

RED LAKE WATERSHED DISTRICT

August 22, 2019

Agenda

9:00 a.m.

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	August 8, 2019 Minutes	Action
	Financial Report dated August 21, 2019	Action
	Investment Summary	Information
	Release of Pledging-American Federal Bank	Action
	Proposed 2020 Special Revenue Projects Levy	Action
	Euclid East, RLWD Project No. 60C-Rental Payment	Info./Action
9:30 a.m.	2020 General Fund Budget Hearing	Action
	Ditch 16, RLWD Project No. 177	Information
	Thief River Falls Westside FDR Project, RLWD Project No. 178	Information
	Black River Impoundment, RLWD Project No. 176	Information
	Beltrami County Aerial Imagery	Info./Action
10:00 a.m.	Beltrami SWCD-Moose River SWI	Info./Action
	Schirrick Dam, RLWD Project No. 25-Access Gates	Information
	RLWD Permit No. 19111-Guy Useldinger	Action
	Permits: No. 19115 - 19118	Action
	Administrators Update	Information
	Legal Counsel Update	Information
	Managers' updates	Information
	Adjourn	Action

UPCOMING MEETINGS

September 2, 2019	Office Closed-Labor Day
September 12, 2019	RLWD Board Meeting, 9:00 a.m.
September 12-13, 2019	MAWD/MASWCD Governance 101 Conference, Bloomington
September 26, 2019	RLWD Board Meeting, 9:00 a.m.
October 10, 2019	RLWD Board Meeting, 9:00 a.m.

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
August 8, 2019

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

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

The Board reviewed the agenda. President Nelson requested the addition of an Executive Session be added to the agenda to allow the Board to discuss staff salaries. A motion was made by Dwight, seconded by Ose, and passed by unanimous vote that the Board approve the agenda with the addition of an Executive Session. Motion carried.

The Board reviewed the July 25, 2019 minutes. Motion by Torgerson, seconded by Dwight, to approve the July 25, 2019 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated August 7, 2019. Motion by Sorenson, seconded by Torgerson, to approve the Financial Report dated August 7, 2019 as presented. Motion carried.

The Board reviewed the Investment Summary as of August 7, 2019. Staff member Arlene Novak stated that the next Certificate of Deposit is set to mature on September 5, 2019.

Staff member Arlene Novak stated that she, along with Administrator Jesme, participated in a conference call with Bremer Bank regarding the potential of a Money Market Account and short-term investments. Novak stated that Bremer Bank is currently offering 2.2% on their money market accounts, which could fluctuate with the market. The District is currently earning 1.59% at American Federal Bank. Motion by Ose, seconded by Sorenson, to invest \$2.3 million into a Bremer Bank Money Market Account. Motion carried.

Staff member Arlene Novak reviewed the District's 2019 Market Value/Tax Capacity Work Papers.

Staff Member Arlene Novak reviewed the 2020 Market Value Work Paper at 75%, which is what the RRWMB set the maximum levy amount for 2020. Novak also prepared the 2020 Market Value Work Paper at 100% as a comparison.

Administrator Jesme stated that our local Wetland Conservation Act (WCA) administrator is prepared to give the District a permit for RLWD Ditch 16, RLWD Project No. 177, but is still waiting to hear from staff from the U.S. Army Corps of Engineers (Corps). Details on the culvert on Highway 220 have been worked out with the Minnesota Department of Transportation (MnDOT), but we will still need to get a MnDOT Inspector to Devils Lake, ND, while the

culvert is being built. Jesme also indicated that CenturyLink has not responded to the correspondence submitted to them August 1, 2019; therefore, the District has not received an updated cost estimate for utility relocation. It was the consensus of the Board to have Legal Counsel Sparby submit a letter of intent to proceed with the project, stating that the project will be moving forward. Administrator Jesme will try to contact CenturyLink once more.

Engineer Nate Dalager, HDR Engineering, Inc., updated the Board on the Thief River Falls Westside FDR Project, RLWD Project No. 178. Dalager indicated that there are some MnDOT administrative agreements to work through, that are required in order to procure funding for the box culverts. Dalager noted that the WCA permit should be received by the end of August, and he is waiting to hear on the Corps and FAA permit. Dalager indicated that Advertisement for Bids will take place later this fall once all the permits are obtained.

Administrator Jesme stated that a meeting with the Viewers and Engineers for the Improvement to Polk County Ditch 39, RLWD Project No. 179, will be held on August 15, 2019.

Engineer Tony Nordby, Houston Engineering, Inc., stated that he and two wetland specialists from Houston Engineering will participate in a conference call on August 9, 2019, with agency staff representing local WCA, BWSR and Corps staff representing the Technical Evaluation Panel regarding wetland impacts and indirect impacts on the diversion ditches for the Black River Impoundment, RLWD Project No. 176. Nordby stated that the Shoreline Permit and MPCA Storm water permit have been submitted. Nordby noted that presently we are waiting on the Corps and WCA permits.

Engineer Tony Nordby, Houston Engineering, Inc., stated that he reviewed the information his office had on the outlet for RLWD Ditch 10, Project No. 161. Nordby stated that it appears the information contained conceptual ideas for consideration, but no hydraulics were looked at. Motion by Page, seconded by Ose, to direct Houston Engineering, Inc. to develop plans for repair of the RLWD Ditch 10, Project No. 161 Outlet. Motion carried.

Summer staff, Marisa Newton, updated the Board on the Clearwater River Watershed Culvert Inventory Project that she has been working on. Newton stated that she identified culverts within the Clearwater River through GIS, and when necessary would go out to ground truth the location of the culverts. This process allows the District to know establish where the water is going, timing of water coming off the lands and measure the benefits of a project that could work within that subwatershed. Newton is also assisting in water quality sampling this summer. Manager Dwight asked staff if they were measuring culvert sizes at the same time while field truthing? Ashley Hitt indicated that when they started the project, they were trying to get sizes but soon realized time would not allow this to be completed within the budget and timeframe.

Engineer Nate Dalager, HDR Engineering, Inc., and staff member Nick Olson, discussed the emergency spillway on the Brandt Impoundment, RLWD Project No. 60D. Dalager will obtain additional information on the installation of a berm and screw gates and report back to the Board.

Staff member Nick Olson requested that the Board table RLWD Permit No. 19093, Doug Barth, North Township, Pennington County, to allow the landowner to petition into a county ditch system that they currently do not pay benefits into. Motion by Torgerson, seconded by Page, to table RLWD Permit No. 19093, Doug Barth, North Township, Pennington County. Motion carried.

Motion by Tiedemann, seconded by Torgerson, to approve the following permits with conditions stated on the permit: No. 19091, Melanie Glass, Grove Park Township, Polk County; No. 19092, David Faivre, Terrebonne Township, Red Lake County; No. 19094, David Zubrod, Badger Township, Polk County; No. 19096, Merlyn Perreault, Terrebonne Township, Red Lake County; No. 19097, Valiere Gagnon, Gervais Township, Red Lake County; No. 19098, Darrell Payment, Gervais Township, Red Lake County; No. 19099, Darrell Payment, Terrebonne Township, Red Lake County; No. 19100, Bruce Mattson, North Township, Pennington County; No. 19101, Carolyn Faivre Trust, Terrebonne Township, Red Lake County; No. 19102, Carolyn Faivre Trust, Terrebonne Township, Red Lake County; No. 19103, Pennington County Highway Department, Smiley Townships, Pennington County; No. 19104, Pennington County Highway Department, Highlanding Township, Pennington County; No. 19105, Pennington County Highway Department, Deer Park Township, Pennington County; No. 19106, Pennington County Highway Department, Kratka Township, Pennington County; No. 19107, Pennington County Highway Department, River Falls Township, Pennington County; No. 19108, Diane Arreola, Reiner Township, Pennington County; No. 19109, Bryan Grove, Wyandotte Township, Pennington County; No. 19110, Qwest, d.b.a. Centurylink, North Township, Pennington County; No. 19112, Richard Goodyke, Parnell Township, Polk County; No. 19113, Dennis Nikolayson, Knute Township, Polk County; and No. 19114, Alex Engelstad, Russia Township, Polk County. Motion carried.

The Board reviewed quotes from Marco for installation of video equipment, televisions, projector and screen in the District Board room. It was the consensus of the Board, to authorize staff to research additional information and report back to the Board.

Administrator Jesme stated that the District office was struck by lightning on July 25, 2019, which took out several computers, switches and internet in the office. Staff filed an insurance claim and are working on quotes to replace the damaged equipment.

The Board reviewed the draft 2018 Annual Report.

Administrators Update:

- Jesme and Manager Ose will attend the August 20, 2019 RRWMB meeting in Ada.
- Included in the packet was the BWSR August 2019 article on “Buffer Law Flexibility Yield Results”.
- Included in the packet is a memo from MAWD requesting nominations for the 2019 MAWD Awards Program/Project of the Year. Jesme will participate in a telephone conference with other Watershed District Administrators for a brainstorming session that

we can put into place to proactively combat legislation that would be unfavorable to watershed districts.

- Quotes were opened for the West Polk SWCD Burnham Creek Project using “Highway Heavy” Prevailing Wages that were omitted from the previous specification. The low quote was submitted by Wright Construction of TRF and was about 10% higher than their previous quote.
- The Thief River 1W1P Policy and Advisory Committee’s met on August 31, 2019 to review the draft plan. The Policy Committee approved all changes and voted to move the plan forward for the 60-day review period.
- Jesme received a call from Kip Hanson, lobbyist for the International Labor Union of Operators located in Minneapolis. Mr. Hanson would like to be on a future District meeting agenda to discuss prevailing wages.
- Included in the packet was the April 2019 Water Quality Report.

Legal Counsel Sparby presented information on Prevailing Wages.

The Board met in Executive Session to review the 2020 staff salaries.

Motion by Dwight, seconded by Torgerson, to set the Budget and Salary and Employer Health Insurance contribution effective as of January 1, 2020 as follows: Employer health contribution for a single policy, \$500.00; Employer health contribution for a family policy, \$1,250.00; Administrator salary, \$90,962.00; Accounting Officer Salary, \$61,763.00; Office Manager Salary, \$53,853.00; Water Quality Coordinator, \$65,716.00; Natural Resource Technician Salary, \$48,863.00; Engineering Technician II/Ditch Inspector Salary, \$48,309.00; Engineering Specialist-\$52,022.00; with all wage salary to be set as of January 1, 2020, and also said set salary to be adjusted with a 1.5% COLA, which would set the final salary amounts for 2020. Motion carried with Manager Sorenson opposed.

Motion by Manager Dwight, seconded by Manager Sorenson to adjourn the meeting. Motion carried.

Terry Sorenson, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for August 21, 2019

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,205.54
online	MN Department of Revenue	Withholding taxes	759.23
online	Public Employees Retirement Assn.	PERA contributions	2,752.99
online	EFTPS	Withholding for FICA and Medicare	130.04
online	MN Department of Revenue	Withholding taxes	58.25
online	EFTPS	Withholding for FICA and Medicare	252.74
37659	Ameripride Services Inc.	Office rug rental	41.45
37660	Baker Street Sales	Rental of bus for TR Westside FDR tour	150.00
37661	Brault Construction LLC	Remove culvert traps, straighten ends of culvert, install gates	1,450.00
37662	Delta Dental	Dental insurance premium	437.45
37663	Emmons & Olivier Resources, Inc.	RLWD website-format water quality changes	144.00
37664	The Exponent	2020 General Fund Budget hearing ad	261.82
37665	Extreme Computer Systems	Consult on lightning damages to accounting computer, replace computer	143.44
37666	Farmers Publishing Company	2020 General Fund Budget hearing ad	87.76
37667	Farmers Union Oil Company	Gas for vehicles	665.31
37668	Garden Valley Technologies	Monthly maintenance	125.25
37669	Garry Gravel	*Mowing various ditch systems-see below	16,875.00
37670	GCR Tires & Services	Repair flat tire on pickup	25.00
37671	Higher Ground	Clean beaver dam-Proj. 60FF	480.00
37672	Houston Engineering, Inc.	Engineering fees for Black River Impoundment	2,775.75
37673	Hudson Electric LLC	Electrical repair due to lightning strike	93.70
37674	Hugo's #7	Meeting expense for various meetings and building maint.supp.	351.66
37675	Ihle Sparby & Haase PA	**Legal services	7,197.32
37676	Landman Publishing, LLC	2020 General Fund Budget hearing ad	331.20
37677	Lindholm Welding Inc.	Repair flapgates-Proj. 166	99.73
37678	RRWMB	Additional 1st half of taxes collected	322,129.47
37679	Marco	***See explanation below	3,375.61
37680	MCI	Long distance telephone expense	61.64
37681	NCPERS	Life insurance premium	128.00
37682	Dale M. Nelson	Mileage	26.68
37683	Northwest Beverage, Inc.	H2O for office	43.75
37684	Northwestern Mutual Financial	Deferred Compensation	447.90
37685	Oil Boyz Express Lube	Oil Change on 2019 Chev. Pickup	88.07
37686	Olson Construction	****Mowing various ditch systems-see below	12,870.00
37687	The Pioneer	2020 General Fund Budget hearing ad	216.00
37688	Purchase Power	Postage	301.50
37689	Rinke Noonan	*****Legal fees-see below for explanation	694.50
37690	RMB Environmental Laboratories	Lab analysis of water quality samples	3,883.00
37691	Ryan's Backhoe Service, LLC	Add 30" culvert-Proj. 31	420.00
37692	Tony Salentine	Impoundment operations Euclid East, Brandt & Parnell & 3 beaver	4,565.00
37693	Dennis Schulz	Mow and spray Brandt Impoundment and remove 1 beaver	555.00
37694	Christina Slowinski	Per diem meals-Ditch Inspector meeting	46.00
37695	Speedee Delivery	Shipment of water quality samples	14.36
37696	TD Ameritrade Trust Company	Deferred Compensation	928.12
37697	Gene Tiedemann	Mileage	351.48
direct	Al Page	Mileage	102.08
direct	Les Torgerson	Mileage and per diem meals	272.10
direct	Aflac	Staff paid insurances	699.00
direct	Cardmember Services	*****See explanation below	2,575.83
	Payroll		
	Check #11731-11743		13,807.25
	Total Checks		\$ 408,496.97

* Garry Gravel	
Proj. 7 RLWD Ditch 3	1,575.00
Proj. 43B Burnham Creek	8,850.00
Proj. 117 Johnson Petition	600.00
Proj. 119 Polk Co. Dt. Improvements	4,500.00
Proj. 123 Baatz Petition	450.00
Proj. 161 RLWD Ditch 10	<u>900.00</u>
Total	16,875.00

** Ihle Sparby Haase PA	
Proj. 01 Admin.	4,774.00
Proj. 102 Four Legged Lake	852.50
Proj. 102 Four Legged Lake-expense:	454.82
Proj. 177 Ditch 16	882.00
Proj. 178 TR Westside FDR	<u>234.00</u>
Total	7,197.32

**** Marco	
MS Office 365 monthly	187.50
MS Office 365 monthly-June	175.00
Cisco Meraki Cloud managed 24 port	2,681.15
Meraki license and support-1 yr.	131.96
Labor to install Miraki	<u>200.00</u>
Total	3,375.61

**** Olson Construction	
Proj. 5, RLWD Ditch 1	1,140.00
Proj. 20 RLWD Ditch 7	1,860.00
Proj. 36 Ditch 8	420.00
Proj. 41 JD 72	480.00
Proj. 49 Main JD 2	660.00
Proj. 81 Parnell Impoundment	4,560.00
Proj. 109 Arveson Ditch	1,020.00
Proj. 113 Winsor Hangaard	1,320.00
Proj. 115 Equality Ditch 1	540.00
Proj. 122 Challenger Ditch	450.00
Proj. 170A RLWD Ditch 13	<u>420.00</u>
Total	12,870.00

***** Rinke Noonan	
Proj. 01 Monthly legal retainer	200.00
Proj. 178 TRF Westside FDR	219.50
Proj. 179 Improv.to PC Dt. #39	<u>275.00</u>
Total	694.50

***** Cardmember Services	
AT&T Cell phone bill	410.53
Eureka Water Probes-repair probes	272.93
Engineer Supply- 20 Stream gages	1268.05
L&M Fleet Supply-cordless blower and	221.22
Science First-Beta Plus bottle	<u>403.10</u>
	2575.83

Banking**Northern State Bank**

Balance as of August 7, 2019	\$ 422,867.34
Total Checks Written	(408,496.97)
Receipt #414597 Transfer in from American Federal Bank	<u>200,000.00</u>
Balance as of August 21, 2019	<u><u>\$ 214,370.37</u></u>

Border State Bank

Balance as of June 30, 2019	\$ 18,250.21
Receipt #414591 Border State Bank-Monthly interest	<u>9.27</u>
Balance as of July 31, 2019	<u><u>\$ 18,259.48</u></u>

American Federal Bank-Fosston

Balance as of August 7, 2019	\$ 6,022,209.16
Receipt #414594 Unity Bank-Monthly interest on CD	391.06
Receipt #414595 Red Lake County-2019 HUD PILT	147.80
Receipt #414596 Beltrami County-Public hunting	296.05
Receipt #414597 Transfer to Northern State Bank	(200,000.00)
Receipt #414598 Wire fee for transfer of money to Bremer Bank	(20.00)
Receipt #414598 Transfer to Bremer Bank	<u>(2,300,000.00)</u>
Balance as of August 21, 2019	<u><u>\$ 3,523,024.07</u></u>

Red Lake Watershed District
as of August 21, 2019

<u>Name of Institution</u>	<u>Purchase/ Current Value</u>	<u>Int. Rate</u>	<u>Mat. Date</u>	<u>*Maturity Amount</u>
10010 Northern State Bank (checking)	\$ 214,370.37	0.70%		\$ 214,370.37
10020 Border State Bank (Investor savings) Thief River Falls	\$ 18,259.48	0.60%		\$ 18,259.48
10030 American Federal Bank Fosston	\$ 3,523,024.07	1.75%		\$ 3,523,024.07
10040 Bremer Bank Detroit Lakes	\$ 2,300,000.00	2.17%		\$ 2,300,000.00 *
10260 CDARS-SmartBank, Pigeon Forge, TN (int.pd quarterly via check)	\$ 200,000.00	2.05%	9/5/2019	\$ 202,050.46
10710 CDARS-BOKD, National Assn., Tulsa (int.pd monthly via check)	\$ 200,000.00	2.33%	10/3/2019	\$ 200,000.00
10880 Ultima Bank-Fosston (int. compounded sem-annually)	\$ 607,539.29	2.52%	10/22/2019	\$ 615,120.00
10890 RiverWood Bank-Bemidji (Bagley) Interest paid at maturity	\$ 200,000.00	2.35%	11/8/2019	\$ 204,700.00
10380 Edward Jones	<u>\$ 200,000.00</u>	2.75%	12/27/2019	<u>\$ 200,000.00</u>
	<u>\$ 7,463,193.21</u>			<u>\$ 7,477,524.38</u>

* \$2.3 million designated for Ditch 16

** The total amount in reserved funds is \$2,583,899.00 (includes the \$2.3 mil.)

2019, PAYABLE 2020, PROPOSED RLWD SPECIAL REVENUE PROJECTS

Pjt.#	Project Name	Fund Balance As of 01-01-19	Total '19 Exp. As of 7-31-19	2019 Levy	2019 Revenue to 7-31-19	Remain. '19 levy to collect	Anticipated Expenses	Potential Fund Balance Dec.2019	PROPOSED 2020 LEVY	
2	Red Lake River	57,873.91	(540.85)		0.00	0.00	500.00	56,833.06	0.00	Riparian aid received to be allocated
3	Clearwater River	20,598.75	(145.75)		0.00	0.00	200.00	20,253.00	0.00	Riparian aid received will be allocated
4	Lost River	6,833.05	0.00		3,711.75	0.00	200.00	10,344.80	0.00	
5	RLWD Ditch No. 1	3,318.06	(2,588.03)		723.37	0.00	2,100.00	(646.60)	3,000.00	
7	RLWD Ditch No. 3	3,111.58	(2,122.60)		1,226.50	0.00	4,200.00	(1,984.52)	5,000.00	
14	State Ditch 83	19,191.70	(3,044.13)	50,000.00	19,866.77	30,133.23	25,000.00	41,147.57	50,000.00	For discussion: No large anticipated expenditures for 2019; carry a larger fund balance if levy \$50,000 for 2020?
20	RLWD Ditch No. 7	3,876.66	(5,096.14)	6,000.00	6,033.82	0.00	8,000.00	(3,185.66)	6,000.00	
35	Pine Lake Maintenance	(3,236.23)	(3,382.35)	4,000.00	2,850.29	1,149.71	2,000.00	(4,618.58)	7,000.00	
36	RLWD Ditch No. 8	3,029.46	(531.03)	1,000.00	633.83	366.17	1,000.00	2,498.43	0.00	
39	RLWD Ditch No. 9	(176.36)	(290.71)	1,000.00	2.67	997.33	800.00	(267.07)	1,000.00	
41	J.D. No. 72	(33,881.36)	(5,097.87)	9,000.00	8,579.66	8,579.66	1,150.00	(22,969.91)	9,000.00	
43B	Burnham Creek	19,645.23	(1,732.89)	0.00	2,128.60	(2,128.60)	19,000.00	(1,087.66)	15,000.00	
45	Wild Rice Allocation	6,871.46	(501.04)	0.00	0.00	0.00	1,000.00	5,370.42	2,000.00	
48	JD 2 Br. A & Br. 1 of A	1,518.42	(570.24)	1,000.00	3,047.52	(2,047.52)	1,300.00	648.18	1,000.00	
49	JD 2 Main Upstream Anderson Lake Laterals B & C	3,865.05	(1,487.71)	1,500.00	3,314.84	(1,814.84)	4,500.00	(622.66)	2,000.00	
51	JD 2 Main (Eck Pet) Downstream Anderson Lake	1,639.34	(720.00)	1,500.00	1,775.13	(275.13)	0.00	2,419.34	0.00	
53	Krostue Petition	(7,287.19)	(280.66)	2,500.00	2,504.50	(4.50)	3,000.00	(8,067.85)	3,500.00	When do we catch up?
101	JD 4	1,803.92	(170.81)	0.00	2,305.25	(2,305.25)	0.00	1,633.11	0.00	Still have to check for abandonment?
102	JD 5 (4 Legged Lake)	(8,618.85)	(1,971.42)	2,200.00	2,755.55	(555.55)	2,000.00	(10,390.27)	2,200.00	
103	County Ditch 1	356.02	(932.19)		2,352.12	0.00		1,775.95	0.00	Abandon? Revenue is Riparian aid \$
109	Arveson Petition	6,255.32	(2,617.63)		556.00	0.00	5,400.00	(1,206.31)	2,500.00	
113	Winsor-Hangaard	13,192.02	(3,632.01)	0.00	5,951.16	(5,951.16)	8,000.00	1,560.01	5,000.00	
115	RLWD Ditch 1 Lat. C	(2,071.05)	(1,566.64)	1,500.00	1,217.11	0.00	5,000.00	(7,420.58)	4,000.00	
117	Kenneth Johnson Pet.	1,917.21	(1,003.16)	2,000.00	1,191.57	0.00	2,800.00	(694.38)	2,000.00	
119	Polk Co. Dts Improv.	(3,051.76)	(992.84)	5,000.00	5,107.18	(107.18)	8,000.00	(7,044.60)	8,000.00	
122	Challenger Ditch	553.01	(1,504.58)	500.00	111.00	0.00	1,000.00	(1,840.57)	1,000.00	
123	Scott Baatz Petition	541.47	(182.20)	1,000.00	886.05	113.95	1,350.00	9.27	1,000.00	
134	Polk Co. Dt. 63	1,330.78	(338.74)	5,000.00	2,804.41	0.00	2,500.00	1,296.45	3,000.00	
135	Polk Co. Dt. 33	231.55	(2,463.75)	5,000.00	3,592.36	0.00	2,000.00	(639.84)	5,000.00	
161	RLWD Ditch No. 10	3,299.90	(2,856.09)	5,000.00	3,811.82	1,188.18	4,000.00	1,443.81	2,500.00	
166	RLWD Ditch No. 11	23,778.03	(3,492.00)		809.75	0.00	6,050.00	15,045.78	0.00	
169	RLWD Ditch No. 12	4,100.00	(4,034.25)	7,500.00	6,675.14	824.86	15,000.00	(7,434.25)	15,000.00	
170A	RLWD Ditch No. 13	2,166.82	(1,333.37)	0.00	515.00	(515.00)	1,500.00	(666.55)	1,000.00	
171	RLWD Ditch No. 14	(4,391.84)	(2,720.66)	5,000.00	1,116.00	3,884.00	1,500.00	(3,612.50)	5,000.00	
171A	TRF FDR Proj.	3,416.59	(2,250.06)	0.00	465.00	(465.00)	1,000.00	166.53	1,000.00	
175	RLWD Ditch No. 15	73,538.58	(12,308.62)	0.00	1,687.41	(1,687.41)	12,000.00	49,229.96	0.00	

2019, PAYABLE 2020, PROPOSED RLWD SPECIAL REVENUE PROJECTS

		Fund Balance	Total '19 Exp.	2019	2019 Revenue	Remain. '19	Anticipated	Potential Fund	PROPOSED
177	RLWD Ditch No. 16	(69,997.35)	(37,158.62)	0.00	2,300,000.00	(2,300,000.00)		(107,155.97)	0.00
179	Improv. To Po.Co. #39	(25,832.09)	(18,601.63)	0.00	27.00	(27.00)		(44,433.72)	0.00
	TOTALS	129,309.81	(130,263.27)	117,200.00	2,400,336.13	(2,270,647.05)	153,050.00	(24,314.38)	162,700.00

**

* have not received 2019 ditch assessment \$ from Pennington County yet this year

** Some Revenue received in 2019 is for Riparian aid (some from 2017 and 2018) and not from levies

NOTICE OF HEARING

Pursuant to Minnesota Statutes, Chapter 103D.911, notice is hereby given that the Board of Managers of the Red Lake Watershed District will hold a public hearing on the proposed 2020 General Fund Budget at 9:30 a.m., August 22, 2019, at the Red Lake Watershed District Office, 1000 Pennington Avenue South, Thief River Falls, MN 56701. The following is the 2020 proposed budget:

	PROPOSED 2020 <u>BUDGET</u>
Manager's fees and salaries	\$ 33,400.00
Board of managers' expense	22,000.00
Staff salaries	460,000.00
Payroll taxes	35,190.00
Employee benefits	60,000.00
Travel and meetings	5,000.00
Audit	9,450.00
Legal	16,000.00
Office supplies	20,000.00
Office equipment	50,000.00
Appraisers and Viewers	2,000.00
Professional services	20,000.00
Dues and subscriptions	10,000.00
Insurance and bonds	25,000.00
Repairs and maintenance-building	15,000.00
Utilities	10,000.00
Advertising and publications	4,000.00
Telephone	11,000.00
Vehicle expense & maintenance	14,000.00
Engineering supplies	3,000.00
Engineering equipment	<u>18,000.00</u>
TOTAL	\$ 843,040.00
LESS: ESTIMATED OVERHEAD	(690,000.00)
LESS: MISCELLANEOUS REVENUE	<u>(7,000.00)</u>
PROPOSED 2020 GENERAL FUND BUDGET	\$146,040.00
PROPOSED 2020 GENERAL FUND LEVY	\$100,000.00

CAPITAL PROJECTS FUND

An ad valorem tax of .0003627 times the taxable market value for 2019, collectible for 2020, will be levied on all taxable property within the Red Lake Watershed District. One-half of the levy will remain in the District for projects listed below; the other one-half of the levy will be sent to the Red River Watershed Management Board for projects within the Red River Basin.

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

Tammy Audette

From: Kevin Trappe <Kevin.Trappe@co.beltrami.mn.us>
Sent: Friday, August 16, 2019 2:04 PM
To: Myron Jesme
Cc: Tammy Audette
Subject: Beltrami County Aerial Imagery Funding Partnership
Attachments: AreaPlanning5x7.jpg

Hello Myron,

Beltrami County is working on plans to conduct a new aerial imagery project next spring. I'm reaching out to see if the Red Lake Watershed District is willing and able to commit any funds for the 2020 or 2021 fiscal year to support the project. We may be given an option to split the project cost in half and spread it over two years.

Our records indicate that the RLWD was able to contribute \$20,000 for Beltrami County's last aerial imagery project in 2014. I would like ask if the RLWD would be able to contribute half that amount for this project (i.e. \$10,000). Beltrami County would be happy to share the completed image mosaic with the RLWD for use in GIS software if that is of interest to you. It will also be publicly available on all Beltrami County online maps that currently contain our 2014 imagery layer.

One important thing I want to note is that we are not including the Red Lake Reservation in the flight plan. The Red Lake DNR conducted their own imagery project for the reservation this past spring (2019), and we intend to share imagery with each other. Also, we are not including several townships in the far northern portion of Beltrami County because county staff have determined that new imagery of those areas is not valuable and useful enough for us to justify including in the project. This has resulted in a significant cost reduction. Attached you will find a map that depicts the areas that will be included in the flight plan (in green). If the RLWD finds those far northern areas of state and tribal land to be valuable to include, I'd welcome a discussion about that.

On behalf of the County, we greatly appreciate any partnership that we can form with the RLWD for this project. Please reach out to me with any questions you have.

Kind regards,

Kevin Trappe, GISP

GIS Director

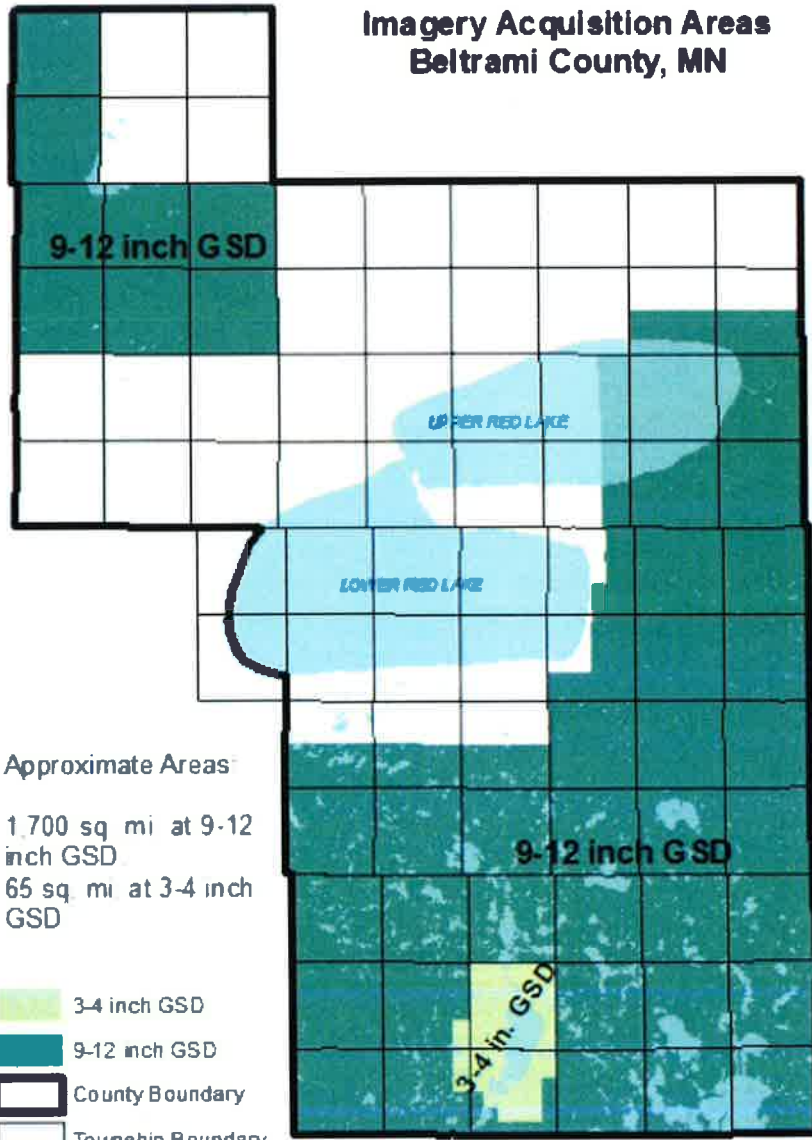
Beltrami County

701 Minnesota Ave NW Ste. 219 | Bemidji, MN 56601

Tel: 218-333-8457 | e-mail: kevin.trappe@co.beltrami.mn.us

This message and any attachments are for the sole use of the intended recipient(s) and may contain confidential and/or privileged information. Any unauthorized review, use, disclosure, or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply email and destroy all copies of the original message and any attachments.

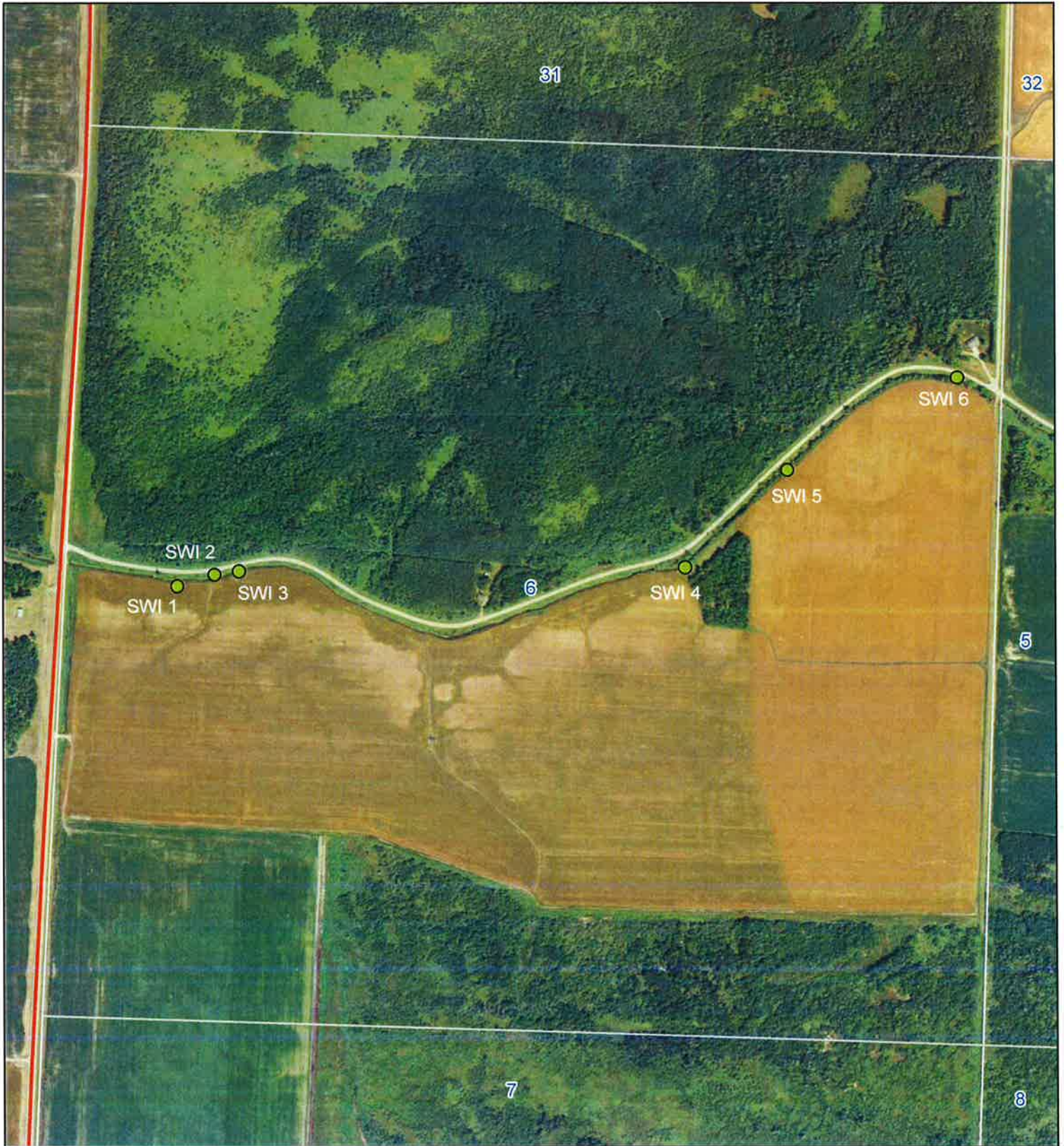
Imagery Acquisition Areas Beltrami County, MN



Approximate Areas:
1,700 sq mi at 9-12
inch GSD
65 sq. mi at 3-4 inch
GSD




- 3-4 inch GSD
- 9-12 inch GSD
- County Boundary
- Township Boundary
- Waterbody



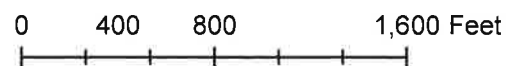


NAIP 2017

Legend

-  Side Water Inlets (SWIs)
-  Townships
-  Sections

1 inch = 800 feet 1:9,600



Cost Estimate

Producer: Engelstad - Subbasin 3
 County: Beltrami
 Township: Northwood
 Section: 6
 Engineering Practices: Grade Stabilization - PS 410

ITEM	QUANTITY	UNIT COST	UNIT COST	TOTAL COST
18" CMP	20	\$24.00	ln ft	\$480.00
Geotextile	14	\$4.00	sq yd	\$56.00
Rock Riprap	6	\$80.00	cu yd	\$480.00
18"apron	1	\$120.00	each	\$120.00
Seed, Fertilize and Mulch	0.1	\$800.00	acre	\$80.00
Mob/Demob	1	\$175.00	job	\$175.00
			Subtotal	\$1,391.00
			Taxes & Contingency	\$278.20
			TOTAL	\$1,669.20

Cost Estimate

Producer: Engelstad - Subbasin 4

County: Beltrami

Township: Northwood

Section: 6

Engineering Practices: Grade Stabilization - PS 410

ITEM	QUANTITY	UNIT COST		TOTAL COST
18" CMP	30	\$24.00	In ft	\$720.00
Geotextile	14	\$4.00	sq yd	\$56.00
Rock Riprap	6	\$80.00	cu yd	\$480.00
18"apron	1	\$120.00	each	\$120.00
Seed, Fertilize and Mulch	0.1	\$800.00	acre	\$80.00
Mob/Demob	1	\$175.00	job	\$175.00
			Subtotal	\$1,631.00
			Taxes & Contingency	\$326.20
			TOTAL	\$1,957.20

Cost Estimate

Producer: Engelstad - Subbasin 6

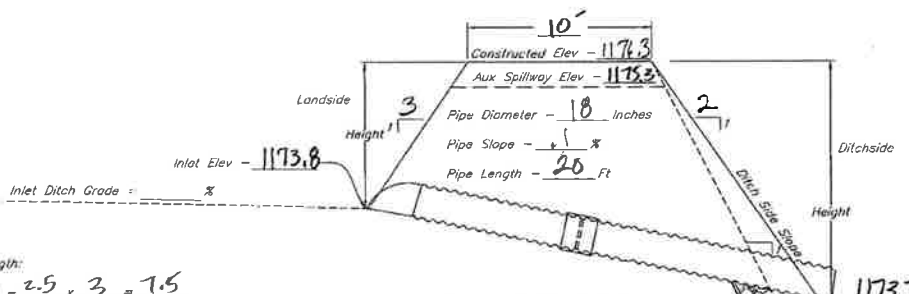
County: Beltrami

Township: Northwood

Section: 6

Engineering Practices: Grade Stabilization - PS 410

ITEM	QUANTITY	UNIT COST		TOTAL COST
18" CMP	20	\$24.00	ln ft	\$480.00
Geotextile	14	\$4.00	sq yd	\$56.00
Rock Riprap	6	\$80.00	cu yd	\$480.00
18"apron	1	\$120.00	each	\$120.00
Seed, Fertilize and Mulch	0.1	\$800.00	acre	\$80.00
Mob/Demob	1	\$175.00	job	\$175.00
		Subtotal		\$1,391.00
		Taxes & Contingency		\$278.20
		TOTAL		\$1,669.20



DNR Permit Information
(If Applicable)

Low Bank Elev - _____

OHW Elev - _____

- Construction Notes:
1. Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
 2. Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 3" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require of a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
 3. Fill material shall be placed alternately on each side of the pipe of equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
 4. Connecting bands shall be free of soil during installation and topped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
 5. Trench depths > than 5' require OSHA approved trenching procedures.

Designed: JAH
Drawn: JAH
Checked: JAH
Approved: JAH

length: _____

side - $2.5 \times 3 = 7.5$
Height (SS) - 10

side - $2.4 \times 2 = 5.2$
Height (SS)

Total - $22.1 - 2.4 = 20.1$ Pipe Length (Apron)

MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"
Discharge Q < 25 cfs	Discharge Q < 38 cfs

Information:

Discharge $Q_{10} = 2$ CFS - (EFH2); Drainage Area 3 Acres

Curve $Q = 1.3$ CFS - (Minimum pipe capacity)

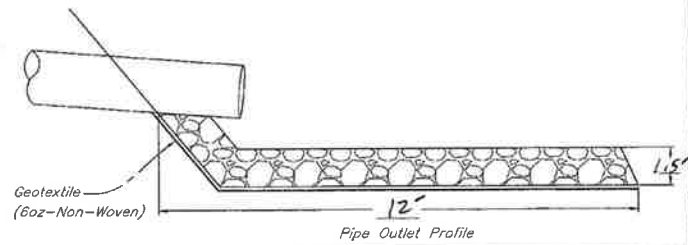
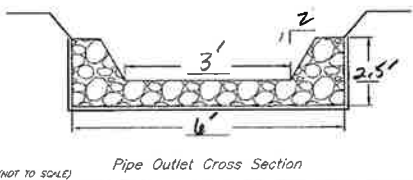
Head = 1.5 Ft - (Aux Spillway Elev - Pipe Inlet Elev)

Diameter = 18 Inches; Pipe Capacity = 6.1 CFS - $6.1 > 2$

Flow Capacity = CFS - (Peak Discharge Q_{10} - Pipe Capacity)

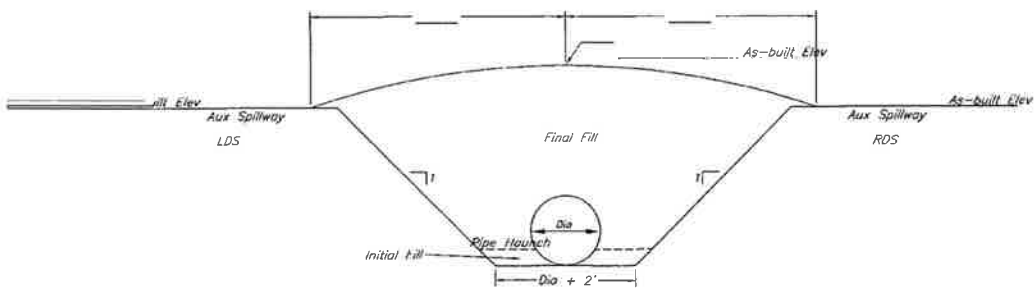
Flow Width = Ft (Chart); Aux Spillway Depth = Ft - (Chart)

Flow Location - LDS: _____ RDS: _____ Both: _____



SUBBASIN # 1

KEEP ENGELSTADT NORTHWOOD T157N R30W



AUXILIARY SPILLWAY CAPACITIES

WIDTH FEET	DEPTH - FEET		
	0.5	0.6	1.0
10	6	9	21
15	9	13	30
20	12	17	
25	15	22	
30	18	26	

Apron Lengths

Diameter inches	Length inches	Length feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

MN Drainage Curve

Curve #3

Acres	CFS
10	1.5
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

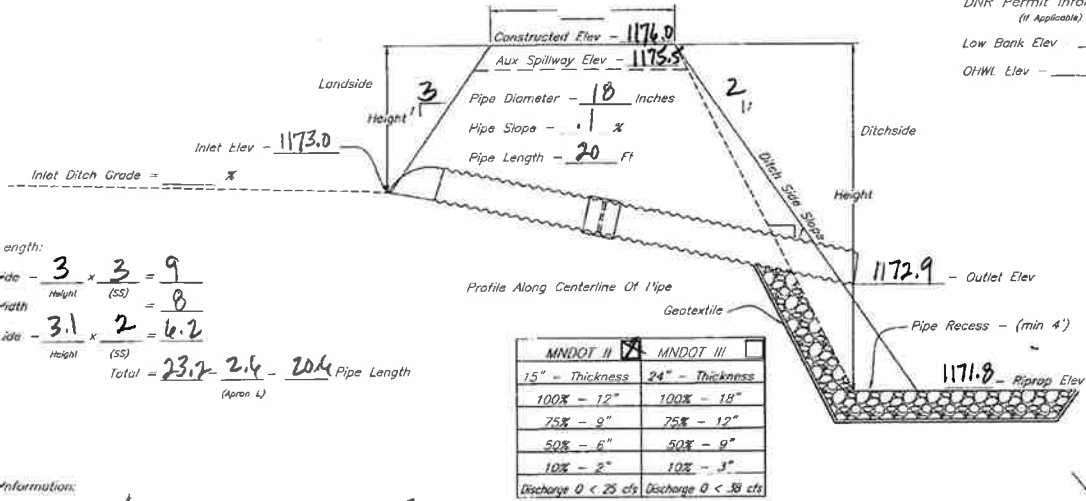
PIPE CAPACITY CHART

Head (H) feet	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.2	5.7			
1.5	4.4	6.1	7.5	8.3	
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	9.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.8
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5

USDA NRCS
Natural Resources Conservation Service

Rev - 4/2014

Sheet of



DNR Permit Information
 (If Applicable)
 Low Bank Elev _____
 OHW Elev _____

Construction Notes:

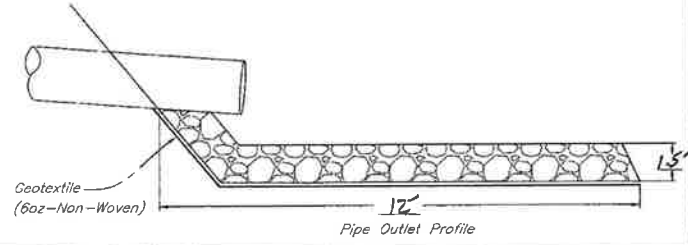
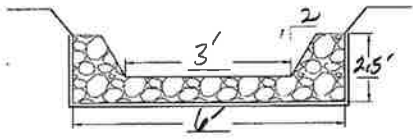
1. Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
2. Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
3. Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
4. Connecting bands shall be free of soil during installation and topped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
5. Trench depths > than 5' require OSHA approved trenching procedures.

length: $3 \times 3 = 9$
 width: $3.1 \times 2 = 6.2$
 Total = $23.2 - 2.4 = 20.4$ Pipe Length (Apron)

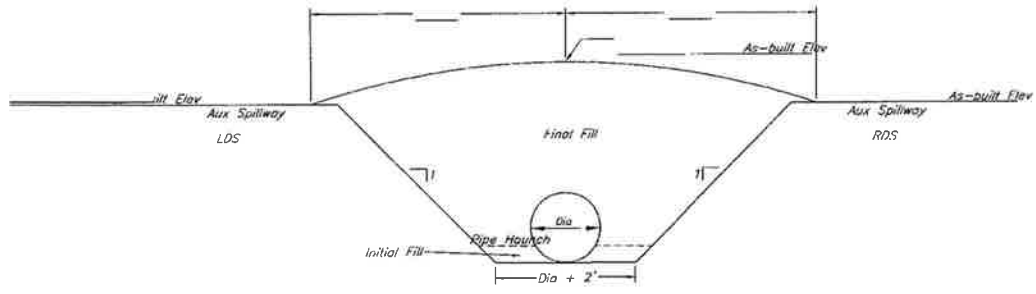
MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"

Discharge Q < 25 cfs Discharge Q < 38 cfs

Information:
 Discharge $Q_{10} = 4$ CFS - (ET12); Drainage Area 12.3 Acres
 Curve $Q = 2.6$ CFS - (Minimum pipe capacity)
 Head = 2.5 Ft - (Aux Spillway Elev - Pipe Inlet Elev)
 Diameter = 18 Inches; Pipe Capacity = 9.0 CFS -
 Flow Capacity = CFS - (Peak Discharge Q_{10} - Pipe Capacity)
 Flow Width = Ft (Spout) Aux Spillway Depth = Ft - (Chart)
 Flow Location: LDS: RDS: Both:



(NOT TO SCALE)



Typical Section & As-Built Documentation

(Look Downstream)

WIDTH	DEPTH - FEET		
FEET	0.5	0.6	1.0
CAPACITY - CFS			
10	6	9	21
15	9	13	30
20	12	17	
25	15	22	
30	18	26	

AUXILIARY SPILLWAY CAPACITIES

Diameter inches	Length inches	Length feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

Head (ft)	Pipe Capacities - CFS			
	15"	18"	21"	24"
1.0	2.8			
1.2	3.8			
1.4	4.2	5.7		
1.5	4.4	6.1	7.5	8.3
1.6	4.5	6.6	8.1	9.2
1.8	4.9	7.1	9.5	11.0
2.0	5.4	7.6	10.4	12.8
2.2	5.6	8.2	11.4	13.9
2.4	6.0	8.9	12.1	15.0
2.5	6.1	9.0	12.4	15.6
2.6	6.3	9.2	12.9	16.0
2.8	6.5	9.6	13.6	17.0
3.0	6.8	10.2	14.3	18.0
3.2	7.0	10.6	15.0	19.0
3.4	7.2	11.0	15.6	19.8
3.5	7.4	11.2	15.9	20.1
3.6	7.6	11.4	16.1	20.4
3.8	7.8	11.9	16.6	21.1
4.0	8.1	12.1	17.2	21.9

Designer: JAH
 Drawn: JAH
 Checker: JAH
 Approver: JAH

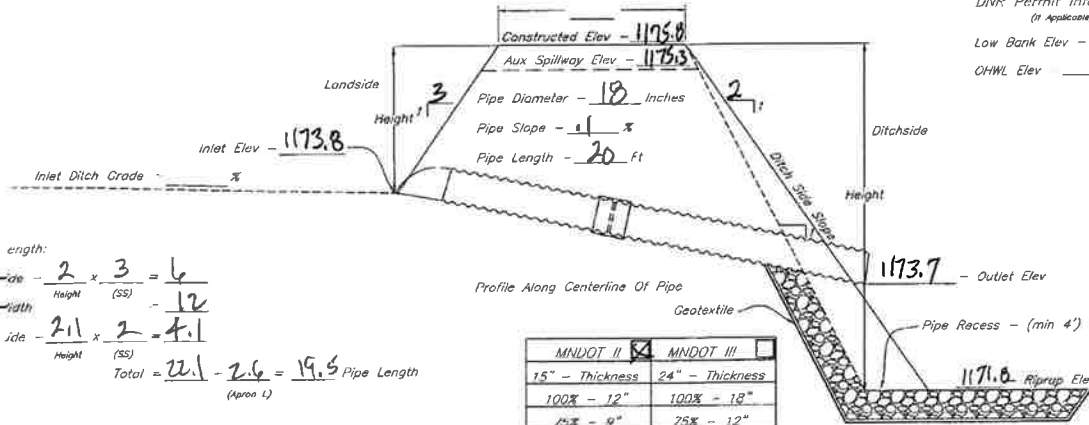
SUBBASIN # 2

REED ENGELSTAD
 NORTHWOOD 6
 T151N R38W



Rev - 4/2014

Sheet of



DNR Permit Information
(If Applicable)
Low Bank Elev - _____
CHWL Elev - _____

- Construction Notes:
- Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
 - Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
 - Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
 - Connecting bands shall be free of soil during installation and tamped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
 - Trench depths > than 5' require OSHA approved trenching procedures.

Length:

$$\text{side} = \frac{2}{\text{Height}} \times \frac{3}{(\text{SS})} = \frac{6}{12}$$

$$\text{side} = \frac{2.1}{\text{Height}} \times \frac{2}{(\text{SS})} = \frac{4.1}{12}$$

Total = 22.1 - 2.6 = 19.5 Pipe Length (Approx)

MN DOT II	MN DOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"
Discharge Q < 25 cfs	Discharge Q < 38 cfs

Information:

Discharge $Q_{10} = 2$ CFS - (EFH2); Drainage Area 3.7 Acres

Curve # = 1.3 CFS - (Minimum pipe capacity)

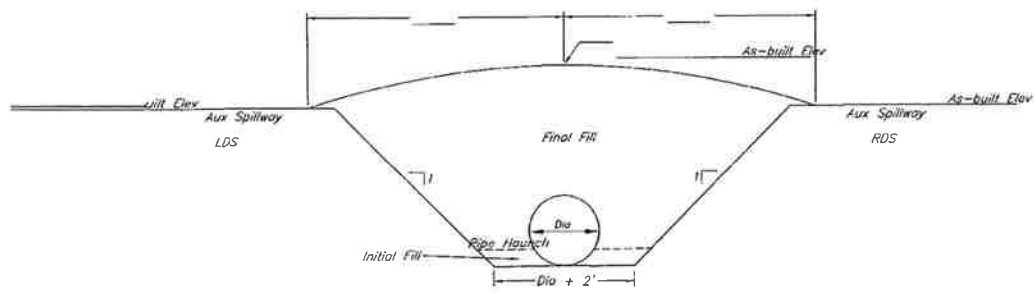
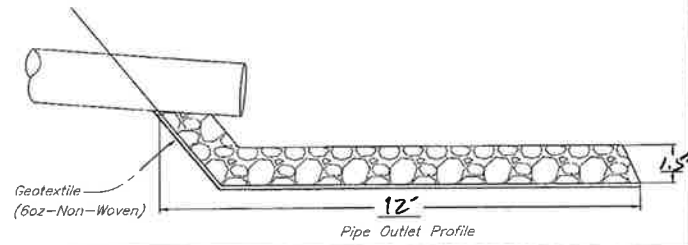
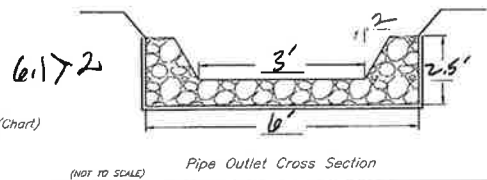
Head = 1.5 Ft - (Aux Spillway Elev - Pipe Inlet Elev)

Diameter = 18 inches; Pipe Capacity = 6.1 CFS

Spillway Capacity = CFS - (Peak Discharge Q_{10} - Pipe Capacity)

Spillway Width = Ft (Chart) Aux Spillway Depth = Ft - (Chart)

Spillway Location LDS: RDS: Both:



Typical Section & As-Built Documentation

(Look Downstream)

WIDTH FEET	DEPTH - FEET		
	0.5	0.6	1.0
CAPACITY - CFS			
10	6	9	21
15	9	13	30
20	12	17	
25	15	22	
30	18	26	

AUXILIARY SPILLWAY CAPACITIES

Diameter inches	Length inches	Length feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve
Curve #3

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

Head (ft)	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.2	5.7			
1.5	4.4	6.1	7.5		
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	9.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.5
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5

Design: JAT
Drawn: JAT
Checked: JAT
Approved: JAT

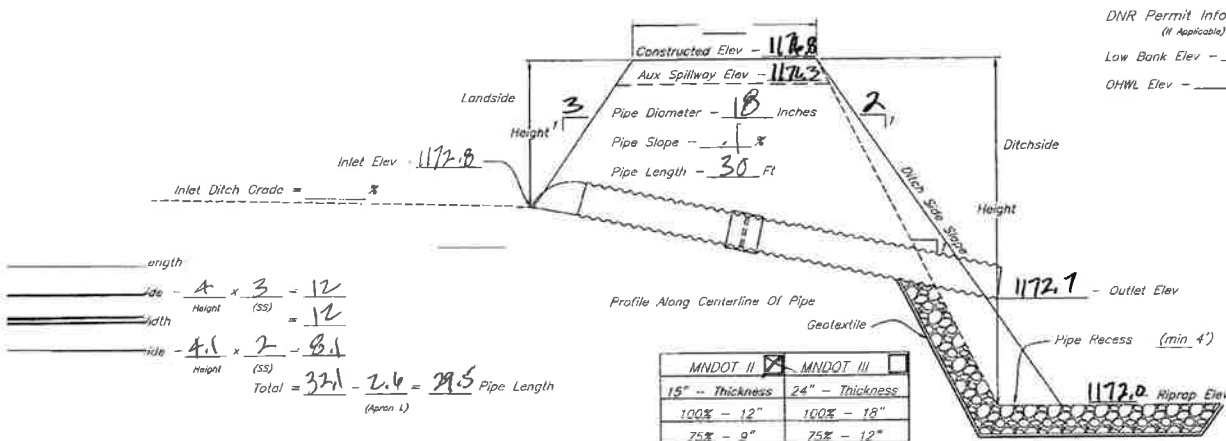
SUBBASIN #3

REED ENGEL STAD
NORTHWARD 6
T 157 N R 38W

USDA NRCS
Natural Resources Conservation Service

Rev - 4/2014

Sheet of



DNR Permit Information
 (If Applicable)
 Low Bank Elev - _____
 OHWL Elev - _____

- Construction Notes:
- Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
 - Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
 - Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
 - Connecting bands shall be free of soil during installation and tamped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet requires watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
 - Trench depths > than 5' require OSHA approved trenching procedures.

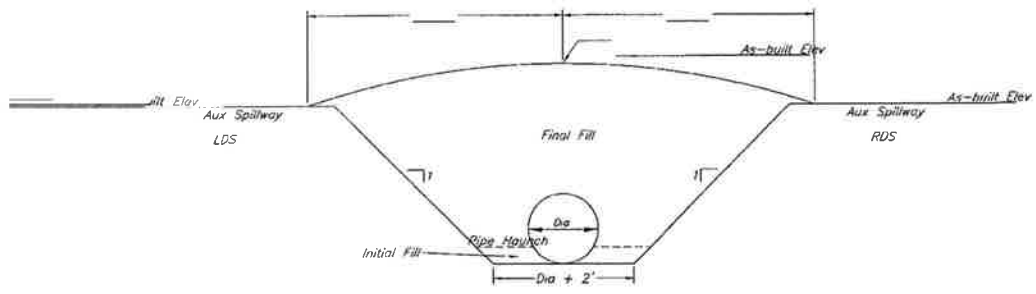
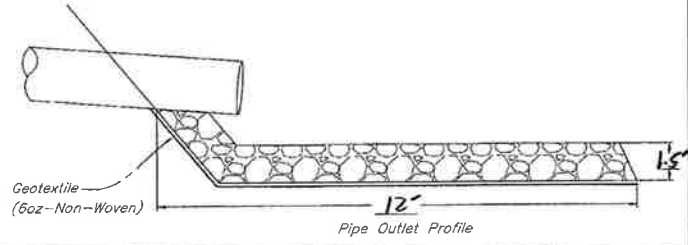
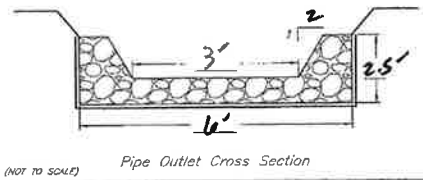
Side - $A \times 3 = 12$
 Height (SS) = 12
 Side - $4.5 \times 2 = 9$
 Height (SS) = 9
 Total = $32.1 - 2.4 = 29.5$ Pipe Length (Apron 1)

MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"

Discharge Q < 25 cfs Discharge Q < 38 cfs

Information:

Discharge $Q_{10} = 13$ CFS - (EFH2). Drainage Area 54.0 Acres
 Curve C = 74 CFS - (Minimum pipe capacity)
 Head = 3.5 Ft - (Aux Spillway Elev - Pipe Inlet Elev)
 Diameter = 18 inches ; Pipe Capacity = 11.2 CFS -
 Flow Capacity = 1.0 CFS - (Peak Discharge Q_{10} - Pipe Capacity)
 Flow Width = 10 Ft - (Chart) Aux Spillway Depth = 5 Ft - (Chart)
 Flow Location = X LDS: RDS: Both:



Typical Section & As-Built Documentation

(Look Downstream)

WIDTH FEET	DEPTH - FEET		
	0.5	0.6	1.0
CAPACITY - CFS			
10	6	9	21
15	9	13	30
20	12	17	
25	15	22	
30	18	26	

AUXILIARY SPILLWAY CAPACITIES

Diameter inches	Length inches	Length feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve

Curve #3

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

Head (H) Feet	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.2	5.7			
1.5	4.4	6.1	7.5	8.3	
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	9.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.6
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5

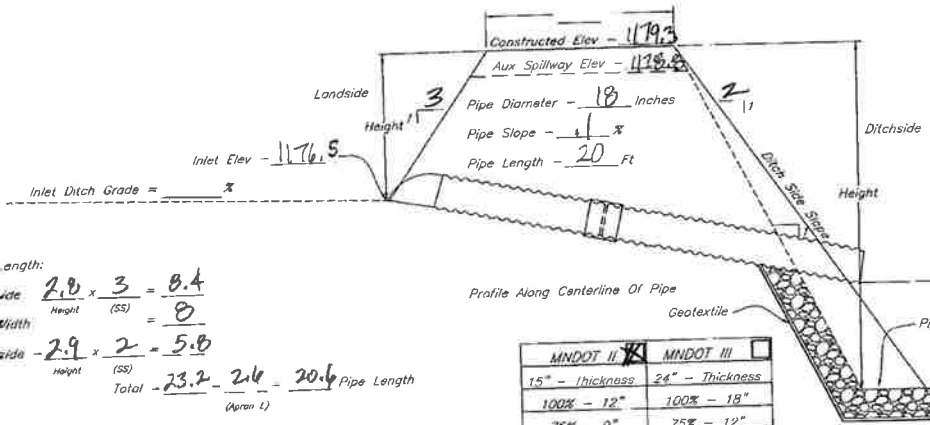
DESIGNED: JAH
 DRAWN: JAH
 CHECKED: JAH
 APPROVED: JAH

REED ENKELSTAD
 NORTHWOOD 6
 T151N R38W

USDA NRCS
 Natural Resources Conservation Service

Rev - 4/2014
 Sheet of

SUBBASIN #4



DNR Permit Information
(If Applicable)
Low Bank Elev - _____
OHW Elev - _____

- Construction Notes:
1. Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
 2. Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
 3. Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
 4. Connecting bands shall be free of soil during installation and lapped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
 5. Trench depths > than 5' require OSHA approved trenching procedures.

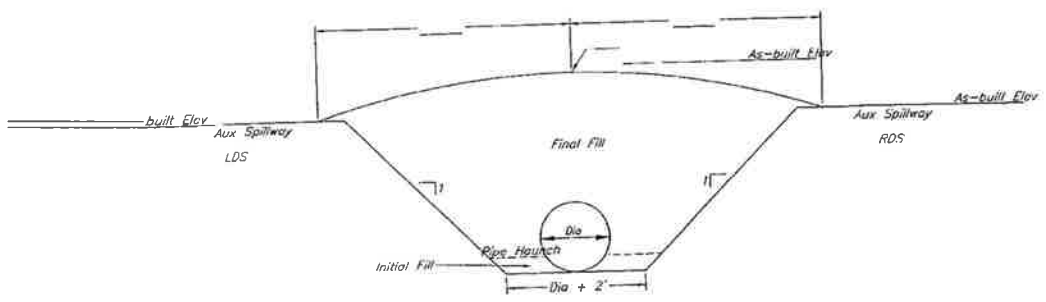
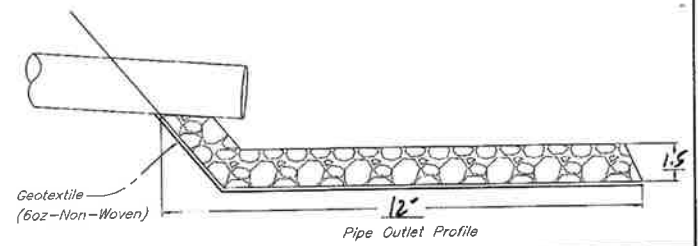
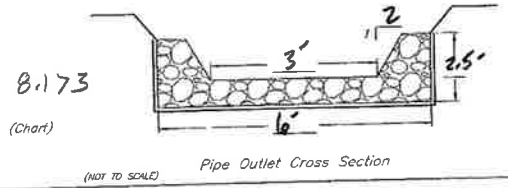
Length: $2.0 \times 3 = 6.4$
 Width: $2.9 \times 2 = 5.8$
 Total: $23.2 - 2.4 = 20.6$ Pipe Length
 (Apron L)

MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"

Discharge Q < 25 cfs Discharge Q < 38 cfs

Information:

- Discharge $Q_{10} = 3$ CFS - (EFH2); Drainage Area 7.9 Acres
- Curve $Q = 1.3$ CFS - (Minimum pipe capacity)
- Head = 2.3 Ft - (Aux Spillway Elev - Pipe Inlet Elev)
- Diameter = 18 inches; Pipe Capacity = 8.1 CFS
- Spillway Capacity = _____ CFS (Peak Discharge Q_{10} - Pipe Capacity)
- Spillway Width = _____ Ft (Chart) Aux Spillway Depth = _____ Ft - (Chart)
- Spillway Location = LDS: _____ RDS: _____ Both: _____



Typical Section & As-Built Documentation

(Look Downstream)

WIDTH	DEPTH - FEET	
FEET	0.5	0.6
	1.0	
	CAPACITY - CFS	
10	6	9
15	9	13
20	12	17
25	15	22
30	18	26

AUXILIARY SPILLWAY CAPACITIES

Diameter	Length	Length
inches	inches	feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve Curve #3

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

Head (ft)	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.2	5.7			
1.5	4.4	6.1	7.5	8.3	
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	9.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.8
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5

Designed: JAH
 Drawn: JAH
 Checked: JAH
 Approved: JAH

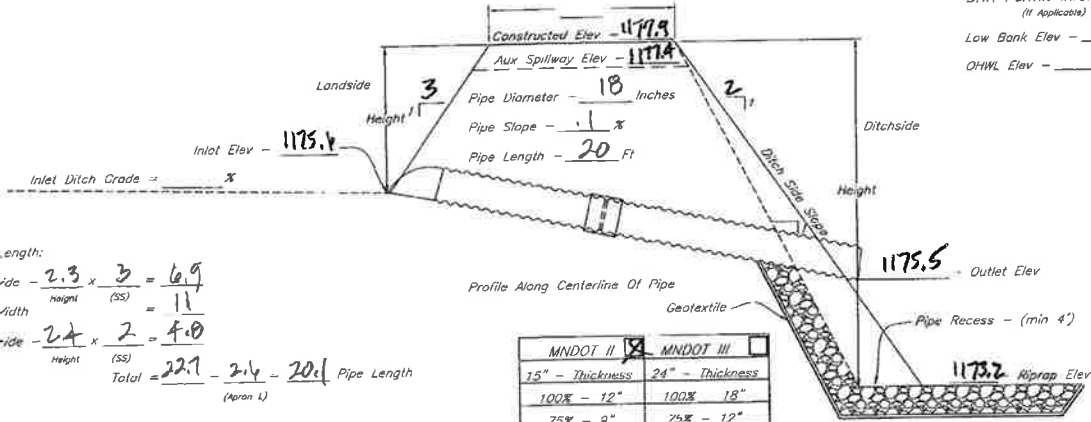
SUBBASIN #5

REED ENGELSTAD
 NORTHWOOD 6
 T1517N R36N



Rev - 4/2014

Sheet of



Length: $side = 2.3 \times 3 = 6.9$
 height (SS) = 11
 $side = 2.4 \times 2 = 4.8$
 height (SS) = 22.1
 Total = 22.1 - 2.4 = 20.1 Pipe Length (Apron 4)

MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"
Discharge Q < 25 cfs	Discharge Q < 38 cfs

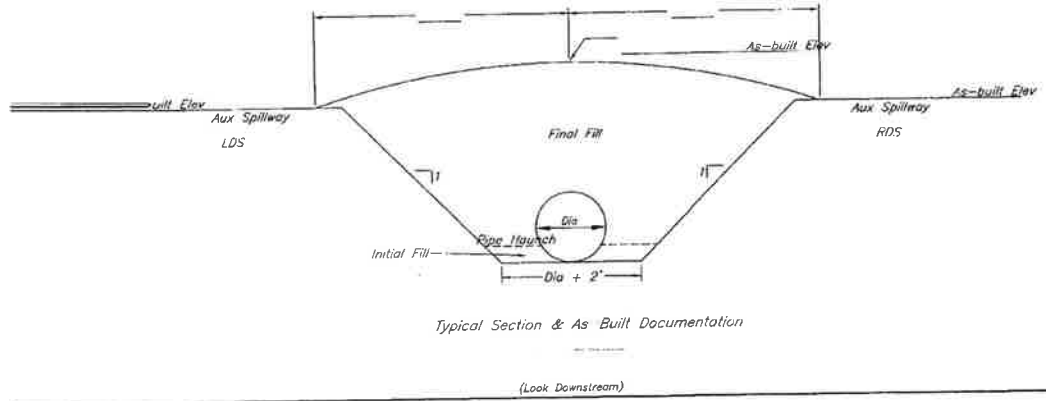
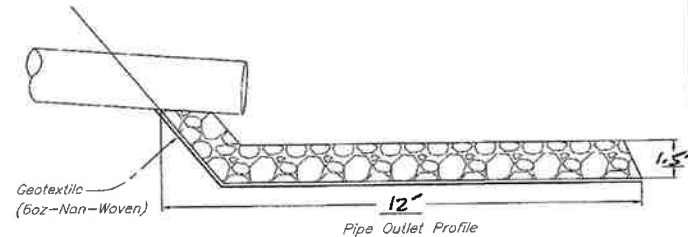
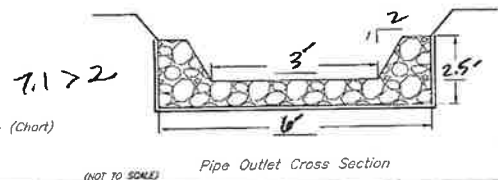
DNR Permit Information
 (If Applicable)
 Low Bank Elev = _____
 OHWL Elev = _____

Construction Notes:

- Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clogs over 3" in diameter. Initial fill should be should be knifed in along the bottom area of the pipe and hand tamped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
- Final fill - fill material over pipe haunch shall be free of rock and soil clogs over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require of a minimum complete coverage of area with the track and lifts not to exceed 5" before compaction.
- Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
- Connecting bands shall be free of soil during installation and topped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where watertightness is required.
- Trench depths > than 5' require OSHA approved trenching procedures.

Designated: JAH
 Drawn: JAH
 Checked: JAH
 Approved: JAH

Information:
 Discharge $Q_{10} = 2$ CFS - (E+H2); Drainage Area 3.9 Acres
 Curve C = 1.3 CFS - (Minimum pipe capacity)
 Head = 1.8 Ft - (Aux Spillway Elev - Pipe Inlet Elev)
 Diameter = 18 Inches; Pipe Capacity = 7.1 CFS
 Spillway Capacity = _____ CFS - (Peak Discharge Q_{10} - Pipe Capacity)
 Spillway Width = _____ Ft - (Chart) Aux Spillway Depth = _____ Ft - (Chart)
 Spillway Location = _____ LDS; RDS: _____ Both:



WIDTH FEET	DEPTH - FEET		
	0.5	0.6	1.0
10	6	9	21
15	9	15	30
20	12	17	
25	15	22	
30	18	26	

AUXILIARY SPILLWAY CAPACITIES

Diameter inches	Length inches	Length feet
15	26	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve

Curve #3

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

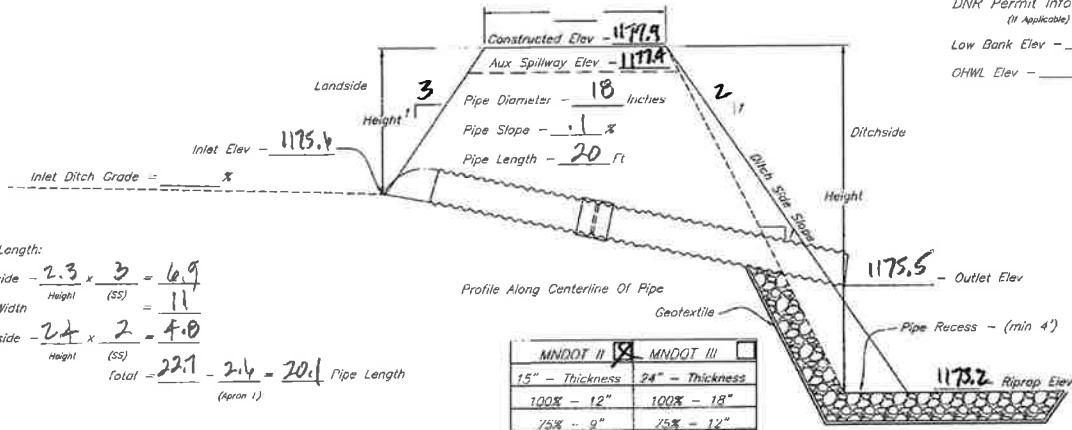
Head (ft)	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.1	5.7			
1.5	4.4	6.1	7.5	8.3	
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	9.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.8
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5

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 NORTHWOOD Co
 T157N R38W



Rev - 4/2014

Sheet of



DNR Permit Information
 (If Applicable)
 Low Bank Elev - _____
 OHWL Elev - _____

Construction Notes:

- Initial Fill - fill material under the pipe haunch (lower third) shall be free of rocks and clods over 3" in diameter. Initial fill should be knifed in along the bottom area of the pipe and hand lumped with a 2 x 4 inch lumber or an equivalent to ensure uniform placement.
- Final Fill - fill material over pipe haunch shall be free of rock and soil clods over 6" in diameter and placed in lifts of 9" before compaction. Final fill material shall be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require at a minimum complete coverage of urea with the track and lifts not to exceed 5" before compaction.
- Fill material shall be placed alternately on each side of the pipe at equal elevations. Hand equipment or mechanical tampers are required for final fill compaction. The moisture content of the backfill material should form a ball when kneaded by hand and will not readily separate.
- Connecting bands shall be free of soil during installation and topped with a mallet while tightening to insure a tight joint. Pipe head > 5 feet require watertight connecting bands. Connecting bands may be supplied with gaskets or asphalt mastic where water-tightness is required.
- Trench depths > than 5' require OSHA approved trenching procedures.

Designed: JAH
 Drawn: JAH
 Checked: JAH
 Approved: JAH

SUBBASIN #6

REED ENGELSTAD
 NORTHWOOD 6
 T 157N R 35W



Rev - 4/2014
 Sheet of

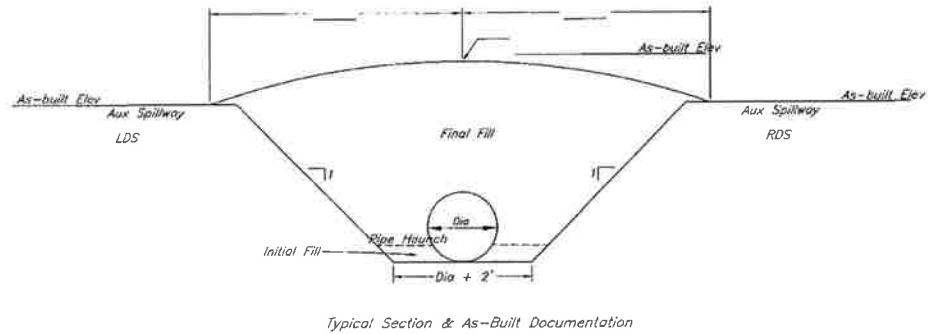
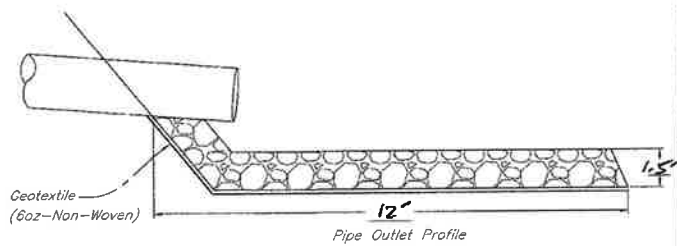
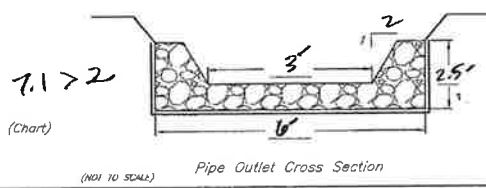
Pipe Length:

Landside - $\frac{2.3}{\text{Height (SS)}} \times 3 = 6.9$
 Top Width = 11
 Ditchside - $\frac{2.2}{\text{Height (SS)}} \times 2 = 4.0$
 Total = 22.1 - 2.1 = 20.0 Pipe Length (Apron 1)

MNDOT II	MNDOT III
15" - Thickness	24" - Thickness
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"
Discharge Q < 25 cfs	Discharge Q < 38 cfs

Design Information:

Peak Discharge $Q_{10} = 2$ CFS - (EFH2); Drainage Area 3.9 Acres
 Drainage Curve Q = 1.3 CFS - (Minimum pipe capacity)
 Pipe Head = 1.8 Ft - (Aux Spillway Elev - Pipe Inlet Elev)
 Pipe Diameter = 18 Inches; Pipe Capacity = 7.1 CFS -
 Aux Spillway Capacity = _____ CFS - (Peak Discharge Q_{10} - Pipe Capacity)
 Aux Spillway Width = _____ Ft - (Chart) Aux Spillway Depth = _____ Ft - (Chart)
 Aux Spillway Location = _____ LDS; _____ RDS; _____ Both:



WIDTH	DEPTH - FEET		
FEET	0.5	0.6	1.0
CAPACITY - CFS			
10	6	9	21
15	9	13	30
20	12	17	
25	15	22	
30	18	26	

AUXILIARY SPILLWAY CAPACITIES

Diameter inches	Length inches	Length feet
15	25	2.2
18	31	2.6
21	36	3.0
24	41	3.4
30	51	4.2

Apron Lengths

MN Drainage Curve

Curve #3

Acres	CFS
10	1.3
20	2.6
30	3.9
40	5.0
50	6.2
60	7.4
70	8.4
80	9.4
90	10.0
100	11.0
110	12.0
120	13.0
130	14.0
140	15.0
150	16.0
160	17.0
170	18.0
180	19.0
190	20.0
200	21.0
220	22.0
240	24.0

PIPE CAPACITY CHART

Head (ft)	Pipe Capacities - CFS				
	15"	18"	21"	24"	30"
1.0	2.8				
1.2	3.8				
1.4	4.2	5.7			
1.5	4.4	6.1	7.5	8.3	
1.6	4.5	6.6	8.1	9.2	
1.8	4.9	7.1	8.5	11.0	13.5
2.0	5.4	7.6	10.4	12.8	16.1
2.2	5.6	8.2	11.4	13.9	18.5
2.4	6.0	8.9	12.1	15.0	21.3
2.5	6.1	9.0	12.4	15.6	22.1
2.6	6.3	9.2	12.9	16.0	23.2
2.8	6.5	9.6	13.6	17.0	25.2
3.0	6.8	10.2	14.3	18.0	26.9
3.2	7.0	10.6	15.0	19.0	28.2
3.4	7.2	11.0	15.6	19.8	30.0
3.5	7.4	11.2	15.9	20.1	30.3
3.6	7.6	11.4	16.1	20.4	31.8
3.8	7.8	11.9	16.6	21.1	33.5
4.0	8.1	12.1	17.2	21.9	34.5



Permit # 19-111

Status Report: Denied

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Guy Useldinger	Greg Useldinger, Inc.	PO Box 12305 Grand Forks, ND 58208		tel: mobile: 218-791-0489 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: Polk Township: Nesbit Range: 48 Section: 17 1/4: S1/2 NW1/4

(4) Describe in detail the work to be performed. **Install culvert across road and put larger culvert in crossing.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Water is retained too long on this field and we are just trying to minimize our losses when the heavy rains. come.**

Status

Status	Notes	Date
Denied	None	Aug. 22, 2019
Received	None	Aug. 2, 2019

Conditions

P.A. #19111 – Permit ‘Denied’ The existing ditch gradient, on the east side of the township road, is more than adequate for ag-land drainage. Applicant has been notified, and will consider other alternatives.

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.

**APPLICATION FOR PERMIT
RED LAKE WATERSHED DISTRICT**
1000 Pennington Avenue South
Thief River Falls, MN 56701
218-681-5800

TO THE BOARD OF MANAGERS:

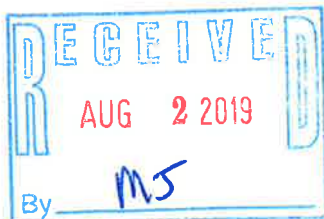
Landowner Name:	Telephone Number:
Guy Useldinger / Greg Useldinger, Inc.	2187910489
Address (Street, RFD, Box No., City, State, Zip):	
P.O. Box 12305 Grand Forks, N.D 58208	
Project Location:	
Government Lot _____	Quarter Section(s) <u>S 1/2 NW 1/4</u> Section(s) <u>17</u>
Township (Name & #) <u>T-151-N Nesbitt 17</u>	Range # <u>48-W</u> County <u>Polk</u>
Type of Work Proposed:	
<input type="checkbox"/> Excavate	<input checked="" type="checkbox"/> Install
<input type="checkbox"/> Fill	<input type="checkbox"/> Remove
<input checked="" type="checkbox"/> Drain	<input type="checkbox"/> Other
<input type="checkbox"/> Construct	<input checked="" type="checkbox"/> Extend
<input type="checkbox"/> Channel	<input type="checkbox"/> Dike
<input type="checkbox"/> Culvert (Size <u>18"</u>)	<input type="checkbox"/> Erosion Control
<input type="checkbox"/> Bridge (Size _____)	<input type="checkbox"/> Tile
<input type="checkbox"/> Dam	<input type="checkbox"/> Other

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

Description of work to be done:	put culvert across road and put larger culvert in crossing
Estimated drainage area: acres <u>80</u> or sq. mile(s) _____	
Work is necessary because:	Water is retained too long on this field and we are just trying to minimize our losses when the heavy rains come

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 landowner:	Date:
	8/1/19



For Office Use Only P.A. No.	19111
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Useldinger



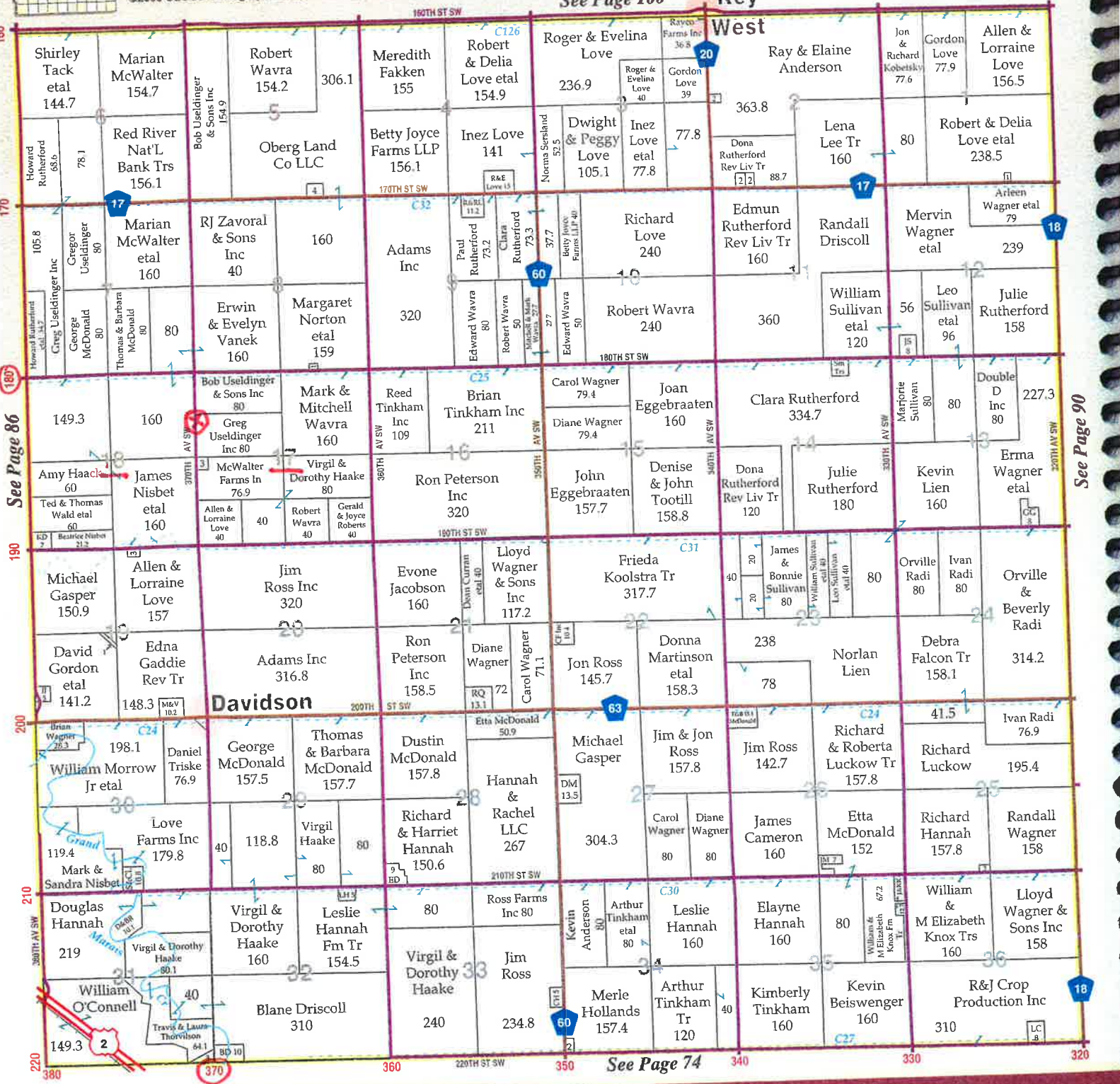
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Crookston, MN 56716
P.218.281.7800
F.218.281.7700
www.americinnofcrookston.com



Permit # 19-115

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Poplar River Township	24634 230th Avenue SE Brooks, MN 56715		tel: mobile: 218-689-9754 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Poplar River** Range: **42** Section: **29 1/4**: **SW1/4**

(4) Describe in detail the work to be performed. **Add: 1 line of 36" diameter pipe at two locations. 1-Centerline township road 2-Field entrance next to County Ditch #4 Both locations are in east road ditch of County Road #15**

(5) Why is this work necessary? Explain water related issue/problem being solved. **For road safety. Water over tops roadway (each location currently has one 36" culvert).**

Status

Status	Notes	Date
Approved	None	Aug. 22, 2019
Received	None	Aug. 8, 2019

Conditions

P.A. #19115 – Poplar R. Twp. (Red Lk. Co.) – sec. 29 Red Lake Watershed District (RLWD) approval to install an additional 36 in. diameter culvert at 2 locations as per approval of Red Lake County specs/conditions; proposed work is in County Rd. #15 Right-of-Way. Contact person at Red Lake Co. Hwy. Dept. is Randy Konickson at 218-253-2697. Proposed installations are: ■ 1 - a township road centerline culvert ■ 2 – a field entrance directly downstream of township road culvert Both of the proposed culverts shall be installed at approx. the same flowline elev. as existing pipes. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

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 # 19-116

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Aaron Baldwin		30599 160th Avenue NE Middle River, MN 56737		tel: mobile: 218-686-6455 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall** Township: **Holt** Range: **43** Section: **23 1/4: SE1/4 NE1/4**

(4) Describe in detail the work to be performed. **Install new 18" culvert in driveway.**

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

Status

Status	Notes	Date
Approved		Aug. 15, 2019
Received		Aug. 14, 2019

Conditions

Red Lake Watershed District (RLWD) approval to remove 18" diameter driveway culvert and replace with an 18" diameter 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 # 19-117

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Marhsall County Highway Department	447 South Main Warren , MN 56762		tel:218-201-1424 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall** Township: **East Valley** Range: **42** Section: **8 1/4**:

(4) Describe in detail the work to be performed. **Remove 24"+30" diameter field entrance culverts, install single line of 36" diameter culvert.**

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

Status

Status	Notes	Date
Approved		Aug. 21, 2019
Received		Aug. 15, 2019

Conditions

Red Lake Watershed District (RLWD) approval to remove a field crossing with 24" and 30" diameter culverts and replace with a 36" diameter 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 # 19-118

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Thomas Lewis		10450 380th Avenue SE Goodridge, MN 56725		tel:218-378-4303 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Hickory** Range: **39** Section: **5 1/4**: **SW1/4**

(4) Describe in detail the work to be performed. **Install 84" culvert in County Ditch #57 for crossing.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **To access field(s) on each side of county ditch.**

Status

Status	Notes	Date
Approved	None	Aug. 22, 2019
Received	None	Aug. 19, 2019

Conditions

P.A. #19118 Red Lake Watershed District (RLWD) approval to install a ditch crossing with an 84 in. diameter culvert, as per approval of Pennington Co. specs/conditions; proposed work is within Penn. Co. Ditch #57 Right-of Way. Contact persons at Pennington Co. Hwy. Dept. are Engineer Mike Flaagen at 218-683-7017 For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

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

Red Lake Watershed District - Administrators Report

August 22, 2019

Red River Watershed Management Board – LeRoy and I attended the RRWMB meeting held 9:30 am on August 20, 2019 at the Roseau River Watershed Board Room in Roseau, Minnesota. Some of the highlights was an update by the Red River Retention Authority on their letter of support to discontinue the Pine Lake RCPP.

Minnesota Association of Watershed District – The timeline for requests for 2019 MAWD Awards Program/Project of the Year ended August 13th. We did not submit anything from our Watershed.

Red Lake Watershed 1W1P – Quotes were opened for the Burnham Creek Project that was submitted by West Polk SWCD. If you remember the quotes sheet was resubmitted to incorporate “Highway Heavy” prevailing wages that were omitted from the previous specification. In short, the low quote came in about 10% higher using the prevailing wages versus not using prevailing wages. I have included in your packet the first quotes that were not awarded with that of the awarded quote. Low quote in both cases was submitted by Wright Construction of TRF. We are in the process of issuing the award to Wright Construction, in preparation of them completing the project this fall.

BR-6 Wildlife Habitat Pool – With the assistance from HDR and MnDNR staff, I am in the process of drafting a grant from Conservation Legacy Funding to assist in funding the repair to the outlet structure of the Wildlife Habitat Pool along the east side of Burnham Creek Impoundment. I hope to have the grant application for review of HDR and MnDNR by this afternoon.

Polk County Ditch #39 Improvement Petition – I attended a meeting with Viewers and Pribula Engineering Thursday August 15th in EGF. Discussion was had on possible benefits to the improvement as well as waters leaving PCD #66 and entering PCD #39. We plan on holding a meeting with the petitioners in the very near future to share this information as well as other concerns.



RED RIVER RETENTION AUTHORITY

1120 28th Avenue North, Suite C - Fargo, ND 58102 - Phone: 701-356-6644

August 12, 2019

To: Lisa Lund
Acting State Conservationist
NRCS
220 East Rosser Avenue; P.O. Box 1458
Bismarck, ND 58502-1458

The Red River Retention Authority (RRRA) has reviewed the request to terminate agreement 68-6322-16-503, a sub-agreement under MOU 14-C-ND-669 with the Red River Retention Authority for the overall Red River basin Regional Conservation Partnership Program (RCPP) project. Agreement 68-6322-16-503 for the Pine Lake Watershed in Minnesota was one of twenty individual agreements written to accomplish Objective 1A of the MOU for developing a PL-566 plan and final designs.

Substantial progress was made in the planning process, with an inter-agency meeting and public scoping meetings being conducted. A watershed project team was organized and utilized in the Natural Resources Conservation Service (NRCS) RCPP watershed planning process. A purpose and need statement was developed, a scoping process was used to prioritize and narrow down potential alternatives to address the needs of the watershed and specifically flooding of homes and cabins on Pine Lake.

In the planning process valuable environmental and engineering data was created and reviewed. This resource inventory data was valuable and was used in development of alternatives. While the Red Lake Watershed District's (RLWD) Project Team did find and evaluate project alternatives that would have met the purpose and need of the watershed project, it did not find a preferred project alternative that was permissible. The basis for this conclusion is due largely to the fact that MN Public Waters Rules requires a permit for on-channel retention projects, for which it was made clear by MN DNR that a permit would be difficult to obtain.

Therefore, since a consensus could not be reached within the Pine Lake Project Team regarding a permissible alternative, the RLWD Board has chosen to discontinue the RCPP watershed planning process.

The RRRA, like the RLWD Board, regrets they are not able to complete the RCPP watershed planning process and advance a planned alternative to a final implementable project. However, the RRRA recognizes this process had value and provided the tools and information necessary to lead the

Board to a logical and practical conclusion in the plan development to address lake elevations and the home and cabin flooding.

The RRRRA recognizes the Red Lake Watershed District's efforts in completing a NRCS Small Watershed Program plan and environmental document. However, based on the facts presented, the RRRRA agrees with the RLWD's decision to terminate further planning efforts on this watershed. It is the RRRRA's belief that technical information and data developed and analyzed by the RLWD, the Project Team and their consultants is of value to watershed residents and water resource planners. It can be used as an informational and technical resource for future watershed and resource planning in this watershed.

The termination of this individual agreement will not effectively decrease the scope of the overall RCPP watershed planning effort and will not impact the ability of the RRRRA to deliver on the objectives of MOU-14-C-ND-669. Currently seventeen of the original twenty planning efforts are actively planning. Several of the RCPP watersheds planning efforts are on track to submit plans to the National Water Management Center for review in the fall of 2019. As plans are approved, it is the intention of the RRRRA/NRCS to enter into new agreements for final design work of selected alternatives as funds are available.

Thank you for your consideration of this request to terminate Agreement 68-6322-16-503.

Sincerely,



John Finney,
Co-Chairman Red River Retention Authority

Cc: Gary Thompson, Co-chair, RRRRA, 1045 150th Ave NE, Mayville, ND 58257-9218
Dale M. Nelson, President, Red Lake Watershed District, 10367 140th St. NW
Thief River Falls, MN 56701
Myron Jesme, Administrator, Red Lake Watershed District, 1000 Pennington Avenue South
Thief River Falls, MN 56701
Troy Daniell, State Conservationist, MN NRCS, 375 Jackson St., Ste. 600, St. Paul, MN 55101
Mary Podoll, State Conservationist, 220 East Rosser Avenue; P.O. Box 1458
Bismarck, ND 58502-1458
Debra Walchuk, Red River Basin Coordinator, NRCS, Thief River Falls, MN 56701
Keith Weston, Executive Director, RRRRA, 1120 28th Ave. N., Ste. C, Fargo, ND 58102