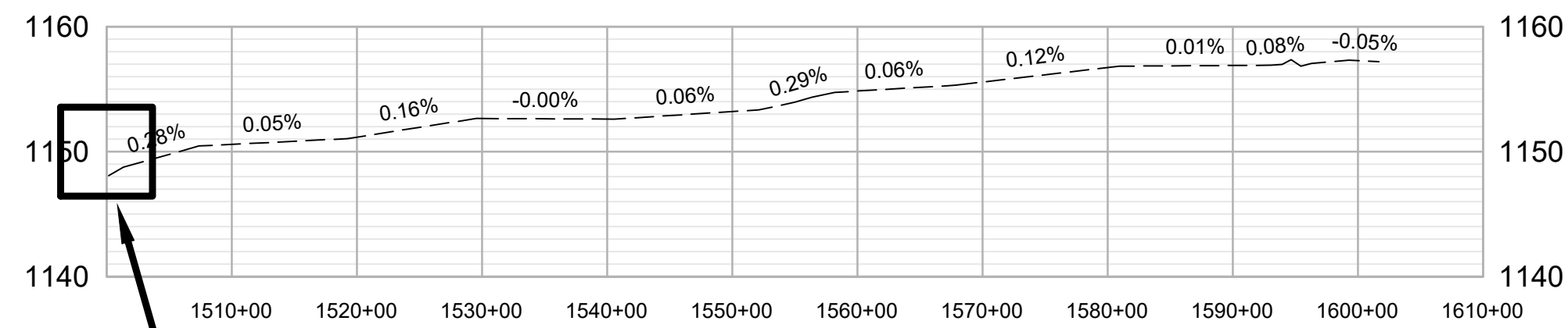


LOCATION 4

MJD 11 BR 30 EW Ditch

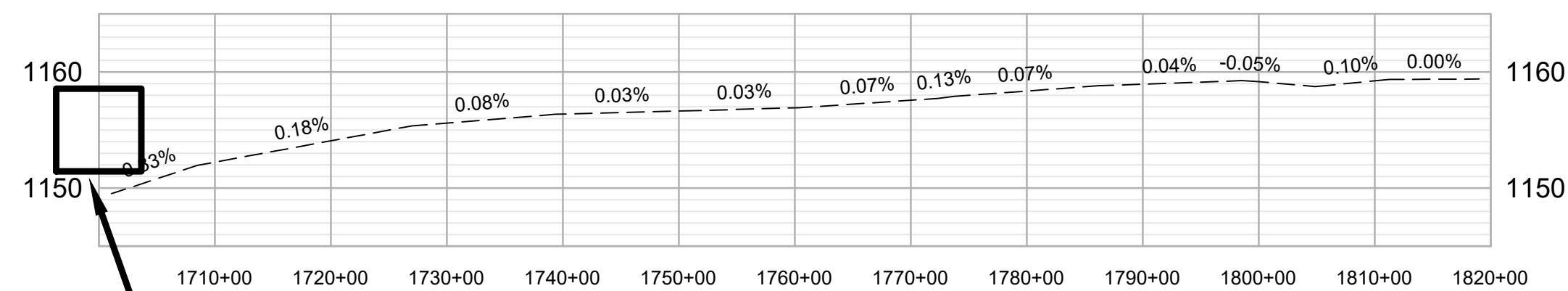


MJD 11 BR 35



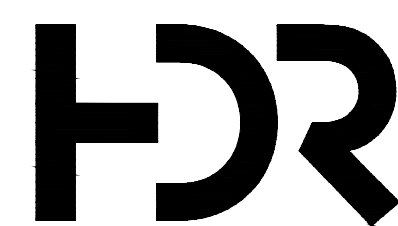
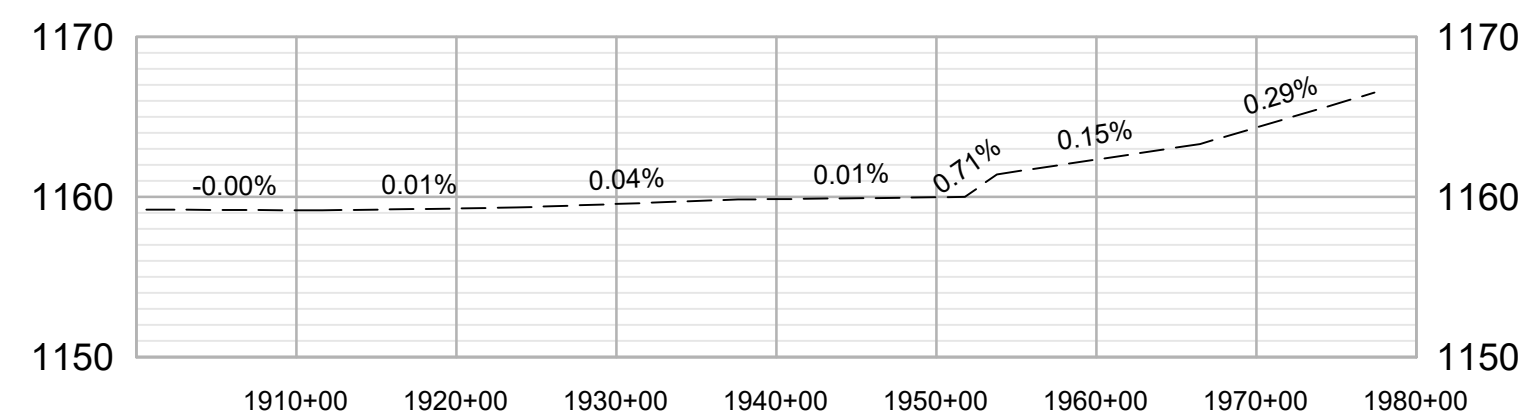
LOCATION 3

MJD 11 BR 40



LOCATION 2

MJD 11 BR 40 EW Ditch



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

**MUD RIVER RESTORATION
PROFILES**

0 1" 2"

FILENAME

SCALE

SHEET

4

TABLE 1: DRAINAGE AREA PEAK FLOWS AND VOLUMES

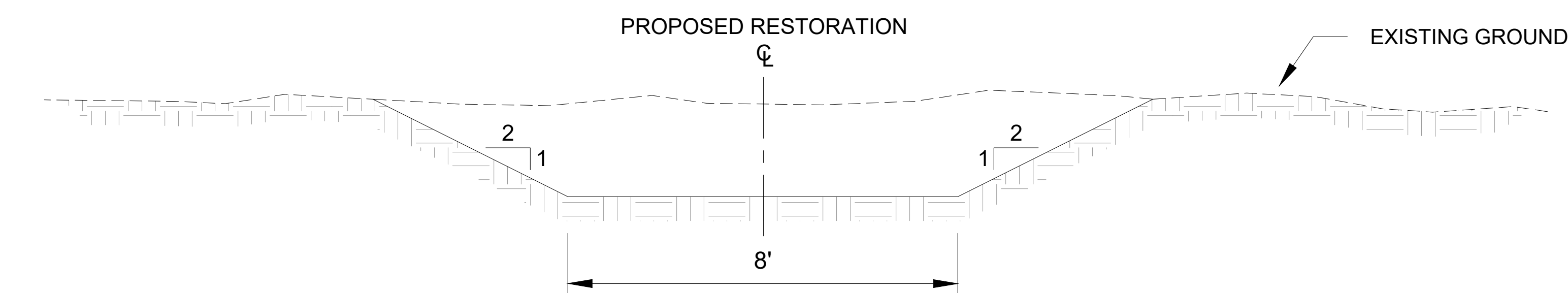
Drainage Area	2 Year - 24 Hour Event 2.21" Precipitation		5 Year - 24 Hour Event 2.94" Precipitation		10 Year - 24 Hour Event 3.43" Precipitation	
	Peak Flow (CFS)	Volume (AC FT)	Peak Flow (CFS)	Volume (AC FT)	Peak Flow (CFS)	Volume (AC FT)
TRF11360	21	108	40	200	54	271
TRF11360-A	78	242	133	407	173	528
TRF11360-B	26	103	46	180	61	237
TRF11360-C	4	8	7	13	9	18
Upstream MJD 11	89	483	169	908	232	1390

TABLE 2: WATER SURFACE ELEVATIONS AND TOTAL FLOWS FOR POSSIBLE DIVERSION LOCATIONS

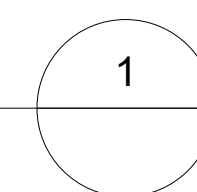
Location	Historic Mud River	2 Year - 24 Hour Event		5 Year - 24 Hour Event		10 Year - 24 Hour Event	
	Ditch Invert (FT)	WSE (FT)	Total Flow (CFS)	WSE (FT)	Total Flow (CFS)	WSE (FT)	Total Flow (CFS)
A	1149.3	1148.4	103	1149.7	197	1150.6	270
B	1150.5	1148.8	118	1150.3	223	1151.5	304
C	1149.1	1147.0	119	1148.6	224	1149.8	306

TABLE 3: PROPOSED CHANNEL EXCAVATION QUANTITIES

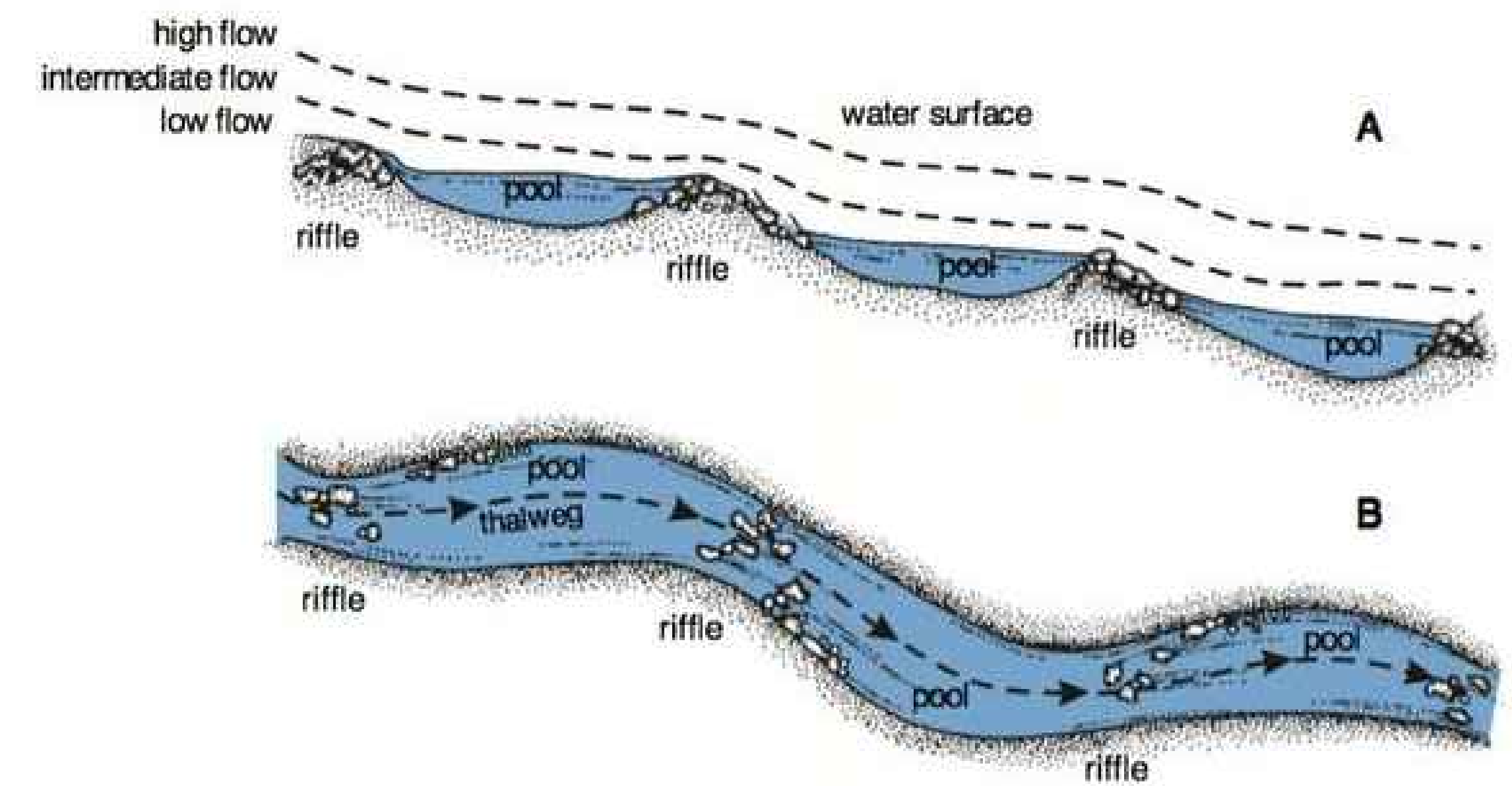
Diversion Location	Channel Length (FT)	Slope (%)	Upstream Invert (FT)	Downstream Invert (FT)	Excavation (CY)
A - Restoration Option 1	32484	0.017	1147.4	1142	96285
B - Restoration Option 2	25092	0.023	1147.8	1142	56708
C - Restoration Option 3	16681	0.024	1146.0	1142	31583



TYPICAL RESTORATION SECTION
SCALE: 1" = 2'



RIFFLE POOLS



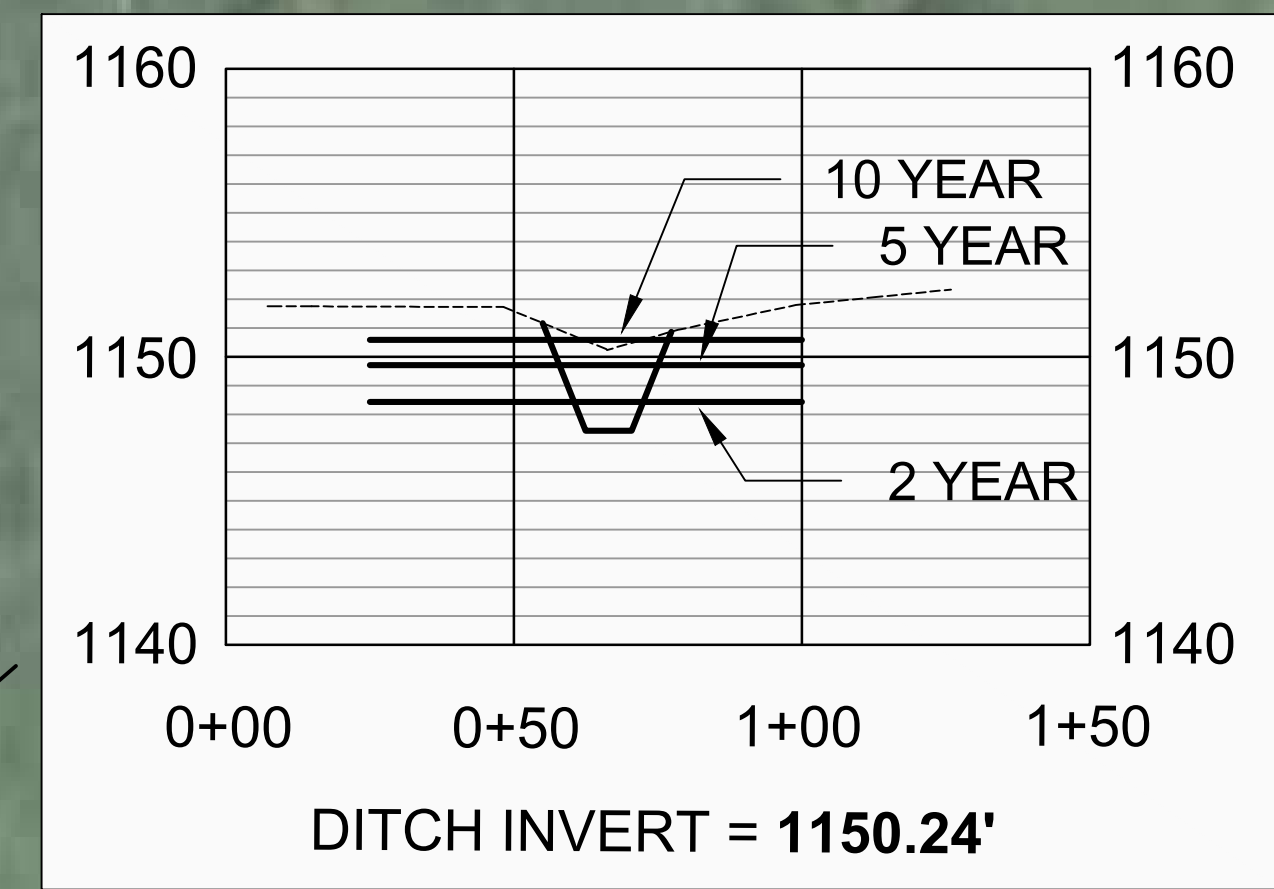
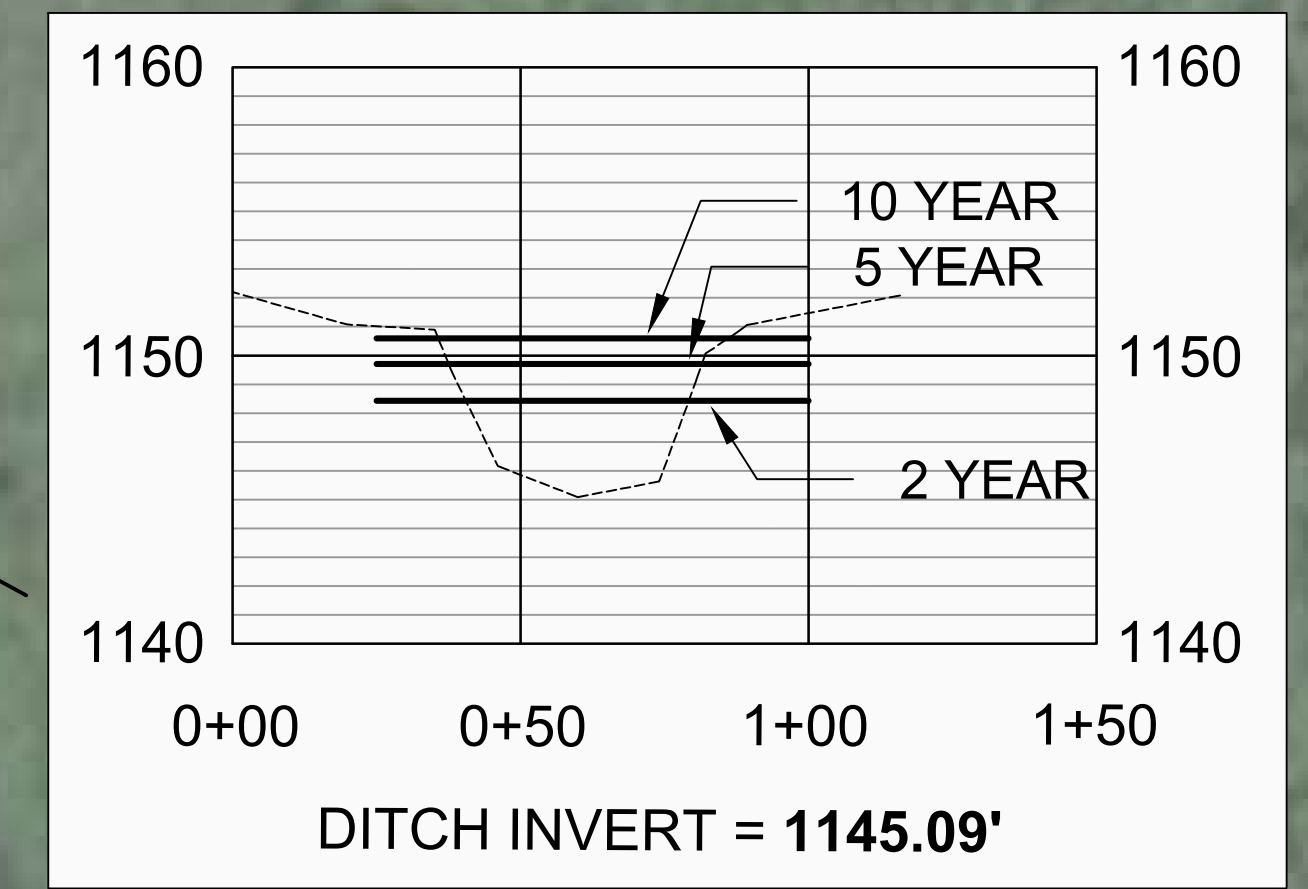
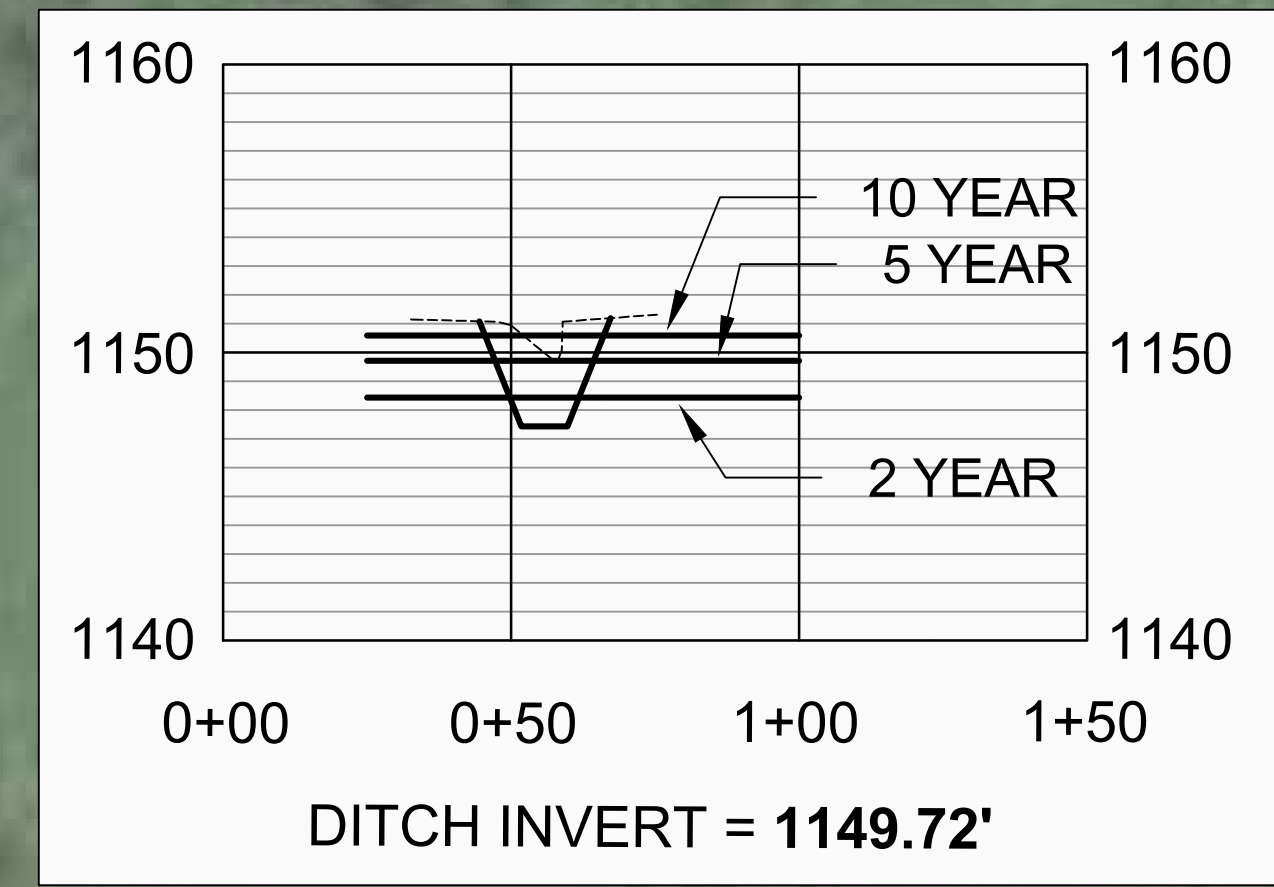
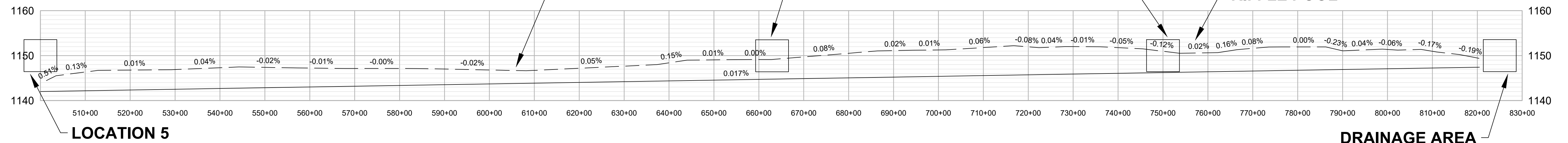
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

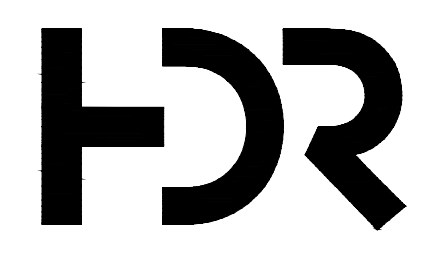
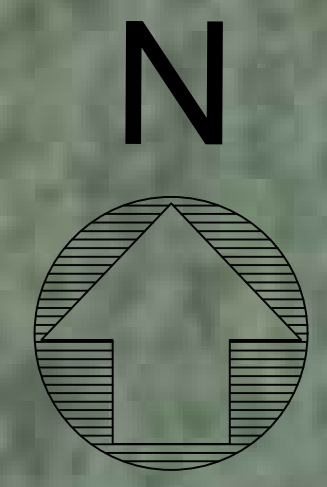
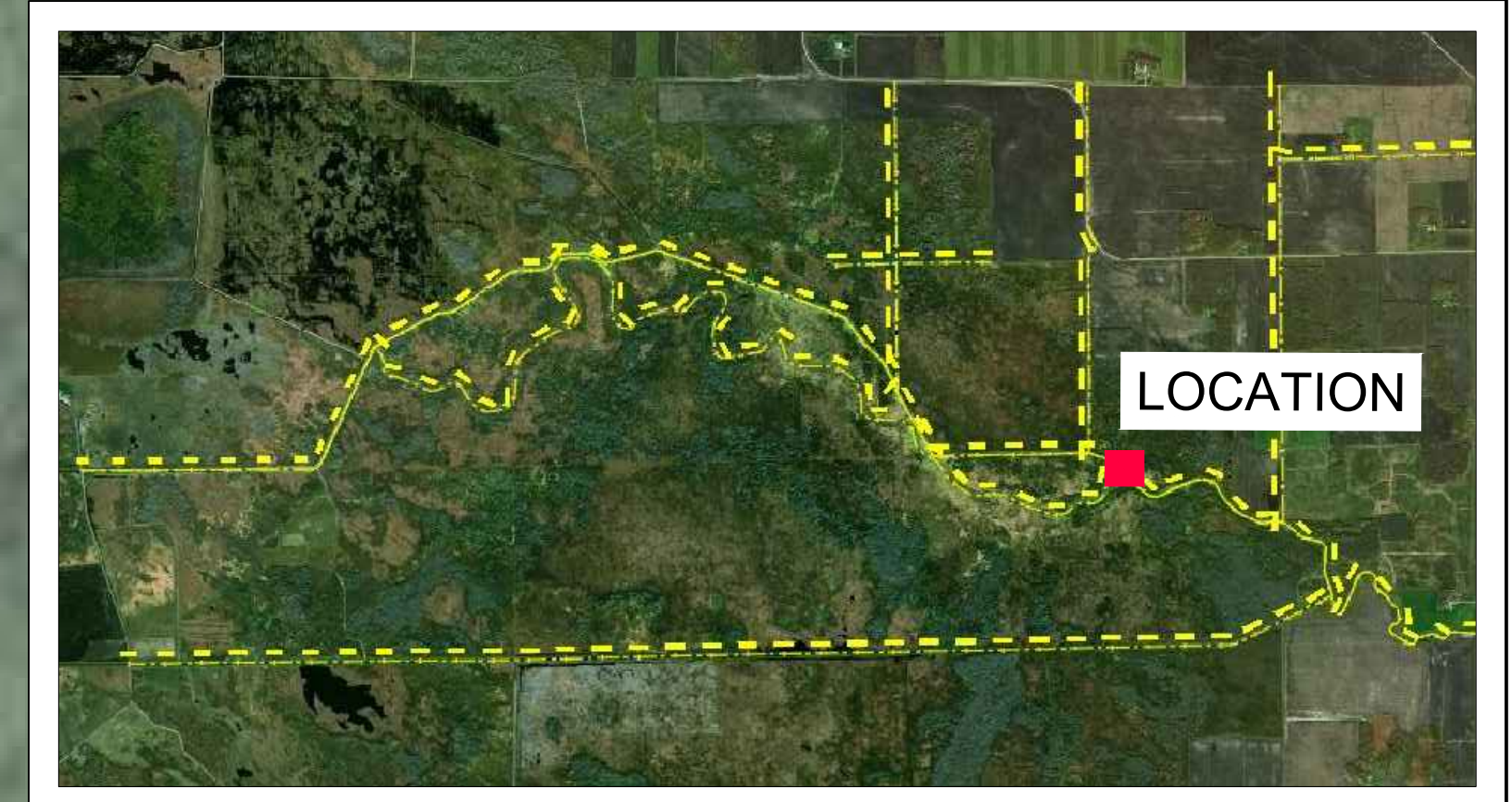


FILENAME
SCALE AS SHOWN

HISTORIC MUD RIVER



CROSS SECTION TAKEN 850' DOWNSTREAM FROM CONFLUENCE



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER	J. HUWE
DESIGNER	B. GEARHART
DRAWN BY	B. GEARHART
PROJECT NUMBER	10277572

**MUD RIVER RESTORATION
DRAINAGE AREA DIVERSION A**

0 1" 2" FILENAME: SCALE: 1" = 40'

SHEET
6



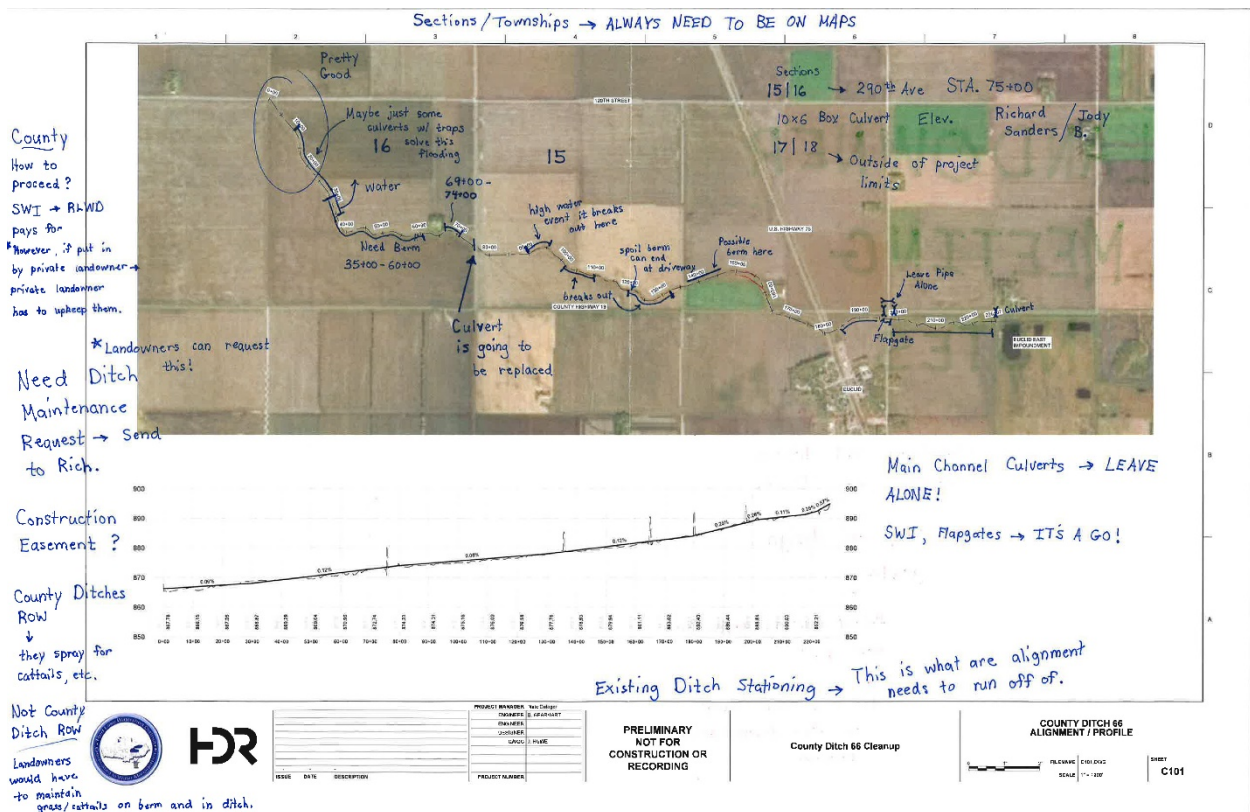




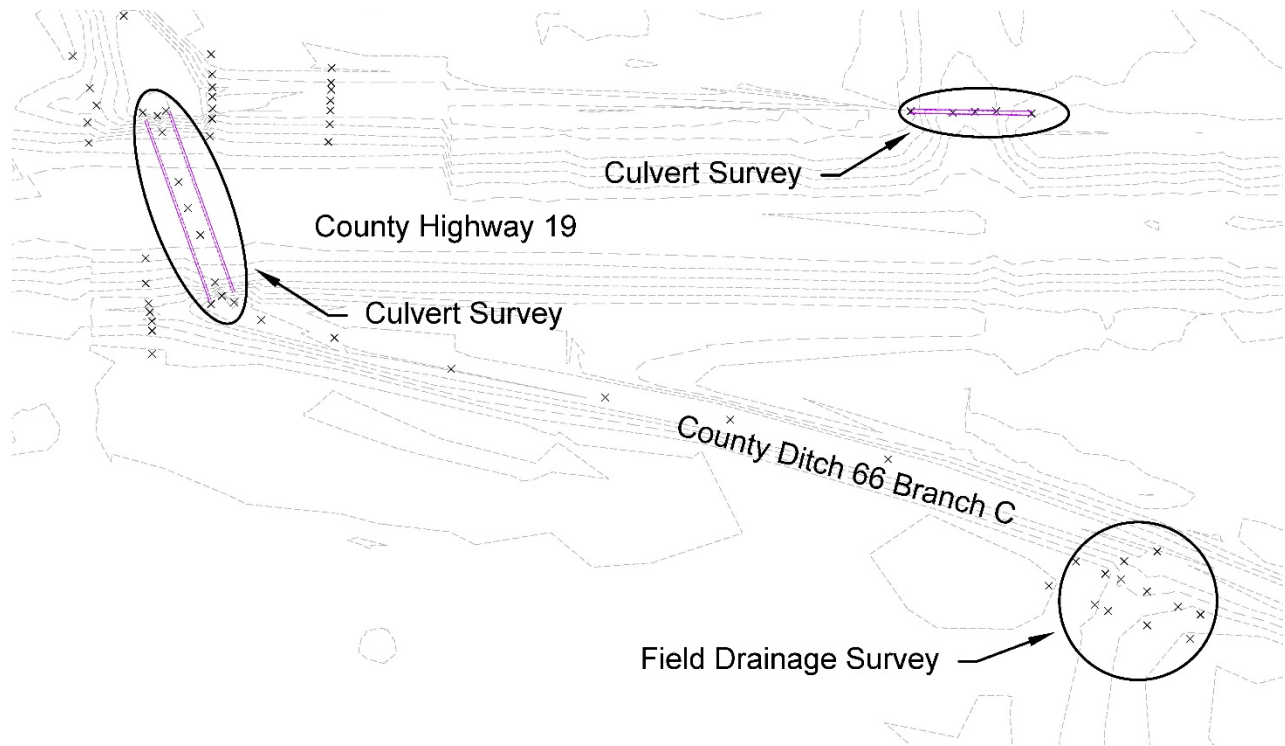
Euclid East Outlet Improvement



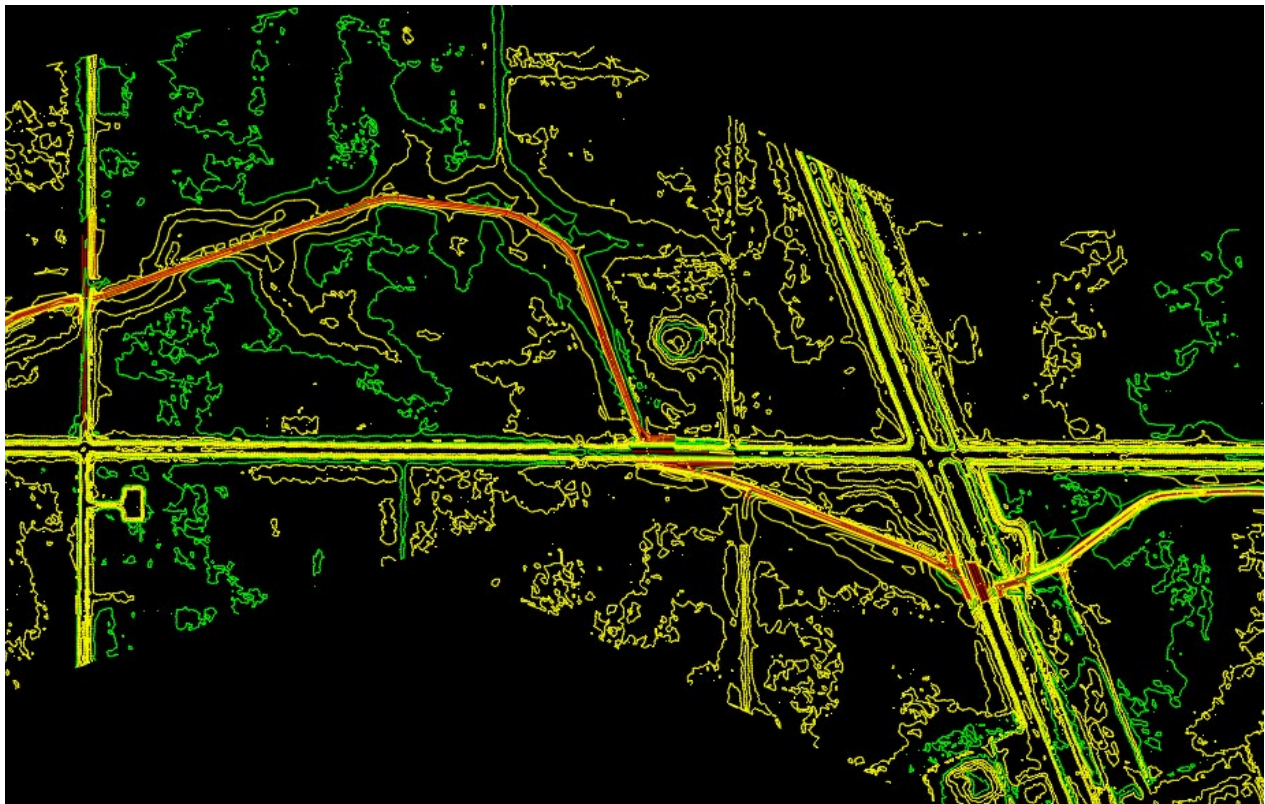
Landowner Meeting (April 20th, 2021) – Discussed locations farmers felt water was breaking out and leaving the ditch. The map below highlights what was said during the landowner meeting.

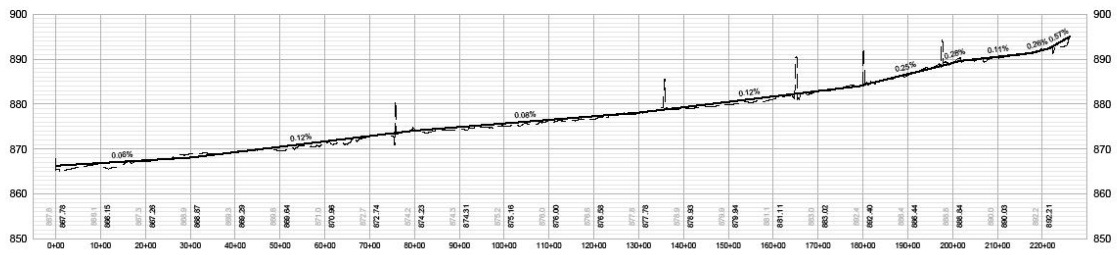


Survey – Initial survey data was provided by the watershed district. To better understand how to fix the issue HDR went out into the field and surveyed all the field drainages and culverts.

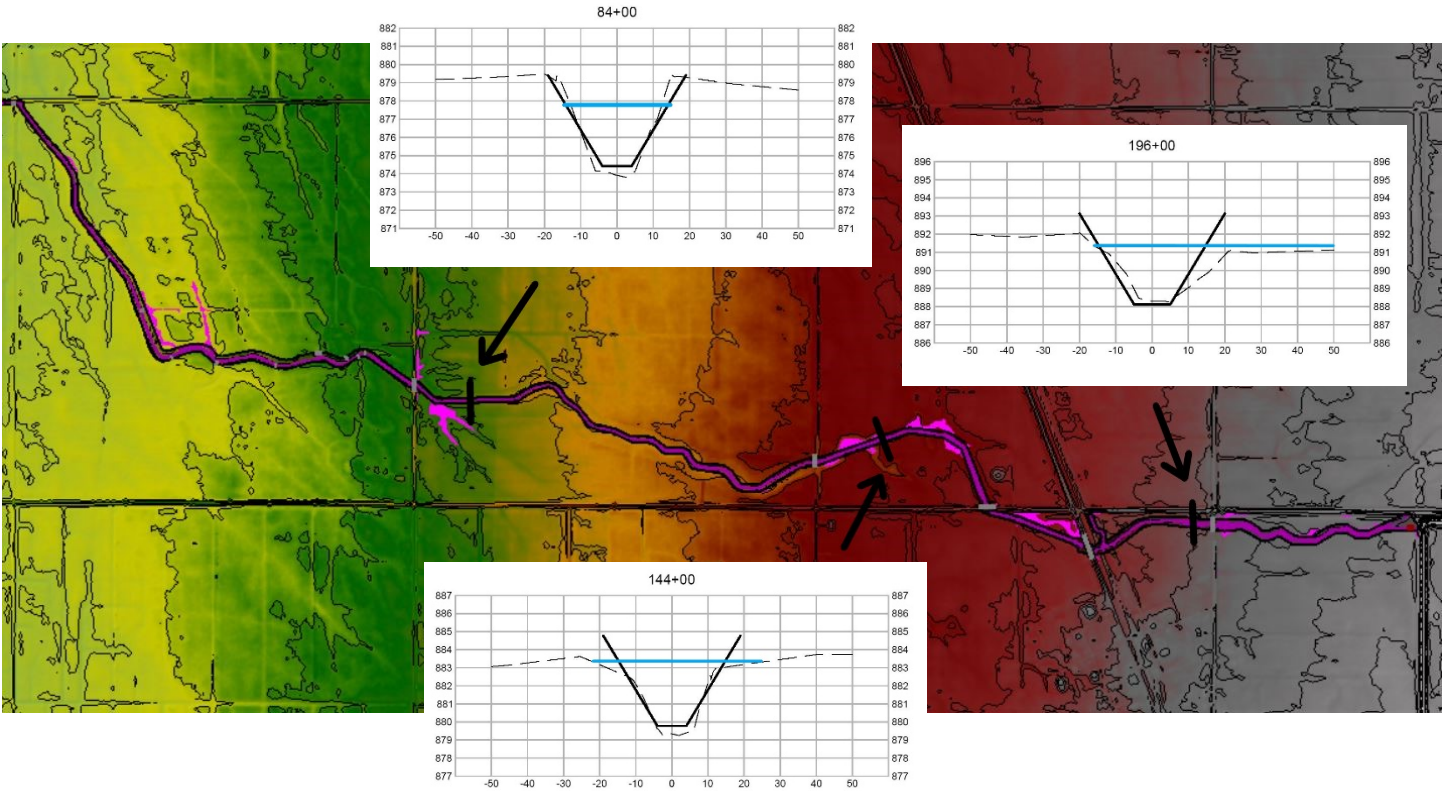


CAD – The survey collected was used to build an existing ground surface for the entire ditch system. A comparison was then made with the legal ditch grade and cross sections were taken throughout to get an idea of the current ditch condition.





Modeling – A 2-D model using HEC-RAS 5.0.7 was built for the existing ditch and ran against a variety of different flows being discharged from the impoundment. The results below show the maximum WSE for a constant discharge of 150 CFS from the impoundment.



Field Observations



Plugged culvert and road washout along 290th Ave SW.



Plugged culvert and poor condition of ditch looking east at 270th Ave SW.



Example of a minor ditch back out located around station 156+00.



Example of an overgrown portion of the ditch. System needs cleaning in select locations.



Example of a well-maintained ditch bottom with nicely vegetated side slopes.



Example of a side water inlet with a screw gate located around station 53+00.

Original Assumed Scope of Work

- Water was breaking out of the ditch and berms were going to be constructed

FOUND

- Water is only backing out of the ditch

Recommended Scope of Work

Phase 1 - Fall 2021 (Construction)

- Ditch cleanout (paid hourly) with provided GPS legal grade profile
- 18" south side berm east of U.S. Highway 75
- Clean up crossings to provide adequate flow through culverts
- Add/replace side water inlets in locations as needed

Next Steps

1. Setup another landowner meeting to go over findings and proposed solutions for fixing the ditch
2. RLWD staff to finish technical work

**Agreement Between
Red Lake Watershed District and
Red Lake Falls Independent School District 630
River Watch Program**

THIS AGREEMENT is made between the Red Lake Watershed District (hereinafter RLWD) and Red Lake Falls Independent School District Number 630 (hereinafter Recipient).

WHEREAS, BOTH PARTIES have a mutual interest in the continuation of the River Watch water quality monitoring program in the Red Lake Watershed.

WHEREAS, the RLWD Board of Managers has voted to grant the Recipient funds and support for a five-year period for the River Watch water quality monitoring program described herein.

WHEREAS, this agreement is entered into pursuant to the authority granted in Minnesota Statute 471.59, where the RLWD and Recipient are political subdivisions.

NOW THEREFORE, it is agreed by the RLWD and the Recipient:

1. GENERAL CONDITIONS

1.1 Applicable substitute teacher rates and mileage rates are attached to this agreement and labeled as Attachment A.

1.2 Ownership of any property or supplies supplied by the RLWD to the recipient shall be retained by the RLWD upon termination of this agreement. Also, any unused or surplus funds shall be retained by the RLWD upon termination of this agreement.

1.3 This agreement is to be approved by the RLWD and Recipient through resolutions by the RLWD Board of Managers and the Recipients' School Board.

1.4 CONTACT PERSONS

The authorized contact person and address for the RLWD is:

Christina Slowinski
Red Lake Watershed District
1000 Pennington Avenue South
Thief River Falls, MN 56701
Phone: (218)681-5800
Fax: (218)681-5839
e-mail: christina.slowinski@redlakewatershed.org

General Agreement

The authorized contact person and address for the Recipient is:

Jason Kenfield

404 Champagne Ave / P.O. Box 399

Red Lake Falls, MN 56750

Phone: 218-253-2163

Fax: 218-253-2163

e-mail: jkenfield@rlfedu.org

2. USE OF FUNDS

- 2.1 Recipient shall use the funds granted by the agreement to achieve the work program laid out in Section 3 below.
- 2.2 Recipient shall provide a Disbursement Voucher on a semiannual basis for disbursement of the water quality monitoring funds. A copy of this disbursement voucher, along with a key form, is attached to this agreement and labeled as Attachment B.

3. PROGRAM

3.1 Recipient agrees to:

- A. Use, store and protect equipment in accordance with procedures outlined in the "Standard Operating Procedures for Water Quality Monitoring in the Red River Watershed" (hereinafter RLWD SOP) provided by the RLWD.
- B. Collect water quality samples and other pertinent information according to the RLWD SOP Manual. At a minimum, each group will collect data on:
 - Dissolved Oxygen
 - Water Temperature
 - Conductivity
 - pH
 - Turbidity
 - Visual Water Clarity
 - Stream Stage and Depth
 - Field Observations
- C. Monitor no less than four separate sites, preferably on a monthly basis.
- D. Enter and store all data in electronic form on a spreadsheet template approved by RLWD.

General Agreement

- E. Where applicable, maintain RLWD equipment in its normal condition; notify the RLWD Contact Person in case of equipment repair or replacement.
- F. Submit a semiannual disbursement voucher to the RLWD as outlined in Section 2.
- G. Recipient's students are under Recipient's control and are the Recipient's responsibility at all times.
- H. Assume all responsibility for supervision, protection, transportation, and other safety of students.
- I. Agree to indemnify and hold the RLWD harmless for any claims or damages, including costs and attorney's fees.

3.2 The RLWD agrees to make available as required:

- A. Direct RLWD staff support or other approved person as necessary for each monitoring trip.
- B. Necessary equipment and consumable materials as needed for water quality monitoring.
- C. Field training and notification of other training opportunities for teachers and students.
- D. Data entry training, electronic file templates, field data sheets and site metadata necessary to maintain the highest possible data quality.
- E. Verification of the accuracy of all data submitted to the Minnesota Pollution Control Agency or intermediate data repositories such as the International Water Institute water quality database.
- F. Consideration of support for other student research initiatives on a per-case basis, depending on project relevance to the RLWD mission.

4. EFFECTIVE DATE

- 4.1 This agreement commences upon execution by both parties, not sooner than May 1, 2020 and no later than May 1, 2025.

5. TERMINATION

- 5.1 This agreement will terminate on May 1, 2025 unless earlier terminated by the parties as follows in Sections 5.2 and 5.3.
- 5.2 This agreement may be terminated by the RLWD for cause at any time upon seven (7) days written notice to the recipient. Cause shall mean a material breach of this agreement and will result in the termination of funding and Recipients' return of RLWD equipment purchased under this agreement.
- 5.3 This agreement may be terminated by the RLWD or the Recipient at any time with or without cause upon thirty (30) days written notice to the other party. In the event of such a

General Agreement

cancellation, the recipient shall be entitled to payment determined on a pro rata basis for work or services satisfactorily performed. Payment shall be at the discretion of the Red Lake Watershed District Board of Managers.

6. PAYMENT

6.1 A disbursement voucher will be filled out by the recipient and should be received by the RLWD at least twice per year, approximately April 1 and October 1.

7. Signatures

Dale M. Nelson, President
Red Lake Watershed District
Board of Managers

Date _____



Chairman of the School Board
Red Lake Falls ISD 630

Date 5/20/21



Clerk of the School Board
Red Lake Falls ISD 630

Date 5/20/21

**Agreement Between
Red Lake Watershed District and
Win-E-Mac Independent School District 2609
River Watch Program**

THIS AGREEMENT is made between the Red Lake Watershed District (hereinafter RLWD) and Win-E-Mac Independent School District Number 2609 (hereinafter Recipient).

WHEREAS, BOTH PARTIES have a mutual interest in the continuation of the River Watch water quality monitoring program in the Red Lake Watershed.

WHEREAS, the RLWD Board of Managers has voted to grant the Recipient funds and support for a five-year period for the River Watch water quality monitoring program described herein.

WHEREAS, this agreement is entered into pursuant to the authority granted in Minnesota Statute 471.59, where the RLWD and Recipient are political subdivisions.

NOW THEREFORE, it is agreed by the RLWD and the Recipient:

1. GENERAL CONDITIONS

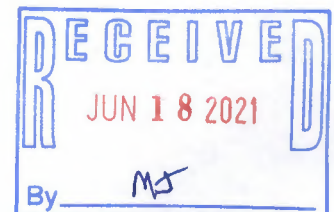
- 1.1 Applicable substitute teacher rates and mileage rates are attached to this agreement and labeled as Attachment A.
- 1.2 Ownership of any property or supplies supplied by the RLWD to the recipient shall be retained by the RLWD upon termination of this agreement. Also, any unused or surplus funds shall be retained by the RLWD upon termination of this agreement.
- 1.3 This agreement is to be approved by the RLWD and Recipient through resolutions by the RLWD Board of Managers and the Recipients' School Board.

1.4 CONTACT PERSONS

The authorized contact person and address for the RLWD is:

Christina Slowinski

Red Lake Watershed District
1000 Pennington Avenue South
Thief River Falls, MN 56701
Phone: (218)681-5800
Fax: (218)681-5839
e-mail: christina.slowinski@redlakewatershed.org



General Agreement

The authorized contact person and address for the Recipient is:

Jill Bakken

23130 345th Street SE

Erskine, MN 56535

Phone: (218)563-2900

Fax: (218)563-2902

e-mail: jbakken@win-e-mac.k12.mn.us

2. USE OF FUNDS

2.1 Recipient shall use the funds granted by the agreement to achieve the work program laid out in Section 3 below.

2.2 Recipient shall provide a Disbursement Voucher on a semiannual basis for disbursement of the water quality monitoring funds. A copy of this disbursement voucher, along with a key form, is attached to this agreement and labeled as Attachment B.

3. PROGRAM

3.1 Recipient agrees to:

A. Use, store and protect equipment in accordance with procedures outlined in the "Standard Operating Procedures for Water Quality Monitoring in the Red River Watershed" (hereinafter RLWD SOP) provided by the RLWD.

B. Collect water quality samples and other pertinent information according to the RLWD SOP Manual. At a minimum, each group will collect data on:

- Dissolved Oxygen
- Water Temperature
- Conductivity
- pH
- Turbidity
- Visual Water Clarity
- Stream Stage and Depth
- Field Observations

C. Monitor no less than four separate sites, preferably on a monthly basis.

D. Enter and store all data in electronic form on a spreadsheet template approved by RLWD.

General Agreement

- E. Where applicable, maintain RLWD equipment in its normal condition; notify the RLWD Contact Person in case of equipment repair or replacement.
- F. Submit a semiannual disbursement voucher to the RLWD as outlined in Section 2.
- G. Recipient's students are under Recipient's control and are the Recipient's responsibility at all times.
- H. Assume all responsibility for supervision, protection, transportation, and other safety of students.
- I. Agree to indemnify and hold the RLWD harmless for any claims or damages, including costs and attorney's fees.

3.2 The RLWD agrees to make available as required:

- A. Direct RLWD staff support or other approved person as necessary for each monitoring trip.
- B. Necessary equipment and consumable materials as needed for water quality monitoring.
- C. Field training and notification of other training opportunities for teachers and students.
- D. Data entry training, electronic file templates, field data sheets and site metadata necessary to maintain the highest possible data quality.
- E. Verification of the accuracy of all data submitted to the Minnesota Pollution Control Agency or intermediate data repositories such as the International Water Institute water quality database.
- F. Consideration of support for other student research initiatives on a per-case basis, depending on project relevance to the RLWD mission.

4. EFFECTIVE DATE

- 4.1 This agreement commences upon execution by both parties, not sooner than May 1, 2020 and no later than May 1, 2025.

5. TERMINATION

- 5.1 This agreement will terminate on May 1, 2025 unless earlier terminated by the parties as follows in Sections 5.2 and 5.3.
- 5.2 This agreement may be terminated by the RLWD for cause at any time upon seven (7) days written notice to the recipient. Cause shall mean a material breach of this agreement and will result in the termination of funding and Recipients' return of RLWD equipment purchased under this agreement.
- 5.3 This agreement may be terminated by the RLWD or the Recipient at any time with or without cause upon thirty (30) days written notice to the other party. In the event of such a

General Agreement

cancellation, the recipient shall be entitled to payment determined on a pro rata basis for work or services satisfactorily performed. Payment shall be at the discretion of the Red Lake Watershed District Board of Managers.

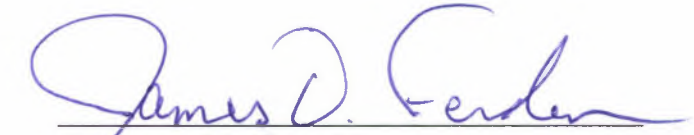
6. PAYMENT

6.1 A disbursement voucher will be filled out by the recipient and should be received by the RLWD at least twice per year, approximately April 1 and October 1.

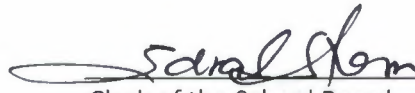
7. Signatures

Dale M. Nelson, President
Red Lake Watershed District
Board of Managers

Date _____



Chairman of the School Board
Win-E-Mac ISD 2609
Date 6-15-21



Clerk of the School Board
Win-E-Mac ISD 2609
Date 6-15-21

Attachment A

Table A.1. Annual Volunteer Water Quality Monitoring Program Budget¹

Program Element	Cont
1) Substitute Teacher rate of \$87.73/day (\$78 base + \$5.73 FICA _ \$3.00 PERA) (8 schools for one year)	\$6316.56
3) Transportation: 9 sample dates @ 20 miles + training/forums est. 140 miles (8 schools for one year)	\$1920.00
4) Miscellaneous Budget (equipment repair and replacement)	\$1,000
6) RLWD Staff Time	\$28,000
TOTAL	\$37,236.56

¹ This budget estimate is based on eight schools making nine monitoring trips in one year.

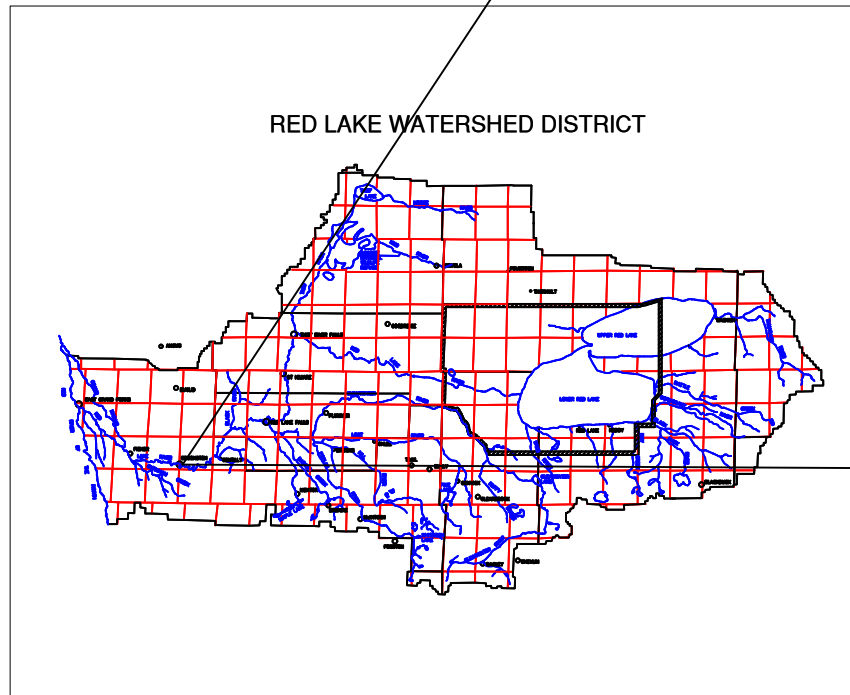
Red Lake Watershed District River Watch Voucher Form Key

Term Used:	Description:
Name	Enter the name of teacher and school applying for.
City	Enter city of school/billing address
Address	Enter address of school or where reimbursement will be sent.
State	Automatically entered in Minnesota.
Zip	Enter zip code of school/billing address.
Date	Enter date of accrued expense.
Description	Enter the description of the expense, use the attached "Qualified Expenses Sheet" for reference. The expenses listed there are ones deemed acceptable by the Red Lake Watershed District. Any other expenses need to be approved by a Red Lake Watershed District representative.
Code	Leave this blank and an RLWD representative should fill in the billing code.
Miles	Enter the number of miles traveled for the river Watch Program (maximum of 350 miles/year is reimbursable.)
Mileage Comp.	Enter the mileage reimbursement total (number of miles x \$0.75).
Substitute Teacher	Enter the amount for substitute teacher reimbursement (\$83.73 rate per day), has a maximum of 9 days per year allowed.
Other Expenses	Enter other expenses such as supplies, equipment repair, etc. See attached "Qualified Expenses Sheet."
Claimant Signature	Sign your name and enter the date of signature.
Date	
RLWD Office Section	(for use by RLWD staff)
Check No.	Enter reimbursement check number.
Date Paid	Enter the date check is sent.
Approved By	Signature of responsible project agent.



NAVD 1988
MARSHALL COUNTY COORDINATE SYSTEM

LARSON RING DIKE RLWD PROJECT #129AV



INDEX	
SHEET	DRAWING TITLE
-	COVER SHEET
1	ESTIMATED QUANTITIES, CONSTRUCTION NOTES, & TYPICAL SECTIONS
2	SITE PLAN
3	PLAN & PROFILE

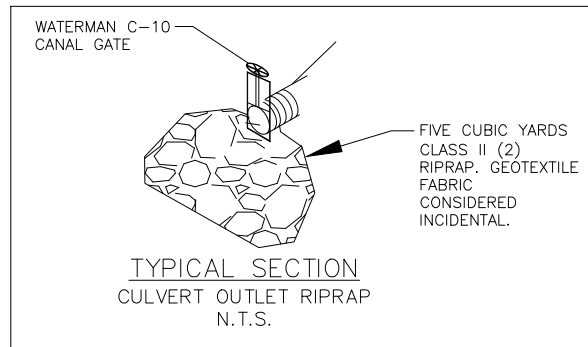
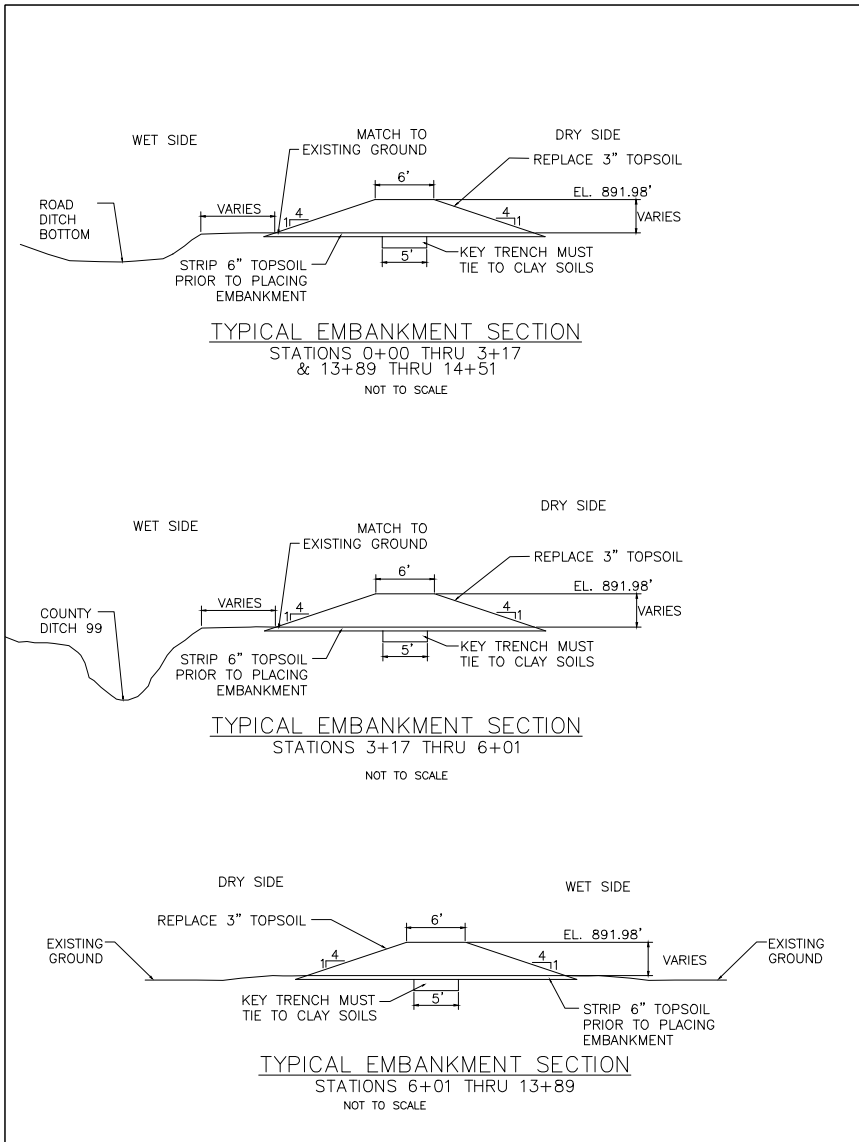
STATEMENT OF ESTIMATED QUANTITIES				
TABLE OR CONST. NOTE NO.	MNDOT/SPEC ITEM NUMBER	ITEM DESCRIPTION	UNITS	TOTAL ESTIMATED QUANTITIES
LARSON RING DIKE				
	2021.501	MOBILIZATION	LS	1
A1,C1,C2,C3,C11	2105.507	COMMON EXCAVATION (P)	CY	851
A4,C4,C11,D3,D5	2105.507	COMMON BORROW (CV) (P) - EMBANKMENT	CY	3,964
c5	2118.507	AGGREGATE SURFACE, CLASS V (CV)	CY	10
c9	2501.502	18" CS PIPE APRON	EACH	2
c9	2501.503	18" CS PIPE CULVERT	LF	110
c9	2501.502	18" GATE WATERMAN MODEL C-10	EACH	2
c10	2511.501	RANDOM RIPRAP - CLASS II (P)	CY	10
c6,c7,c8	2575.505	SEEDING	ACRE	1.06
c6	2575.508	SEED MIXTURE, 25-131	POUND	233.2
c7	2574.508	FERTILIZER, TYPE 1	POUND	212
c12	2575.509	MULCH MATERIAL, TYPE 1	TON	2.12

CONSTRUCTION AND SOIL NOTES (A)	
<u>EXCAVATION, EMBANKMENTS, AND MISC.</u>	
1) EXCAVATION SHALL INCLUDE TOPSOIL STRIPPING, KEY TRENCH EXCAVATION, AND EXTERIOR DITCH EXCAVATION.	
2) ALL MATERIALS NOT DESIGNATED FOR SALVAGE AND ALL DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OUTSIDE THE PROJECT AREA.	
3) CONTRACTOR SHALL TRANSITION ALL EARTHWORK SO NO SHARP EDGES OR CORNERS APPEAR POST-CONSTRUCTION.	
<u>TURF ESTABLISHMENT</u>	
PROVIDE FOR THE FOLLOWING TURF ESTABLISHMENT IN AREAS DISTURBED BY THE CONSTRUCTION:	
4) PLACE 3 INCH MIN. TOPSOIL, FERTILIZER, SEED & MULCH ON ALL DISTURBED AREAS.	
<u>COMPACTION REQUIREMENTS</u>	
5) EMBANKMENT MUST BE COMPACTED IN 1 FOOT LIFTS USING A TOW BEHIND COMPACTION ROLLER OR SHEEPSFOOT. USE OF A DOZER OR BACKHOE ARE NOT ACCEPTABLE FORMS OF COMPACTION.	

BASIS FOR ESTIMATED QUANTITIES (FOR INFORMATION ONLY) (C)	
1) STRIPPING - ASSUMES 6" AVERAGE DEPTH ACROSS ENTIRE FOOTPRINT OF DIKE. FOOTPRINT.	
2) KEY TRENCH - ASSUMED TO BE 5' WIDE, 1' DEEP, AND WILL EXTEND INTO CLAY SOILS.	
3) COMMON EXCAVATION - VOLUME OF CUT- INCLUDES STRIPPING OF THE RING DIKE FOOTPRINT.	
4) COMMON BORROW (EMBANKMENT) - COMPACTED VOLUME IN PLACE - INCLUDES EMBANKMENT. TOPSOIL REPLACEMENT SHALL BE CONSIDERED INCIDENTAL.	
5) AGGREGATE SURFACING - COMPACTED VOLUME IN PLACE - SHALL BE PLACED ON FINISHED DRIVEWAY & TAPERED AT A 10:1 SLOPE.	
6) SEED MIXTURE - MNDOT SEED MIXTURE 25-131 AT A RATE OF 220 LB/ACRE.	
7) FERTILIZER - TYPE 1 AT A RATE OF 200 LB/ACRE.	
8) TURF ESTABLISHMENT - INCLUDES SEEDING, SEED MIXTURE, FERTILIZER, MULCH, AND DISK ANCHORING. BASED ON AREA MEASUREMENT OF ALL DISTURBED SURFACES.	
9) PIPE CULVERTS - SHALL BE FITTED WITH WATERMAN C-10 CANAL GATES ON THE OUTLET END AND PIPE APRONS WHERE SPECIFIED.	
10) RANDOM RIPRAP CLASS II - FIVE CUBIC YARDS SHALL BE USED ON THE OUTLET END OF EACH PIPE CULVERT.	
11) EMBANKMENT DESIGN ASSUMES CLAY MATERIAL WILL BE FOUND WITHIN APPROXIMATELY ONE FOOT OF SURFACE.	
12) MULCH MATERIAL - TYPE 1 AT A RATE OF 2 TONS PER ACRE.	

CULVERT SCHEDULE						
STATION	SIZE	LENGTH	INLET INVERT	OUTLET INVERT	APRON	WATERMAN C-10
1+44-19' RT	18"	40'	887.78	887.65	2	0
2+43	18"	40'	887.40	887.00	0	1
6+76	18"	30'	888.70	887.40	0	1

STATION TABLE	
STATION	DESCRIPTION
0+00 TO 2+89	EAST/WEST EMBANKMENT
2+89 TO 6+32	NORTH/SOUTH EMBANKMENT
6+32 TO 10+11	EAST/WEST EMBANKMENT
10+11 TO 13+58	NORTH/SOUTH EMBANKMENT
13+58 TO 14+51	EAST/WEST EMBANKMENT



GENERAL CONSTRUCTION NOTES (D)	
1. STATE LAW REQUIRES THAT THE EXCAVATOR CONTACT GOPHER STATE ONE-CALL AT (800)-252-1166 FOR UTILITY LOCATIONS 72 HOURS PRIOR TO THE START OF EXCAVATION WORK.	
2. CONSTRUCTION LIMITS TO BE IDENTIFIED IN THE FIELD BY THE ENGINEER OR REPRESENTATIVE.	
3. DIKE ALIGNMENT SUBJECT TO CHANGE. VERIFY EXACT LOCATION IN THE FIELD WITH THE ENGINEER OR REPRESENTATIVE.	
4. CONTRACTOR SHOULD BE AWARE OF EROSION CONTROL SPECIFICATIONS, AND WILL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF SAID CONTROL MEASURES.	
5. DIKE MATERIALS SHALL BE OBTAINED FROM REQUIRED EXCAVATIONS WHERE THE EXCAVATED MATERIAL IS OF SUCH QUALITY THAT, IN THE JUDGEMENT OF THE ENGINEER, IT IS SUITABLE FOR USE. CONTRACTOR WILL BE REQUIRED TO VERIFY SITE DRAINAGE PLANS WITH THE ENGINEER. BORROW SITES SHALL BE RESTORED FOLLOWING CONSTRUCTION, WITH NO SLOPES STEEPER THAN 4:1 (H:V). RESTORATION SHALL INCLUDE REPLACING TOPSOIL, FINAL GRADING AND TURF ESTABLISHMENT.	
6. INSTALLATION OF GEOTEXTILE FABRIC SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM RANDOM RIPRAP - CLASS II.	
7. KEY TRENCH PREPARATION AND COMPACTION SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM COMMON BORROW - EMBANKMENT. SCARIFY TO A DEPTH OF 1' AND RE-COMPACT PRIOR TO NEW EMBANKMENT MATERIAL BEING PLACED.	
8. COORDINATE SYSTEM - POLK COUNTY.	
9. SITE ADDRESS: 24202 265TH ST SW CROOKSTON, MN 56716	

		PROJECT MANAGER		RED LAKE WATERSHED DISTRICT 1000 PENNINGTON AVENUE SOUTH THIEF RIVER FALLS, MN 56701 (218) 681-5800	LARSON RING DIKE RLWD PROJ. #129AV
		DESIGNED	NICK OLSON		
		CHECKED			
		DRAWN	NICK OLSON		
		PROJECT NUMBER	#129AV		
ISSUE	DATE	DESCRIPTION		FILENAME	SHEET
					1
				SCALE	

6+76
 PROVIDE
 18" X 30' CS PIPE
 INLET ELEVATION 888.7'
 OUTLET ELEVATION 887.40'

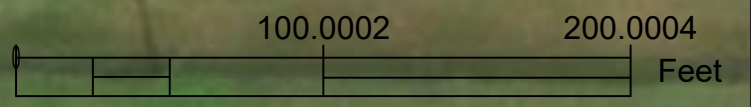
GRASS LINE



1+44 - 19' RT
 PROVIDE
 18" X 40' CS PIPE W/APRONS
 INLET ELEVATION 887.78'
 OUTLET ELEVATION 887.65'

2+43
 PROVIDE
 18" X 40' CS PIPE
 INLET ELEVATION 887.40'
 OUTLET ELEVATION 887.00'

265TH ST SW



ISSUE	DATE	DESCRIPTION

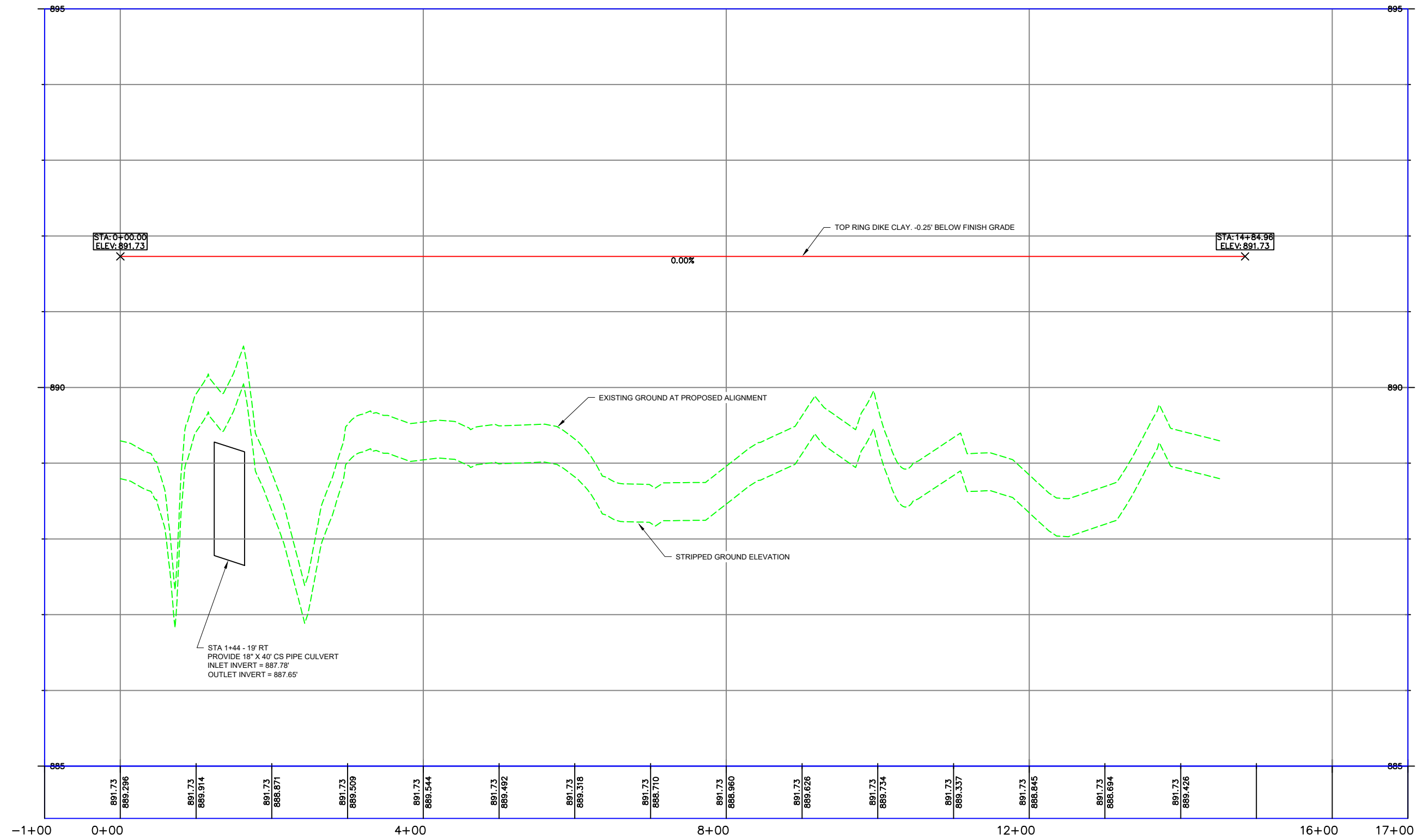
PROJECT MANAGER	
DESIGNED	NICK OLSON
CHECKED	
DRAWN	NICK OLSON
PROJECT NUMBER	#129AV

RED LAKE WATERSHED DISTRICT
 1000 PENNINGTON AVENUE SOUTH
 THIEF RIVER FALLS, MN 56701
 (218) 681-5800

LARSON RING DIKE RLWD PROJ. #129AV	
FILENAME	SHEET
	2
SCALE	

CL DIKE PROFILE

Station



-1+00	0+00		4+00		8+00		12+00		16+00	17+00				
891.73 889.296	891.73 889.914	891.73 888.871	891.73 889.509	891.73 889.544	891.73 889.492	891.73 889.318	891.73 888.710	891.73 889.960	891.73 889.626	891.73 889.734	891.73 889.337	891.73 888.845	891.73 888.694	891.73 889.426

STA 1+44 - 19' RT
PROVIDE 18" X 40' CS PIPE CULVERT
INLET INVERT = 887.78'
OUTLET INVERT = 887.65'

PROJECT MANAGER	NICK OLSON
DESIGNED	NICK OLSON
CHECKED	
CHECKED	
DRAWN	NICK OLSON
DRAWN	
PROJECT NUMBER	#129AV

RED LAKE WATERSHED DISTRICT
1000 PENNINGTON AVENUE SOUTH
THIEF RIVER FALLS, MN 56701
(218) 681-5800

LARSON RING DIKE
RLWD PROJ. #129AV

FILENAME	SHEET
SCALE	3



Permit # 20-107

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Enbridge Energy, LP	11 East Superior Street, Suite 125 Duluth, MN 55802		tel:218-522-4825 mobile: fax:

General Information

(1) The proposed project is a:

Utility Installations

(2) Legal Description

(3) County: **Red Lake** Township: **Lambert** Range: **41** Section: **1 1/4: NW1/4 NW1/4**

(4) Describe in detail the work to be performed. **Construct Line 3 replacement across the Lost River**

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

Status

Status	Notes	Date
Approved	1 Year Extension	June 22, 2021

Conditions

RLWD approves the extension request, the permit will now have a completion date of June 26, 2022. 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 # 21-030

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Brenda Scherer, et.al.		27067 661 Avenue Gibbon, MN 55335		tel:507-834-6463 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Garnes** Range: **41** Section: **28** 1/4:

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

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

Status

Status	Notes	Date
Approved		June 23, 2021
Tabled		April 7, 2021
Received		March 26, 2021

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'pump' outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlet, applicant shall ensure that adequate grade and drainage is provided. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. Applicant shall ensure that the tile outlet is visibly marked. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) Applicant shall not work within the Enbridge Pipeline right-of-way without approval from Enbridge. N.J.O./L.S.

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 # 21-077

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Minakwa Golf Course	901 Fisher Avenue Crookston, MN 56716		tel:218-791-8514 mobile: fax:

General Information

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)
Channel Stabilization or Restoration, Erosion Control, and Other Water Related Facilities**

(2) Legal Description

(3) County: **Polk** Township: **Lowell** Range: **47** Section: **25 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Dredging the waterway and clearing cattails and grass.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Cattails, grass and sediment over the years has caused restriction of water egressing from the golf course which is causing damage bordering the waterway throughout the golf course because of high water retention.**

Status

Status	Notes	Date
Approved		June 23, 2021
Received		June 2, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean a natural coulee and re-lay existing culverts. If any culverts are to be replaced within the golf course property, they shall be replaced with an 18" diameter culvert. All excavation shall be consistent with the existing 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 shall ensure that all disturbed areas are seeded. Consideration should be had regarding installation of filter fabric and rock riprap at the outlet end the culverts to prevent erosion. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./T.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 # 21-079

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Dan Stroot		1217 18th Avenue SE East Grand Forks, MN 56721		tel:218-289-1310 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Belgium** Range: **46** Section: **5 1/4**:

(4) Describe in detail the work to be performed. **Install random tile with gravity outlet.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 10, 2021

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'gravity' outlet. The tile outlet shall be located on the east side of 250th Ave SW. This is where the surface drainage flows, the tile water shall drain in the same direction. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlet, applicant shall ensure that adequate grade and drainage is provided. 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 shall install appropriate erosion control measures for energy dissipation at the tile outlet. Applicant shall ensure that the tile outlet is visibly marked. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

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 # 21-081

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Douglas & Barb Erdman		26856 310th Street SW Crookston, MN 56716		tel:218-281-4214 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Andover** Range: **47** Section: **24 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Install field crossing in south ditch of township road (310th Street SW)**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Access to new grain bin site.**

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 14, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install a 15" diameter entrance culvert, as per approval of Andover Township; proposed work is within township road right-of-way. Applicant shall ensure that all disturbed areas are seeded. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end the permitted culvert to prevent erosion. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

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 # 21-082

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike Gasper		27186 237th Avenue SW Crookston, MN 56716		tel: mobile: 218-289-0076 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: Polk Township: Fanny Range: 47 Section: 25 1/4: NE1/4, SE1/4

(4) Describe in detail the work to be performed. **Clean ditch in two locations on MnDOT right-of-way.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 14, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean Trunk Highway #75 east road ditch in section 25 of Fanny Township, as per approval of Minnesota Department of Transportation (MNDOT); applicant shall meet all MNDOT specifications & conditions. If the Applicant is going to work within the railroad right-of-way, they shall submit documentation from the railroad granting their approval & meet their spec's/conditions. A survey of the ditch bottom profile has been completed by the RLWD and a copy of the profile has been sent to the applicant. As per conversation with Brad Knudson at MNDOT, the applicant shall improve the road slope and backslope at a 4:1 (H:V). The improved ditch bottom shall be a minimum of 6' wide. Flows shall not be changed or diverted. 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 # 21-083

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike Gasper		PO Box 276 Crookston, MN 56716		tel: mobile: 218-289-0076 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Euclid** Range: **47** Section: **16 1/4**:

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

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 14, 2021

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with multiple 'pump' outlets. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlet, applicant shall ensure that adequate grade and drainage is provided. 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 shall install appropriate erosion control measures for energy dissipation at the tile outlets. Applicant shall ensure that the tile outlets are visibly marked. ■ **Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.**

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 # 21-084

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike Gasper		PO Box 276 Crookston, MN 56716		tel: mobile: 218-289-0076 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Louisville** Range: **45** Section: **19 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 14, 2021

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'pump' outlet. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlet, applicant shall ensure that adequate grade and drainage is provided. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlet. Applicant shall ensure that the tile outlet is visibly marked. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

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 # 21-085

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike Gasper		PO Box 276 Crookston, MN 56716		tel: mobile: 218-289-0076 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Crookston** Range: **46** Section: **15 1/4: N1/1**

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 14, 2021

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with multiple 'pump' outlets. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlet, applicant shall ensure that adequate grade and drainage is provided. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlets. Applicant shall ensure that the tile outlets are visibly marked. ■ **Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.**

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 # 21-086

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Edward & Stephanie Boushee		20072 430th Avenue East Grand Forks, MN 56721		tel:701-340-3850 mobile: fax:

General Information

(1) The proposed project is a:

Channel Stabilization or Restoration, Erosion Control, and Other Water Related Facilities

(2) Legal Description

(3) County: **Polk** Township: **Huntsville** Range: **49** Section: **29 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Install a grade stabilization structure.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Runoff is flowing uncontrolled down a steep slope causing head cutting in cropland. Sediment from erosion is entering DNR public watercourse a tributary to the Red Lake River.**

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 16, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install a grade stabilization structure as per plan-set provided. 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 # 21-087

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Chad Lian		15542 180th Avenue NE Thief River Falls, MN 56701		tel: mobile: 218-688-0073 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Mayfield** Range: **41** Section: **23 1/4: NE1/4 NE1/4**

(4) Describe in detail the work to be performed. **Install culvert with field crossing.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 16, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install a 24" diameter entrance culvert, as per approval of Pennington County Highway Department (PCHD); applicant shall meet all PCHD specifications & conditions. Applicant shall ensure that all disturbed areas are seeded. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end the permitted culvert to prevent erosion. 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 # 21-089

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Joe Phillip		22878 260th Avenue NE Goodridge, MN 56725		tel: mobile: 218-686-0156 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall** Township: **Grand Plain** Range: **41** Section: **5 1/4: NW1/4 NE1/4**

(4) Describe in detail the work to be performed. **Install 18"x40 culvert and field crossing.**

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

Status

Status	Notes	Date
Approved		June 22, 2021
Received		June 21, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install an 18" diameter entrance culvert, as per approval of Marshall County Highway Department (MCHD); applicant shall meet all MCHD specifications & conditions. Applicant shall ensure that all disturbed areas are seeded. Consideration should be had regarding installation of rock riprap with filter fabric at the outlet end the permitted culvert to prevent erosion. 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.

Red Lake Watershed District - Administrators Report

June 24, 2021

Red River Watershed Management Board – LeRoy attended the RRWMB at 9:00 am June 15, 2021. This meeting was held live for Board members and selected guests. I was unable to attend for Dr. Appointment.

Red River Basin Flood Damage Reduction Workgroup - FDRWG met Wednesday June 16th via Webex. Anderew Graham has done a great job in reorganizing this group as their attendance has grown considerably. One of the topics at the meeting was the appropriation of PWT funds to active Project Teams. Since the RLWD Board never officially formed a PT accordance to the PT Handbook, no funds could be dispersed to the Mud River Project.

Clearwater River 1W1P – At 10:00 am June 23rd the Clearwater River 1W1P Advisory and Policy Committee held their meeting at the Clearwater County Board Room in Bagley. There was very good participation both live and remote but with a lot of the meetings that mix live with remote, it was very difficult to intertwine the two groups. Audio was very difficult to hear and not sure what is the plan as we move forward in developing the plan. Corey was live at the meeting location, but Christina and I attended remotely.

Red Lake River 1W1P – RLR1W1P Planning Workgroup will meet Monday June 28th at 3:00 pm in preparation of the upcoming Policy Committee meeting which will be held at 9:30 am July 14th. This meeting will be held live with the option of virtual to the public. My hope is that most folks will decide to attend live.

Minnesota Agriculture & Rural Leadership Program (MARL) – Peter Nelson and I attended a session for MARL. This is a statewide program which helps “To develop the skills of **MN Agricultural and rural leaders** so they may maximize their impact and effectiveness in local, state, national and international arenas,” has created enthusiastic and professional **leaders** from **Minnesota's rural** and **agricultural** communities. This seminar was virtual and was held at 3:30 pm Wednesday June 23rd at the District Board Room.

Riverview Nature Camp – Christina and Corey participated in the Riverview Nature Camp which was held in Thief River Falls for Franklin Middle School students. The feedback we received was very positive and our staff was very happy to assist the school district in their efforts. I have included in your packet a few pictures of staff and students who participated in the event.

MAWD Region 1 – Terry, Tom and I attended the meeting which was held at 9:00 am Tuesday June 22nd in Ada. This meeting

Minnesota Association of Watershed Administrator – MAWA legislative meeting will be held at 11:00 am June 11th.



**Corey Hanson &
Christina Slowinski at
Riverview Nature Camp
Franklin Middle School
Thief River Falls Public Schools**