

RED LAKE WATERSHED DISTRICT

November 12, 2020

Agenda

9:00 a.m.

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	October 22, 2020 Minutes	Action
	Financial Report dated November 10, 2020	Action
	General Fund Budget Update	Information
	Ditch 16, RLWD Project No. 177	Information
	Thief River Falls Westside FDR Project, RLWD Project No. 178 Pay Estimate No. 13	Information Action
	Black River Impoundment, RLWD Project No. 176 Pay Estimate No. 1	Information Action
	Red Lake River 1W1P, RLWD Project No. 149-Funding Update	Information
	Ring Dike Funding	Info./Action
	Impoundment Update	Information
	Anderson/Neuschwander Drainage	Information
	Permit Extension 19201, FSMN Agri Partners	Action
	Permits: No. 20159, 20161, 20252, 20274-20276, 20278-20285, 20287, 20288, 20290, 20292-20300	Action
	2020 MAWD Annual Meeting Virtual-December 1-4, 2020 Clean Water Council Representative	Information Information

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

UPCOMING MEETINGS

November 11, 2020	Office Closed Veterans Day
November 12, 2020	RLWD Board Meeting, 9:00 a.m.
November 17, 2020	RRWMB Meeting, 10:00 a.m.
November 24, 2020	RLWD Board Meeting, 9:00 a.m. (Note change of date)
November 26-27, 2020	Office Closed Thanksgiving
December 1-4, 2020	2020 MAWD Annual Meeting-Virtual
December 10, 2020	RLWD Board Meeting, 9:00 a.m.

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
October 22, 2020

DRAFT

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

Present in person: Dale M. Nelson, Gene Tiedemann, Terry Sorenson, LeRoy Ose, and Les Torgerson. Present via conference call: Allan Page and Brian Dwight. Staff Present: Myron Jesme and Tammy Audette and Legal Counsel, Delray Sparby.

The Board reviewed the agenda. Motion by Ose, seconded by Tiedemann, and passed by unanimous vote that the Board approve the agenda. Motion carried.

The Board reviewed the October 8, 2020 minutes. Motion by Torgerson, seconded by Tiedemann, to approve the October 8, 2020 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated October 21, 2020. Motion by Sorenson, seconded by Ose, and passed by unanimous vote to approve the Financial Report dated October 21, 2020. Motion carried.

The Board reviewed the Investment Summary dated October 21, 2020.

Engineer Tony Nordby, Houston Engineering, Inc., stated that R.J. Zavoral & Sons, Inc., did some inspection on the west side (staging location area) of the Black River Impoundment, RLWD Project No. 178. Administrator Jesme and Managers Nelson and Page met with the Black River Church Counsel on October 21, 2020. Discussion was held on bringing in a row of trees at an approximate cost of \$200-\$400 a tree and then have the SWCD plant several rows also. Jesme reported that the council members are not concerned about the trees along the west side of the three acre parcel west of church but did request additional black dirt on the north side of the cemetery to allow for proper growth of grass. Jesme discussed a conference call with the NRCS regarding negotiating the \$3 million grant. The RRWMB made the decision to move forward with funding the project that was approved at their last meeting and work out details concerning the NRCS grant when additional information is received. The NRCS stated that the RLWD contribution will date back to September 19, 2020 so all monies spent after that timeline will be allowed. Nordby stated that he submitted all the plans, Geotechnical and Engineers Reports to the NRCS for their review.

The Board reviewed Pay Estimate No. 10 in the amount of \$156,158.78 to Burski Excavating, Inc. for construction of RLWD Ditch 16, RLWD Project No. 177. Motion by Ose, seconded by Tiedemann, to approve Pay Estimate No. 10 for \$156,158.78 to Burski Excavating, Inc. for Ditch 16, RLWD Project No. 177. Motion carried. Administrator Jesme stated that they are working on the last mile of the ditch system and hope to be completed by the middle of next week.

The Board reviewed Pay Estimate No. 12 in the amount of \$505,748.58 to R.J. Zavoral & Sons, Inc. for construction of the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178. Motion by Tiedemann, seconded by Torgerson, to approve Pay Estimate No. 12 in the amount of \$505,748.58 to R.J. Zavoral & Sons, Inc., for construction of the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178. Motion carried.

The Board reviewed Change Order No. 7, for additional sand material on the two MnDOT box culverts through TH #32 and TH #1. Administrator Jesme stated that the MnDOT Highway 32 culvert was capped at \$400,000, therefore the project will be required to cover the additional sand material for that site but MnDOT has agreed to pay the change order cost to material for TH #1 Box Culvert. Motion by Sorenson, seconded by Torgerson, to approve Change Order No. 7, to R.J. Zavoral and Sons, Inc., in the amount of \$62,724.40, for the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178. Motion carried. Engineer Nate Dalager, HDR Engineering, Inc., stated that the Contractor is about 94.67% complete of finishing the project. Dalager discussed his concern regarding the Storm Water Implementation Plan and finalizing the seeding and mulching. Discussion was held on lessening the percentage of retainer until the spring 2021. Dalager indicated that the ditch bottom and most likely additional seeding will have to be addressed next spring.

Administrator Jesme stated that he received a call from the Minnesota Deer Hunters Association (MNDHA) regarding a habitat crossing bridge on Jacobs Road, near Elm Lake that is no longer needed since Marshall County installed a crossing near the current location of the bridge. MNDHA asked Jesme should they not find a place for the bridge, if there was a public spot the District could use the bridge. Jesme asked the Board if the Parnell Impoundment would be a possible location should this particular bridge work at the location discussed by the Board at a previous meeting. The Deer Hunters Association is not able to meet due to the Covid19 pandemic but will discuss various options when possible. It was the consensus of the Board, that the District may be interested in the bridge if it becomes available.

Staff member Christina Slowinski stated that a culvert on a crossing referred to as the “Simmons Crossing” on the Burnham Creek Project, RLWD Project No. 43B, has a culvert that has deteriorated. Slowinski reported that this crossing has been repaired twice in the past years. Engineer Tony Nordby, Houston Engineering, Inc., reviewed the pipes, determining that since the one pipe is shot, the chances are good that so is the other pipe. Nordby stated that it appears water sits in these pipes frequently which attributes to rusting and deterioration. Nordby recommended replacement of the 2 – 29”x42” CSP arch pipes, recommending the use of quarry rock and crushed rock at various sizes to prevent erosion on the downstream end of the culvert. Nordby stated that the grouted riprap is still in place at the outlet end, and is recommending leaving it in-place, and tie it into the new design. Nordby also indicated that he was a little surprised of the lack of cover over the top of the culvert which may have to be addressed during construction. Slowinski reviewed three types of culvert to consider for replacement: galvanized, aluminized, and polymer (plastic coated); Nordby’s opinion of probable construction cost is \$21,619.20. Motion by Tiedemann, seconded by Ose, to approve replacement of the two aluminized culverts in the “Simmons Crossing”, on the Burnham Creek Project, RLWD Project No. 43B. Motion carried.

Administrator Jesme stated that the maintenance/modifications have been completed on the Brandt Impoundment, RLWD Project No. 60D. Jesme will work on acquiring a flowage easement with the landowner located along the inlet channel of the impoundment

Administrator Jesme reported that a ring dike funding request was received from Chad Ste. Maria, Terrebonne Township, Red Lake County. Jesme reminded the Board that Peter Nelson, Grand Plain Township, Pennington County had also requested assistance. Jesme will speak to Rob Sip, RRWMB, regarding a potential funding partnership.

Motion by Sorenson, seconded by Torgerson, to table RLWD Permit No. 20207 and 20208, Darrel & Danny Payment, Terrebonne Township, Red Lake County. Motion carried.

Discussion was held on RLWD Permit No. 20236 David Solo, Moylan Township, Marshall County, for the installation of a culvert in Marshall County Ditch 32, Lateral 1, to allow for access to their property. Administrator Jesme stated that the landowner purchased a used culvert which is undersized for the drainage area. District Staff determined that an additional 54" pipe would be required based on a 4-year ditch design. Approval was received from Marshall County with the addition of the 54" pipe. Motion by Ose, seconded by Tiedemann, to approve RLWD Permit No. 20236, David Solo, Moylan Township, Marshall County, with conditions stated on the permit. Motion carried.

The Board reviewed the permits for approval. Motion by Sorenson, seconded by Tiedemann, to approve the following permits with conditions stated on the permit: No. 20206, Darrell & Danny Payment, Gervais Township, Red Lake County; No. 20251, Luke Kaushagen, Agder Township, Marshall County; No. 20254, Thygeson Construction, North Township, Pennington County; No. 20255 and 20256, Leslie Hofstad, Equality Township, Red Lake County; No. 20257, Kyle Mehrkens, Rocksbury Township, Pennington County; No. 20258 and 20259, Bray Township, Pennington County; No. 20260, Schulz Farm, Euclid Township, Polk County; No. 20261, Anthony Gerardy, Emardville Township, Red Lake County; No. 20262, Wayne Harder, Silverton Township, Pennington County; No. 20263, Roy Quick, River Township, Pennington County; No. 20265, Daniel Aandal, Grand Plain Township, Marshall County; No. 20266, Ray Martell, Gervais Township, Red Lake County; No. 20267, Gene Schmitz, Red Lake Falls Township, Red Lake County; No. 20268, Red Lake Falls Township, Red Lake County; No. 20269, John Palmquist, River Falls Township, Pennington County; No. 20270, Steiger Farms, Inc., Polk Centre Township, Pennington County; No. 20271, John Frahm, Smiley Township, Pennington County; No. 20272, Del Determan, River Falls Township, Pennington County; No. 20273, Donavon Dahl, Rollis Township, Marshall County; No. 20289, Rodney Wold, Reiner Township, Pennington County; and, No. 20291, Dan Bruley, Kertsonville Township, Polk County. Motion carried.

Administrators Update:

- Jesme and Manager Ose participated in the RRWMB meeting. Discussion was held on Black River funding agreement and construction update, USGS cost share of gages throughout the Red River Valley LiDAR, state bonding bill and various other items.

- The Red Lake River 1W1P Planning Workgroup met on October 13th in preparation for the Policy Committee meeting on October 21st.
- The USACOE increased the outflow on the Red Lake Dam from 800 cfs to 1000 cfs. The Highlanding gauge at the time read 6.37 and will likely rise to 7.5-8.0 with the increase of outflow.
- Jesme attended a FEMA DFIRM meeting on October 14th via zoom with the Pennington County Flood Plain Coordinator, Peter Nelson, and various MnDNR staff. The meeting was to discuss how outreach and public meeting planning for the new mapping process, will look like during the COVID restrictions.
- Included in the packet was a June 2020 Water Quality Report.

At 10:05 a.m., Rob Sip, RRWMB, joined the meeting via conference call to update the Board on the state bonding bill, which included \$17 million for the Flood Hazard Mitigation program. Sip informed the Board that the Flood Hazard Mitigation program is going through an overhaul and plan to be more transparent on their ranking of funded projects.

Legal Counsel Sparby stated that the 90-day review period for the JD 5 (Four-Legged Lake), RLWD Project No. 102, is up October 24, 2020. Information will be sent out to the Board members once it is available.

Manager Torgerson stated that a landowner called him that lives Wieme area near Pine Lake, inquiring about restoration of wetlands. Administrator Jesme stated that the US Fish and Wildlife Service had a similar program north of Bagley.

Manager Sorenson asked Tony Nordby if the boundary survey for the Sand Hill River WD along the off-take ditch on MnDOT Hwy 102 had been completed. Nordby will inquire on the status of the survey.

Manager Tiedemann commented on the work completed at the outlet of the Parnell Impoundment, stating that he felt they were going to follow the seepage all the way to the outlet to help protect the township road. Jesme suggested that Tiedemann reach out to Staff member Nick Olson to explain what he felt the repair should look like to assure it gets completed to his satisfaction.

President Nelson inquired if anymore consideration had been given into the Tiedemann Site 2 flood storage site.

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

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for November 10, 2020

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,083.86
online	MN Department of Revenue	Withholding taxes	720.09
online	Public Employees Retirement Assn.	PERA	2,319.45
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	231.80
online	MN Department of Revenue	Withholding taxes	50.00
38498	Burski Excavating, Inc.	Pay estimate #10, RLWD Ditch 16	156,158.78
38499	Pennington SWCD	RL1W1P Policy approved invoices	9,328.84
38500	Red Lake SWCD	RL1W1P Policy approved invoices	2,137.38
38501	West Polk SWCD	RL1W1P Policy approved invoices	12,410.08
38502	RJ Zavoral & Sons, Inc.	Pay estimate #12, TRF Westside FDR	505,748.58
38503	City of Thief River Falls	Electricity, water, sewer, etc.	466.28
38504	East Polk SWCD	Cost share of Landsverk Sediment ponds (Board approved 6/24/19)	7,800.00
38505	Red Lake SWCD	Cost share of Erosion Control Funds (4 sites, per Board 9-24-20)	11,151.00
38506	Sjoberg's Cable TV	Internet expense	106.95
38507	Aramark	Office rug rental	45.39
38508	Tammy Audette	Clean offices in October	320.00
38509	Brad Bjerke	Remove beaver (1) and beaver dam in Proj. 49	275.00
38510	Fleet Supply	Grass seed	99.99
38511	Gordy's Plumbing	Repair leak-bathroom toilet	99.47
38512	HDR, Inc.	*See below for explanation of engineering services	70,495.72
38513	Brent Hemly	Remove 20 beaver from Moose River Impoundment	1,500.00
38514	Hugo's	Meeting supplies	120.54
38515	Harvey Klipping	Remove 64 gophers in Ditch 10 & 11 gophers in Ditch 3	301.00
38516	Les's Sanitation Inc.	Garbage pickup	34.70
38517	Red River Watershed Mgmt. Board	**See below for gage sites and amount	11,532.50
38518	Maple Lake Improvement District	Reimburse for water quality lab analysis samples (RMB Lab.)	729.00
38519	Marco	***See below for explanation	455.79
38520	Matrix Trust Company	Deferred Compensation	955.83
38521	Midwest Amphibious Equip., LLC	Additional expense for Agassiz NWR Silt Removal grant	1,000.00
38522	MN Energy Resources Corp.	Heating expense	20.00
38523	NCPERS	Life insurance premium	112.00
38524	Dale M. Nelson	Mileage	24.15
38525	Northwest Beverage, Inc.	H2O for office	23.50
38526	Northwestern Mutual Financial	Deferred Compensation	461.75
38527	PKM Electric Cooperative, Inc.	Lower 3 phase and single phase power-Ditch 16	571.93
38528	Polk County Highway Dept.	30" fabricated gate for Proj. 43B (Burnham Creek)	561.72
38529	Quill Corporation	Binders,computer paper,postits,reinf. paper,wireless mouse,padded env.	201.43
38530	RMB Environmental Laboratories	Lab analysis of water quality samples	1,083.00
38531	Dennis Salentiny	Remove 6 beaver from Ditch 15	450.00
38532	Gene Tiedemann	Mileage	362.84
38533	True North Steel	18" flapgate and freight for Proj. 119	1,209.00
online	Blue Cross Blue Shield	Health insurance premium	5,661.50
direct	Terry Sorenson	Mileage	86.26
direct	Les Torgerson	Mileage and per diem meals	181.00
	Payroll		
	Check #12082-12093		13,572.66
	Total Checks		<u>\$ 825,260.76</u>

* HDR, Inc.	
Proj. 26 Pine Lake-Plans & design	31,849.50
Proj. 43A Burnham Creek Habitat	4,135.59
Proj. 178 TRF Westside FDR (const.	<u>34,510.63</u>
Total	70,495.72

** Red River Watershed Mgmt. Board	
Lost River @ Oklee	4,590.00
Thief River near Thief River Falls	4,590.00
Red Lake River @ Fisher	<u>2,352.50</u>
Total	11,532.50

*** Marco	
Copier machine maintenance	112.49
Telephone expense	<u>343.30</u>
Total	455.79

Banking

Northern State Bank	
Balance as of October 22, 2020	\$ 843,911.31
Total Checks Written	(825,260.76)
Receipt #989843 State of Minnesota-Market Valu Aid and Prior Year Aid	36,444.13
Receipt #989844 Northern State Bank-Monthly interest	153.44
Receipt #989848 Transfer in from American Federal Bank	<u>500,000.00</u>
Balance as of November 10, 2020	<u><u>\$ 555,248.12</u></u>

Current interest rate is .20%

American Federal Bank-Fosston	
Balance as of October 22, 2020	\$ 1,572,384.56
Receipt #989842 Red Lake County-2020 HUD PILT	207.00
Receipt #989845 American Federal Bank-Monthly interest	1,243.66
Receipt #989846 Loren/Marjean Sanderson-Reimburse for dental and health insurance	761.45
Receipt #989847 Unity Bank-Monthly interest on CD	422.30
Receipt #989848 Transfer to Northern State Bank	<u>(500,000.00)</u>
Balance as of November 10, 2020	<u><u>\$ 1,075,018.97</u></u>

Current interest rate is .65%

2020 GENERAL FUND BUDGET

as of September 30, 2020

(unaudited)

	2020 BUDGET	2020 Exp	(over) under	3rd Qtr Exp.
		TO 9-30-20		
Manager's fees, salaries	33,400.00	20,845.00	12,555.00	25,050.00
Board of Manager's expense	22,000.00	7,920.61	14,079.39	16,500.00
Staff salaries	460,000.00	321,657.31	138,342.69	345,000.00
Payroll taxes	35,190.00	28,181.08	7,008.92	26,392.50
Employee benefits	60,000.00	53,401.92	6,598.08	45,000.00
Travel and meetings(inc. mileage & exp.	5,000.00	880.39	4,119.61	3,750.00
Audit	9,450.00	9,450.00	0.00	7,087.50
Legal	16,000.00	10,404.00	5,596.00	12,000.00
Office supplies	20,000.00	10,094.78	9,905.22	15,000.00
Office equipment	50,000.00	11,637.89	38,362.11	37,500.00
Appraiser/Viewer Expense	2,000.00	782.45	1,217.55	1,500.00
Professional services (inc. Eng. Fees)	20,000.00	17,852.63	2,147.37	15,000.00
Dues and subscriptions	10,000.00	9,993.00	7.00	7,500.00
Insurance and bonds	25,000.00	29,239.00	(4,239.00)	18,750.00
Repairs and maintenance-Building	15,000.00	12,355.30	2,644.70	11,250.00
Utilities	10,000.00	7,287.21	2,712.79	7,500.00
Advertising and publications	4,000.00	9,149.23	(5,149.23)	3,000.00
Telephone	11,000.00	6,288.90	4,711.10	8,250.00
Vehicle expense and maintenance	14,000.00	8,408.97	5,591.03	10,500.00
Engineering supplies	3,000.00	1,046.01	1,953.99	2,250.00
Engineering equipment	18,000.00	13,123.54	4,876.46	13,500.00
Interest	0.00	0.00	0.00	0.00
TOTAL	843,040.00	589,999.22	253,040.78	632,280.00
Less: Overhead	690,000.00	529,781.67	(160,218.33)	517,500.00
Less: Miscellaneous revenue	7,000.00	521.40	(6,478.60)	5,250.00
General Fund Budget	146,040.00	59,696.15	86,343.85	109,530.00

		TO 9-30-20
January 1, 2020 Beg. Balance	151,168.90	151,168.90
County levies revenue	100,000.00	49,999.99
Misc. revenue		0.00
Gross balance with revenue		<u>201,168.89</u>
Less net expenses		<u>(59,696.15)</u>
Subtotal- General Fund w/o interest		<u>141,472.74</u>
Plus interest earned-if allocated to GF 100%		<u>65,410.78</u>
General Fund Balance 9-30-20		<u><u>206,883.52</u></u>

*Advertising & Publications-over for advertising for Engineer and Engineering Tech. (\$6,216.48)
Liability insurance was additional for accounts payable in 2020 (construction)*

2020 GENERAL FUND BUDGET

as of October 31, 2020

(unaudited)

	2020 BUDGET	2020 Exp	(over) under
		TO 10-31-20	
Manager's fees, salaries	33,400.00	22,572.00	10,828.00
Board of Manager's expense	22,000.00	8,817.51	13,182.49
Staff salaries	460,000.00	353,826.80	106,173.20
Payroll taxes	35,190.00	31,336.08	3,853.92
Employee benefits	60,000.00	60,458.72	(458.72) 1
Travel and meetings(inc. mileage & exp.	5,000.00	880.39	4,119.61
Audit	9,450.00	9,450.00	0.00
Legal	16,000.00	10,604.00	5,396.00
Office supplies	20,000.00	11,064.52	8,935.48
Office equipment	50,000.00	11,637.89	38,362.11
Appraiser/Viewer Expense	2,000.00	782.45	1,217.55
Professional services (inc. Eng. Fees)	20,000.00	19,980.05	19.95 2
Dues and subscriptions	10,000.00	9,993.00	7.00
Insurance and bonds	25,000.00	29,239.00	(4,239.00) 3
Repairs and maintenance-Building	15,000.00	13,140.89	1,859.11
Utilities	10,000.00	7,939.29	2,060.71
Advertising and publications	4,000.00	9,149.23	(5,149.23) 4
Telephone	11,000.00	6,804.62	4,195.38
Vehicle expense and maintenance	14,000.00	9,668.02	4,331.98
Engineering supplies	3,000.00	1,125.53	1,874.47
Engineering equipment	18,000.00	12,434.37	5,565.63
Interest	0.00	0.00	0.00
TOTAL	843,040.00	640,904.36	202,135.64
Less: Overhead	690,000.00	590,798.17	(99,201.83)
Less: Miscellaneous revenue	7,000.00	521.40	(6,478.60)
General Fund Budget	146,040.00	49,584.79	96,455.21

		TO 10-31-20
January 1, 2020 Beg. Balance	151,168.90	151,168.90
County levies revenue	100,000.00	49,999.99
Misc. revenue		0.00
Gross balance with revenue		<u>201,168.89</u>
Less net expenses		<u>(49,584.79)</u>
Subtotal- General Fund w/o interest		151,584.10
Plus interest earned-if allocated to GF 100%		<u>67,219.25</u>
General Fund Balance 10-31-20		<u><u>218,803.35</u></u>

1 Additional staff added = additional benefits paid

2 Miraki support for 3 years (2,127) and Trimble training (\$1,800)

3. Liability insurance was additional for accounts payable in 2020 (construction)

4 Advertising & Publications-over for advertising for Engineer and Engineering Tech. (\$6,216.48)



Contractor's Application and Certificate for Payment Summary

To (Owner): Red Lake Watershed District	From (Contractor): R.J. Zavoral & Sons, Inc.	Via (Engineer): Nathan P. Dalager
Owner's Project No.: 178	Contractor's Project No.:	Engineer's Project No.: 10134290
For (Contract): Thief River Falls Westside Flood Damage Reduction Project	Application No.: 13	Application Period: 10/15/2020 - 10/29/2020

**Application for Payment
Change Order Summary**

Change Orders Approved by Owner:			
Number	Date Approved	Additions	Deductions
1	5/5/2020	\$ 173,944.09	\$ -
2	5/14/2020	\$ -	\$ 27,577.00
3	5/28/2020	\$ 12,204.00	\$ -
4	6/8/2020	\$ 15,594.00	\$ -
5		\$ 30,000.00	\$ -
6		\$ -	\$ -
7		\$ -	\$ -
TOTALS		\$ 231,742.09	\$ 27,577.00
NET CHANGE BY CHANGE ORDERS		\$	204,165.09

1. ORIGINAL CONTRACT PRICE	\$ 6,632,761.68
2. NET CHANGE BY CHANGE ORDERS	\$ 204,165.09
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$ 6,836,926.77
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)	\$ 6,528,604.08
5. RETAINAGE: 5% of Completed Work and Stored Material	\$ 327,809.05
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5)	\$ 6,200,795.03
7. LESS PREVIOUS PAYMENTS	\$ 6,068,059.29
8. AMOUNT DUE THIS APPLICATION	\$ 132,735.76
9. BALANCE TO FINISH	\$ 308,322.69
10. PERCENT COMPLETE	95.49%

Contractor's Certification

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor:

By:	Date:
-----	-------

Payment of:
\$ 132,735.76 is recommended.

HDR Engineering, Inc.

By: *Nathan P. Dalager*

Date: 11/9/2020

Red Lake Watershed District

By:

Date:



Contractor's Application and Certificate for Payment Summary

To (Owner): Red Lake Watershed District	From (Contractor): R.J. Zavoral & Sons, Inc.	Via (Engineer): Nathan P. Dalager
Owner's Project No.: 178	Contractor's Project No.:	Engineer's Project No.: 10134290
For (Contract): Thief River Falls Westside Flood Damage Reduction Project	Application No.: 13	Application Period: 10/15/2020 - 10/29/2020

Summary of Previous Payments

Application No.	Application Period	Payment Amount
1	4/20/2020 - 5/7/2020	\$ 191,120.05
2	5/7/2020 - 5/21/2020	\$ 199,068.23
3	5/21/2020-6/4/2020	\$ 356,473.89
4	6/4/2020-6/18/2020	\$ 450,116.08
5	6/18/2020-7/2/2020	\$ 396,399.85
6	7/2/2020-7/16/2020	\$ 835,837.55
7	7/16/2020-8/6/2020	\$ 1,145,236.50
8	8/6/2020-8/20/2020	\$ 335,826.90

Application No.	Application Period	Payment Amount
9	8/20/2020-9/3/2020	\$ 328,127.82
10	9/3/2020-9/17/2020	\$ 255,969.62
11	9/17/2020-10/1/2020	\$ 1,068,134.22
12	10/1/2020-10/15/2020	\$ 505,748.58



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project					Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		13					Application Period:		10/15/2020 - 10/29/2020					
A			B			C		D	E	F	G	H	I	J
Item			Work Completed											
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period	Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)	
2021.501	MOBILIZATION	LUMP SUM	1	\$259,500.00	\$259,500.00	1.00	0.00	0.0	1	100.00%	\$0.00	\$259,500.00	0.00	
2101.501	CLEARING AND GRUBBING	LUMP SUM	1	\$27,725.00	\$27,725.00	1.0	0.0	0.0	1	100.00%	\$0.00	\$27,725.00	0.0	
2104.503	REMOVE 24" CS PIPE CULVERT	LIN FT	68	\$10.00	\$680.00	61.0	7.0	0.0	68	100.00%	\$70.00	\$680.00	0.0	
2104.503	REMOVE 115" x 72" RC ARCH PIPE	LIN FT	92	\$19.00	\$1,748.00	92.0	0.0	0.0	92	100.00%	\$0.00	\$1,748.00	0.0	
2104.503	REMOVE 138" x 88" RC ARCH PIPE	LIN FT	74	\$20.00	\$1,480.00	74.0	0.0	0.0	74	100.00%	\$0.00	\$1,480.00	0.0	
2104.503	REMOVE 154" x 97" RC ARCH PIPE	LIN FT	80	\$23.00	\$1,840.00	80.0	0.0	0.0	80	100.00%	\$0.00	\$1,840.00	0.0	
2104.503	SALVAGE 60" RC ARCH PIPE	LIN FT	150	\$24.50	\$3,675.00	150.0	0.0	0.0	150	100.00%	\$0.00	\$3,675.00	0.0	
2104.502	SALVAGE SIGN TYPE A	EACH	14	\$200.00	\$2,800.00	12.0	0.0	0.0	12	85.71%	\$0.00	\$2,400.00	2.0	
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	832	\$2.50	\$2,080.00	248.0	584.0	0.0	832	100.00%	\$1,460.00	\$2,080.00	0.0	
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	2946	\$8.65	\$25,482.90	4262.0	0.0	0.0	4262	144.67%	\$0.00	\$36,866.30	-1316.0	
2105.607	SPOIL HAULING (P)	CU YD	35480	\$7.95	\$282,066.00	35,333.0	147.0	0.0	35,480.00	100.00%	\$1,168.65	\$282,066.00	0.0	
2105.504	GEOTEXTILE FABRIC TYPE 5	SQ YD	9876	\$1.55	\$15,307.80	9876.0	0.0	0.0	9876	100.00%	\$0.00	\$15,307.80	0.0	
2105.507	COMMON EXCAVATION (P)	CU YD	595137	\$2.68	\$1,594,967.16	590,137.0	5,000.0	0.0	595,137.00	100.00%	\$13,400.00	\$1,594,967.16	0.0	
2105.507	COMMON BORROW (CV)	CU YD	10035	\$6.80	\$68,238.00	10035.0	0.0	0.0	10035	100.00%	\$0.00	\$68,238.00	0.0	
2118.509	AGGREGATE SURFACING, CLASS 1	TON	90	\$17.80	\$1,602.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	90.0	
2118.509	AGGREGATE SURFACING, CLASS 5	TON	2151	\$11.00	\$23,661.00	225.0	2460.0	0.0	2685	124.83%	\$27,060.00	\$29,535.00	-534.0	
2211.509	AGGREGATE BASE, CLASS 3	TON	929	\$10.00	\$9,290.00	720.0	226.0	0.0	946	101.83%	\$2,260.00	\$9,460.00	-17.0	
2211.509	AGGREGATE BASE, CLASS 5	TON	1137	\$11.00	\$12,507.00	973.0	164.0	0.0	1137	100.00%	\$1,804.00	\$12,507.00	0.0	
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	TON	367	\$90.00	\$33,030.00	367.0	0.0	0.0	367	100.00%	\$0.00	\$33,030.00	0.0	
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	175	\$90.00	\$15,750.00	80.0	95.0	0.0	175	100.00%	\$8,550.00	\$15,750.00	0.0	
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)	TON	409	\$100.00	\$40,900.00	409.0	0.0	0.0	409	100.00%	\$0.00	\$40,900.00	0.0	
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	21	\$2,000.00	\$42,000.00	30.8	0.0	0.0	30.75	146.43%	\$0.00	\$61,500.00	-9.8	
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	10270	\$2.15	\$22,080.50	10270.0	0.0	0.0	10270	100.00%	\$0.00	\$22,080.50	0.0	
2412.502	10X8 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$16,255.00	\$32,510.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$32,510.00	0.0	
2412.502	12X8 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$17,600.00	\$35,200.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$35,200.00	0.0	
2412.502	12X10 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	1	\$27,365.00	\$27,365.00	1.0	0.0	0.0	1	100.00%	\$0.00	\$27,365.00	0.0	
2412.503	10X8 PRECAST CONCRETE BOX CULVERT	LIN FT	84	\$1,075.00	\$90,300.00	84.0	0.0	0.0	84	100.00%	\$0.00	\$90,300.00	0.0	
2412.503	12X8 PRECAST CONCRETE BOX CULVERT	LIN FT	102	\$1,125.00	\$114,750.00	102.0	0.0	0.0	102	100.00%	\$0.00	\$114,750.00	0.0	
2412.503	12X10 PRECAST CONCRETE BOX CULVERT	LIN FT	120	\$1,335.00	\$160,200.00	120.0	0.0	0.0	120	100.00%	\$0.00	\$160,200.00	0.0	
2442.501	REMOVE EXISTING BRIDGE	LUMP SUM	2	\$5,700.00	\$11,400.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$11,400.00	0.0	
2451.507	GRANULAR BEDDING (CV)	CU YD	5084	\$11.15	\$56,686.60	4369.0	1,688.0	0.0	6057	119.14%	\$18,821.20	\$67,535.55	-973.0	
2461	FLOWABLE FILL CONCRETE	CU YD	211	\$140.00	\$29,540.00	220.0	0.0	0.0	220	104.27%	\$0.00	\$30,800.00	-9.0	
2501.502	24" CAS PIPE APRON	EACH	3	\$375.00	\$1,125.00	2.0	0.0	0.0	2	66.67%	\$0.00	\$750.00	1.0	
2501.502	30" CAS PIPE APRON	EACH	2	\$598.00	\$1,196.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2501.502	36" CAS PIPE APRON	EACH	4	\$930.00	\$3,720.00	4.0	0.0	0.0	4	100.00%	\$0.00	\$3,720.00	0.0	
2501.502	18" CS PIPE APRON	EACH	18	\$170.00	\$3,060.00	17.0	0.0	0.0	17	94.44%	\$0.00	\$2,890.00	1.0	
2501.502	24" CS PIPE APRON	EACH	6	\$230.00	\$1,380.00	5.0	0.0	0.0	5	83.33%	\$0.00	\$1,150.00	1.0	



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project					Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		13					Application Period:		10/15/2020 - 10/29/2020					
A			B			C		D	E	F	G	H	I	J
Item			Work Completed		Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)				
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period							
2501.502	36" CS PIPE APRON	EACH	1	\$525.00	\$525.00	1.0	0.0	0.0	1	100.00%	\$0.00	\$525.00	0.0	
2501.502	48" CS PIPE APRON	EACH	8	\$1,100.00	\$8,800.00	8.0	0.0	0.0	8	100.00%	\$0.00	\$8,800.00	0.0	
2501.502	FLAP GATE FOR 18"CS PIPE	EACH	16	\$685.00	\$10,960.00	14.0	0.0	0.0	14	87.50%	\$0.00	\$9,590.00	2.0	
2501.502	FLAP GATE FOR 24"CS PIPE	EACH	3	\$760.00	\$2,280.00	1.0	0.0	0.0	1	33.33%	\$0.00	\$760.00	2.0	
2501.503	24" CAS PIPE CULVERT	LIN FT	222	\$40.00	\$8,880.00	136.0	0.0	0.0	136	61.26%	\$0.00	\$5,440.00	86.0	
2501.503	30" CAS PIPE CULVERT	LIN FT	68	\$55.00	\$3,740.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	68.0	
2501.503	36" CAS PIPE CULVERT	LIN FT	143	\$65.00	\$9,295.00	143.0	0.0	0.0	143	100.00%	\$0.00	\$9,295.00	0.0	
2501.503	15" CS PIPE CULVERT	LIN FT	20	\$32.00	\$640.00	20.0	0.0	0.0	20	100.00%	\$0.00	\$640.00	0.0	
2501.503	18" CS PIPE CULVERT	LIN FT	1054	\$33.00	\$34,782.00	964.0	0.0	0.0	964	91.46%	\$0.00	\$31,812.00	90.0	
2501.503	24" CS PIPE CULVERT	LIN FT	262	\$40.00	\$10,480.00	218.0	0.0	0.0	218	83.21%	\$0.00	\$8,720.00	44.0	
2501.503	48" CS PIPE CULVERT	LIN FT	271	\$105.00	\$28,455.00	271.0	0.0	0.0	271	100.00%	\$0.00	\$28,455.00	0.0	
2501.503	84" CS PIPE CULVERT (BEVEL CUT ENDS)	LIN FT	636	\$187.00	\$118,932.00	636.0	0.0	0.0	636	100.00%	\$0.00	\$118,932.00	0.0	
2501.503	102" SPAN CS PIPE ARCH CULVERT (BEVEL CUT ENDS)	LIN FT	67	\$220.00	\$14,740.00	67.0	0.0	0.0	67	100.00%	\$0.00	\$14,740.00	0.0	
2501.503	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	169	\$678.00	\$114,582.00	169.0	0.0	0.0	169	100.00%	\$0.00	\$114,582.00	0.0	
2501.503	30" STEEL CASING PIPE	LIN FT	106	\$772.00	\$81,832.00	106.0	0.0	0.0	106	100.00%	\$0.00	\$81,832.00	0.0	
2501.503	36" STEEL CASING PIPE	LIN FT	59	\$177.00	\$10,443.00	59.0	0.0	0.0	59	100.00%	\$0.00	\$10,443.00	0.0	
2501.503	54" STEEL CASING PIPE - JACK INSTALLED	LIN FT	168	\$1,500.00	\$252,000.00	168.0	0.0	0.0	168	100.00%	\$0.00	\$252,000.00	0.0	
2501.515	18" RC PIPE APRON	EACH	3	\$540.00	\$1,620.00	2.0	0.0	0.0	2	66.67%	\$0.00	\$1,080.00	1.0	
2501.515	24" RC PIPE APRON	EACH	8	\$630.00	\$5,040.00	7.0	0.0	0.0	7	87.50%	\$0.00	\$4,410.00	1.0	
2501.515	36" RC PIPE APRON	EACH	3	\$1,160.00	\$3,480.00	3.0	0.0	0.0	3	100.00%	\$0.00	\$3,480.00	0.0	
2503.503	36" CS PIPE SEWER	LIN FT	738	\$67.00	\$49,446.00	738.0	0.0	0.0	738	100.00%	\$0.00	\$49,446.00	0.0	
2503.503	12" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	23	\$50.00	\$1,150.00	23.0	0.0	0.0	23	100.00%	\$0.00	\$1,150.00	0.0	
2503.503	15" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	19	\$55.00	\$1,045.00	19.0	0.0	0.0	19	100.00%	\$0.00	\$1,045.00	0.0	
2503.503	18" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	164	\$58.00	\$9,512.00	156.0	8.0	0.0	164	100.00%	\$464.00	\$9,512.00	0.0	
2503.503	24" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	1020	\$56.00	\$57,120.00	1012.0	8.0	0.0	1020	100.00%	\$448.00	\$57,120.00	0.0	
2503.503	36" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	823	\$106.00	\$87,238.00	823.0	0.0	0.0	823	100.00%	\$0.00	\$87,238.00	0.0	
2503.503	48" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	2036	\$167.00	\$340,012.00	2036.0	0.0	0.0	2036	100.00%	\$0.00	\$340,012.00	0.0	
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	2284	\$212.00	\$484,208.00	2284.0	0.0	0.0	2284	100.00%	\$0.00	\$484,208.00	0.0	
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS IV	LIN FT	108	\$238.00	\$25,704.00	108.0	0.0	0.0	108	100.00%	\$0.00	\$25,704.00	0.0	
2503.503	60" RC PIPE CULVERT DESIGN 3006, CLASS III	LIN FT	16	\$248.00	\$3,968.00	16.0	0.0	0.0	16	100.00%	\$0.00	\$3,968.00	0.0	
2503.602	CONNECT TO EXISTING FORCE MAIN	EACH	2	\$1,800.00	\$3,600.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$3,600.00	0.0	
2506.502	CONSTRUCT DRAINAGE STRUCTURE 36" CS PIPE RISER	EACH	2	\$1,100.00	\$2,200.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$2,200.00	0.0	
2506.502	CONSTRUCT 4X4 DRAINAGE STRUCTURE, PRECAST	EACH	3	\$7,475.00	\$22,425.00	3.0	0.0	0.0	3	100.00%	\$0.00	\$22,425.00	0.0	
2506.502	CONSTRUCT 6X6 DRAINAGE STRUCTURE, PRECAST	EACH	10	\$11,085.00	\$110,850.00	10.0	0.0	0.0	10	100.00%	\$0.00	\$110,850.00	0.0	
2506.502	CONSTRUCT 8X6 DRAINAGE STRUCTURE, PRECAST	EACH	10	\$14,815.00	\$148,150.00	10.0	0.0	0.0	10	100.00%	\$0.00	\$148,150.00	0.0	
2506.502	CONSTRUCT 8X8 DRAINAGE STRUCTURE, PRECAST	EACH	2	\$14,400.00	\$28,800.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$28,800.00	0.0	
2506.502	CONSTRUCT 10X6 DRAINAGE STRUCTURE, PRECAST	EACH	1	\$15,915.00	\$15,915.00	1.0	0.0	0.0	1	100.00%	\$0.00	\$15,915.00	0.0	



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Application No.:		13				Application Period:		10/15/2020 - 10/29/2020											
A		B		C		D		E		F		G		H		I		J	
Item				Work Completed				Materials Presently Stored (not in C or D)		Total Completed and Stored To Date (C+D+E)		Percent Complete To Date (%)		Total Cost This Period		Total Cost Complete to Date		Balance to Finish (A - F)	
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period												
2506.502	CONSTRUCT 10X8 DRAINAGE STRUCTURE, PRECAST	EACH	1	\$34,850.00	\$34,850.00	1.0	0.0	0.0		1	100.00%	\$0.00	\$34,850.00	0.0					
2506.502	CASTING ASSEMBLY - BEEHIVE GRATE AND FRAME	EACH	3	\$1,250.00	\$3,750.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	3.0					
2506.502	CASTING ASSEMBLY - COVER AND FRAME	EACH	3	\$780.00	\$2,340.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	3.0					
2511.507	RANDOM RIPRAP - SPECIAL (CLASS 3)	CU YD	1044	\$105.00	\$109,620.00	871.0	93.0	0.0		964	92.34%	\$9,765.00	\$101,220.00	80.0					
2511.507	RANDOM RIPRAP - SPECIAL (CLASS 4)	CU YD	362	\$105.00	\$38,010.00	394.0	0.0	0.0		394	108.84%	\$0.00	\$41,370.00	-32.0					
2511.507	RANDOM RIPRAP - SPECIAL (D50 = 18")	CU YD	1450	\$105.00	\$152,250.00	1285.8	123.2	0.0		1409	97.17%	\$12,936.00	\$147,945.00	41.0					
2511.507	RANDOM RIPRAP (CLASS 2)	CU YD	225	\$85.00	\$19,125.00	120.0	0.0	0.0		120	53.33%	\$0.00	\$10,200.00	105.0					
2511.507	RANDOM RIPRAP (CLASS 3)	CU YD	2057	\$85.00	\$174,845.00	1581.0	0.0	0.0		1581	76.86%	\$0.00	\$134,385.00	476.0					
2511.507	RANDOM RIPRAP (CLASS 4)	CU YD	1063	\$85.00	\$90,355.00	1063.0	0.0	0.0		1063	100.00%	\$0.00	\$90,355.00	0.0					
2511.509	GRANULAR FILTER MATERIAL	TON	354	\$85.00	\$30,090.00	364.0	0.0	0.0		364	102.82%	\$0.00	\$30,940.00	-10.0					
2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	110	\$54.00	\$5,940.00	0.0	110.0	0.0		110	100.00%	\$5,940.00	\$5,940.00	0.0					
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$25,000.00	\$25,000.00	0.95	0.05	0.00		1.00	100.00%	\$1,250.00	\$25,000.00	0.00					
2563.601	DETOUR SIGNING	LUMP SUM	1	\$13,550.00	\$13,550.00	1.0	0.0	0.0		1	100.00%	\$0.00	\$13,550.00	0.0					
2563.602	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6	\$2,600.00	\$15,600.00	6.0	0.0	0.0		6	100.00%	\$0.00	\$15,600.00	0.0					
2573.502	STORM DRAIN INLET PROTECTION	EACH	4	\$125.00	\$500.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	4.0					
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	782	\$5.50	\$4,301.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	782.0					
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	160	\$17.00	\$2,720.00	100.0	0.0	0.0		100	62.50%	\$0.00	\$1,700.00	60.0					
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	2546	\$3.00	\$7,638.00	337.0	0.0	0.0		337	13.24%	\$0.00	\$1,011.00	2209.0					
2574.505	SOIL BED PREPARATION	ACRE	10.8	\$200.00	\$2,160.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	10.8					
2574.508	FERTILIZER, TYPE 1	POUND	18800	\$0.50	\$9,400.00	2800.0	0.0	0.0		2,800.00	14.89%	\$0.00	\$1,400.00	16000.0					
2574.508	FERTILIZER, TYPE 3	POUND	220	\$0.50	\$110.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	220.0					
2575.504	TURF REINFORCEMENT MAT, CATEGORY 4	SQ YD	3200	\$16.00	\$51,200.00	3200.0	0.0	0.0		3200	100.00%	\$0.00	\$51,200.00	0.0					
2575.505	SEEDING	ACRE	75.1	\$300.00	\$22,530.00	14.0	0.0	0.0		14	18.64%	\$0.00	\$4,200.00	61.1					
2575.505	DISK ANCHORING	ACRE	75.1	\$20.00	\$1,502.00	14.0	0.0	0.0		14	18.64%	\$0.00	\$280.00	61.1					
2575.508	SEED MIXTURE, 25-131	POUND	2332	\$4.00	\$9,328.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	2332.0					
2575.508	SEED MIXTURE, 25-141	POUND	4388	\$4.00	\$17,552.00	826.0	0.0	0.0		826	18.82%	\$0.00	\$3,304.00	3562.0					
2575.508	HYDRAULIC MULCH MATRIX	POUND	22260	\$0.85	\$18,921.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	22260.0					
2575.509	MULCH MATERIAL TYPE 1	TON	150.2	\$80.00	\$12,016.00	28.0	0.0	0.0		28	18.64%	\$0.00	\$2,240.00	122.2					
2575.523	WATER	M GAL	223	\$50.00	\$11,150.00	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	223.0					
2575.604	ROLLED EROSION CONTROL PREVENTION CATEGORY 25	SQ YD	5778	\$1.69	\$9,764.82	0.0	0.0	0.0		0	0.00%	\$0.00	\$0.00	5778.0					
2582.503	6" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	1156	\$3.20	\$3,699.20	369.0	0.0	0.0		369	31.92%	\$0.00	\$1,180.80	787.0					
2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	265	\$2.00	\$530.00	191.0	0.0	0.0		191	72.08%	\$0.00	\$382.00	74.0					
2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	116.0	\$2.00	\$232.00	40.0	0.0	0.0		40	34.48%	\$0.00	\$80.00	76.0					
2722.549	8" PVC SDR-26 FORCE MAIN	LIN FT	2408	\$28.00	\$67,424.00	2,408.0	0.0	0.0		2,408.00	100.00%	\$0.00	\$67,424.00	0.0					
2722.549	8" FORCE MAIN DIRECTIONAL BORE (FUSIBLE PVC C900)	LIN FT	344	\$100.00	\$34,400.00	344.0	0.0	0.0		344	100.00%	\$0.00	\$34,400.00	0.0					
2722.549	20" PVC FORCE MAIN	LIN FT	2437	\$74.00	\$180,338.00	2437.0	0.0	0.0		2437	100.00%	\$0.00	\$180,338.00	0.0					
2722.554	DUCTILE IRON FITTINGS (8" & 20")	POUND	2623	\$6.50	\$17,049.50	2623.0	0.0	0.0		2,623.00	100.00%	\$0.00	\$17,049.50	0.0					
2722.563	AIR RELEASE MANHOLE	EACH	1	\$15,250.00	\$15,250.00	0.8	0.2	0.0		1	100.00%	\$3,050.00	\$15,250.00	0.0					



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project				Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		13				Application Period:		10/15/2020 - 10/29/2020					
A			B		C	D	E	F	G	H	I	J	
Item					Work Completed		Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)	
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications							This Period
CO-1	SALES TAX REIMBURSEMENT	LS	1	\$173,944.09	\$173,944.09	0.14	0.00	0.0	0.14	14.00%	\$0.00	\$24,352.17	0.86
CO-2	STORM SEWER MANHOLE VALUE ENGINEERING	LS	1	(\$27,577.00)	(\$27,577.00)	1.0	0.0	0.0	1	100.00%	\$0.00	(\$27,577.00)	0.00
CO-3	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	18	\$678.00	\$12,204.00	18.0	0.0	0.0	18	100.00%	\$0.00	\$12,204.00	0.00
CO-4	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	23	\$678.00	\$15,594.00	23.0	0.0	0.0	23	100.00%	\$0.00	\$15,594.00	0.00
CO-5	SPOIL HAULING	LS	1	\$30,000.00	\$30,000.00	0.0	1.0	0.0	1	100.00%	\$30,000.00	\$30,000.00	0.0
SUBTOTAL OF TRF WESTSIDE FDR PORJECT BID ITEMS						\$6,384,732.48					\$138,446.85	\$6,286,152.78	



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project - MnDOT Trunk Highway No. 1 (SP 5701-33)					Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		13					Application Period:		10/15/2020 - 10/29/2020					
A			B		C		D	E		F	G	H	I	J
Item					Work Completed				Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period							
2021.501	MOBILIZATION	LUMP SUM	1	\$25,000.00	\$25,000.00	1.0	0	0.0	1	100.00%	\$0.00	\$25,000.00	0.0	
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	112	\$2.50	\$280.00	112.0	0	0.0	112	100.00%	\$0.00	\$280.00	0.0	
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	706	\$9.00	\$6,354.00	706.0	0	0.0	706	100.00%	\$0.00	\$6,354.00	0.0	
2105.504	GEOTEXTILE FABRIC TYPE 5	SQ YD	826	\$1.55	\$1,280.30	826.0	0	0.0	826	100.00%	\$0.00	\$1,280.30	0.0	
2118.509	AGGREGATE SURFACING CLASS 1	TON	75	\$18.00	\$1,350.00	75.0	0	0.0	75	100.00%	\$0.00	\$1,350.00	0.0	
2211.509	AGGREGATE BASE, CLASS 5	TON	236	\$11.00	\$2,596.00	236.0	0	0.0	236	100.00%	\$0.00	\$2,596.00	0.0	
2232.603	MILLED RUMBLE STRIPS - INTERMITTENT	LIN FT	454	\$5.50	\$2,497.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	454.0	
2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	308	\$100.00	\$30,800.00	308.0	0	0.0	308	100.00%	\$0.00	\$30,800.00	0.0	
2412.502	12X6 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$12,950.00	\$25,900.00	2.0	0	0.0	2	100.00%	\$0.00	\$25,900.00	0.0	
2412.503	12X6 PRECAST CONCRETE BOX CULVERT	LIN FT	98	\$1,070.00	\$104,860.00	98.0	0	0.0	98	100.00%	\$0.00	\$104,860.00	0.0	
2451.507	FINE AGGREGATE BEDDING (CV)	CU YD	368	\$15.00	\$5,520.00	368.0	85	0.0	453	123.10%	\$1,275.00	\$6,795.00	-85.0	
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	220	\$2.15	\$473.00	220.0	0	0.0	220	100.00%	\$0.00	\$473.00	0.0	
2511.607	RANDOM RIPRAP - SPECIAL	CU YD	85	\$105.00	\$8,925.00	85.0	0	0.0	85	100.00%	\$0.00	\$8,925.00	0.0	
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$11,500.00	\$11,500.00	1.0	0	0.0	1	100.00%	\$0.00	\$11,500.00	0.0	
2563.601	DETOUR SIGNING	LUMP SUM	1	\$7,000.00	\$7,000.00	1.0	0	0.0	1	100.00%	\$0.00	\$7,000.00	0.0	
2563.602	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	\$3,900.00	\$7,800.00	2.0	0	0.0	2	100.00%	\$0.00	\$7,800.00	0.0	
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	262	\$6.00	\$1,572.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	262.0	
2574.508	FERTILIZER TYPE 3	POUND	50	\$0.50	\$25.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	50.0	
2575.505	SEEDING	ACRE	0.3	\$500.00	\$150.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.3	
2575.505	DISK ANCHORING	ACRE	0.3	\$50.00	\$15.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.3	
2575.508	SEED MIXTURE, 25-141	POUND	15	\$5.00	\$75.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	15.0	
2575.509	MULCH MATERIAL TYPE 1	TON	0.5	\$200.00	\$100.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.5	
2575.604	ROLLED EROSION CONTROL PREVENTION CATEGORY 25	SQ YD	1392	\$1.75	\$2,436.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	1392.0	
2582.503	6" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	454	\$3.20	\$1,452.80	475.0	0	0.0	475	104.63%	\$0.00	\$1,520.00	-21.0	
2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	227	\$0.30	\$68.10	60.0	0	0.0	60	26.43%	\$0.00	\$18.00	167.0	
CO-1	SALES TAX REIMBURSEMENT	LS	1	\$173,944.09	\$173,944.09	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.00	
SUBTOTAL OF SP 5701-33 (TH 1) BID ITEMS						\$248,029.20					\$1,275.00	\$242,451.30		

PARTIAL PAYMENT ESTIMATE

Client Project No.
176

HEI Project No.
3655-0091

PAYMENT NUMBER: 1

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

PERIOD OF ESTIMATE:
FROM **10/23/2020** TO **11/9/2020**

CONTRACT CHANGE ORDER SUMMARY				ESTIMATE	
Change Order		AMOUNT			
NO.	DATE	ADDITIONS	DEDUCTIONS		
				1. Original Contract	\$ 4,374,457.66
				2. Change Orders	\$ -
				3. Revised Contract (1+2)	\$ 4,374,457.66
				4. Work Completed*	\$ 552,958.50
				5. Stored Materials*	\$ -
				6. Adjustments*	\$ -
				7. Subtotal (4+5+6)	\$ 552,958.50
				8. Retainage 5.00%	\$ 27,647.93
				9. Previous Payments	\$ -
				10. Amount Due (7-8-9)	\$ 525,310.58
TOTALS		\$ -	\$ -	*Detailed Breakdown Attached if Non-Zero Value	
NET CHANGE		\$ -	\$ -		

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: 11/09/2020

OWNER'S APPROVAL:

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

ENGINEER'S RECOMMENDATION:

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



Engineer: _____
 By: *[Signature]*
 Date: 11/09/2020
 Tony A. Nordby

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 #:	1
SUBMITTED:	11/12/2020
BEGIN DATE:	10/23/2020
END DATE:	11/9/2020

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	0.5	\$ 50,000.00		\$ -	0.5	\$ 50,000.00
2101.501	CLEARING AND GRUBBING	Lump Sum	1	\$ 30,000.00	\$ 30,000.00		\$ -		\$ -		\$ -
2104.502	SALVAGE SIGN	Each	7	\$ 225.00	\$ 1,575.00		\$ -		\$ -		\$ -
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	Lin. Ft.	496	\$ 2.25	\$ 1,116.00		\$ -		\$ -		\$ -
2104.503	REMOVE PIPE CULVERTS	Lin. Ft.	1,445	\$ 10.00	\$ 14,450.00		\$ -		\$ -		\$ -
2104.503	SALVAGE AND INSTALL PIPE CULVERT	Lin. Ft.	110	\$ 95.00	\$ 10,450.00		\$ -		\$ -		\$ -
2104.504	REMOVE BITUMINOUS PAVEMENT	SY	1,304	\$ 7.80	\$ 10,171.20		\$ -		\$ -		\$ -
2105.507	COMMON EXCAVATION (P)	C.Y.	286,438	\$ 1.78	\$ 509,859.64		\$ -		\$ -		\$ -
2105.601	DEWATERING	Lump Sum	1	\$ 14,905.00	\$ 14,905.00		\$ -		\$ -		\$ -
2105.602	TEST HOLE	Each	10	\$ 265.00	\$ 2,650.00	10.	\$ 2,650.00		\$ -	10.	\$ 2,650.00
2105.607	TOPSOIL EXCAVATION (P)	C.Y.	211,673	\$ 1.75	\$ 370,427.75	50,660.	\$ 88,655.00		\$ -	50,660.	\$ 88,655.00
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	557,799	\$ 2.63	\$ 1,467,011.37	131,850.	\$ 346,765.50		\$ -	131,850.	\$ 346,765.50
2112.601	SUBGRADE PREPARATION (CV) (P)	C.Y.	61,542	\$ 2.00	\$ 123,084.00	32,423.	\$ 64,846.00		\$ -	32,423.	\$ 64,846.00
2118.509	AGGREGATE SURFACING CLASS 1	Ton	249	\$ 15.00	\$ 3,735.00		\$ -		\$ -		\$ -
2123.510	DOZER	Hour	46	\$ 145.00	\$ 6,670.00		\$ -		\$ -		\$ -
2123.610	CRAWLER MOUNTED BACKHOE	Hour	14	\$ 175.00	\$ 2,450.00		\$ -		\$ -		\$ -
2211.509	AGGREGATE BASE CLASS 5	Ton	1,602	\$ 14.25	\$ 22,828.50		\$ -		\$ -		\$ -
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	Ton	330	\$ 105.00	\$ 34,650.00		\$ -		\$ -		\$ -
2411.601	CONCRETE OUTLET STRUCTURE	Each	1	\$ 195,000.00	\$ 195,000.00		\$ -		\$ -		\$ -
2411.607	CONCRETE PIPE CRADLE	C.Y.	43	\$ 1,230.00	\$ 52,890.00		\$ -		\$ -		\$ -
2412.502	12X5 PRECAST CONCRETE END SECTION	Each	2	\$ 8,070.00	\$ 16,140.00		\$ -		\$ -		\$ -
2412.502	14X7 PRECAST CONCRETE END SECTION (TYPE III)	Each	2	\$ 17,615.00	\$ 35,230.00		\$ -		\$ -		\$ -
2412.503	12X5 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	62	\$ 950.00	\$ 58,900.00		\$ -		\$ -		\$ -
2412.503	14X7 PRECAST CONCRETE BOX CULVERT	Lin. Ft.	90	\$ 1,130.00	\$ 101,700.00		\$ -		\$ -		\$ -
2451.507	GRANULAR BACKFILL (CV) (P)	C.Y.	727	\$ 21.50	\$ 15,630.50		\$ -		\$ -		\$ -
2451.507	GRANULAR BEDDING (CV) (P)	C.Y.	1,573	\$ 21.50	\$ 33,819.50		\$ -		\$ -		\$ -
2452.618	VINYL SHEET PILING	SQ. FT.	8,250	\$ 9.50	\$ 78,375.00		\$ -		\$ -		\$ -
2501.502	18" GS APRON	Each	4	\$ 150.00	\$ 600.00		\$ -		\$ -		\$ -
2501.502	24" GS APRON	Each	2	\$ 200.00	\$ 400.00		\$ -		\$ -		\$ -
2501.502	36" GS APRON	Each	2	\$ 430.00	\$ 860.00		\$ -		\$ -		\$ -
2501.502	60" RC PIPE APRON	Each	2	\$ 2,300.00	\$ 4,600.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 18" CS PIPE CULVERT	Each	33	\$ 615.00	\$ 20,295.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 24" CS PIPE CULVERT	Each	6	\$ 680.00	\$ 4,080.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 36" CS PIPE CULVERT	Each	1	\$ 1,000.00	\$ 1,000.00		\$ -		\$ -		\$ -
2501.502	35" SPAN GS PIPE-ARCH APRON	Each	6	\$ 355.00	\$ 2,130.00		\$ -		\$ -		\$ -
2501.502	42" SPAN GS PIPE-ARCH APRON	Each	8	\$ 470.00	\$ 3,760.00		\$ -		\$ -		\$ -
2501.502	57" SPAN GS PIPE-ARCH APRON	Each	4	\$ 965.00	\$ 3,860.00		\$ -		\$ -		\$ -
2501.502	64" SPAN GS PIPE-ARCH APRON	Each	6	\$ 1,170.00	\$ 7,020.00		\$ -		\$ -		\$ -
2501.502	71" SPAN GS PIPE-ARCH APRON	Each	10	\$ 1,470.00	\$ 14,700.00		\$ -		\$ -		\$ -
2501.502	73" SPAN GS PIPE-ARCH APRON	Each	8	\$ 2,300.00	\$ 18,400.00		\$ -		\$ -		\$ -
2501.502	65" SPAN RC PIPE-ARCH APRON	Each	2	\$ 2,100.00	\$ 4,200.00		\$ -		\$ -		\$ -
2501.503	18" CS PIPE CULVERT	Lin. Ft.	1,474	\$ 30.00	\$ 44,220.00		\$ -		\$ -		\$ -
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		\$ -		\$ -		\$ -



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 #:	1
SUBMITTED:	11/12/2020
BEGIN DATE:	10/23/2020
END DATE:	11/9/2020

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2501.503	42" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	172	\$ 60.00	\$ 10,320.00		\$ -		\$ -		\$ -
2501.503	57" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	78	\$ 85.00	\$ 6,630.00		\$ -		\$ -		\$ -
2501.503	64" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	136	\$ 115.00	\$ 15,640.00		\$ -		\$ -		\$ -
2501.503	71" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	300	\$ 140.00	\$ 42,000.00		\$ -		\$ -		\$ -
2501.503	73" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	158	\$ 130.00	\$ 20,540.00		\$ -		\$ -		\$ -
2501.503	87" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	170	\$ 160.00	\$ 27,200.00		\$ -		\$ -		\$ -
2501.503	103" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	159	\$ 190.00	\$ 30,210.00		\$ -		\$ -		\$ -
2501.503	117" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	68	\$ 225.00	\$ 15,300.00		\$ -		\$ -		\$ -
2501.503	142" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	134	\$ 355.00	\$ 47,570.00		\$ -		\$ -		\$ -
2501.503	65" SPAN RC PIPE-ARCH CULVERT	Lin. Ft.	76	\$ 230.00	\$ 17,480.00		\$ -		\$ -		\$ -
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS II	Lin. Ft.	82	\$ 215.00	\$ 17,630.00		\$ -		\$ -		\$ -
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS III	Lin. Ft.	52	\$ 235.00	\$ 12,220.00		\$ -		\$ -		\$ -
2501.602	PLUG AND ABANDON PIPE CULVERT	Each	8	\$ 775.00	\$ 6,200.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS II	C.Y.	259	\$ 95.00	\$ 24,605.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS III	C.Y.	3,941	\$ 95.00	\$ 374,395.00		\$ -		\$ -		\$ -
2563.601	TRAFFIC CONTROL	Lump Sum	1	\$ 25,000.00	\$ 25,000.00		\$ -		\$ -		\$ -
2573.501	STABILIZED CONSTRUCTION EXIT	Lump Sum	1	\$ 3,500.00	\$ 3,500.00		\$ -		\$ -		\$ -
2573.503	SILT FENCE TYPE MS	Lin. Ft.	2,020	\$ 1.20	\$ 2,424.00	35.	\$ 42.00		\$ -	35.	\$ 42.00
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	Lin. Ft.	370	\$ 5.00	\$ 1,850.00		\$ -		\$ -		\$ -
2573.503	FLOTATION SILT CURTAIN TYPE WORK AREA	Lin. Ft.	120	\$ 20.00	\$ 2,400.00		\$ -		\$ -		\$ -
2573.607	ROCK DITCH CHECK	C.Y.	114	\$ 120.00	\$ 13,680.00		\$ -		\$ -		\$ -
2574.508	FERTILIZER, TYPE 1	Pound	53,876	\$ 0.45	\$ 24,244.20		\$ -		\$ -		\$ -
2575.504	RAPID STABILIZATION METHOD 4	S.Y.	1,983	\$ 1.10	\$ 2,181.30		\$ -		\$ -		\$ -
2575.504	EROSION CONTROL BLANKET CATEGORY 3	S.Y.	5,999	\$ 1.00	\$ 5,999.00		\$ -		\$ -		\$ -
2575.505	SEEDING	Acre	289.6	\$ 100.00	\$ 28,960.00		\$ -		\$ -		\$ -
2575.505	DISK ANCHORING	Acre	289.6	\$ 20.00	\$ 5,792.00		\$ -		\$ -		\$ -
2575.508	SEED MIXTURE 22-111	Pound	8,833	\$ 2.50	\$ 22,082.50		\$ -		\$ -		\$ -
2575.508	SEED MIXTURE 25-141	Pound	17,086	\$ 3.00	\$ 51,258.00		\$ -		\$ -		\$ -
2575.509	MULCH MATERIAL TYPE 1	Ton	579.2	\$ 85.00	\$ 49,232.00		\$ -		\$ -		\$ -
2582.503	4" SOLID LINE PAINT (WHITE)	Lin. Ft.	686	\$ 2.20	\$ 1,509.20		\$ -		\$ -		\$ -
2582.503	4" BROKEN LINE PAINT (YELLOW)	Lin. Ft.	90	\$ 2.20	\$ 198.00		\$ -		\$ -		\$ -
Totals											
					Original Contract Amount	\$ 4,374,457.66					
					Extra / Change Order Amount	\$ -					
						Work Completed	\$ 552,958.50		\$ -		\$ 552,958.50



Watershed Based Implementation Funding Phase I

Application

Grant Name - 2020 - Red Lake River Watershed Based Funding
Grant ID - C20-9813
Organization - Pennington SWCD

Allocation	Watershed Based Implementation Funding Phase I 2020	Grant Contact	Peter Nelson
Total Grant Amount Requested	\$1,071,149.00	County(s)	Pennington ,Polk ,Red Lake
Grant Match Amount	\$107,115	12 Digit HUC(s)	
Required Match %	10%	Applicant Organization	Pennington SWCD
Calculated Match %	10%	Application Submitted Date	
Other Amount			
Project Abstract	<p>Impaired waters in the Red Lake River 1W1P are categorized into management classes to target impaired waters that are closest to meeting water quality standards and to protect unimpaired waters close to becoming impaired. Priority management areas targeted in 2020and 2021 include the Little Black River, Black River, County Ditch 96, the Red Lake River between Thief River and Crookston, and the Burnham Creek. Total Suspended Solids are a common impairment in the watershed and it's a priority to restore impaired waters closest to meeting water quality standards and to reduce runoff driven sediment to high-quality unimpaired waters. Grade Stabilization Structures, Source Reduction Practices, and other Priority Agricultural practices will be targeted using PTMApp in priority management areas to reduce 2855 tons of sediment. An Biennial Workplan has been developed and approved by the Red Lake River 1W1P Policy Committee to implement Source Reduction and</p>		

	Agricultural Practices in priority management areas identified by the PTMApp.
Proposed Measurable Outcomes	Reduce sediment by 2,855 T/YR by implementing grade stabilization structures and priority agricultural practices using PTMApp. The sediment reduction goal is 127,453 tons annually or a 62.2% reduction at the outlet of the Red Lake River

Narrative

Questions & Answers

Application Budget

Activity Name	Activity Description	Category	State Grant \$ Requested	Activity Lifespan (yrs)
2020 RLR 1W1P Project Development	Project development includes expenses such as landowner meetings, project mailings, identifying priority projects, and developing necessary agreements or contracts. LGU staff will work with the Ditch Authority and private landowners to discuss resource concerns and implementing grade stabilization structures or other agricultural practices. Staff will collaborate with the MN Agricultural Water Quality Certification Program (MAWQCP) Specialist to identify resource concerns and projects through their assessment process. The Planning Workgroup plans to implement an incentive payment to producers that sign up for the MN Agricultural Water Quality Certification Program. The PTMApp will be used to target landowner outreach for priority projects 11 and 12 identified in the 2020 & 2021 Workplan. A Cover-Crop Policy and non-structural cost-share policy will likely need to be developed as well.	PROJECT DEVELOPMENT	\$53,558.00	

Activity Name	Activity Description	Category	State Grant \$ Requested	Activity Lifespan (yrs)
2020 RLR Priority Non-Structural Practices	Utilizing the PTMApp, work with landowners to implement 2,000 acres of source reduction practices. Collaborate with the MN Agricultural Water Quality Certification Specialist to identify resource concerns and priority projects through the MAWQCP assessment process.	NON-STRUCTURAL MANAGEMENT PRACTICES	\$50,000.00	
2020 RLR 1W1P Ag. Practices	Install six grade stabilization structures in the Black River, Little Black River, and Middle Red Lake River priority management areas. The project numbers are 1, 2, 5, 6, 7, and 12 in 2020-2021 Workplan. Utilize the PTMApp to target agricultural practices in the top priority management areas that include the Black River, Little Black River, Middle Red Lake River, CD 96, Burnham Creek. Target practices using the PTMApp in secondary, or tier two, priority areas including Polk County Ditch 100 (L5) and Cry Creek. Likely practices will be grade stabilization structures, filter strips, and water and sediment control basins.	AGRICULTURAL PRACTICES	\$444,804.00	
2020 RLR 1W1P Administration	<p>The Red Lake Watershed District was appointed fiscal agent for the grant and will track grant expenditures, process payments, and assist with grant reporting and other financial responsibilities.</p> <p>The Pennington SWCD was appointed 1W1P Coordinator and will organize planning workgroup meetings, policy committee meetings, develop agendas, complete required reporting, and other tasks associated for the implementation of grant activities.</p>	ADMINISTRATION /COORDINATION	\$53,557.00	

Activity Name	Activity Description	Category	State Grant \$ Requested	Activity Lifespan (yrs)
2020 RLR 1W1P Technical and Engineering	Technical and Engineering expenses include surveying and design of grade stabilization projects and streambank stabilization structures from a licensed engineer or staff with NRCS Job Approval Authority for the specific practice. Non-Structural practices will also follow the NRCS Field Office Technical Guide (FOTG) standards or SWCD approved policy. Geotechnical work is expected to be completed on at least one project identified in the workplan. Funding may be used to hire additional, or supplement, staff to assist with survey and design work.	TECHNICAL/ENGINEERING ASSISTANCE	\$214,230.00	
2020 RLR Streambank and Shoreland Protection	Stabilize 100 feet of RLWD Ditch 10 near the outlet into the Red Lake River.	STREAMBANK OR SHORELINE PROTECTION	\$180,000.00	10
2020 RLR CD96 Outlet	A Clean Water Fund grant is allocated to stabilize a portion of the CD 96 Outlet in Pennington County. The project is anticipated to exceed the cost of the grant and a portion of the Watershed Based Funding will be used towards stabilizing the outlet of CD96.	STREAMBANK OR SHORELINE PROTECTION	\$75,000.00	

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
2020 RLR 1W1P Ag. Practices	PHOSPHORUS (EST. REDUCTION)	85 LBS/YR	Middle Red Lake River	RUSLE2 (UPDATED)	Project 6 and 7
2020 RLR Streambank and Shoreland Protection	PHOSPHORUS (EST. REDUCTION)	16 LBS/YR	Red Lake River	BWSR CALC (GULLY STABILIZATION)	RLWD Ditch 10
2020 RLR Priority Non-Structural Practices	SEDIMENT (TSS)	329 TONS/YR	M3, M4, M5, M7, L4	Other	PTMApp - Source Reduction Avg Reduction Est.
2020 RLR 1W1P Ag.	SEDIMENT (TSS)	1643 TONS/YR	Black and Little	RUSLE2 (UPDATED)	Projects 1 and

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
Practices			Black River		2 LiDAR and survey. Project 5 - RUSLE2
2020 RLR 1W1P Ag. Practices	SEDIMENT (TSS)	92 TONS/YR	Middle Red Lake River	BWSR CALC (GULLY STABILIZATION)	Project 6 and 7
2020 RLR 1W1P Ag. Practices	SEDIMENT (TSS)	535 TONS/YR	All Priority Management Areas	Other	PTMApp - Project 12. Half Protection, Half Source Red.
2020 RLR Streambank and Shoreland Protection	SEDIMENT (TSS)	20 TONS/YR	Red Lake River	BWSR CALC (GULLY STABILIZATION)	RLWD Ditch 10
2020 RLR CD96 Outlet	SEDIMENT (TSS)	233 TONS/YR	Red Lake River	BWSR CALC (STREAM & DITCH STABILIZATION)	Link with CWF Grant - Project #9.

Application Image

Map Image



BOARD AGENDA ITEM

Agenda Item Title: Ring Dikes: Red Lake WD Request

Meeting Date: November 17, 2020

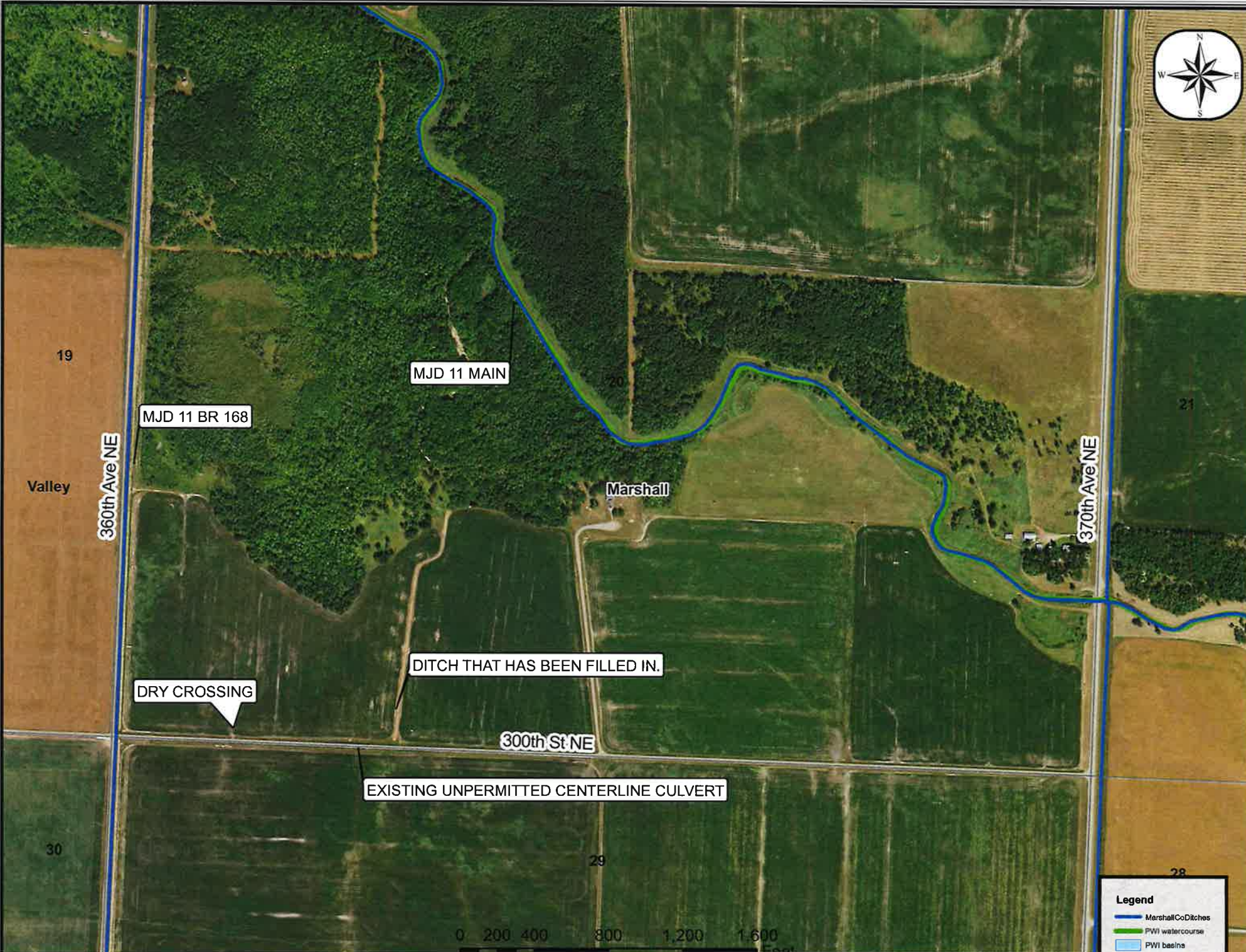
Item Type: Decision

Prepared By: Robert L. Sip, Executive Director

Background: The Red River Watershed Management Board, Minnesota Department of Natural Resources and Watershed District throughout the Red River Valley have been leaders in securing funding for the Flood Hazard Mitigation Ring Dike Program which started because of the record flood of 1997. Since 1997, hundreds of farmsteads, various cities and local infrastructure has been protected due to the efforts of these partners. Although it appears the need for these types of projects are subsiding, it has become apparent that due to large rainfall events of last fall along with large spring runoff event this spring, there is still a need for this program to continue.

Action Being Requested: This request would be for the RRWMB to continue its ring dike program for member Watershed Districts with a funding breakdown to be set at 60% Red River Watershed Management Board and 40% member Watershed District and landowner.

Attachments to This Agenda Item:



MJD 11 MAIN

MJD 11 BR 168

Valley

360th Ave NE

Marshall

370th Ave NE

DITCH THAT HAS BEEN FILLED IN.

DRY CROSSING

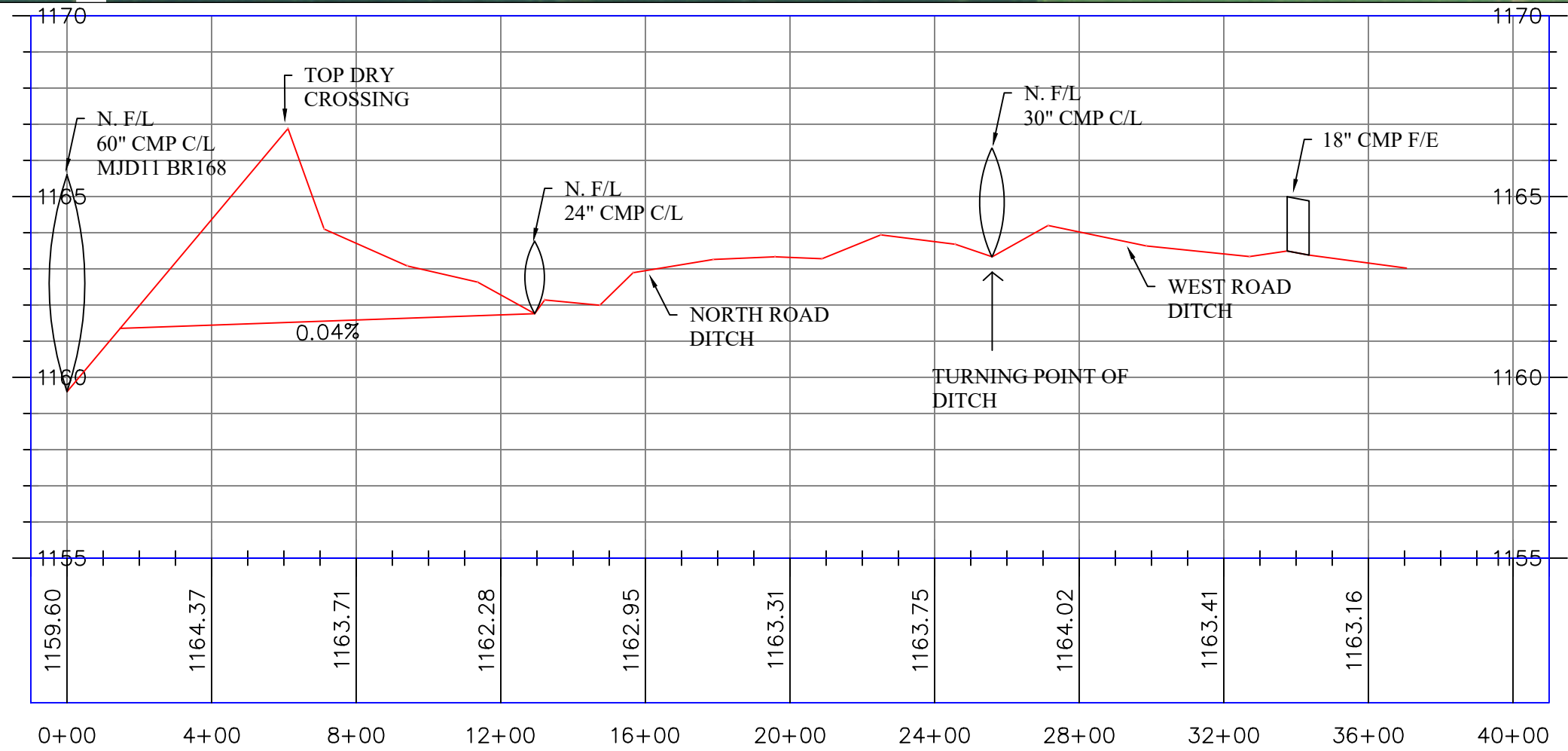
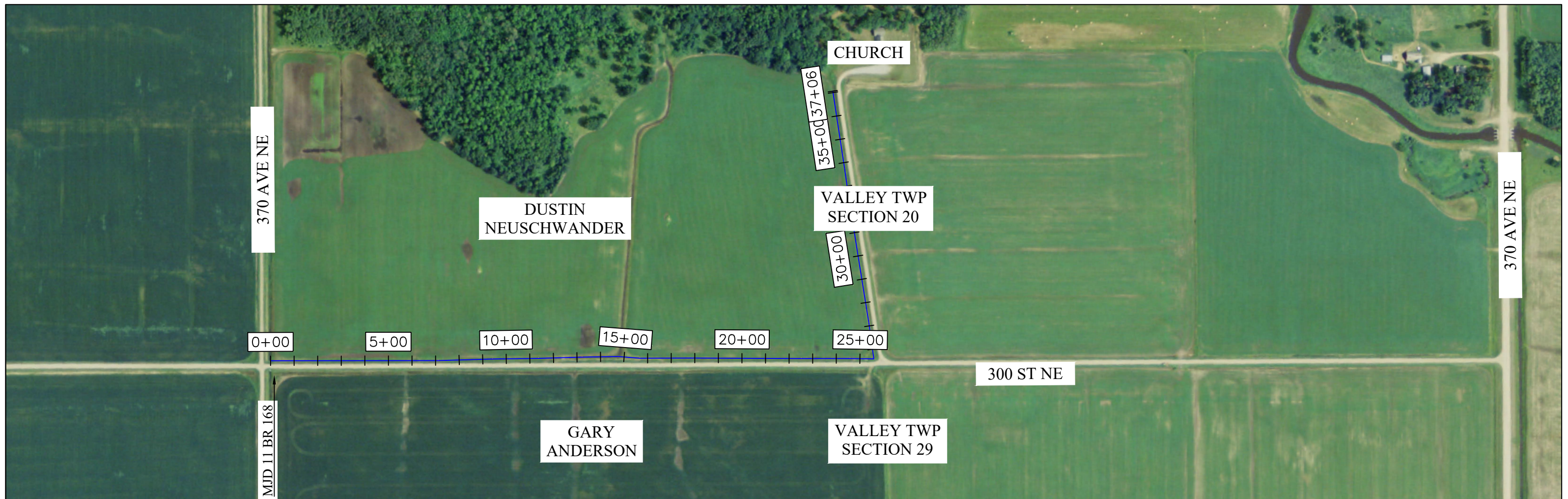
300th St NE

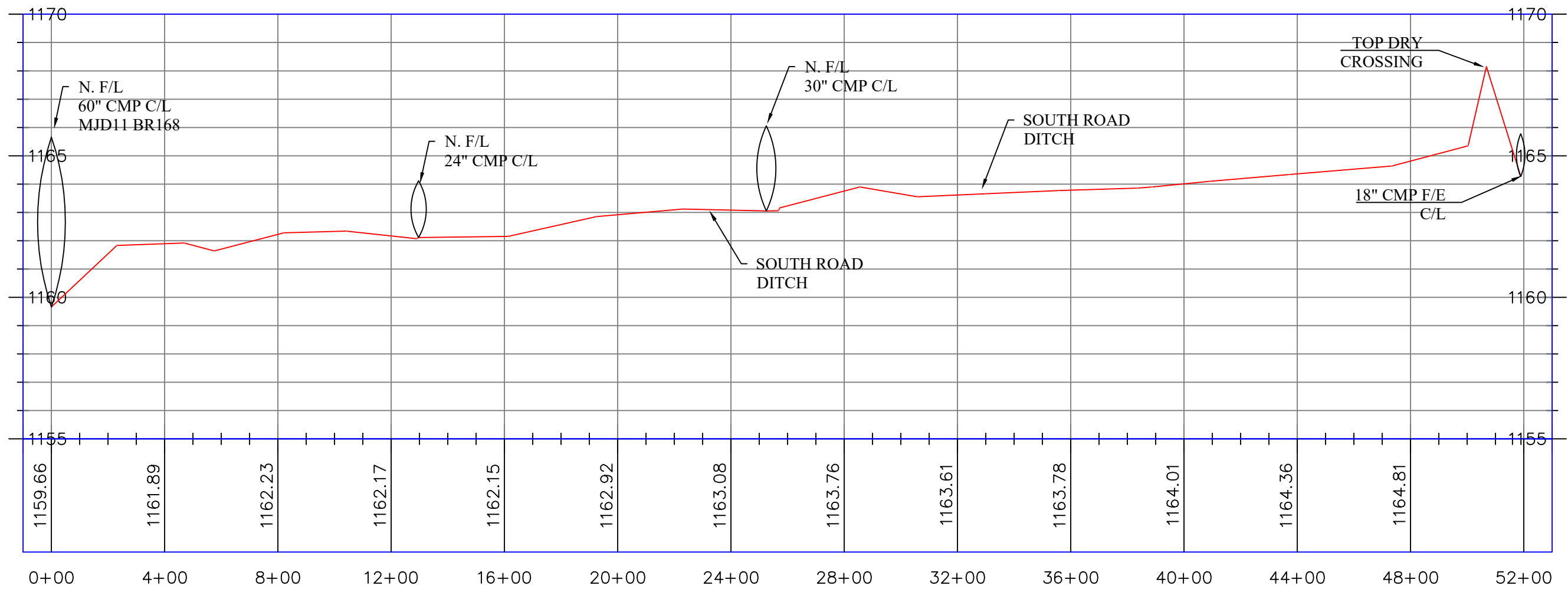
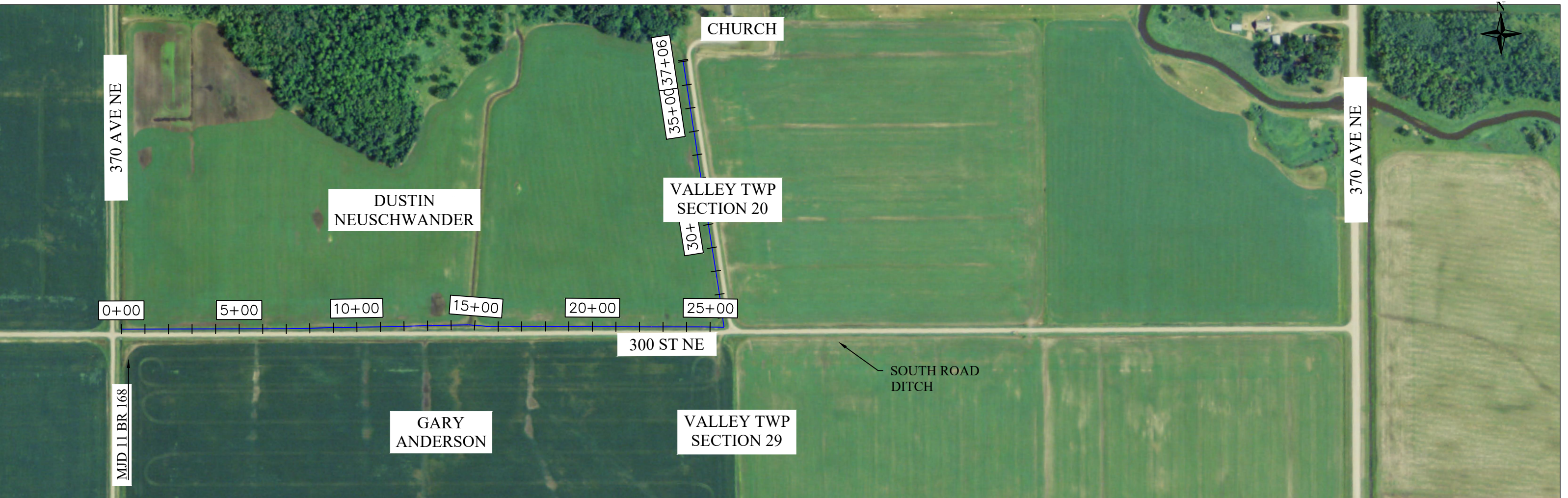
EXISTING UNPERMITTED CENTERLINE CULVERT

Legend

- Marshall Co Ditches
- PWI watercourse
- PWI basins

0 200 400 800 1,200 1,600 Feet





In the matter of the application of: Dale Newton, 116 Eastwood Drive, Thief River Falls, MN 56701

Pursuant to Minnesota Statutes Chapter 103D, the Permit and Drainage Rules of the Red Lake Watershed District, and on the basis of the statement and information contained in the permit application submitted by applicant, including all letters, maps, and other supporting data furnished by applicant, all of which are made a part hereof by reference, permission is hereby granted to Dale Newton address for the purposes of notice and other communications pertaining to this permit is 116 Eastwood Drive, Thief River Falls, MN 56701 the purpose of doing the work applied for with the following exceptions, changes, and/or special conditions:

Red Lake Watershed District (RLWD) approves the installation of a 24" diameter culvert and flap gate located near the northwest corner of Section 29. Applicant shall obtain approval from Valley Township and/or the Judicial Ditch #11 Ditch Board as proposed work is within township road or JD #11 right of way.

The RLWD does not recommend the installation of a proposed centerline culvert through the township road, located slightly west of the ¼ corner of Section 20 and 29. We believe that the culvert and trap, mentioned above, will significantly reduce flooding problems that are occurring. The proposed centerline culvert would pass flows onto other landowners to the North, which does not occur at this time, and would potentially cause adverse impacts downstream. We also feel that the outlet is not adequately maintained to accept additional flows.

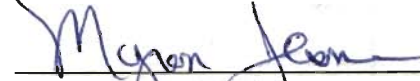
Applicant is responsible for utility locates by calling Gopher 1 (1-800-252-1166).

This permit is granted subject to the following provisions:

- 1) This permit is permissive only and shall not release the permittee from any liability or obligation imposed by Minnesota Statutes, Federal Law or Local Ordinances and shall be subject to all conditions and limitations now or hereafter imposed by law. The Red Lake Watershed District makes no representations to the applicant in granting the permit that the proposed work complies or does not comply with the existing law. No liability shall be imposed upon or incurred by the District or any of its officers, agents or employees, officially or personally, on account of the granting of this permit, or on account of any damage to any person or property resulting from any act or omission of the permittee or any of its agents, employees or contractors relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claim or right of action of the District against the permittee, its agents, employees, or contractors for violation of or failure to comply with the provisions of the permit or applicable provisions of law.
- 2) Work authorized under this permit shall be completed by August 16, 2007, unless extended by the District.
- 3) The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the District for inspection of the work authorized by this permit.
- 4) This permit may be terminated by the District without notice at any time deemed necessary for the management of the water resources of the District, or in the interest of the public health and welfare, or for violation of any of the provisions of this permit.

Dated this 16 day of August, 2006.

Red Lake Watershed District



Myron Jesme, Administrator

P.A. No. 06062

**APPLICATION FOR PERMIT
RED LAKE WATERSHED DISTRICT**
102 North Main Avenue
P.O. Box 803
Thief River Falls, MN 56701
218-681-5800

TO THE BOARD OF MANAGERS:

Applicant's Name: <u>DALE NEWTON</u>		Telephone Number: <u>218-681-2810</u>	
Address (Street, RFD, Box No., City, State, Zip): <u>116 EASTWOOD DRIVE THIEF RIVER FALLS, MN 56701</u>			
Project Location: Government Lot _____, Quarter Section(s) <u>NW 1/4</u> , Section(s) <u>29</u>			
Township (Name & #) <u>VALLEY</u> <u>156 N</u> Range # <u>39 W</u> County <u>MARSHALL</u>			
Type of Work Proposed:			
<input type="checkbox"/> Excavate	<input checked="" type="checkbox"/> Install	<input type="checkbox"/> Channel	<input type="checkbox"/> Dike
<input type="checkbox"/> Fill	<input type="checkbox"/> Remove	<input checked="" type="checkbox"/> Culvert (Size <u>24" NW COR. ONLY</u>)	<input type="checkbox"/> Erosion Control
<input type="checkbox"/> Drain	<input type="checkbox"/> Other	<input type="checkbox"/> Bridge (Size _____)	<input type="checkbox"/> Other
<input type="checkbox"/> Construct	<input type="checkbox"/>	<input type="checkbox"/> Dam	<input type="checkbox"/>

Be sure to attach all necessary reports, maps, drawings, photos, other data, etc., to support permit application.

Description of work to be done: <u>RE-INSTALL CULVERT THRU TWP ROAD, SIZE TO BE DETERMINE BY WATERSHED DISTRICT, AND INSTALL CULVERT WITH TRAP IN NW CORNER OF SECTION 29. THIS PROJECT WILL ALLOW WATER TO DRAIN NORTH WHERE WATER WANTS TO DRAIN AND ALSO ALLOW WATER TO DRAIN WEST TO MJD# 11 BR. 168 YET PREVENTING WATER TO BACK UP FROM THE COUNTY DITCH ONTO MY FIELD. CULVERT THRU TWP CAN BE INSTALLED 1-2' OFF BOTTOM OF DITCH TO ALLOW JUST HIGH FLOWS.</u>	
Estimated drainage area: _____ acres _____ or sq. mile(s)	
Work is necessary because: <u>DRAINAGE PROBLEMS ON NW 1/4 SEC. 29 VALLEY TWP.</u>	

I hereby make application for a permit to proceed with the proposal described above and have attached all supporting maps, plans, and other information submitted with this application. The information submitted and statements made concerning this application are true and correct to the best of my knowledge. Obtaining a permit from the Managers does not relieve the applicant from the responsibility of obtaining any other additional authorization or permits required by law.

Signature of owner or authorized agent <u>Dale Newton</u>	Date <u>6-30-06</u>
--	------------------------

RECEIVED
JUN 30 2006
RLWD

For Office Use Only P.A. No. <u>06062</u>
--

Sept 18, 2006

I agree to permit Gary Anderson and Dale Newton to install a culvert, 24" diameter, through the roadway dividing Section 29 and Section 20 of Valley Township, Marshall County.

Gary Anderson and Dale Newton will be responsible for clearing the trees out of the outlet ditch on my land, and clearing out sediment from the bottom of this outlet ditch, at their own expense.

Ray Bakken

Ray Bakken

Gary Anderson

Gary Anderson



Permit # 19-201

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	FSMN Agri Partners	18 Crescent Key Bellevue, WA 98006		tel: mobile: 425-301-0728 fax:

General Information

- (1) The proposed project is a:
Surface Drainage (New Ditch or Improvement)
- (2) Legal Description
- (3) County: **Pennington** Township: **Cloverleaf** Range: **41** Section: **27 1/4**:
- (4) Describe in detail the work to be performed. **Clean Highway 1 north road ditch for three miles**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Poor drainage.**

Status

Status	Notes	Date
Approved	1 Year Extension	Nov. 9, 2020

Conditions

RLWD approval to extend permit 1 year, to provide additional time to complete work.

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 # 20-159

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
William Langlois		16330 260th Street SW Crookston, MN 56716		tel:218-289-2191 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Gentilly** Range: **45** Section: **22 1/4: NW1/4**

(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. **Increased drainage.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Tabled		Sept. 8, 2020
Received		July 15, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project tying into an existing 'lift 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 pump outlet. ■ Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

I recommend this permit be "tabled", the proposed tile grid has not yet been submitted. 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 # 20-161

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
William Langlois		16330 260th Street SW Crookston, MN 56716		tel: mobile: 218-289-2191 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Kertsonville** Range: **45** Section: **3 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Install 5 acres pattern tile with gravity outflow**

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

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Tabled		Sept. 8, 2020
Received		July 15, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with a 'gravity' outlet. If any work is within a public road and/or public ditch right-of-way, applicant shall contact the appropriate road/ditch authority for their approval and must meet their specs/conditions. 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 outlet. ■ **Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) 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 # 20-252

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Kevin Malwitz		1780 MN Street Plummer, MN 56748		tel: mobile: 218-686-5677 fax:

General Information

(1) The proposed project is a:

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

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **26 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Clean road ditches. Check culvert sizes.**

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

Status

Status	Notes	Date
Approved		Nov. 5, 2020
Received		Sept. 30, 2020

Conditions

Red Lake Watershed District (RLWD) approval to grade the east and west township road ditches to the south, approximately 1400' in length. RLWD approval to lower the 30" CMP centerline culvert through 220th Ave SE and a 30" field entrance culvert as needed for grade. Applicant shall contact Emardville Township & Red Lake County Highway Department and meet their spec's/conditions; proposed work is within township & County Road #26 road right of way. A survey of the ditch bottom profile has been completed by the RLWD and a copy of the profile will be sent to the applicant. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Applicant shall ensure that all disturbed areas are seeded and rock riprap with filter fabric is placed at the outlet end of any lowered culverts. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-274

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Dyr-Valley Enterprises, LTD	12744 180th Street NW Thief River Falls, MN 56701		tel:218-681-8606 mobile: 218-686-3464 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Norden** Range: **44** Section: **28** 1/4: **NW1/4**

(4) Describe in detail the work to be performed. **Install crossing for field access for benefit of landowner and Enbridge Pipeline for access during construction and maintenance.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Landowner has no real good access to property.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 12, 2020

Conditions

RLWD approval to install an 18" diameter field entrance culvert, as per approval of Norden Township, proposed work is within township road right-of-way. Applicant shall also seek approval from Enbridge Pipeline, the proposed permit location appears to be within pipeline right-of-way. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-275

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Douglas Peterson	Folson Farms	44194 140th Street SW East Grand Forks, MN 56721		tel: mobile: 218-779-1993 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Huntsville** Range: **49** Section: **18 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Install 24" culvert through township road along side the 18" culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **City dike on the west side of the filed. With rain or snowmelt, the water kills the crop before a small 18" culvert can remove the water from the field.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 13, 2020

Conditions

RLWD approval to install a 24" diameter centerline culvert alongside of an existing 18" diameter culvert, as per approval of the Road Authority. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-276

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Tom Scholin		42362 320th Street SE Fosston, MN 56542		tel: mobile: 218-686-0123 fax:

General Information

(1) The proposed project is a:

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

(2) Legal Description

(3) County: **Pennington** Township: **Bray** Range: **45** Section: **34 1/4**: **SE1/4**

(4) Describe in detail the work to be performed. **Clean township road ditch and install culvert in once crossing on Tom Scholin property and install culvert in dike on county ditch. May tile east end of the 80 acres.**

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

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 13, 2020

Conditions

RLWD approval to clean a west township road ditch for 1/2 mile and grade it to the south. Applicant is also approved to install an 18" diameter field entrance culvert. The dry crossing at the 1/2 mile line shall remain in place. See map. Applicant shall seek approval from Bray Township and meet their spec's/conditions. When working within the CSAH #3/ JD25 right-of-way, applicant shall also contact the Pennington County Highway Department and meet their spec's/conditions. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-278

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Ron Salentine		24406 120th Street SW Euclid, MN 56722		tel: mobile: 218-289-1111 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: Polk Township: Euclid Range: 47 Section: 13 1/4: SW1/4

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

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

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 15, 2020

Conditions

RLWD approval to clean an east township road ditch, as per approval of Euclid Township. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-279

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Rodney Hoffman		35404 180th Street NE Goodridge, MN 56725		tel: mobile: 218-689-9540 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Goodridge** Range: **40** Section: **26 1/4: NE1/4 NE1/4**

(4) Describe in detail the work to be performed. **Replace existing 24" culvert in field crossing.**

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

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 15, 2020

Conditions

RLWD approval to remove and replace an existing 24" diameter field entrance culvert, and to clean the south road ditch, as per approval of Pennington County Highway Department, proposed work is within county road #63 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing flows shall not be changed or diverted. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-280

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Rodney Hoffman		35404 180th Street NE Goodridge, MN 56725		tel: mobile: 218-689-9540 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Pennington** Township: **Reiner** Range: **39** Section: **30 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Clean east road ditch of County Road 26 (350th Avenue)**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Sediment has filled in the ditch system.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 15, 2020

Conditions

RLWD approval to clean a branch of JD #13 for a 1/2 mile. Applicant shall contact the Pennington County Engineer and coordinate with him prior to cleaning said legal ditch system. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-281

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Brian Vathauer		21975 Hwy 32 South Red Lake Falls, MN 56750		tel:218-253-2496 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Lake Pleasant** Range: **44** Section: **12 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Install 48" culvert and crossing in the west side of SW1/4.**

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

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 15, 2020

Conditions

RLWD approval to install a 48" diameter field entrance culvert, as per approval of Lake Pleasant Township; proposed work is within township road right of way. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-282

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Proulx Brothers	16124 210th Avenue SW Red Lake Falls, MN 56750		tel: mobile: 218-289-2850 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Polk Centre** Range: **45** Section: **5 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Clean township road ditch on east side of SE1/4 and replace 24" culvert on SE corner with 36" culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Poor drainage on east 1/2 of Section 5 and increase culvert size to minimize pooling in SE corner.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 16, 2020

Conditions

RLWD approval to clean the west township road ditch, as per approval of Polk Centre Township; proposed work is within township road right-of-way. Applicant is also permitted to clean the north county road ditch, as per approval of Pennington County Highway Department; proposed work is within County Road #55. All culverts shall remain in place, applicant is not permitted to remove a 24" diameter centerline culvert and replace it with a 36" diameter culvert as proposed in the permit. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-283

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Daniel Caillier		18677 240th Street SW Crookston, MN 56716		tel: mobile: 218-289-0451 fax:

General Information

- (1) The proposed project is a:
Surface Drainage (New Ditch or Improvement)
- (2) Legal Description
- (3) County: **Polk** Township: **Gentilly** Range: **45** Section: **11 1/4: SW1/4**
- (4) Describe in detail the work to be performed. **Clean township ditch.**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Water backs up.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 19, 2020

Conditions

RLWD approval to clean township road ditches, as per approval of Gentilly Township; proposed work is within township road right-of-way. Applicant shall not infringe on the existing power poles along the north side of the section. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-284

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Eric Samuelson		30966 280th Street SW Crookston, MN 56716		tel: mobile: 218-289-0310 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Andover** Range: **47** Section: **6 1/4: SW1/4**

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

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

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 19, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the random tile project with 'gravity' 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. If any of the work will be done near the adjacent wetlands or public watercourse, applicant shall contact the appropriate jurisdictional authority prior to the installation of the tile lines and meet their spec's/conditions. Directly downstream of the tile outlets, applicant shall ensure that adequate grade and drainage is provided. Applicant shall install appropriate erosion control measures for energy dissipation at the tile outlets. 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 # 20-285

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Altepeter Brothers	30220 180th Street SW Euclid, MN 56722		tel: mobile: 218-289-1644 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: **8 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Remove wash dirt that has filled in the ditch from going around gas line.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Original project on gas lines was left too low and water washes out the field and goes back into the ditch.**

Status

Status	Notes	Date
Approved		Nov. 6, 2020
Received		Oct. 19, 2020

Conditions

RLWD approval to clean a portion of Polk County Ditch 32. Applicant shall contact the Polk County Engineer and coordinate with him prior to cleaning said legal ditch system. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-287

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Pennington County Highway Department	250 125th Avenue NE Thief River Falls, MN 56701		tel:218-683-7014 mobile: 218-689-0330 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Reiner** Range: **39** Section: **17 1/4: SW1/4 NW1/4**

(4) Describe in detail the work to be performed. **Replace existing 18" centerline culvert with a 24" culvert on County Road 64 at the intersection of 195th Street NE and 360th Avenue NE.**

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

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 19, 2020

Conditions

RLWD approval to remove an 18" diameter centerline culvert and replace it with a 24" diameter culvert. Applicant shall ensure that all disturbed areas are seeded and that rock riprap with filter fabric is placed at the outlet end of the permitted culvert. 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 # 20-288

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Randy Krebechek		37613 140th Street NE Goodridge, MN 56725		tel: mobile: fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Pennington** Township: **Highlanding** Range: **40** Section: **10 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Clean north road ditch.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Ditch is full of dirt.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 19, 2020

Conditions

RLWD approval to clean the north township road ditch for 1/2 mile, as per approval of Highlanding Township. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-290

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Brian Espeseth		1805 Clyde Drive Thief River Falls, MN 56701		tel:218-779-3631 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Black River** Range: **44** Section: **4 1/4: NE1/4 NE1/4**

(4) Describe in detail the work to be performed. **Possibly lower culvert as culvert is too high.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Water does not drain.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 19, 2020

Conditions

RLWD approval to clean a west road ditch and lower an 18" diameter field entrance culvert, as per approval of Pennington County Highway Department; proposed work is within CSAH #15 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing flows shall not be changed or diverted. Applicant shall ensure that all disturbed areas are seeded and filter fabric with rock riprap is placed at the outlet end of lowered culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-292

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
David Joseph Philipp		22878 260th Avenue NE Goodridge, MN 56725		tel: mobile: 218-686-0159 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

Culvert Installation / Removal / Modification

(2) Legal Description

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

(4) Describe in detail the work to be performed. **Clean county ditch along #2 south side. Run water from the ditch in NE1/4 to the west. Replace culvert in driveway (RLWD to size culvert).**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Better drainage. Water is not able to go to the east. Culvert is deteriorated and may need to be increased.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 21, 2020

Conditions

RLWD approval to clean a south road ditch and replace a 12" diameter driveway culvert with an 18" diameter culvert, as per approval of Marshall County Highway Department; proposed work is within County Road #2 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing flows shall not be changed or diverted. Applicant shall ensure that all disturbed areas are seeded and filter fabric with rock riprap is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-293

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Don Dyrdal		13142 180th Street NW Thief River Falls, MN 56701		tel: mobile: fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Pennington** Township: **Norden** Range: **44** Section: **22 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Clean sediment and of county road ditch.**

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

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 28, 2020

Conditions

RLWD approval to clean a north road ditch, as per approval of Pennington County Highway Department; proposed work is within County Road #63 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-294

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Gary Novak		12065 120th Street SE St. Hilaire, MN 56754		tel: mobile: fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Browns Creek** Range: **44** Section: **34 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Clean and lower road ditch. Add a 36" culvert along side existing 36" culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Flooding in field. Culvert is undersized.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 28, 2020

Conditions

RLWD approval to clean the east road ditch and install a 36" diameter culvert alongside of an existing 36" diameter culvert, as per approval of Red Lake County Highway Department; proposed work is within County Road #4 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing flows shall not be changed or diverted. Applicant shall ensure that all disturbed areas are seeded and rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-295

Status Report: **Approved**

Applicant Information

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

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Polk** Township: **Badger** Range: **48** Section: **4 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Clean silt out of road ditch along Hwy 49 south side.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Silt blocking flow of water.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Oct. 29, 2020

Conditions

RLWD approval to clean the south road ditch, as per approval of Polk County Highway Department; proposed work is within County Road #49 right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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.



Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Gerald Forgit		36790 State Highway 102 SW Fertile, MN 56540		tel:218-945-6331 mobile: fax:

General Information

(1) The proposed project is a:

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

(2) Legal Description

(3) County: **Polk** Township: **Onstad** Range: **45** Section: **9 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Extend existing 24" diameter culvert and widen field entrance and clean south ditch of township road (approximately 300')**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Current entrance is too narrow and remove sediment from road ditch (350th Street SW).**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Nov. 2, 2020

Conditions

RLWD approval to extend an existing 24" diameter field entrance culvert and to clean the south road ditch, as per approval of Onstad Township; proposed work is within township road right-of-way. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing 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 at (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 # 20-297

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Josh & Fred Barrett		44194 140th Street SW East Grand Forks, MN 56721		tel:218-779-1993 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Sullivan** Range: **49** Section: **15 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Install 18" culvert through township road with trap.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Water has no where to go so the water kills the crop.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Nov. 2, 2020

Conditions

RLWD approval to install an 18" diameter centerline culvert, as per approval of Sullivan Township; proposed work is within township road right-of-way. Applicant shall ensure that all disturbed areas are seeded and rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-298

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jacob Faugstad		39157 310th Street SW Climax, MN 56523		tel: mobile: 701-215-2438 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Fisher** Range: **48** Section: **34 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Install 18" culvert on south side of County Road 216, approximately one mile east of County Road 16.**

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

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Nov. 3, 2020

Conditions

RLWD approval to install a 24" diameter driveway culvert, as per approval of Polk County Highway Department; proposed work is within county road #216 right-of-way. Applicant shall ensure that all disturbed areas are seeded and rock riprap with filter fabric is placed at the outlet end of the permitted culvert. Applicant is responsible for utility locates by calling Gopher 1 at (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 # 20-299

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
JoAnn Hoselton		102 Willow Court Thief River Falls, MN 56701		tel: mobile: 218-289-3797 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Red Lake** Township: **Browns Creek** Range: **44** Section: **30 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Clean out sediment and sod build up at two locations within Section 30**

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

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Nov. 3, 2020

Conditions

Red Lake Watershed District (RLWD) approval to clean an existing natural waterway within Red Lake County Road #9 right-of-way; as per approval of Red Lake County Highway Department specifications & conditions. Existing culverts shall remain in place at current elevations. Applicant shall contact all appropriate governing bodies concerning wetlands and natural resources prior to cleaning the waterway. 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./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 # 20-300

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Onstad Township	17974 350th Street SW Crookston, MN 56716		tel:218-281-1292 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: Polk Township: Onstad Range: 45 Section: 10 1/4:

(4) Describe in detail the work to be performed. **Replace existing 12" diameter centerline culvert with a 24" diameter CMP.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Old pipe is too small and deteriorated.**

Status

Status	Notes	Date
Approved		Nov. 9, 2020
Received		Nov. 3, 2020

Conditions

Red Lake Watershed District (RLWD) approval to replace an existing 12" diameter centerline culvert with a 24" diameter culvert. Applicant shall ensure that all disturbed areas are seeded and rock riprap with filter fabric is placed at the outlet end of the permitted culvert. 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.



Pre-Conference Workshops

Tuesday, December 1, 2020

Introduction to Minnesota Public Drainage Law

Join drainage professionals for an introduction of the newly updated Understanding MN Public Drainage Law Handbook and Overview. To view these documents in advance of the workshop, visit the website: <http://bwsr.state.mn.us/understanding-minnesota-public-drainage-law>.

8:30	Welcome/Introduction	
8:35	Background/History/Handbook	Al Kean, former BWSR Drainage Engineer
9:10	Roles and Responsibilities – Part 1	Craig Austinson, Blue Earth County
9:40	Roles and Responsibilities – Part 2	Merissa Lore, Faribault County
10:10	Break	
10:20	Drainage Project Proceedings	Chuck Brandel, ISG
10:50	Repair and Other Proceedings	Chris Otterness, Houston Engineering
11:20	Break	
11:30	Authorities, Jurisdiction, and Records	Watershed District Administrator
12:00	Due Process in Drainage Law	Kale Van Bruggen, Rinke-Noonan
12:25	Closing and Next Steps	

Financing Watershed Projects

Join watershed administrators from across the state to explore options for financing watershed projects that go beyond the general levy. Topics include:



1:00	Welcome/Introduction	
1:05	Project Tax Levies	Margaret Johnson, Middle Fork Crow River WD
1:30	Local Sales Tax Option	Andy Henschel, Shell Rock River WD
2:00	Water Management Districts	Tera Guetter, Pelican River WD
2:30	Bonding	Mark Doneux, Capitol Region WD
3:00	Break	
3:15	Additional Grants and Funding Options	Margaret Johnson, Middle Fork Crow River WD
3:45	Lessard SAMS Outdoor Heritage Council	Scott Henderson, Sauk River WD
4:15	Public Facilities Authority	Rebecca Carlson, Clearwater River WD
4:45	Closing	

To register, visit <https://pheedloop.com/mawd2020/site/>

\$199 registration includes an all-access pass to the December 1-4 live sessions and events plus on-demand access starting December 7, 2020.



MAWD Annual Convention Schedule

Wednesday, December 2, 2020

Welcome to the MAWD Annual Convention! We hope you enjoy this year's lineup of presentations and fun activities. Each presentation will be pre-recorded but will feel live with each presenter being available for live chat sessions. We look forward to seeing you online!

Noon Welcome and Keynote Speaker (TBD)

1:00 Sessions (Tracks: Climate, River Restorations, Watershed Management Strategies)

- Climate Change Initiatives in Minnesota and Wisconsin
- Stream Meander Restoration in an Urban Creek
- Implementing Groundwater Management Planning into Watershed Plans

1:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor EOR

2:00 Sessions (Tracks: Climate, River Restoration, Watershed Management Strategies)

- Changing Climate and Changing Waters: What We Must Do to Save Them
- Phased Project Implementation – Managing Water One Step at a Time
- Balancing Flood Damage Reduction, Water Quality Needs in the Red River Basin

2:30 Sessions (Tracks: Climate, River Restorations, Watershed Management Strategies)

- Where to Begin? Identifying and Prioritizing Flood-Risk Mitigation Projects
- If You Build It, They Will Come: Pelican River Low Head Dam Case Study
- Moving from One Watershed Planning to Implementation

3:00 VENDOR SHOWCASE – Thank you to Platinum Sponsor Houston Engineering

3:30 Sessions (Tracks: Special Projects, Retention/Drainage Solutions, Clean Water Fund)

- Urban Meet Rural: Stormwater Management Alternatives for Solar Garden Sites
- Strategies for Implementing Storage into Public Drainage Systems
- Achieving the Public's Expectations for Water Quality in Minnesota

4:00 Sessions (Tracks: Special Projects, Retention/Drainage Solutions, Clean Water Fund)

- Shields Lake Stormwater Reuse and Alum Treatment
- May I Have Your Attention for Retention?
- Clean Water Fund and Clean Water Council Update

4:30 VENDOR SHOWCASE – Thank you to **New**** Platinum Sponsor ISG**

5:00 Regional Meetings – Discuss regional issues and vote for your region's MAWD Board of Directors representative.

5:30 Night at the Movies – Watch our very own watershed movies and vote for your favorite by Thursday 8 pm. The 2019 Best Picture - Night at the Movies Traveling Trophy winner was Capitol Region Watershed District. Congrats!



MAWD Annual Convention Schedule

Thursday, December 3, 2020

- Noon Sessions (Tracks: Technology Tools, Partnerships, Research & Studies)**
- Innovative Solutions Utilizing XPSWMM for Flood Mitigation
 - Raising the Grade: Seeking Solutions to Improve the Health of the Mississippi River
 - Minnesota Stormwater Research Council - Background and Highlights
- 12:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor Wenck**
- 1:00 Sessions (Tracks: Technology Tools, Partnerships, Research & Studies)**
- Effective Uses for the PTM App in Watershed Planning and Implementation
 - Delivering a Watershed-based Public Private Partnership to Achieve Shared Goals
 - Planning for Resiliency: Natural Asset Valuation in a Changing World
- 1:30 Sessions (Tracks: Technology Tools, Outreach & Inclusion, Research & Studies)**
- The Water We Move: Pumps and Pumping of Drainage and Storm Water
 - Stretching Outreach Budgets by Partnering with the Blue Thumb Program
 - St. Anthony Regional Scale Stormwater Treatment and Research Facility
- 2:00 VENDOR SHOWCASE – Thank you to Platinum Sponsor Moore Engineering**
- 2:30 Sessions (Tracks: Technology Tools, Outreach & Inclusion, Urban Projects)**
- Improve Remote Collaboration While Lowering Costs Using Open Source Software
 - Capitol Region Watershed District: 2020-2025 Diversity, Equity, and Inclusion Plan
 - Success, Failures, and Evolution of a Low Impact Development Precedent
- 3:00 Sessions (Tracks: State/Federal Updates, Advanced Project Development, Urban Projects)**
- Minnesota's 2020 State Water Plan: Water and Climate
 - Complex Project Development: A Case Study of Lake Traverse Water Quality Project
 - Parkview Center School Filtration BMP: Case Study for Coordination and Cost Savings
- 3:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor Barr Engineering**
- 4:00 Sessions (Tracks: State/Federal Updates, Advanced Project Development, Urban Projects)**
- US Army Corps of Engineers, St. Paul District Regulatory Program Overview & Updates
 - Using Future Hydrology Planning to Achieve Watershed Goals
 - Virtual Tour of Allianz Field's Stormwater Management Systems
- 4:30 Awards Program –** It won't be the same as getting dressed up and having a wonderful meal together, but we still need to recognize each other's outstanding achievements! Awards include: Best Program, Best Project, Administrator of the Year, Employee of the Year, and Traveling Trophies for Education and Best Picture
- 5:30 Happy Hour Trivia –** Play trivia with your fellow watershed friends online! We tried this out at another water conference, and it was so much fun! **Please join us!** (1 hr)



MAWD Annual Business Meeting

Friday, December 4, 2020

The MAWD Membership meets annually to discuss official business including approving a budget for Fiscal Year 2021 and voting on resolutions submitted by members and/or the MAWD Board. This year, we will be discussing eight resolutions that you should have received from your administrator. Each watershed is given two delegates that may vote during the meeting. The agenda is included below. A full meeting packet will be distributed no later than one week in advance of the meeting.

- 9:00 **Welcome**
- 9:10 **MAWD Reports** (President, Secretary, Treasurer, Executive Director)
 - Approve 2019 Minutes, FY2021 Budget, and Report of the Auditor
- 9:45 **Agency Reports** (BWSR, DNR, MPCA)
- 10:15 **Break**
- 10:30 **Resolutions Hearing**
 - Debate and Vote on 2020 Proposed Resolutions
- 12:00 **Adjournment** / End of Convention

MAWD Regional Meetings

Wednesday, December 2, 2020

MAWD watersheds are divided into 3 geographic regions and each region has three representatives on the MAWD Board of Directors. Regional meetings must be held at least annually to elect members to 3-year terms on the MAWD Board of Directors. Each watershed has 2 delegates that may vote in the elections. Here are the current [board members](#) and their terms.

Region 1 Board Members: (Red River Valley)

Linda Vavra, Bois de Sioux WD – term expires 2020
Gene Tiedemann, Red Lake WD – term expires 2021
Peter Fjestad, Buffalo Red River WD – term expires 2022

Region 2 Board Members: (Rural, non-Red River Valley)

Tim Dritz, Yellow Medicine River WD – term expires 2020
Wanda Holker, Upper Minnesota River WD – term expires 2021
Ruth Schaefer, Middle Fork Crow River WD – term expires 2022

Region 3 Board Members: (Metro WDs/WMOs)

Mary Texer, Capitol Region WD – term expires 2020
Jackie Anderson, Comfort Lake Forest Lake WD – term expires 2021
Sherry Davis White, Minnehaha Creek WD – term expires 2022



Clean Water Council: Application for MAWD's Endorsement

Due Date: November 20, 2020

Thank you for your interest in representing watersheds on the Clean Water Council (CWC). This important position impacts the ability of watershed organizations across Minnesota to maximize resources and clean water outcomes.

MAWD has an opportunity to make a recommendation to the Governor indicating who we would like to represent us on the CWC. Along with time, energy, and passion, we are looking for an individual with the skills and knowledge listed below.

- Familiarity with the CWC and its work
- Knowledge of the agencies and organizations the CWC allocates money to and why
- Ability to spend time required on CWC work and with MAWD's Executive Director to keep members informed
- Experience working with Legislators including testifying before committees and lobbying
- Excellent oral and written communications skills

To ensure we have a strong representative we are asking each interested person to complete the attached questionnaire and email it back to Executive Director Emily Javens at emily@mnwatershed.org by the end of day November 20. You will also need to fill out an application to be reviewed by the Governor. To complete that task, visit the Open Positions webpage at: <https://commissionsandappointments.sos.state.mn.us/>. The appointment is made by him and approved later by the Senate. The MAWD Board will do a blind evaluation of the applications we receive and make a decision by December 4.

Again, thank you for your interest. If you have any questions, feel free to call Emily Javens at (320) 979-0084. We look forward to receiving your application.

Name: _____	Watershed: _____
Phone: _____	Position: _____ (Administrator/Board Member)



Clean Water Council Representative Questionnaire for MAWD's Endorsement to Governor Walz

Why are you interested in representing watershed districts MAWD on the Clean Water Council (CWC)?

What is your vision for the CWC? What do you want to accomplish?

How much time are you prepared to allot to the CWC?

Describe your experience that makes you the ideal person for this position.

How would you keep MAWD up to date with the CWC and alert MAWD to potential issues?

Describe your experience working with the Legislature including testifying before committees and lobbying?

**RED LAKE WATERSHED DISTRICT
MONTHLY WATER QUALITY REPORT**

July 2020

By Corey Hanson, Red Lake Watershed District Water Quality Coordinator. 11/3/2020



Storm clouds rolling into Thief River Falls on July 17, 2020



Long-Term Water Quality Monitoring Program

The second round of 2020 sampling for the District's long-term monitoring program was completed in July. Runoff from July storms resulted in high flows and high concentrations of pollutants like total suspended solids, total phosphorus, and *E. coli*. The nutrient influx to lakes from the June and July 2020 runoff events, combined with high water temperatures, contributed to blue-green algae blooms that began to appear in late July and early August.

High flows in Grand Marais Creek



Erosion in the Cyr Creek subwatershed



RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

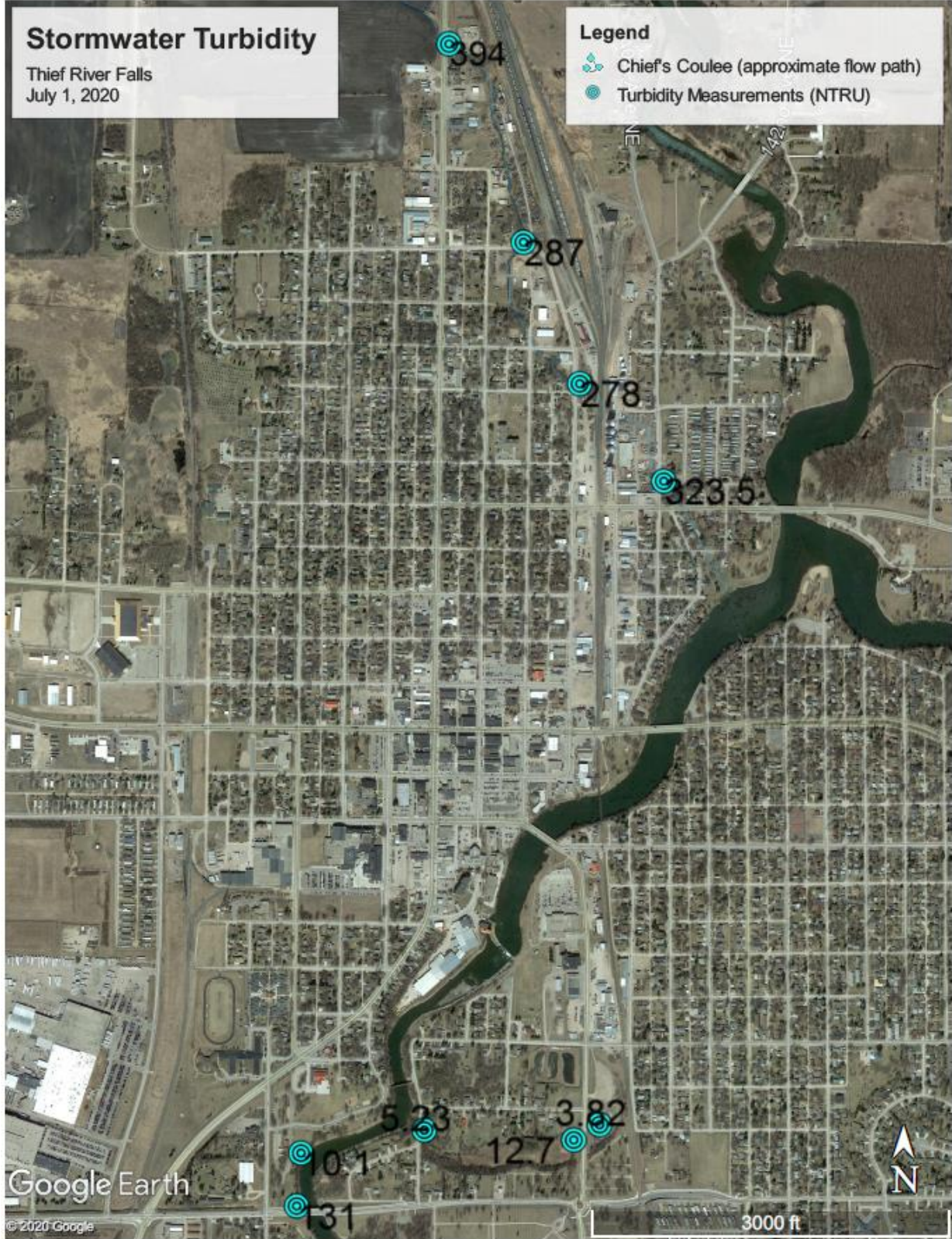
Erosion along Branch 200 of Judicial Ditch 11, east of the intersection of 270th Street NE and 290th Avenue NE



A set of stormwater samples were collected from stormwater outlets in the City of Thief River Falls. Project planning for the Thief River Falls Oxbow Restoration Project revealed a need for additional stormwater runoff water quality data, especially in that project area. The samples were collected after an early morning rainfall event on July 1, 2020. Much of the runoff had already passed by the time samples were collected, but there was still enough flow to sample. High concentrations of *E. coli* bacteria were found at all the sampling locations. Chloride concentrations were very high in the water that was trickling into the storm drain at the city's snow disposal site. Samples were collected upstream (Pennington Avenue) and downstream (Columbia Avenue) of potential Thief River Falls Oxbow Restoration Project location. There was evidence of significant runoff and some erosion where water flows from Columbia Avenue into the oxbow wetland. Total phosphorus was very high at most of the stormwater outlets. Total suspended solids concentrations were very high at the Pennington County Ditch 70 outlet. The water in Chief's Coulee was very muddy and the rate of flow was still high in that drainage system. The sampling results confirmed that the channel had very high total suspended solids, very high total phosphorus, and a higher concentration of *E. coli* than what the lab could measure and report. The muddy water was traced upstream to where the Chief's Coulee channel begins at Highway 32. The muddy water was coming from a private field drainage ditch that drains to Chief's Coulee.

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020



**RED LAKE WATERSHED DISTRICT
MONTHLY WATER QUALITY REPORT**

July 2020

Thief River Falls snow disposal area: The area around the drain (under the lone tree in the open area) with standing water in this photo is the potential location of a settling pond that would be constructed as part of the Thief River Falls Oxbow Restoration Project.



Pallets and trash were partially blocking flow at a stormwater outlet downstream of the potential Thief River Falls Oxbow Restoration Project at Columbia Avenue. Some erosion had been caused by runoff from Columbia Avenue that flows down a bare slope to the stormwater channel.



RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

Runoff from a field on the west side of Highway 32 that was the source of high turbidity, total suspended solids, and other pollutants in Chief's Coulee n July 1, 2020.



An algal toxin sample was collected from the Maple Lake beach on July 2, 2020, in which no algal toxins were detected. An algal toxin sample was also collected from the Mud River in Grygla on July 30, 2020. No algal toxins were found in the Mud River sample, either. District staff were contacted by DNR staff and the owner of a campground on Lake Sarah (in the Sand Hill River Watershed District but very close to Maple Lake) about a severe blue-green algae bloom. In late July, District staff agreed to test a sample if it was brought to the District office because confirmation of a potentially harmful blue-green algal bloom in Lake Sarah would indicate that similar blooms were possible in nearby District lakes like Maple Lake and other lakes that are shallow, eutrophic, or both. The concentration of algal toxins in the Lake Sarah sample exceeded the 10 parts per billion maximum concentration that could be measured with the Abraxis test kit.

Screenshot image, provided by a lake resident, of the Lake Sarah blue-green algae



RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

Samples were collected from Long Lake, near Pinewood. The lake continued to meet lake water quality standards. A sample was collected from Four-Legged Lake in response to concerns about pollutants in the lake. Water quality in the lake was excellent, with very low concentrations of phosphorus and chlorophyll-a as well as no detectable chemical contaminants.

The amount of sediment that is carried by a stream is measured by collecting and analyzing samples for **total suspended solids**. Fish and aquatic macroinvertebrates (bugs, worms, crustaceans, etc.) are harmed by high concentrations of total suspended solids. In July 2020, high total suspended solids concentrations (>65 mg/l, >30 mg/l, or >15 mg/l, depending on the site's location) were found at:

- Red Lake River at CSAH 15, near Fisher
- Red Lake River at CSAH 11, near Gentilly
- Red Lake River at CSAH 3, near Huot
- Red Lake River at CSAH 13
- Red Lake River at Highway 32
- Red Lake River at Center Street E, near St. Hilaire

Very low total suspended solids (<1 mg/L) concentrations were found in the Clearwater River at CSAH25 and the Lost River at 109th Ave.

High concentrations of *E. coli* bacteria indicate an increased risk of gastrointestinal illness from aquatic recreation activities (swimming) that involve contact with water. High *E. coli* concentrations (>126 MPN/100ml) were found in the following waters (alphabetical order) during July 2020 sampling:

- Beau Gerlot Creek at CR 114
- Black River at CSAH 18
- Blackduck River at Deer Trail Road NE
- Burnham Creek at 270th Street SW
- Darrigan's Creek at CSAH 23
- Gentilly Creek at CSAH 11, in Gentilly
- Hill River at County Road 119
- Hill River at CSAH 35
- Judicial Ditch 30 at 140th Ave NE
- Judicial Ditch 73 at the Maple Lake inlet
- Judicial Ditch 73 at 343rd Street SE
- Kripple Creek at CSAH 53
- Lost River at County Road 119
- Lost River at CSAH 8
- Lost River at 486th Street, near the Pine Lake outlet
- Lost River at 109th Ave
- Lower Badger Creek at 150th Avenue SE
- Marshall County Ditch 20 at 180th Ave NE
- Mud River at Highway 89
- North Cormorant River at CSAH 36
- O' Briens Creek at Harvest Road NE

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

- Polk County Ditch 14 ear the Maple Lake outlet
- Red Lake River at CSAH 11, near Gentilly
- Red Lake River at CSAH 3, near Huot
- Red Lake River at CSAH 13
- Red Lake River at Highway 32
- Red Lake River at Center Street E, near St. Hilaire
- Red Lake River at Greenwood Street in Thief River Falls
- Red Lake River at CSAH 7 (Smiley Bridge), east of Thief River Falls
- Ruffy Brook at CSAH 11
- Silver Creek at County Road 111
- Silver Creek at 159th Ave
- Terrebonne Creek at CSAH 92
- Thief River at 140th Ave NE
- Thief River at CSAH 7
- Thief River at 380th St. NE

The state's water quality standard for **total phosphorous** varies by river nutrient region. Rivers and tributaries in the western part of the District have to meet a 0.150 mg/l standard in the South River Nutrient Region. Rivers and tributaries assigned to the Central River Nutrient region have to meet a 0.100 mg/l standard. Rivers and tributaries in the eastern part of the District have to meet a more protective standard of 0.050 mg/l in the North River Nutrient Region. High total phosphorus concentrations relative to the State of Minnesota's new regionalized river eutrophication nutrient criteria were recorded in samples collected at the following sites in July 2020:

- Black River at CSAH 18
- Blackduck River at Deer Trail Road NE
- Branch 200 of JD 11 at 190th Ave NE
- Browns Creek at CR 101
- Burnham Creek at 270th Street SW
- Clear Brook at CSAH 92
- Clearwater River, north of Plummer
- Clearwater River at County Road 127
- Coburn Creek at CSAH 30
- Cyr Creek at 220th Street Southwest
- Darrigan's Creek at CSAH 23
- Grand Marais Creek at 130th Street Northwest
- Grand Marais Creek at 110th Street Northwest
- Heartsville Coulee at 13th Street Southeast
- Hill River at 335th Avenue SE
- Judicial Ditch 30 at 140th Ave NE
- Lost River at 109th Ave
- Marshall County Ditch 20 at 180th Ave NE
- Moose River at CSAH 54
- Mud River at Highway 89
- Nasset Creek

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

- North Cormorant River at CSAH 36
- O' Briens Creek at Harvest Road NE
- Pennington County Ditch 21 at 135th Avenue SE
- Polk County Ditch 1 at County Road 61
- Polk County Ditch 2 at Polk County Road 62
- Poplar River at 310th Street SE
- Red Lake River at CSAH 15, near Fisher
- Red Lake River at Woodland Ave in Crookston
- Red Lake River at CSAH 11, near Gentilly
- Red Lake River at CSAH 3, near Huot
- Red Lake River at CSAH 13
- Red Lake River at Highway 32
- Red Lake River at Center Street E, near St. Hilaire
- Red Lake River at Greenwood Street in Thief River Falls
- Red Lake River at CSAH 7 (Smiley Bridge), east of Thief River Falls
- RLWD Ditch 15 at CSAH 20
- Silver Creek at County Road 111
- South Cormorant River at CSAH 37

Aquatic fish and macroinvertebrates rely on **dissolved oxygen** in water for survival. Dissolved oxygen can enter the water through mechanical means (splashing over rocks, wave action) or through the photosynthesis process of aquatic vegetation. Low dissolved oxygen levels (<5 mg/l) were found in the following rivers and streams in July 2020:

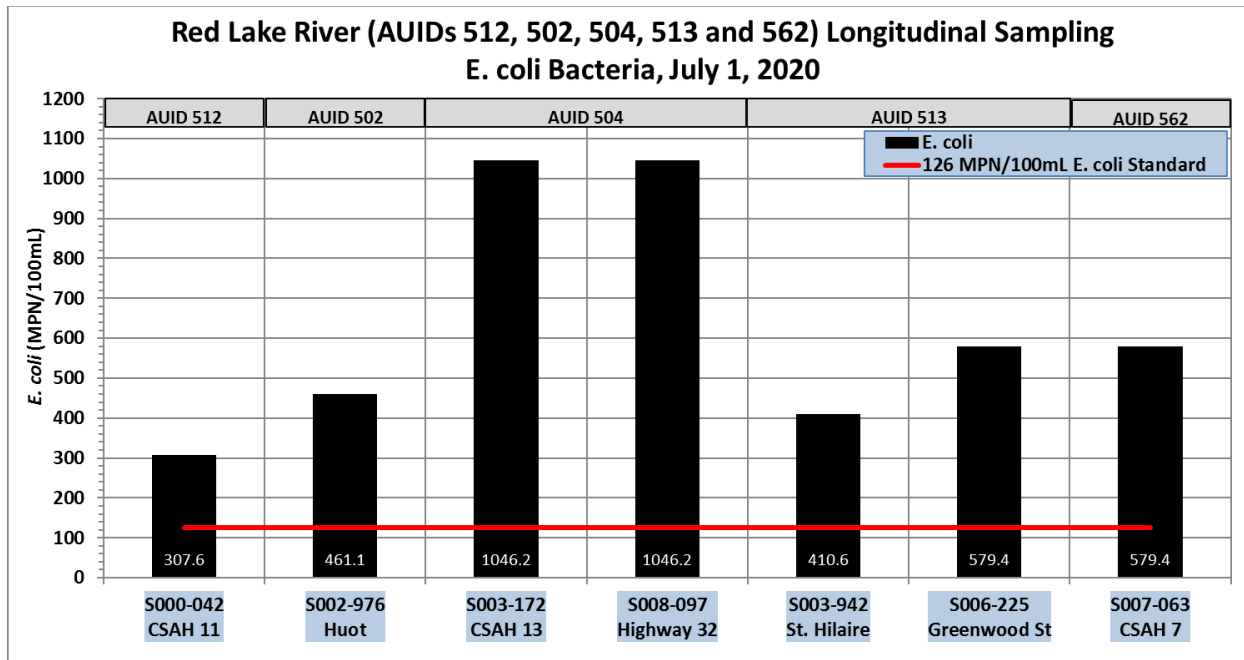
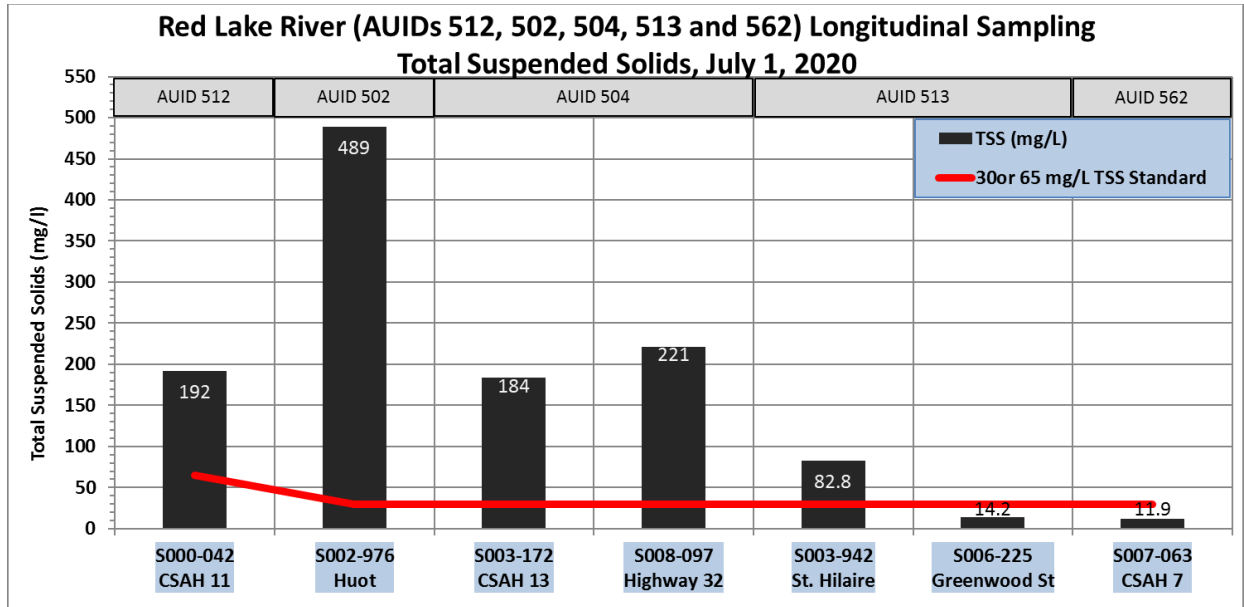
- Branch 200 of JD 11 at 190th Ave NE
- Brandt Impoundment inlet
- Brandy Impoundment outlet channel (RLWD Ditch 15) at 260th Avenue Southwest
- Clearwater River at CSAH 25, near Bagley
- Grand Marais Creek at 110th Street Northwest
- Grand Marais Creek at 130th Street Northwest
- Heartsville Coulee at 13th Street Southeast
- Judicial Ditch 73 at the Maple Lake inlet
- Lost River at 109th Ave, upstream of Pine Lake
- Marshall County Ditch 20 at 180th Ave NE
- Moose River at Highway 89
- Polk County Ditch 1 at County Road 61
- Polk County Ditch 2 at County Road 62
- Walker Brook at CSAH 19

Longitudinal samples were collected at crossings along the Red Lake River on July 1 after a rainfall event, from the CSAH 7 (Smiley) Bridge to the CSAH 11 (Gentilly) Bridge. High total suspended solids concentrations were found along the river downstream of Thief River Falls, but samples within Thief River Falls and upstream of the city met total suspended solids standards. Total suspended solids concentrations peaked near Huot. High *E. coli* concentrations were found at all the sampling sites and

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

peaked at the Red Lake Falls crossings. Total phosphorus concentrations were high at all the sites, peaking at Huot.



Continuous Dissolved Oxygen Monitoring

New sensor caps were purchased for 2020 monitoring with the District's HOBO dissolved oxygen loggers. The HOBO dissolved oxygen loggers were then deployed at:

- Pennington County Ditch 21 at the 135th Ave NE.

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

July 2020

- Marshall County Ditch 20 at 180th Ave NE
- Judicial Ditch 30 at 140th Ave NE
- Branch 200 of Judicial Ditch 11 at 190th Ave NE (downstream of Farmes Pool)
- Branch 200 of Judicial Ditch 11 at 270th St NE (upstream of Lost River Pool)

Discrete field measurements (dissolved oxygen, temperature, pH, specific conductivity, and stage) were recorded near the midpoint of each deployment to aid the data review and correction process.

Stage and Flow Monitoring

Stage and flow measurements were recorded at monitoring stations near the inlet and outlet of the Brandt Impoundment.

Inlet to the Brandt Impoundment



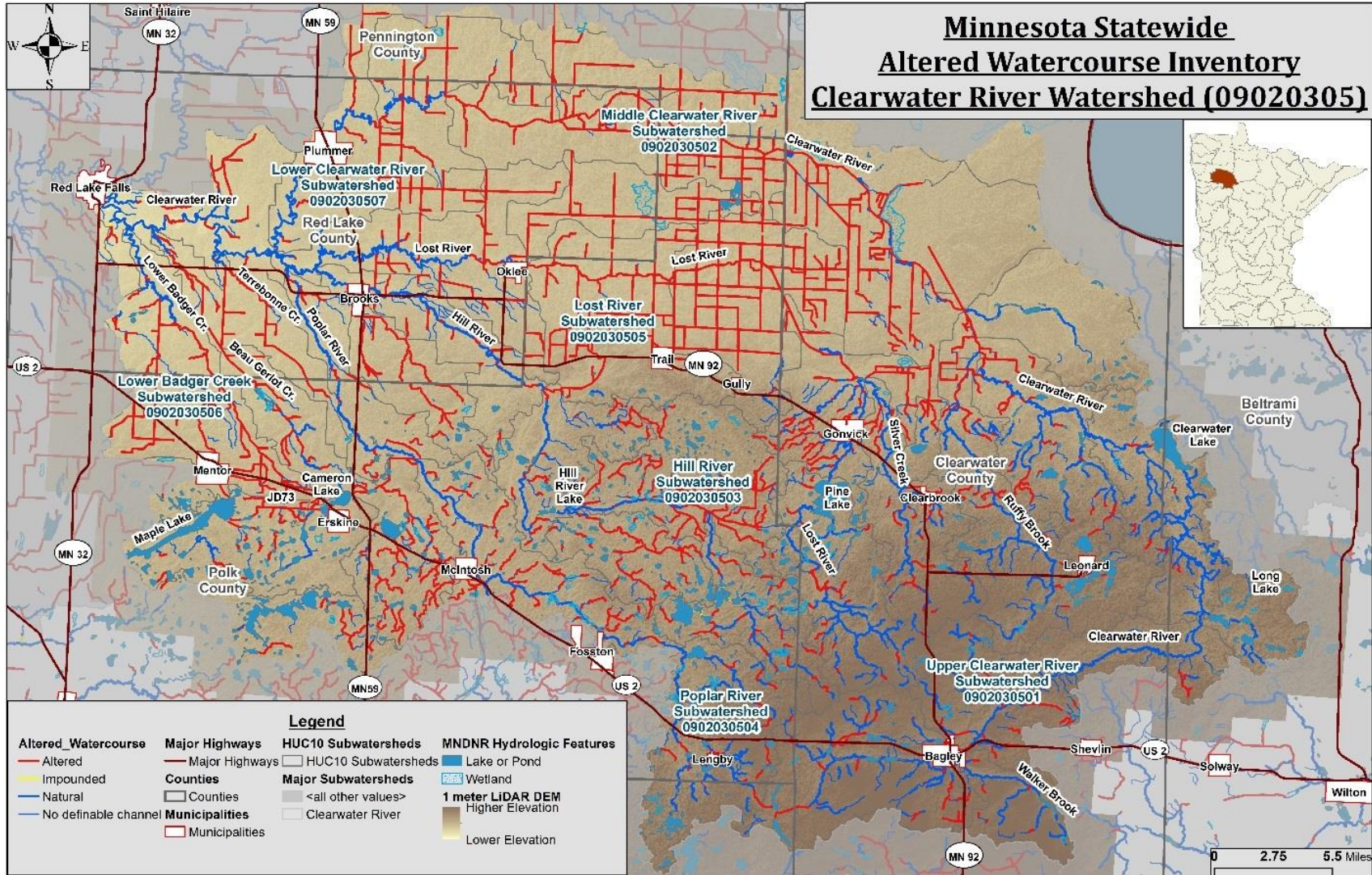
Clearwater River Watershed Restoration and Protection Strategy (WRAPS)

District staff edited the Clearwater River WRAPS report based on comments from an MPCA review of the spring 2019 version of the document. Some revisions were made to maps in the WRAPS report. New maps were created, based on a list of maps that were added by the MPCA to the final version of the Red Lake River WRAPS.

Comments were received from the U.S. Environmental Protection Agency on the Clearwater River Watershed Total Maximum Daily Load report.

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

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RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

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Upper Clearwater River (0902030501) HUC10 Subwatershed

Legend	
Major Highways	Lakes
Major Watersheds	Impaired Lakes (Nutrients)
All Other Watersheds	Assessed Streams (09020305-XXX)
HUC_8	Unassessed
Clearwater River Watershed	Impairment
HUC 10 Subwatersheds	Meets Standards, reclassified, or delisted
0902030501	E. coli
0902030502	Dissolved Oxygen
0902030503	E. coli, M-IBI
0902030504	Dissolved Oxygen, E. coli
0902030505	Dissolved Oxygen, Total Suspended Solids, E. coli
MNDNR Hydrologic Features	Dissolved Oxygen, F-IBI
Lake or Pond	Dissolved Oxygen, F-IBI, M-IBI
Wetland	Red Lake Nation
	Red Lake Nation

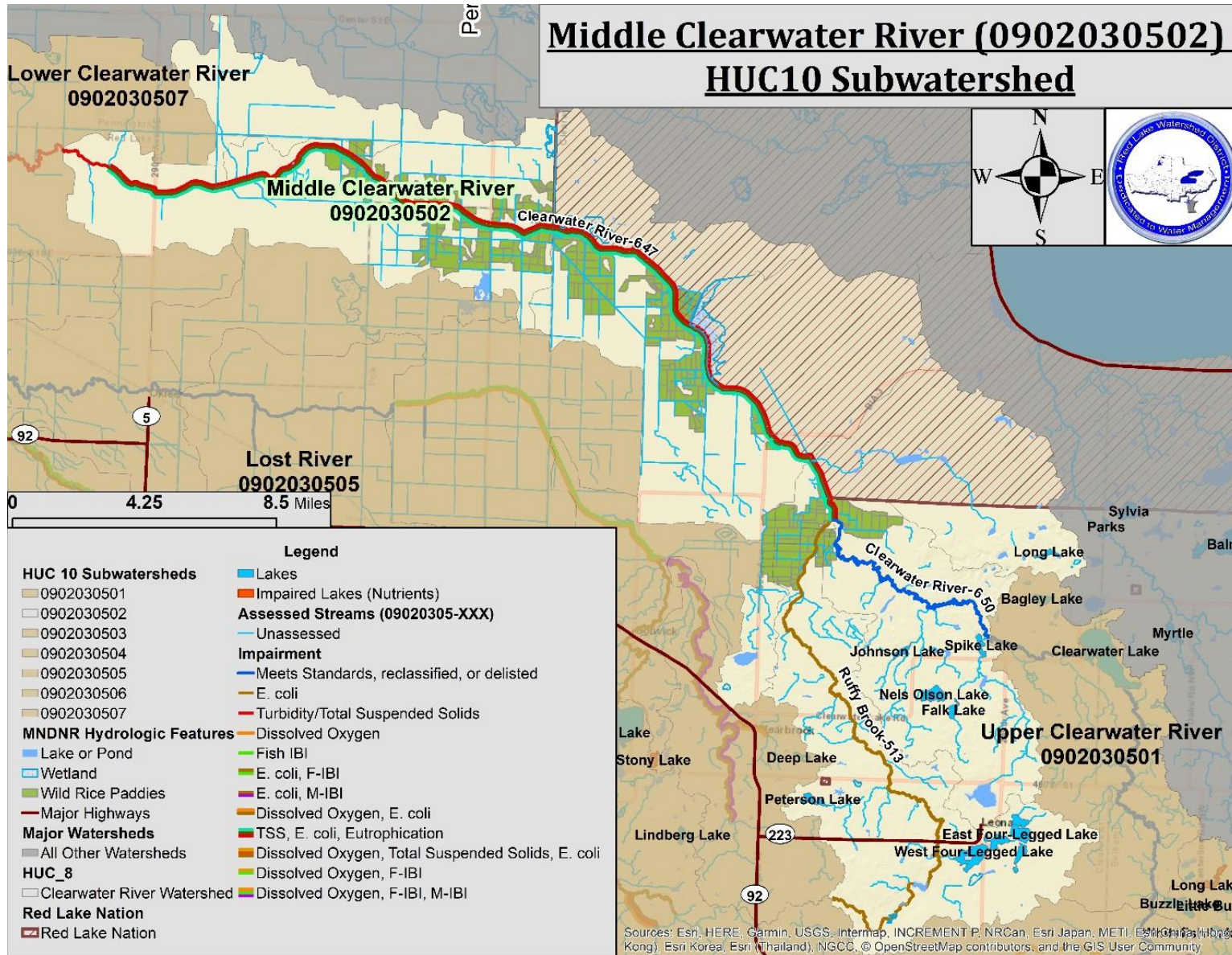


Sources: Esri, HERE, Garmin, USGS, Intermap, INC, Kong), Esri Korea, Esri (Thailand), NGCC, © OpenS

RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

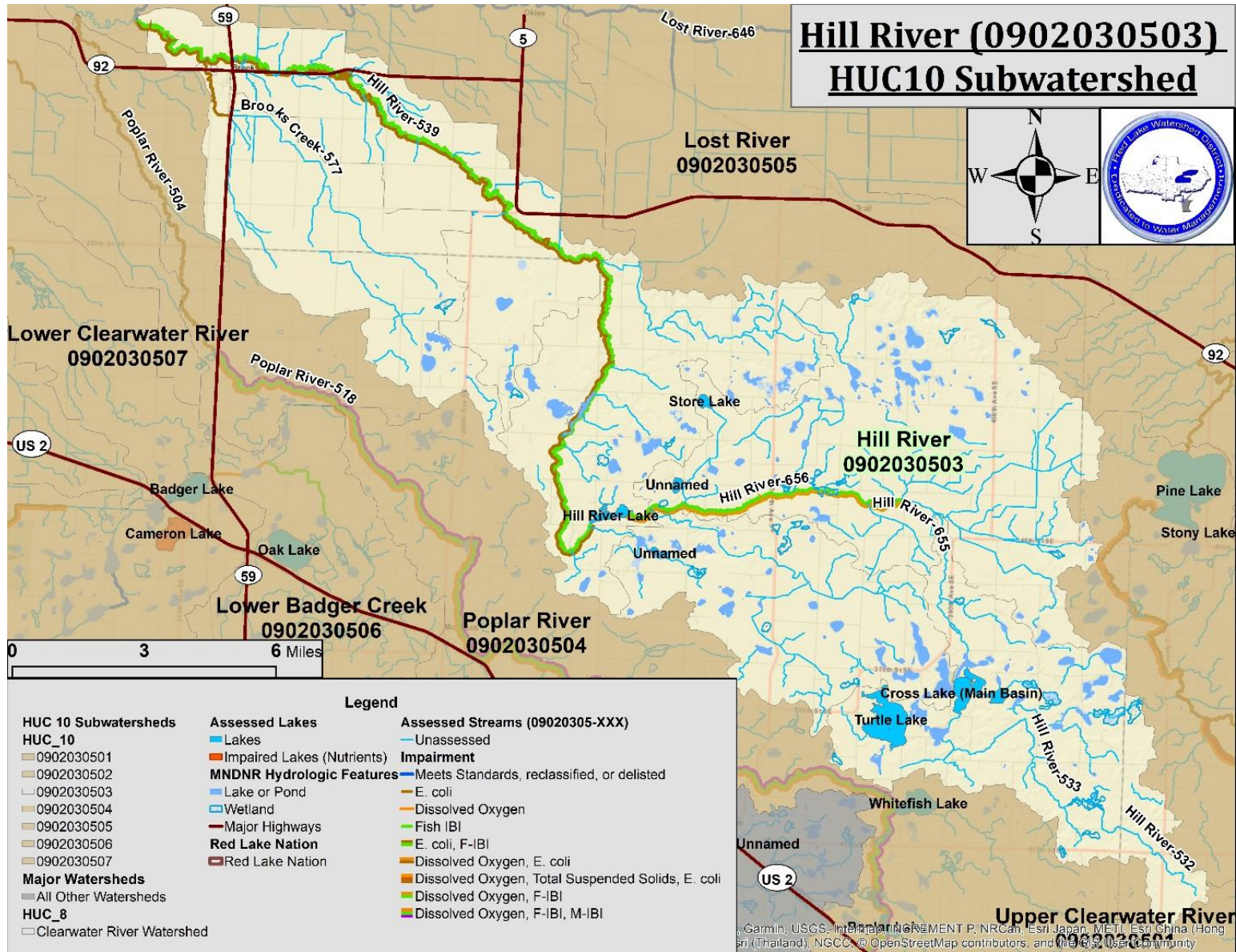
July 2020

Middle Clearwater River (0902030502) HUC10 Subwatershed



RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

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RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

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Lower Clearwater River (0902030507) HUC10 Subwatershed



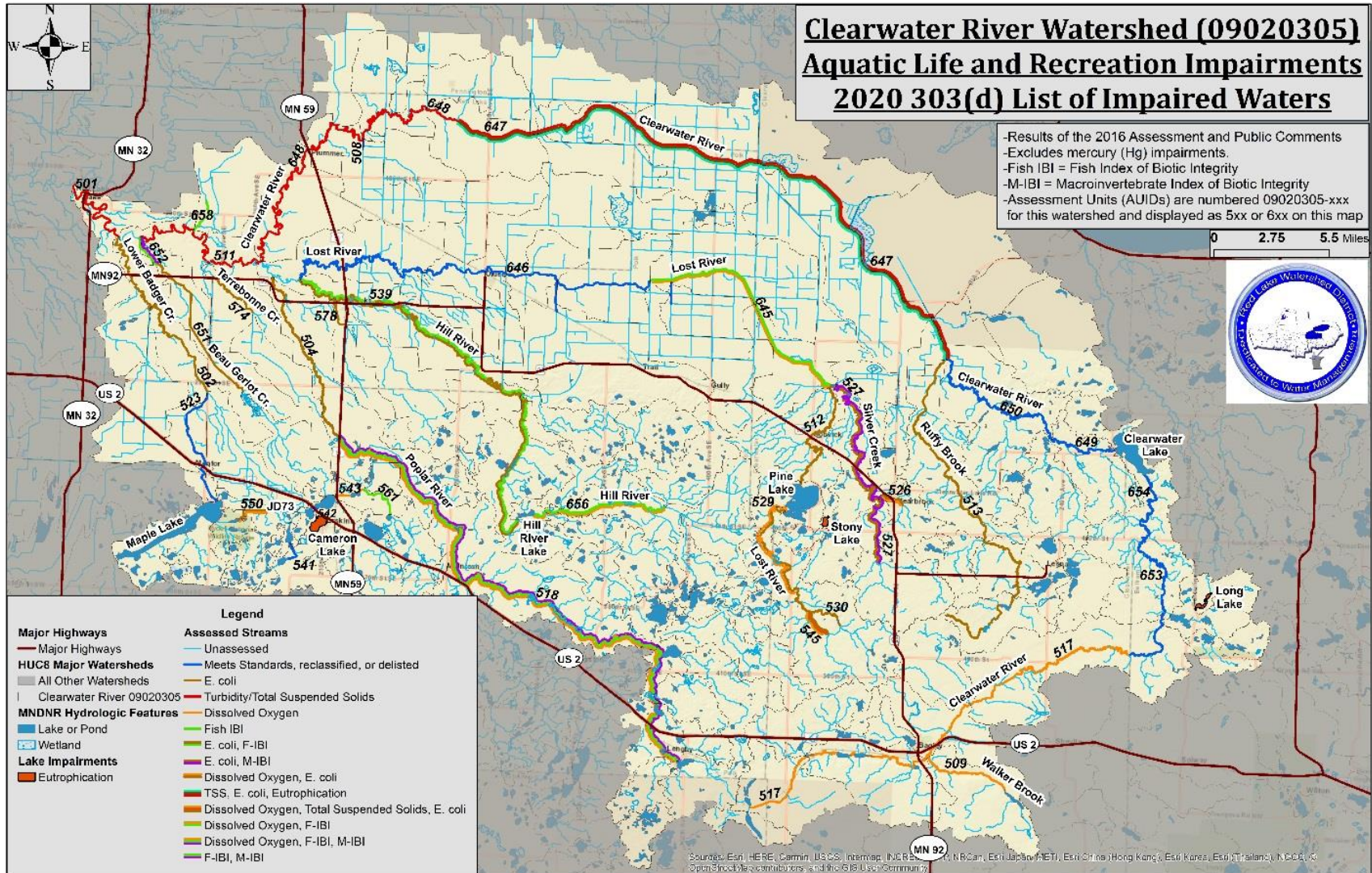
- Legend**
- HUC 10 Subwatersheds**
 - 0902030502
 - 0902030503
 - 0902030504
 - 0902030505
 - 0902030506
 - 0902030507
 - Major Watersheds**
 - All Other Watersheds
 - HUC 8**
 - Clearwater River Watershed
 - MNDNR Hydrologic Features**
 - Lake or Pond
 - Wetland
 - Assessed Lakes**
 - Lakes
 - Major Highways**
 - Assessed Streams (09020305-XXX)**
 - Unassessed
 - Impairment**
 - Meets Standards, reclassified, or delisted
 - E. coli
 - Turbidity/Total Suspended Solids
 - Dissolved Oxygen
 - Fish IBI
 - E. coli, F-IBI
 - Dissolved Oxygen, E. coli
 - TSS, E. coli, Eutrophication
 - Dissolved Oxygen, F-IBI
 - Dissolved Oxygen, F-IBI, M-IBI
 - F-IBI, M-IBI
 - Red Lake Nation**
 - Red Lake Nation



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

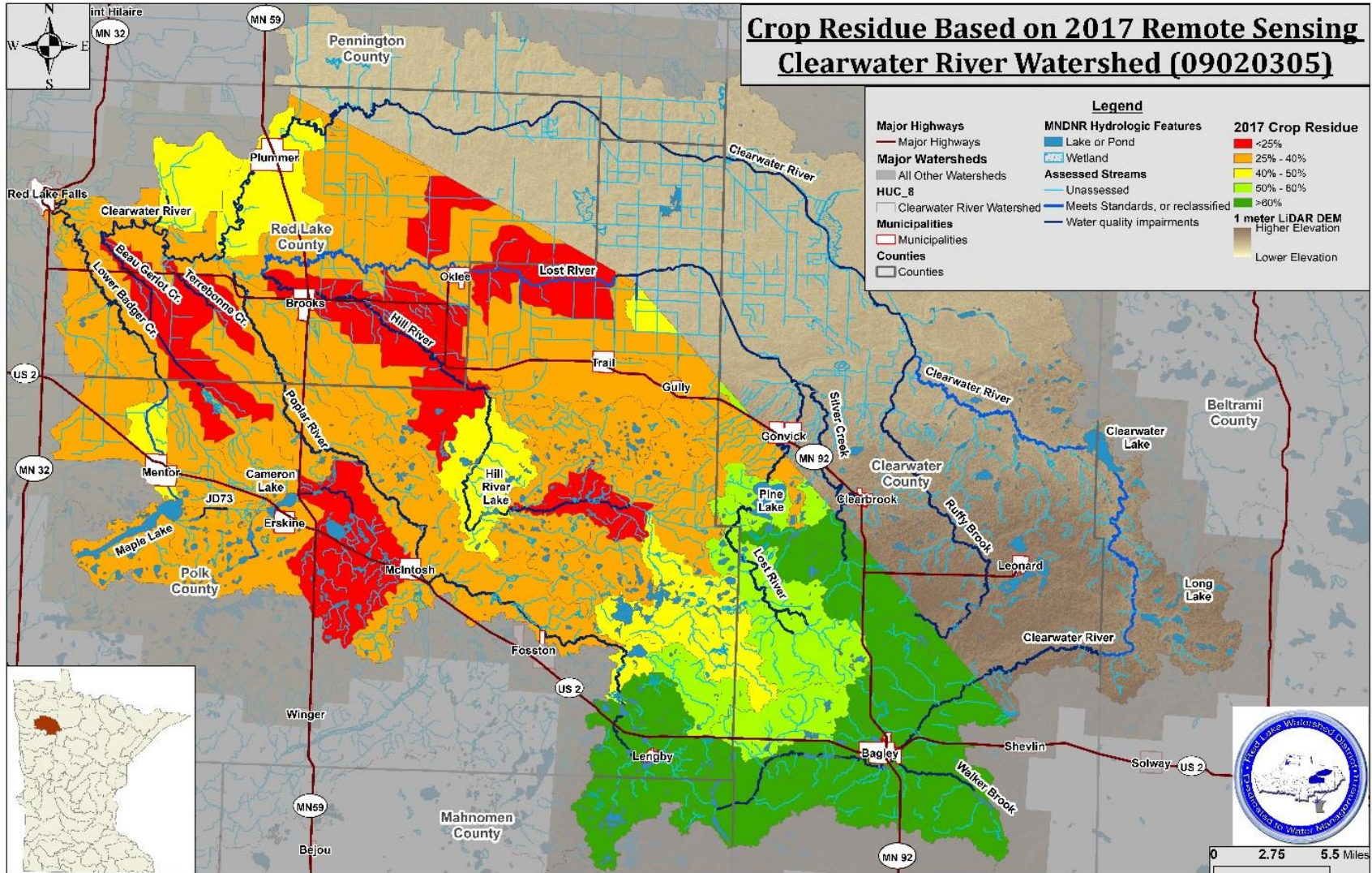
RED LAKE WATERSHED DISTRICT MONTHLY WATER QUALITY REPORT

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Red Lake River Watershed One Watershed One Plan (1W1P)

District staff reviewed a draft application for 319 Small Watersheds Focus grant funding to fund projects in priority subwatersheds of the Red Lake River. The application was prepared by Peter Nelson of the Pennington SWCD (1W1P Coordinator) and the Red Lake River 1W1P Planning Work Group and then officially submitted by the District (as the fiscal agent for the 1W1P).

Thief River One Watershed One Plan (1W1P)

District engineering staff began surveying for the grade and streambank stabilization project at the outlet of Judicial Ditch 23.

Other

- District staff finished editing an application for competitive Red River Watershed Management Board funding for water quality projects. This application sought partial funding for a project that will restore an oxbow wetland that has been filled with sediment from Thief River Falls stormwater runoff. The project will also install in-line hydrodynamic separator structures to remove garbage and sediment from stormwater, upstream of the planned pond restoration. A settling pond will also be constructed upstream of the oxbow wetland to reduce sediment runoff from a snow disposal site. A map was created for the application.
- District staff began working on a BWSR Clean Water Fund application for the Thief River Falls Oxbow Restoration Project.
- The Red Lake River Corridor Enhancement Joint Powers Board put together a grant application to fund a series of events and initiatives that will connect people with the outdoors.
 - Creation of a media library containing professional photographs, video clips, studio produced video stories, written testimonials, memes and high-quality branded graphics. And implementation of a coordinated marketing campaign using media and branded materials for 5 years following GMRPTC dollars have been expended.
 - Plan, market, organize and deliver on 12 events over the course of 2 years in the six cities that are members of the Joint Powers Board. Thief River Falls, St. Hilaire, Red Lake Falls, Crookston, Fisher and East Grand Forks. Each city will host one event per year and all events will be cross- promoted throughout the entire region.
 - Comprehensive and intentionally inclusive advertising campaign to attract new and existing audiences to take part in activities associated with the Red Lake River, both on the water and on land in close proximity to the Water Trail, so users can enjoy the beauty and splendor of the Red Lake River. Develop messaging around water safety, active living, mental health and community pride.
 - Document accurately and consistently, the attendance of each event, noting the ratio of diverse populations and first-time users of the River as an asset. Polling, interviews, registrations etc. Document the reaching of marketing materials through digital analytics and distribution statistics from printed materials used and disseminated to schools, businesses, organizations, through mailings and at large events.

Water quality related notes and minutes from the July 9, 2020 Red Lake Watershed District Board of Managers meeting.

- The Board reviewed a MPCA 319 Grant Proposal Workplan for the Red Lake River Targeted Watershed Grant-Phase 1, for the Red Lake River 1W1P, RLWD Project No. 149. Administrator Jesme stated that as part of the grant, the District would be required to be the Fiscal Agent. Motion by Ose, seconded by Dwight, to approval the proposed Workplan with the District being the Fiscal Agent for the MPCA Section 319 Grant for the Red Lake River Targeted Watershed Grant-Phase 1, Red Lake River 1W1P, RLWD Project No. 149. Upon roll call vote, motion carried unanimously.

Water quality related notes and minutes from the July 23, 2020 Red Lake Watershed District Board of Managers meeting.

- Engineer Mike Flaagan, Pennington County Highway Department appeared before the Board to discuss Pennington County Ditch No. 96 outlet stabilization project, located south of St. Hilaire. Flaagan stated that the estimated project cost will be \$205,676.00 and that a portion of funding for the project will come from a Clean Water Fund grant that the Pennington SWCD received from BWSR, through an unused grant the Red Lake SWCD received, as well as a local match using ditch funds. Flaagan requested that the District apply for a grant through the RRWMB Water Quality Program Funding in the amount of \$26,313.00. There was considerable discussion concerning additional stabilization of the system which could be considered in the future. Motion by Ose, seconded by Tiedemann, to approve the request for submittal of a Grant Application to the RRWMB in the amount of \$26,313.00 for a bank stabilization project at the outlet of Pennington County Ditch No. 96. Upon roll call vote, motion carried unanimously.
- Thief River Falls Oxbow project was presented to the RRWMB for funding. The RRWMB sent the project to the Water Quality Committee for review. The District also requested the \$100,000 RRWMB Water Quality Allocation for the installation of side water inlet pipes and rock structures for the proposed Black River Impoundment Project and side water inlets for RLWD Ditch 16 that were not previously funded.

July 2020 Meetings and Events

- **July 9, 2020** – Conference call to discuss potential projects in Beltrami County, including stabilization of the Moose River and if there is any way to control extreme erosion that occurs along the south shore of Upper Red Lake.
 - Moose River stabilization
 - The Beltrami County Highway Department Engineer might be able to survey the Moose River, for approximately \$15,000.
 - The scope of the project was discussed. The channel degradation is occurring throughout the reach between Moose River Road and CSAH 54. So, the stabilization work might be needed along that entire reach.
 - Use 1W1P technical and engineering funds to pay for the survey.
 - Apply for RRWMB baseline water quality funding, next year, to fund the survey.
 - Have conversations with landowners. Discuss what the project may look like. A couple landowners have already expressed openness to projects.
 - Apply for Lessard-Sams funding for the actual construction.
 - Upper Red Lake Shoreline Protection
 - There is a lot of erosion along the south shore due to high water levels and powerful wave action on the large lake. The erosion happens on a regular basis
 - It is a big, shallow, sandy lake.

- The waves are so powerful that it is difficult to find a solution that works. There was concern that vegetation, planted to stabilize the shoreline, would just get washed away.
 - A previous rock rip-rap stabilization project also failed because the waves eroded the land behind the rip rap and to the sides of the rip-rap.
 - The erosion's effect on water quality is unclear.
- **July 10, 2020** - District staff met with a Maple Lake lakeshore resident to hear concerns about water quality and land use in and around the lake.
- **July 14, 2020** – Thief River 1W1P Policy Committee (PC) meeting
 - The PC reviewed and approved the minutes from the last meeting.
 - Review of the annual work plan
 - Discussion about the name of Judicial Ditch 23 (“County Ditch vs “Judicial Ditch”). Available documentation and maps show that it is indeed “Judicial Ditch 23.”
 - Agenda items were passed.
 - Review of a project checklist
 - Ashley Hitt presented on the creation of PTMApp (Prioritize, Target, and Measure Application) layers to prioritize areas for targeted project implementation in each subwatershed. The layers were created using tools that were developed by Henry Van Offelen of the Board of Water and Soil Resources. Ashley did a good job of answering questions regarding the concept of using a model to make objective predictions about which areas are contributing the sediment and nutrients.
- **July 20, 2020** – Pennington County Water Resources Advisory Committee
 - County Ditch 96, 21, and 16 Gully Control and Buffer Implementation project update
 - 11 side water inlets were installed last fall. There was a small window for contractors to get them installed due to last fall's rainfall events.
 - Ditch Outlet Analysis
 - Northland Community and Technical College has completed at least two drone flights for each of the ditch outlets that are being analyzed. The third round of flights has begun. High water has caused delays.
 - The college has been processing data as it has been collected.
 - The SWCD anticipated that the flights would be completed in August so that the calculation of sediment loss can begin.
 - Thief River PTMApp
 - Ashley Hitt is working on the Targeted Implementation Report. Peter Nelson and Ashley hit met to put together an outline for the report.
 - Shapefiles are being created to prioritize catchments and prioritize practices within those catchments.
 - Pennington County Ditch 96 Outlet Stabilization
 - HDR Engineering has been working on survey, design, and geotechnical work.
 - Groundwater has been affecting streambanks stability.
 - The BWSR grant funding will be a little less than what is needed. The SWCD will look for other sources of funding
 - Thief River Falls Streambank Stabilization Projects
 - Design work has begun for the streambank stabilization project in Hartz Park. The construction was initially planned for this year but will more likely be done next year.

- Cover Crop and Grade Stabilization – Lower Thief and JD 30/18/13
 - Funded by a \$256,000 2020 Clean Water Fund grant, the project will implement 5,000 acres of cover crop and at least 60 side water inlets in the Lower Thief River and Judicial Ditch 30/18/13 subwatersheds. Implementation of cover crop is being encouraged by boosting the cost-share rate for landowners that install BMPs.
 - 75% base cost-share rate for the installation of side water inlets
 - 90% cost-share for combine implementation of side-water inlets and cover crops (extra incentive for cover crop)
- Cooperative Weed Management Area grant
 - Report locations of invasive weeds to the SWCD (Bryanna Greffthen)
- New Clean Water Fund Grant ideas
 - Discussion of erosion along Pennington County Ditch 96, upstream of the railroad crossing, 0.2 miles west (upstream) of Highway 32. The erosion isn't visible from the highway due to the railroad grade, but aerial photos show that almost the entire south bank of the ditch is failing between the railroad and the upstream "Y" confluence (approximately 550 yards).
- One Watershed One Plan Updates
 - There were 10 application in Pennington County for Red Lake River 1W1P RCPP-funded projects (windbreaks and grazing plans).
 - Work will begin on the Thief River 1W1P projects. The plan was approved by BWSR in March, all 7 LGUs have adopted the plan, and the watershed-based funding grant has been executed. The outlet of Judicial Ditch 21 will likely be one of the first projects to be completed.
 - Local staff worked together to submit an application for BWSR funding to develop a 1W1P for the Clearwater River Watershed. BWSR staff reported that there was funding available for 5 plans and 9 applications were submitted.
(Note: The Clearwater River Watershed 1W1P application was successful!)
- SWCD staff have been working on buffer compliance checks. One corrective action notice was sent last fall.
- Geologic Atlas: well locations deep well boring records, and Minnesota geologic survey information is being compiled.
- The Pennington SWCD began water quality sampling in April and found extremely high turbidity in the Black River and at the outlet of Pennington County Ditch 70.
- Tree sales were slower this year (about 5,000 trees were sold).
- The SWCD has been working on WCA-related permitting for the Black River Impoundment.
- Events for the county's AIS prevention program have been canceled, but the SWCD was able to renew a billboard lease, renew a sponsorship for Lindner Angling Buzz, and deploy stationary zebra mussel samplers in the Red Lake River.
- The Pennington County Highway Department is working on bridge construction (Mark Boulevard). Abutments are being installed and they might be able to start on the deck of the bridge soon. Curb and gutter for the roundabout near Challenger Elementary School will be completed soon. They want to get the roundabout completed before school starts. Ditch cleaning is occurring along Judicial Ditch 13, north of Goodridge. There are

plans to clean Pennington County Ditch 41 by Highlanding, complete additional cleaning of Judicial Ditch 13, and clean along Pennington County Ditch 96.

- United States Fish and Wildlife Service staff at Agassiz National Wildlife Refuge have collected three sets of samples during runoff events. A new biologist will start working at the refuge in October. The refuge office and outhouses are closed, but the trails are open. Discussion of surveying for the Mud River remeandering project (Thief River 1W1P) could start in October when the new biologist is added to the refuge staff.

July 21, 2020 – Red River Watershed Management Board meeting

- District staff presented an application for baseline funding for side water inlets along RLWD Ditch 16 and within the drainage area of the Black River Impoundment.
 - District staff and HDR Engineering staff presented an application for competitive water quality funding for the Thief River Falls Oxbow Restoration Project.
 - A board member commented that these were good projects for RRWMB water quality funding because they have a FDR component (even if it is small in the case of the oxbow restoration project).
- **July 24, 2020** – Public hearing for the Polk County Ditch 39 improvement – all staff helped with cleaning the garage, seating setup, attendee sign-in, cleanup, etc.
 - **July 29, 2020** – Webex conference to discuss the 2020 Virtual Northwest Minnesota Water Festival
 - Packets for the teachers and students with lessons, activities, and instructions.
 - Informational videos to go along with each station’s lesson (either a video that already exists or a new video that is created locally).
 - Teachers would show the video, then the kids would do the activities.
 - Materials list – materials will be provided to classes, along with the packets.
 - Discussion about who will put together the lesson and video for each station.
 - Discussion about video editing and different software options.
 - Heather Donaho, Kittson County SWCD, took the lead in organizing the virtual event. She has experience with creating educational videos that are shared on the SWCD’s Facebook page.
 - Discussion of ideas for activities that would fit the learning format.
 - **July 29, 2020** – District and City of Thief River Falls staff met to discuss details of the Thief River Falls Oxbow Restoration Project and an application for BWSR Clean Water Funding

Red Lake Watershed District Monthly Water Quality Reports are available online:

<http://www.redlakewatershed.org/monthwq.html>.

Learn more about the Red Lake Watershed District at www.redlakewatershed.org.

Learn more about the watershed in which you live (Red Lake River, Thief River, Clearwater River, Grand Marais Creek, or Upper/Lower Red Lakes) at www.rlwdwatersheds.org.

“Like” the Red Lake Watershed District on [Facebook](#) to stay up-to-date on RLWD reports and activities.