

RED LAKE WATERSHED DISTRICT

May 13, 2021, 9:00 a.m.

Agenda

The meeting has a Zoom option due to the current pandemic situation.

[Join by Zoom Meeting](#)

Telephone: 1-312-626-6799 Meeting ID: 935 9877 4238

Passcode: 516985

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	April 22, 2021 Minutes	Action
	Financial Report dated May 12, 2021	Action
	Ditch 12, RLWD Project No. 169-Culvert Replacement	Info./Action
	West Polk SWCD Cost Share Request	
	Hangsleben Project	Action
	Bouchee Project	Action
	Ditch 10, RLWD Project No. 161-Repairs to Outlet Change Order No. 1	Info./Action
	Black River Impoundment, RLWD Project No. 176	Information
	Change Order No. 2	Action
	Pay Estimate No. 6	Action
	City of TRF Oxbow Rest. & Stormwater Treatment, RLWD Proj. 46Q	Info./Action
	Pine Lake Flood Damage Reduction & Fish Habitat, RLWD Proj. 26B Easements	Info./Action
	Ditch 16, RLWD Project No. 177-Century Link	Information
	BR-6 Impoundment, RLWD Project 43A-NRCS Inspection	Information
	Well Interference Investigation-MnDNR Letter, Red Lake County	Information
	Water Quality Sonde Quote	Action

Permits: No. 21038, 21040, 21041, 21044-21055	Action
Disposal of Excess Property	Info./Action
Administrators Update	Information
Legal Counsel Update	Information
Managers' updates	Information
Adjourn	Action

UPCOMING MEETINGS

May 18, 2021	RRWMB Board Meeting, virtual 9:00 a.m.
May 27, 2021	RLWD Board Meeting, 9:00 a.m.
May 31, 2021	Office Closed-Memorial Day
June 10, 2021	RLWD Board Meeting, 9:00 a.m.
June 24, 2021	RLWD Board Meeting, 9:00 a.m.

DRAFT

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
April 22, 2021

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

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

The Board reviewed the April 8, 2021 minutes. Motion by Sorenson, seconded by Anderson, to approve the April 8, 2021 Board meeting minutes as presented. Motion carried.

The Board reviewed the Financial Report dated April 21, 2021. Motion by Tiedemann, seconded by Dwight, to approve the Financial Report dated April 21, 2021. Motion carried.

The legal survey for the Ditch 10 Outlet Repairs, RLWD Project No. 161 has been completed. The next step will be to draft up the easements and send to the landowners for signature. A pre-construction meeting was held on April 13, 2021, with construction slated to begin on April 26, 2021.

The Contractor for the Thief River Falls Westside Flood Damage Reduction Project, RLWD No. 178, has not begun the punch list items for completion of the project.

Administrator Jesme stated that he was informed by the MnDNR that if we were to apply for MnDNR CPL or a Federal grant for Pine Lake FDR and Fish Habitat Project, RLWD 26B, the earliest the grant would be awarded is for construction season 2022. Discussion was held on moving forward with the construction of the project, without waiting for funding assistance for the habitat portion of the project due to the increase of construction costs by waiting an additional year. Motion by LeRoy Ose, seconded by Tom Anderson, that the District move forward with construction of the Pine Lake FDR and Fish Habitat Project, RLWD Project No. 26B, without waiting for possible habitat grants.

Engineer Tony Nordby, Houston Engineering, Inc., stated that Red Lake Electric and Garden Valley Technologies, are on site moving utilities for the diversion ditches on the Black River Impoundment, RLWD Project No. 176. Nordby received word that CenturyLink plans to be on-site on April 27th. R.J. Zavoral & Sons, Inc., plan to resume construction mid-May, with pipe crews installing road culverts. Nordby will check into placement of the trees at the Black River Church.

Discussion was held on the appointment of members to the Clearwater River 1W1P Advisory Committee, representing the District. Motion by Anderson, seconded by Dwight, to appoint

landowners, Les Torgerson, Gary Mathis and Larry Peterson, to represent the District on the Clearwater River 1W1P Advisory Committee, RLWD Project No. 149B. Motion carried.

The Board reviewed correspondence from Gary Mathis requesting information on the Redetermination of Benefits on Judicial Ditch 72, RLWD Project No. 41. Administrator Jesme stated that the hearing for the Redetermination of Benefits will be reconvened on June 24, 2021.

The Board reviewed a proposal for financial support for analysis of lake samples on Bartlett Lake, near Northome, MN, at an approximate cost of \$320 per year. Samples will be gathered by a local volunteer. Motion by Dwight, seconded by Sorenson, to approve financial support, not to exceed \$500 per year for analysis of lake samples on Bartlett Lake, RLWD Project No. 46. Motion carried.

The Board reviewed Permit No. 21039, Polk County Highway Department, Crookston Township, Polk County. Staff member Nick Olson noted that the centerline pipe through CSAH 11, calls for the installation of a 60" RCP or equivalent size arch pipe. Motion by Sorenson, seconded by Ose, to approve Permit No. 21039, Polk County Highway Department, with conditions stated on the permit. Motion carried. Landowners Dan Bratvold and Mike Bouche discussed the possible placement of a screw gate, further discussion was had on all the land development in the area, and potential for a petition to improve the legal drainage system.

At 9:30 a.m., President Dale M. Nelson recessed the general meeting and called the hearing to order for the Petition for Use of a Legal Drainage System submitted by Wayne and Debra Vettleson for the inclusion of land into RLWD Ditch No. 1, Lateral C, RLWD Project No. 115. Administrator Jesme presented information in regard to the proposed property to be included into the benefitted area of RLWD Ditch No. 1, Lateral C RLWD Project No. 115, discussing the statutory factors to be considered by the Board. The Board reviewed the Engineer's Findings and Recommendations as prepared by Engineer Nate Dalager, HDR Engineering, Inc. After entertaining questions from the Board, and receiving comments from the public, motion by Tiedemann, seconded by Dwight, to close the hearing. Motion carried. Motion by Ose, seconded by Tiedemann, that based on the Engineers' Recommendations of no adverse downstream effects, sufficient capacity and adequate outlet with the addition of the petitioned for real property and pending the determination and payment of contingent costs billed to the landowner for petition proceedings, outlet fee and determination of benefits for future maintenance, for RLWD Ditch No. 1, Lateral C, RLWD Project No. 115, that the petitioned properties to be included into the RLWD Ditch 1, Lateral C, RLWD Project No. 115 be allowed. Motion carried. Motion by Sorenson, seconded by Anderson, to approve the Petition submitted by Wayne and Debra Vettleson, as submitted. Motion carried.

The Board reviewed a letter drafted by Staff member Nick Olson, to landowners Aaron and Jill Chervestad, regarding non-permitted work located in Section 25, Kratka Township, Pennington County. Olson stated that the landowner cleaned along a county road ditch and installed a culvert, without applying for the proper permits. Motion by Ose, seconded by Tiedemann, to approve submittal of the violation letter to landowners Aaron and Jill Chervestad, regarding non-permitted work. Motion carried.

Motion by Page, seconded by Tiedemann, to approve RLWD Permit No. 20207, Darrell and Danny Payment, Terrebonne Township, Red Lake County, with conditions stated on the permit. Motion carried.

Motion by Dwight, seconded by Tiedemann, to approve RLWD Permit No. 20264, Jeff Steer, Brandt Township, Polk County, with conditions stated on the permit. Motion carried.

Motion by Sorenson, seconded by Anderson, to withdraw RLWD Permit No. 21029, CM Farmland Holdings, GP, Winsor Township, Clearwater County. Motion carried.

Motion by Ose, seconded by Page, to approve the following permits with conditions stated on the permit: No. 21028, Eric Samuelson, Andover Township, Polk County; No. 21032, Lake Pleasant Township, Red Lake County; No. 21033, Curtis Swanson, Bray Township, Pennington County; No. 21035, Brian J. Moyer, Norden Township, Pennington County; No. 21036, Godfrey Township, Polk County; No. 21037, Kevin Capistran, Gentilly Township, Polk County; and No. 21042 and 21043, Wayne Vettleson, Equality Township, Red Lake County. Motion carried.

Administrator Jesme stated that two individuals were interviewed for the Ditch Inspector/Technician II position and four individuals were interviewed for the Engineer Senior/Hydro II position. The Budget and Salary Committee recommended hiring Anthony Olson for the Ditch Inspector/Technician II position, at a Step 3 level at an hourly rate of \$20.83, plus benefits; and Nathan Koland for the Engineer Senior/Hydro II position, at a Step 4 level at an hourly rate of \$29.62, 5 years of service for vacation leave, plus benefits. Motion by Dwight, seconded by Page, to approve the hiring of Anthony Olson and Nathan Koland at the hourly rates as stated, with benefits. Motion carried. Jesme indicated that Olson will start on April 26th, with Koland beginning employment on May 10th.

Administrators Update:

- Jesme and Manager Ose participated in the RRWMB meeting held on April 20, 2021.
- Staff member Hanson participated in the Pennington County WRAC meeting held on April 12th.
- Jesme and Staff members Slowinski and Olson participated in the RLWD Ditch 10, Project No. 161, pre-construction meeting held on April 13th.
- The Red Lake River 1W1P Policy Committee met on April 14th to review present and new projects.
- The Clearwater River 1W1P Planning Work Group meet on April 21st.
- Jesme and Nate Dalager met with the Euclid East Impoundment downstream landowners to discuss the findings of the survey and what the next steps should be to move forward.
- Jesme, Manager Dwight and Staff member Hanson participated in the Bartlett Lake Planning Work Group meeting held on April 15th.

Administrator Jesme discussed an invoice recently received from CenturyLink in the amount of \$30,914.37 for work completed during the construction of RLWD Ditch 16, RLWD Project No. 177. Jesme referenced the first estimate received from CenturyLink dated September 6, 2019, was in the amount of \$303,748.60. After discussion with CenturyLink staff, they submitted

another quote dated September 12, 2019 in the amount of \$127,875.54. Jesme again disagreed with the amount of the quote and after another call, they submitted a final quote in the amount of \$68,683.37, which the District reluctantly approved. As part of the agreement, the District paid 50% of the agreement in the amount of \$34,341.68 before they would start working. Jesme indicated that the scope of work shown in the agreement has changed and he feels no balance should be owed. Engineer, Jerry Pribula, has detailed notes of when CenturyLink was on site and he also feels the project should not owe CenturyLink any further funds. Jesme also reminded the Board, they approved payment to Burski Excavating of additional funds to complete work that CenturyLink was originally slated to complete. It was the consensus of the Board, that Jesme and Legal Counsel Sparby draft a letter, with the assistance from Engineer Jerry Pribula, to submit to CenturyLink, disputing the remaining balance.

Legal Counsel Delray Sparby stated that the Appeal Hearing for the Improvement to Polk County Ditch 39, RLWD Project No. 179, will be held on May 7, 2021 at 1:00 p.m. Sparby will send out the Zoom link to the Board.

Motion by Dwight, seconded by Ose, to adjourn the meeting.

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for May 12, 2021

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	3,639.32
online	MN Department of Revenue	Withholding taxes	656.83
online	Public Employees Retirement Assn.	PERA	2,271.94
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	162.95
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	101.74
online	MN Department of Revenue	Withholding taxes	3.01
38801	City of Thief River Falls	Electricity, water, sewer, etc.	534.56
38802	Les's Sanitation, Inc.	Garbage pickup	35.74
38803	Sjoberg's Cable TV	Internet expense	106.95
38804	Cenex Credit Card	Gas for vehicles	306.54
38805	MN Energy Resources Corp	Heating expense	21.23
38806	Aramark	Office rug rental	47.39
38807	Tammy Audette	Clean offices in April	280.00
38808	Mark Beito	Remove 28 beaver from Moose River Impoundment area	2,100.00
38809	Joe H. Cyr	Remove 5 beaver from Burnham Creek area	375.00
38810	Delta Dental	Dental insurance premium	409.75
38811	E&A Services LLC	Sweep office parking lot	200.00
38812	Farmers Union Oil Company	Gas for vehicles	492.52
38813	Frontier Precision, Inc.	Batteries for Trimble	722.34
38814	Jamy Fuglseth	Remove 3 beaver from Burnham Creek	225.00
38815	HDR, Inc.	*See below for engineering fees explanation	29,719.35
38816	Brent Hemly	Remove 19 beaver @ Moose River Imp. & 3 @Pine Lake	1,650.00
38817	Hugo's #7	Meeting and water quality supplies	144.02
38818	Tom Kolstoe	Remove 4 beaver from Burnham Creek	300.00
38819	Marco	Copier maintenance-\$85.86 & Telephone expense-\$351.23	437.09
38820	NCPERS	Life insurance premium	96.00
38821	Dale M. Nelson	Mileage	34.72
38822	Northwest Beverage, Inc	H2O for office	63.25
38823	Northwestern Mutual Financial	Deferred Compensation	1,038.94
38824	Oil Boyz	Oil change on Traverse	61.13
38825	Richards Publishing	Legal ad for Vettleson tile outlet hearing-Proj. 115	120.00
38826	Sun Life Financial	Life insurance premium	103.65
38827	Thomson Reuters - West	MN State Statutes update	101.00
38828	Widseth Smith Nolting	Threatt ring dike engineering fees	2,293.75
38829	Bray Township	Temporary and Permanent easements-Black River Impound.	714.64
38830	Pribula Engineering, PLLC	Boundary line survey-Ditch 10	1,645.00
direct	Further	Medical FSA	25.82
online	Further	HSA staff contributions	177.50
direct	Blue Cross Blue Shield	Health insurance premium	2,581.00
direct	Brian Dwight	Mileage	379.68
direct	Terry Sorenson	Mileage	142.80
38770	Richards Publishing	Voided check	(126.00)
	Payroll		
	Check #12207-12217		12,604.32
	Total Checks		<u>\$ 67,000.47</u>

**** HDR Engineering Inc.**

Proj.115 Vettleson tile outlet ditch	292.50
Proj. 20 Reinbold tile outlet ditch	292.50
Proj. 26B Pine Lake FDR	14,491.59
Proj. 60C Euclid East Outlet Channel	5,460.64
Proj. 149A TR1W1P-Mud Rvr Restor.	<u>9,182.12</u>
Total	29,719.35

Banking

Northern State Bank

Balance as of April 21, 2021	\$ 171,173.54
Total Checks Written	(67,000.47)
Receipt #989930 Northern State Bank-Monthly interest	56.41
Balance as of May 12, 2021	<u>\$ 104,229.48</u>

Current interest rate is .20%

American Federal Bank-Fosston

Balance as of April 21, 2021	\$ 2,825,221.70
Receipt #989928 RRWMB-PWT partial reimbursement for Qtr. #2	853.53
Receipt #989929 Athena S.Threatt-Additional cost share for ring dike	10,575.00
Receipt #989931 American Federal Bank-Monthly interest	1,509.38
Receipt #989932 Loren/Marjean Sanderson-Reimburse for health and dental insurance	795.45
Receipt #989933 Unity Bank-Quarterly interest on CD	409.64
Balance as of May 12, 2021	<u>\$ 2,839,364.70</u>

Current interest rate is .50%

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

Wayne Thoreson

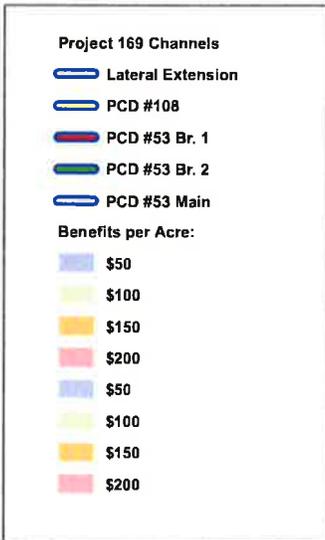
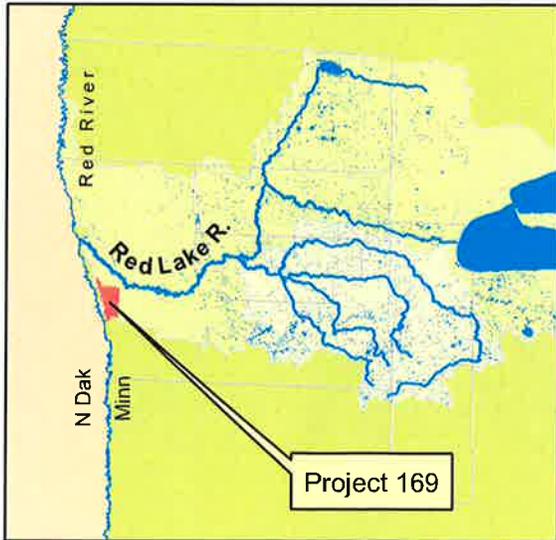
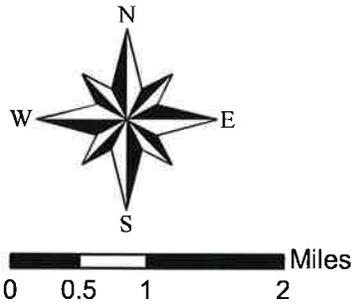
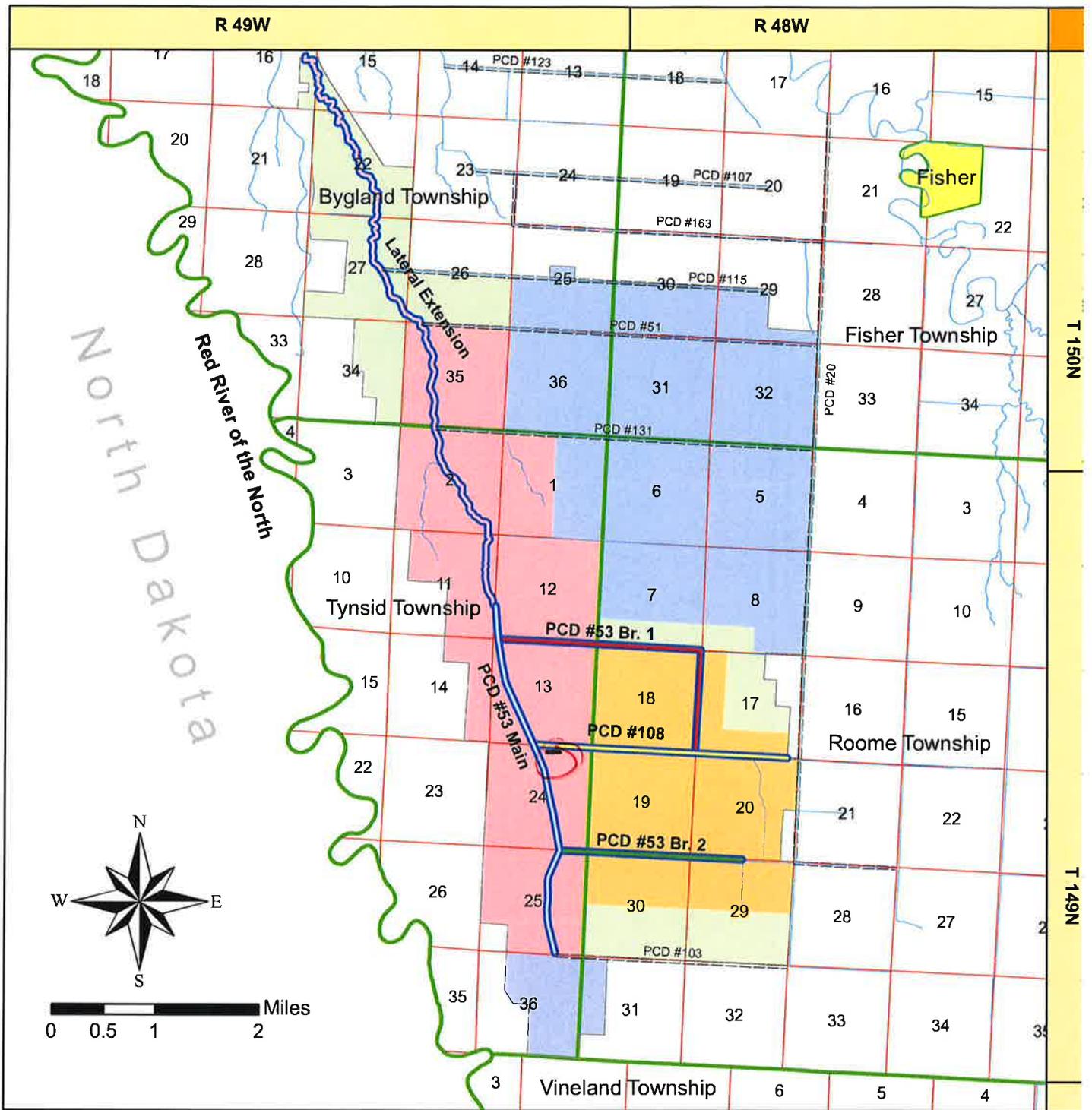
218. 280. 1375

PCO 108 - RLLD Proj. 169

N. End Section 24 -

72" Culvert Failure

- o No Permit on Record.
- o No Crossing on Record
- o



Red Lake Watershed District
Project 169
RLWD Ditch 12

Polk County
 Red Lake River Subwatershed

Scale: 1:88,900

Mile
 0 0.5 1



310th St SW

RLWD Ditch 2 BRANCH 108

RLWD Ditch 18 Main

72" CMP
Culvert FAILURE

380th Ave SW

222

Tynsid

Polk

Roome

13

18

24

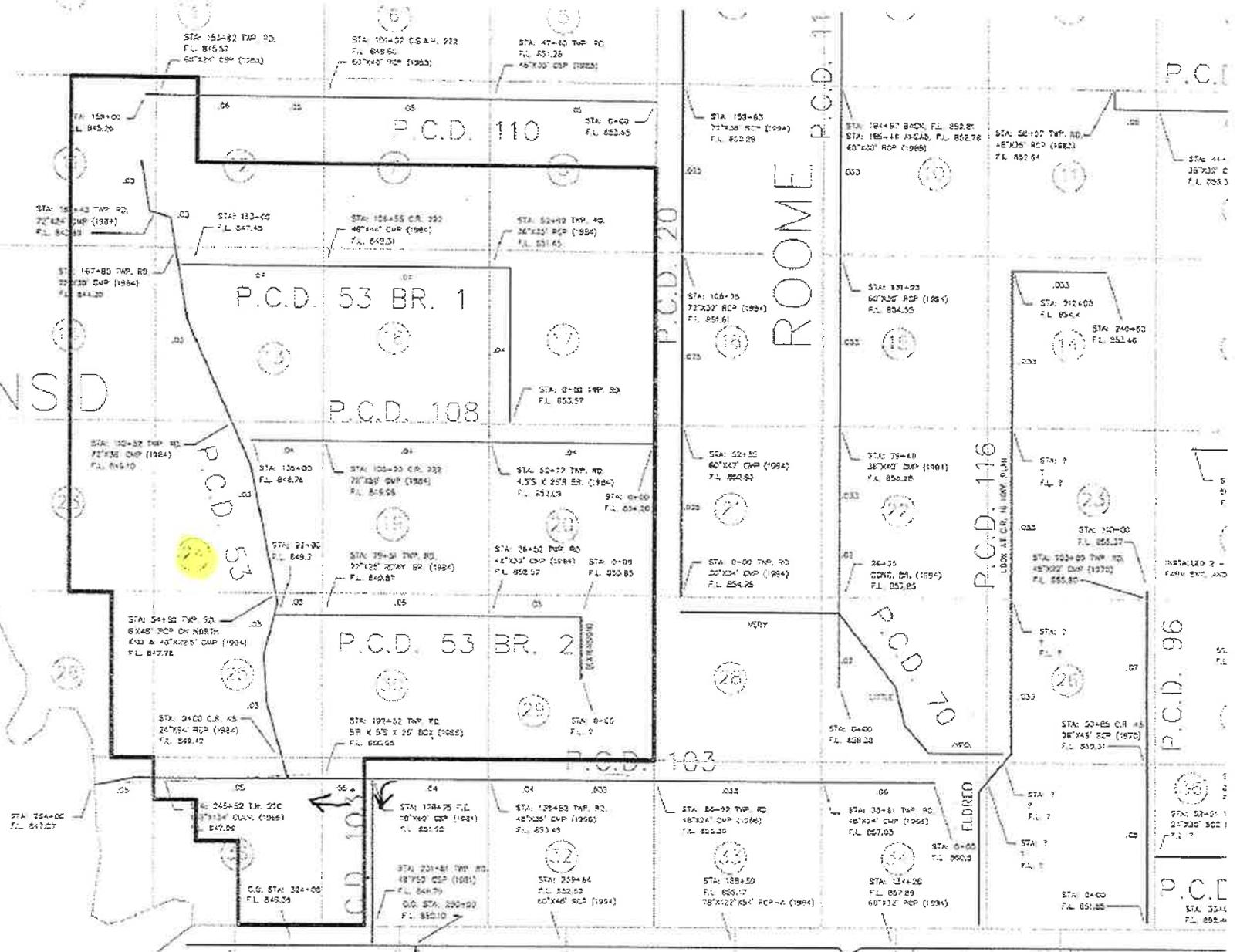
19



Legend

- ditches
- PWI watercourses
- PWI basins

TYNSSD



Basic Info of C.D. 53.

grade - Ben. Area
pipes
Flows

C.D. 53

1987

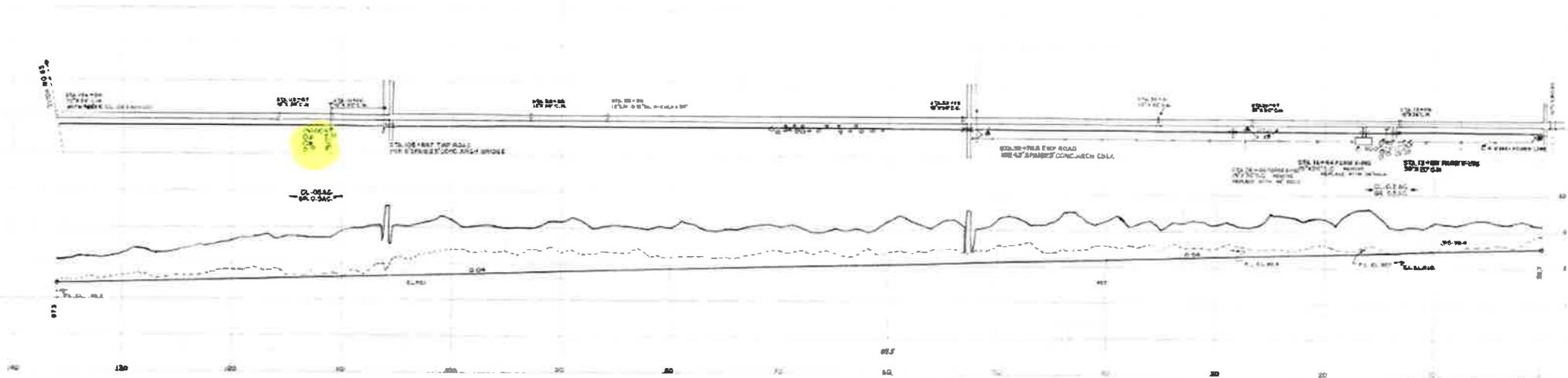
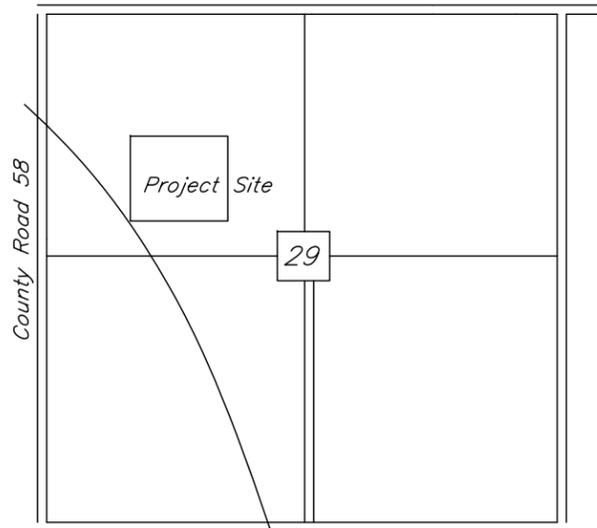


EXHIBIT B
PROFILE OF REPAIR OF COUNTY DITCH NO. 108
POLK COUNTY MINNESOTA

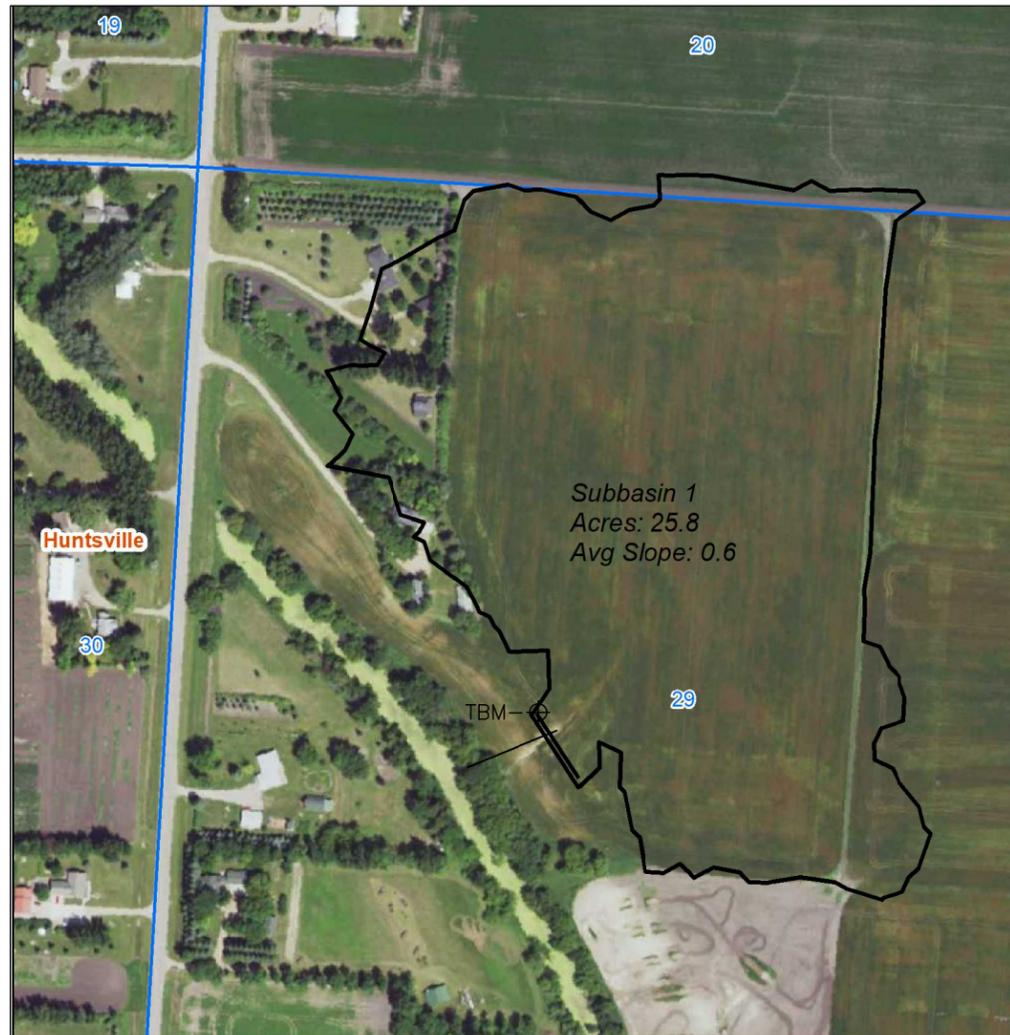
JUNE 1954

June 1954

Boushee Project
West Polk County



210th ST SW
T-151N - R-49W - S29
Huntsville Township



Plan View
(not to scale)

TBM: Elevation 836.88

50 feet NW of planned inlet @ CL RDS dike.

Coordinate system used:
UTM 15 - GEOID 18 - US Survey Feet

Reference	Northing	Easting	Plan Elev
Inlet-1	17421116.1	665629.6	830.6
Outlet-1	17421047.9	665458.8	819.0

Estimated Quantities

Item	Construction	Material	Estimated	As-Built	Unit
Pollution Control	MN-5		1		LS
Dike	MN-23		80		LF
24" DW Gasketed Pipe	MN-44	MN-548	200		LF
24" Riser/Trash Rack	MN-45	MN-548	1		EA
Rock Riprap Protection	MN-61	MN-523	6		CY

Sheet	Title
1	Cover Sheet
2	Inlet Installation Details
3	Riser/Trash Rack Details

Cooperator/NRCS Agreement

I have reviewed and understand the plans and specifications and agree to complete the work accordingly. Failure to meet these plans and specifications may jeopardize any cost share applied for. I understand that it is my responsibility to secure all necessary permits and licenses, and to complete the work in accordance with all local, state, and federal laws. Modifications of these plans or specifications must be approved by Natural Resources Conservation Service before installation. I assume responsibility for negotiations and agreements with the contractors.

Cooperator _____ Date _____

NRCS Representative _____ Date _____

Utility Notice

Before the start of construction, the owner(s) of any utilities must be notified. The excavator is responsible for giving notice by calling "Gopher State One-Call" (800) 252-1166 at least 48 hours prior to any excavations.

Gopher # _____

Practice Certification

The contract items within these construction plans are installed and meet NRCS Practice(s) Standards. I certified that I have EJAA authority to determine that the installed contract practice(s) meet NRCS Practice(s) Standards.

Submitted By _____ Date _____

As-built Drawing

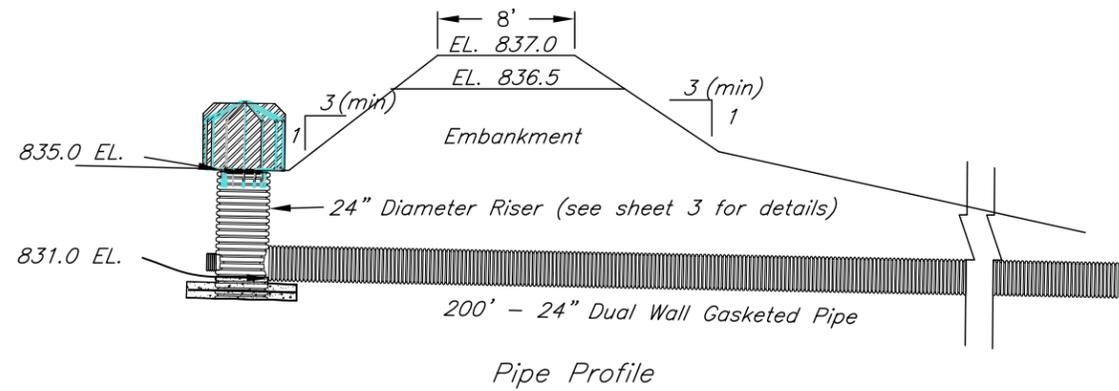
Submitted By _____ Date _____

Date	Designed	Drawn	Checked	Approved
4/2021	REH	REH		
4/2021				

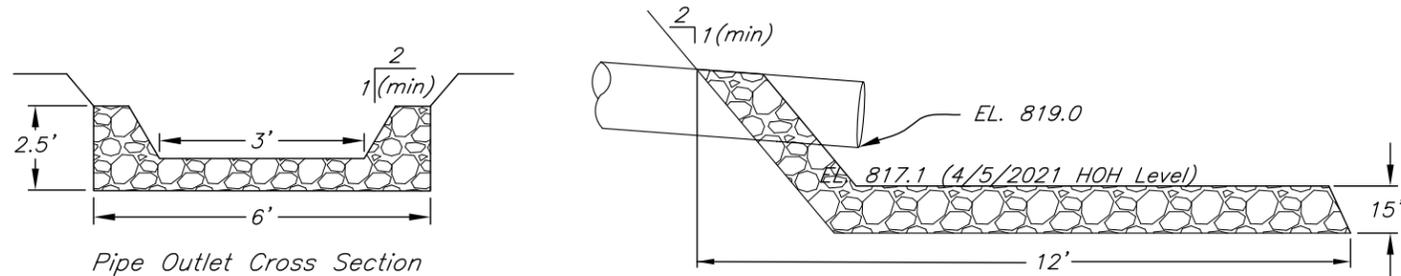
Boushee Pipe Drop Project
Plan View & Estimated Quantities



EJC III



Pipe Profile



Outlet Protection Details

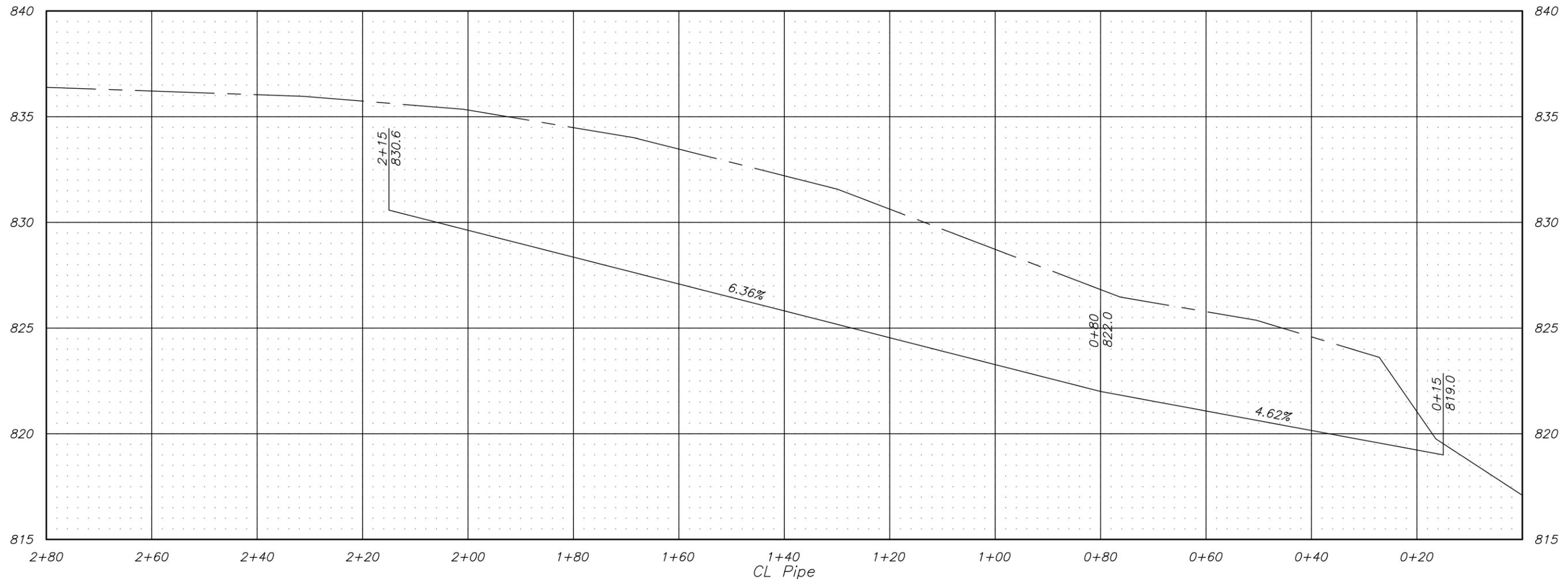
Construction Notes

1. Pipe gasket and bell must be clean and free of any dirt or foreign material. Spigot must always be pushed into the bell and be properly homed.
2. Trench width recommendation is 1.5 times the O.D. plus 12". Trench depths greater than 5' require OSHA approved trenching procedures.
3. Trench Bottom: A rounded trench is the preferred trenching method and may be formed with half circle attachment to a excavator bucket, also referred to as a "spoon".
4. Initial Backfill: Initial backfill shall be placed in lifts of 4 - 6" uniformly on each side of the pipe. If spoon trench bottom procedure is not implemented, hand tamping and shoveling under the pipe is required to fill voids. Avoid stones or clods > 1.5" to come in contact with the pipe.
6. Final backfill & Embankment fill: Shall be place in lifts not to exceed 9" before compaction. Embankment fill shall be a clay soil and placed in lifts not to exceed 5" before compaction. Dozer compaction will require complete coverage of the area with the track between lifts.

MNDOT III Riprap Gradation	
100%	18"
75%	12"
50%	9"
10%	3"
24"-Thickness	

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

Trench Spoon Dimensions

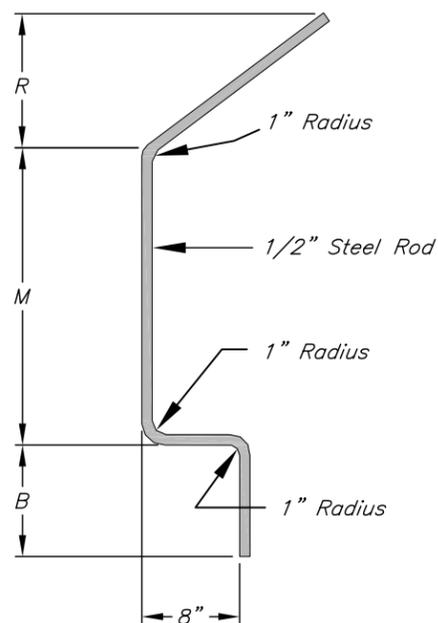


Date	4/2021
Designed	REH
Drawn	REH
Checked	
Approved	

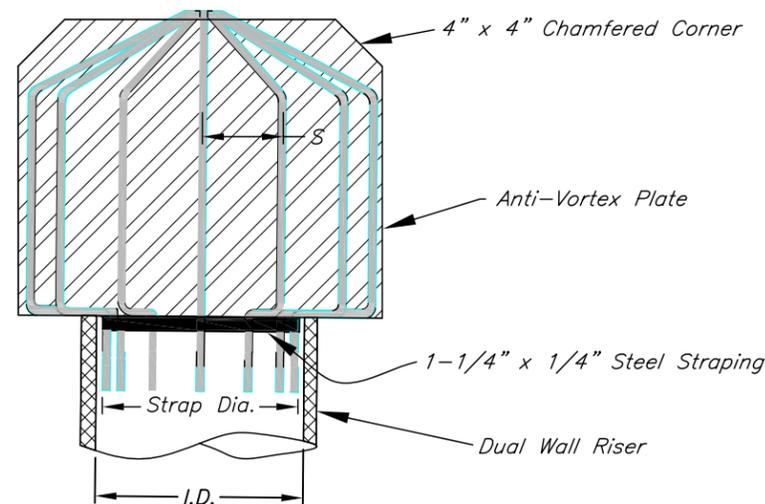
Boushee Pipe Drop Project
Embankment & Profile Details



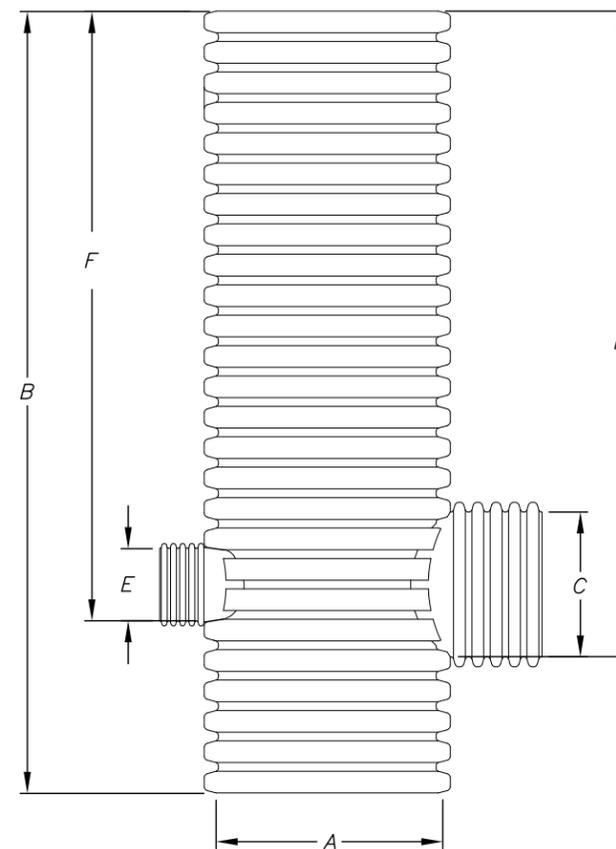
Eng. Job Class III



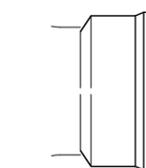
Rod Bending Detail



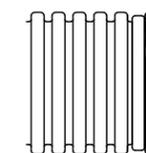
Trash Rack / Anti-Vortex Detail



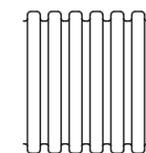
Dual Wall Riser Detail



Intergal Bell

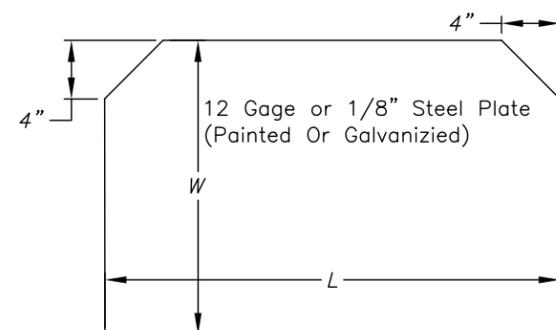


Spigot



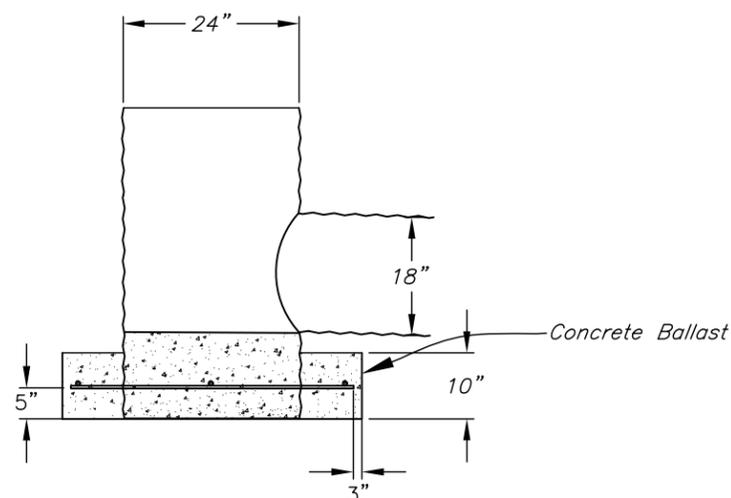
Plain End

Riser Stub Types

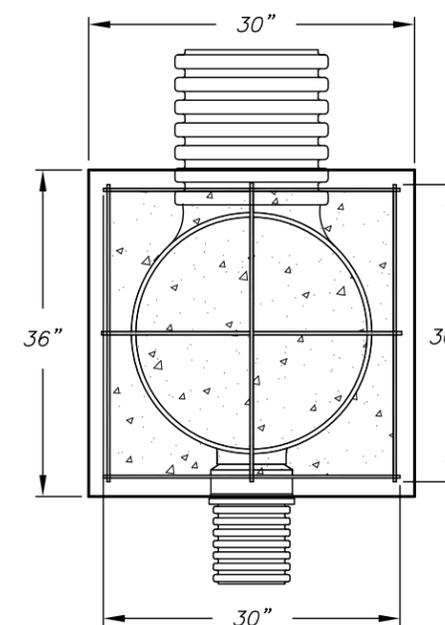


Anti-Vortex Detail

Riser Information	Plan	As-Built
Riser Diameter (A)	24"	
Riser Height (B)	5'	
Outlet Stub Diameter (C)	24"	
Outlet Stub End Type (C)	Spigot	
Outlet Stub Height (D)	4'	
Stub Diameter (E)	N/A	
Stub Height (F)	N/A	



Riser Ballast Detail



Trash Rack & Anti-Vortex Dimensions								
Pipe I.D. In.	Strap Dia. In.	S In.	B In.	M In.	R In.	T In.	W In.	L In.
12	11 1/4	5-6	9	9	12	4	20	28
15	14 1/4	5-6	9	9	13	5	21	31
18	17 1/4	6-7	9	9	14	6	22	34
24	23 1/4	7-8	12	15	11	8	25	40
30	29 1/4	8-9	12	18	10	10	27	46

Date 4/2021
 Designed reh
 Drawn reh
 Checked
 Approved

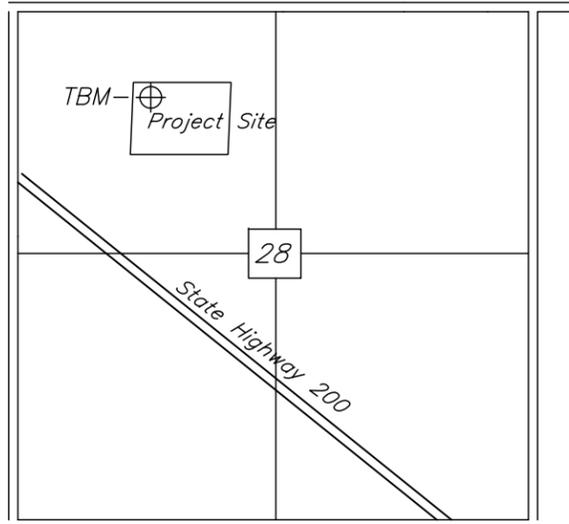
Boushee Pipe Drop Project
 Riser & Trash Rack / Anti-Vortex Details

United States Department of Agriculture
 Natural Resources Conservation Service

Drawing Date 4/2021
 Eng Job Class III

Sheet 3 of 3

Hangsleben Project
West Polk County

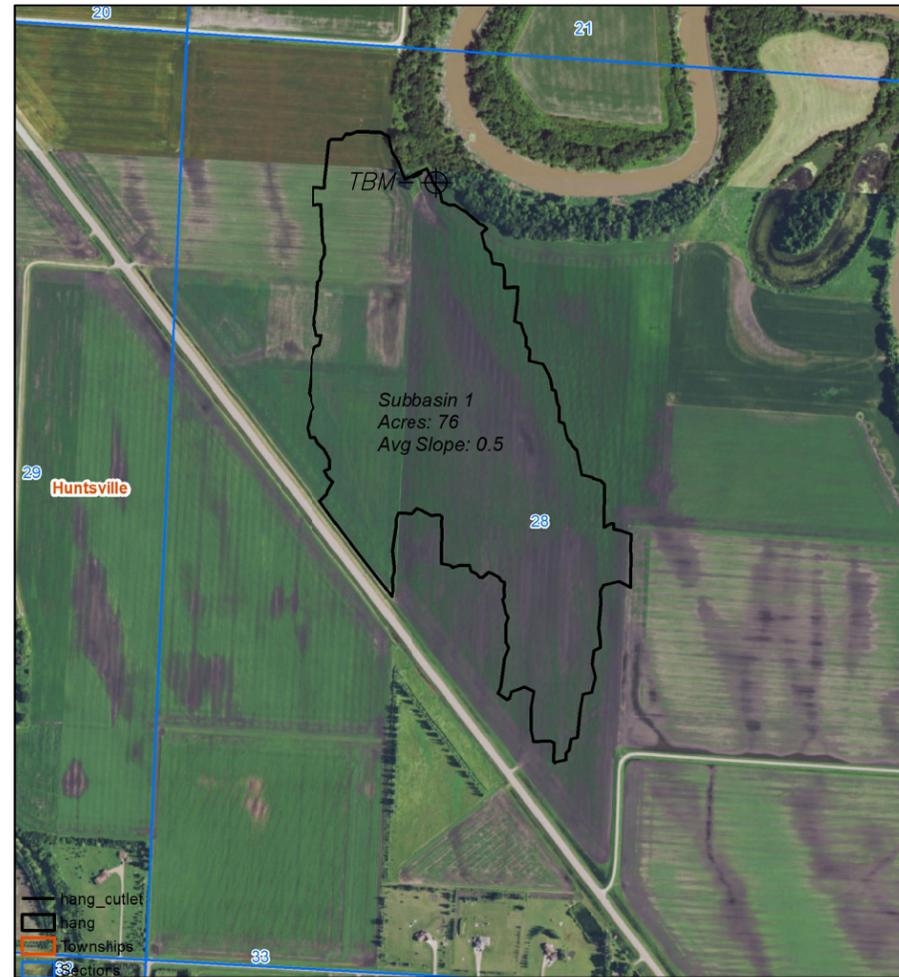


210th ST SW
T-144N - R-41W - S4
Huntsville Township

TBM: Elevation 835.52

TBM @ 48 feet NE of Inlet CI of dike left downstream.

Coordinate system used:
Minnesota-UTM15-GEOID18-US Survey Feet



Plan View
(not to scale)

Cooperator/NRCS Agreement

I have reviewed and understand the plans and specifications and agree to complete the work accordingly. Failure to meet these plans and specifications may jeopardize any cost share applied for. I understand that it is my responsibility to secure all necessary permits and licenses, and to complete the work in accordance with all local, state, and federal laws. Modifications of these plans or specifications must be approved by Natural Resources Conservation Service before installation. I assume responsibility for negotiations and agreements with the contractors.

Cooperator _____ Date _____

NRCS Representative _____ Date _____

Utility Notice

Before the start of construction, the owner(s) of any utilities must be notified. The excavator is responsible for giving notice by calling "Gopher State One-Call" (800) 252-1166 at least 48 hours prior to any excavations.

Gopher # _____

Reference	Northing	Easting	Plan Elev
Inlet-1	17421020.5	671557.6	833.0
Outlet-1	17421132.3	671526.4	825.0

Estimated Quantities

Item	Construction	Material	Estimated	As-Built	Unit
Pollution Control	MN-5		1		LS
Dike	MN-23		100		LF
24"-Gasketed DW Pipe	MN-44	MN-548	120		LF
30" x 24" x 5' Riser	MN-45	MN-548	1		EA
30" Trash Racks	MN-81/82	MN-581/582	1		EA
Gully Fill	MN-23		165		CY
Outlet Rock Riprap Protection	MN-61	MN-523	7		CY

Sheet	Title
1	Cover Sheet
2	Embankment and Pipe Installation Details
3	Trash Rack & Riser Details

Practice Certification

The contract items within these construction plans are installed and meet NRCS Practice(s) Standards. I certified that I have EJAA authority to determine that the installed contract practice(s) meet NRCS Practice(s) Standards.

Submitted By _____ Date _____

As-built Drawing

Submitted By _____ Date _____

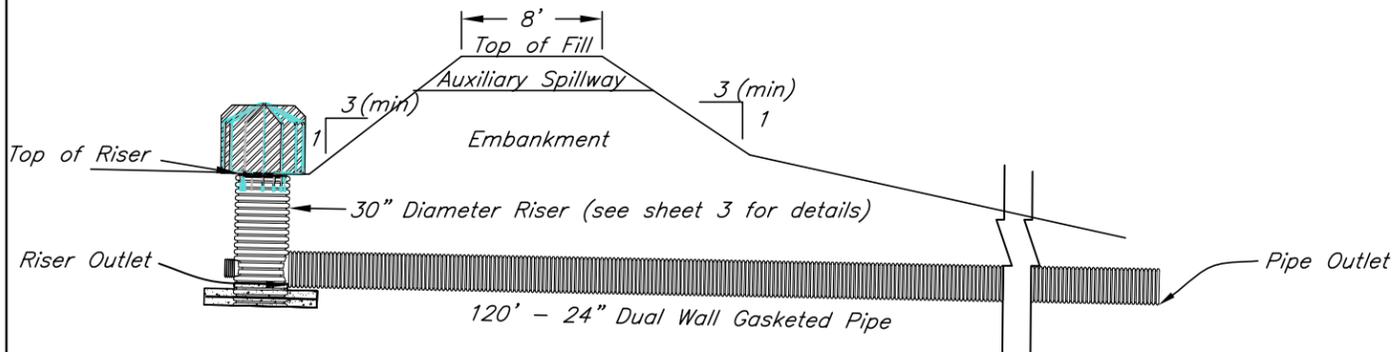
Date	REH	REH	REH
4/2021			
4/2021			

Hangsleben Drop Project
Plan View & Estimated Quantities

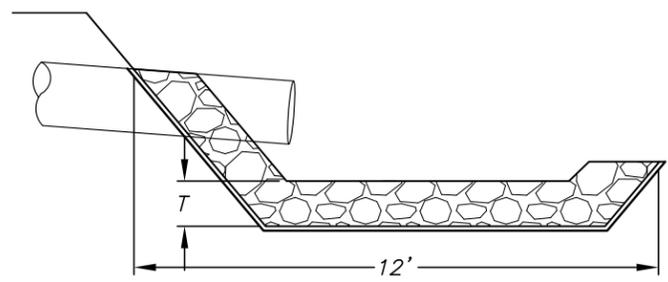
United States Department of Agriculture
Natural Resources Conservation Service

EJC III

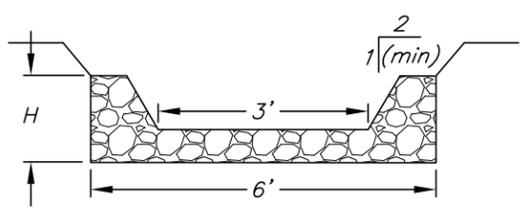
Sheet 1 of 3



Pipe Profile



Pipe Outlet Profile



Pipe Outlet Cross Section

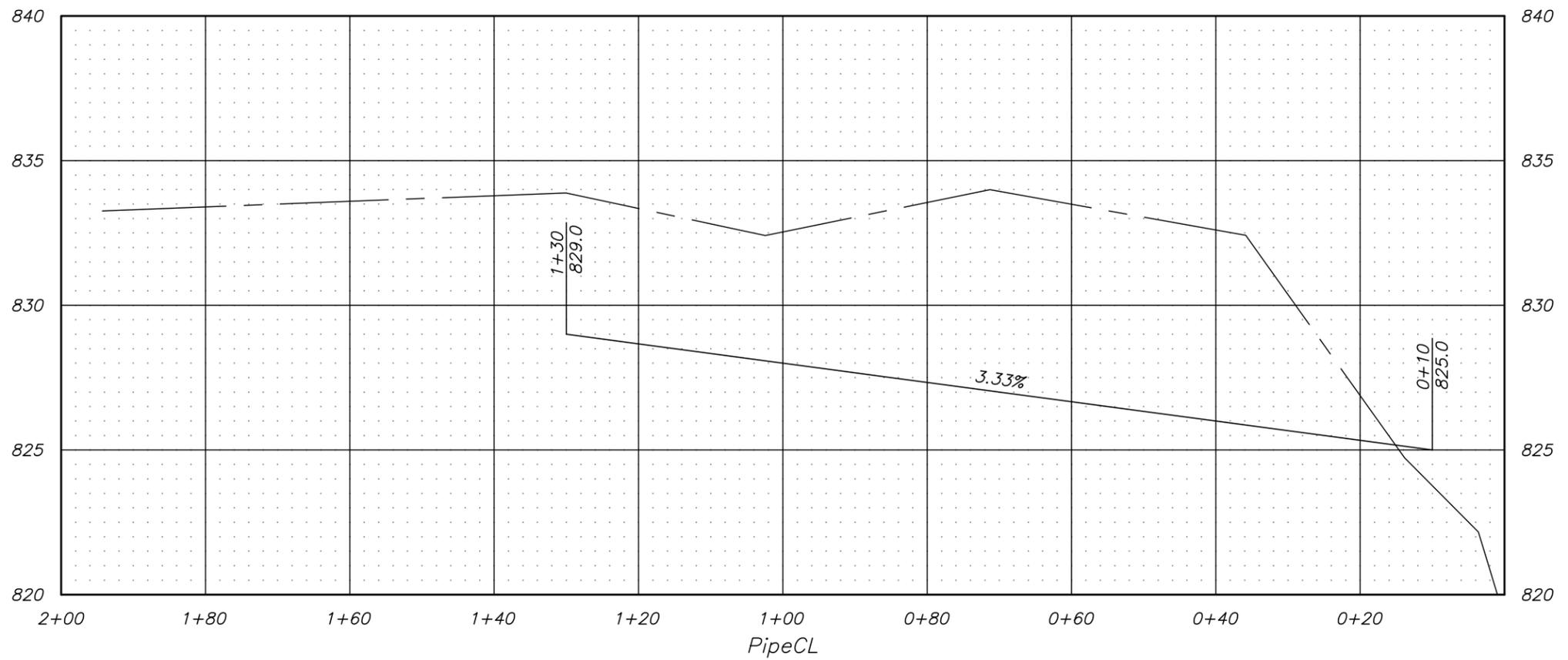
Outlet Protection Details

Construction Notes

- 1. Pipe Installation:** Pipe gasket and bell must be clean and free of any dirt or foreign material. Spigot end must always be pushed into the bell end and be properly homed as indicated on the pipe corrugations.
- 2. Trenching:** Trench width recommendation is 1.5 times the O.D. plus 12". Trench depths greater than 5' require OSHA approved trenching procedures.
- 3. Trench Bottom:** The rounded trench bottom should closely fit the outside of the pipe to provide sufficient support of the pipe. A rounded trench may be formed with half circle attachment to a excavator bucket, also referred to as a "spoon".
- 4. Initial Backfill:** Fill material under the pipe haunch (lower third) should be free of rocks and soil clods over 3" in diameter. Initial backfill shall be placed in lifts of 4 - 6" uniformly on each side of the pipe. If spoon trench bottom procedure is not implemented, hand tamping and shoveling under the pipe is required to fill voids.
- 5. Final backfill & Embankment Fill:** Fill material over the pipe haunch and embankment should be free of rocks and soil clods over 6" in diameter. Fill should be compacted to a density equal to adjoining undisturbed ground. Dozer compaction will require at a minimum complete coverage of the area with the tracks and lifts not to exceed 5" before compaction.

MNDOT Class II	MNDOT Class III
Pipe Q < 25 cfs	Pipe Q < 38 cfs
T - 15"	T - 24"
H - 2.5'	H - 3'
100% - 12"	100% - 18"
75% - 9"	75% - 12"
50% - 6"	50% - 9"
10% - 2"	10% - 3"

Riser Information	Str-#1	As-Blt
Station	1+30	
Top of Fill	836.0	
Auxiliary Spillway	835.5	
Top of Riser (Surface)	833.0	
Riser Outlet	829.0	
Pipe Outlet	825.0	
Rock Riprap	MNDOT III	



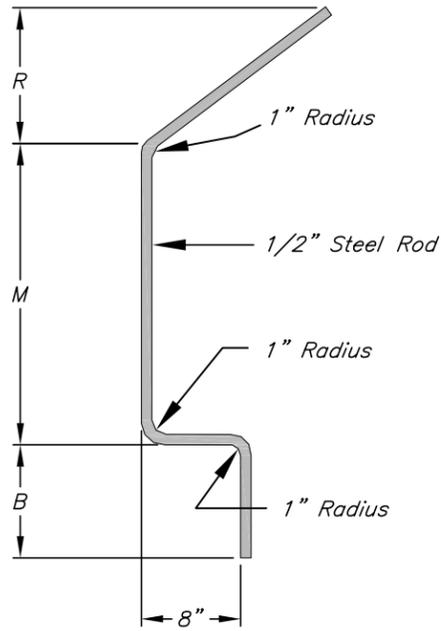
Date	4/2021	4/2021
Designed	REH	REH
Drawn	REH	REH
Checked		
Approved		

Hangsleben Pipe Drop Project
Embankment & Profile Details

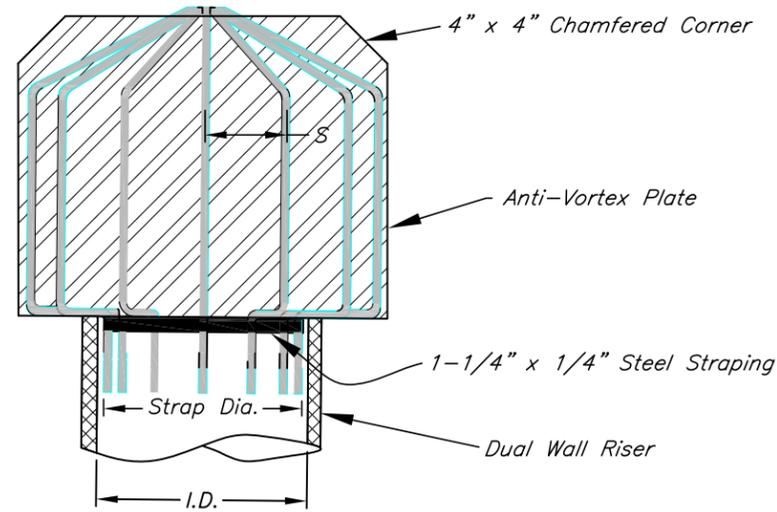
United States Department of Agriculture

 Natural Resources Conservation Service

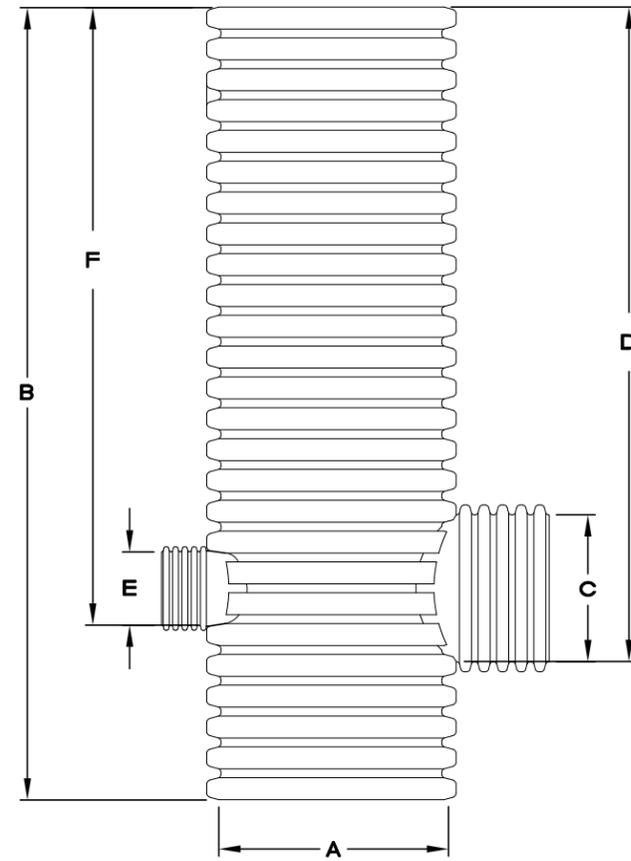
Eng. Job Class III



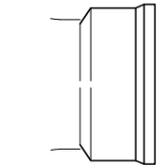
Rod Bending Detail



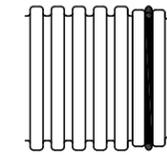
Trash Rack / Anti-Vortex Detail



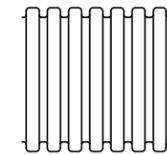
Dual Wall Riser Detail



Intergal Bell



Spigot

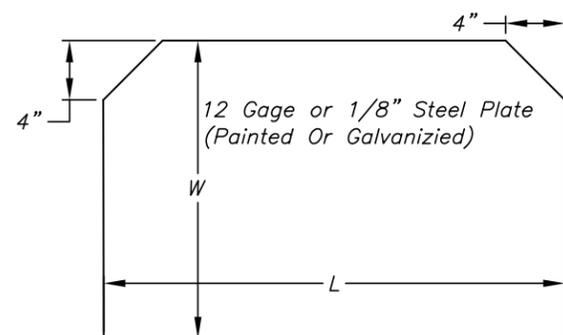


Plain End

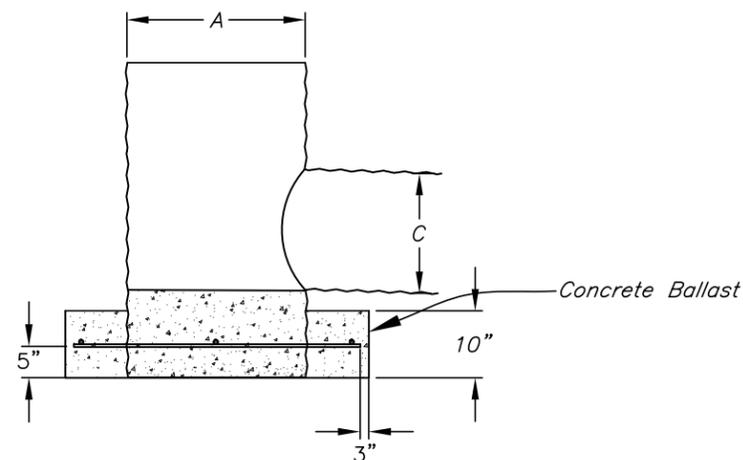
Riser Stub Types

Trash Rack & Anti-Vortex Dimensions							
Pipe I.D. In.	Strap Dia. In.	S In.	B In.	M In.	R In.	W In.	L In.
12	11 1/4	5-6	9	9	12	20	28
15	14 1/4	5-6	9	9	13	21	31
18	17 1/4	6-7	9	9	14	22	34
24	23 1/4	7-8	12	15	11	25	40
30	29 1/4	8-9	12	18	10	27	46
36	25 1/4	10-12	12	21	12	32	52

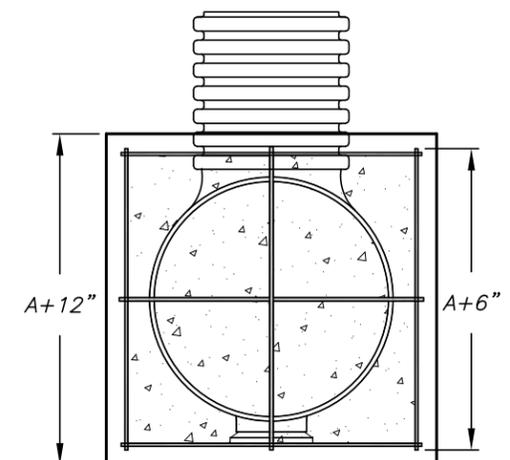
Riser Information	Riser	AsBuilt
Riser Diameter (A)	30"	30"
Riser Height (B)	5.0'	5.0'
Outlet Stub Diameter (C)	24"	24"
Outlet Stub End Type (C)	Spigot	Spigot
Outlet Stub Height (D)	4.0'	4.0'
Stub Diameter (E)	N/A	N/A
Stub Height (F)	N/A	N/A



Anti-Vortex Detail



Riser Ballast Detail



Date 4/2021
 Designed_reh 4/2021
 Drawn_reh
 Checked
 Approved

Hangsleben Pipe Drop Projects
 Riser & Trash Rack / Anti-Vortex Details

United States Department of Agriculture
 USDA
 Natural Resources Conservation Service

Drawing Date 4 - 2019
 Eng Job Class III

Cost Estimate Hangsleben Project

Landuser: Hangsleben Designed by: REH Date: 4/23/2021
 County: West Polk Checked by: _____ Date: _____

Item	Quantity			Unit Cost			Total Cost
Gully Fill	165.0	cu. yds.	@	\$ 5.00	per cu.yd.	=	\$ 825.00
Embankment	100.0	lin. ft.	@	\$ 10.00	per lin. Ft.	=	\$ 1,000.00
Riser 5' x 30" x 24"	1	each	@	\$ 700.00	per each	=	\$ 700.00
30" Trash Rack	1	each	@	\$ 650.00	per each	=	\$ 650.00
24" DW Pipe	120	lin. ft.	@	\$ 22.00	per lin. Ft.		\$ 2,640.00
Pipe Installation	120	lin. ft.	@	\$ 10.00	per lin. Ft.	=	\$ 1,200.00
Rock Outlet	7	cu. yds.	@	\$ 75.00	per cu.yd.	=	\$ 525.00
Labor & Riser Installation	1	each	@	\$ 800.00	per each	=	\$ 800.00
Seeding	1	each	@	\$ 150.00	per each	=	\$ 150.00
	0	each	@	\$ 10.00	per each	=	\$ -
		cu. yds.	@	\$ 75.00	per cu. yds.	=	
		cu. yds.	@	\$ 75.00	per cu. yds.	=	
		sq. yds.	@	\$ 2.50	per sq. yds.	=	
		sq. yds.	@	\$ 2.50	per sq. yds.	=	
		sq. yds.		\$ 2.50	sq.yds.		
		cu. yds.		\$ 3.00	cu. yds.		

Subtotal: \$ 8,490

Site Condition Contingencies = \$ -

Total:	\$ 8,500
---------------	-----------------

West Polk SWCD Project Cost Share Requests

Name	Location	Pratice	Estimated Cost	Cost Share Request @ 75%	Landowner/SWCD
Hangleben	Sec 4 Huntsville Twp	Grade Stablization	\$8,500.00	\$6,375.00	\$2,125.00
Boushee	Sec 29 Huntsville Twp	Grade Stablization	\$9,800.00	\$7,350.00	\$2,450.00
Total Cost Share Request				\$13,725.00	\$4,575.00



CHANGE ORDER NO. 1

125 3rd Street E
 Thief River Falls, MN 56701
 P: 218.681.2951 F: 218.681.2987

Project Name: Red Lake Watershed District Ditch 10 Outlet Repair

Contract dated: February 3, 2021

Owner: Red Lake Watershed District

To: R.J. Zavoral & Sons
 P.O. Box 435
 East Grand Forks, MN 56721

HEI Project No. 3655-0096

This change is requested by Owner and made under the terms of or is supplemental to your present contract. When approved, you are ordered to perform the work in accordance with the additions, changes, or alterations hereinafter described.

Description of Change:

Item 2501.601, "Air Vent", this item was left out of the plans that were reviewed by contractors during the bidding process of the project and bid prices on Item 2501.503 "60" RC Pipe Culvert Design 3006 Class III" did not included the air vent design. Item 2501.601, "Air Vent" shall be installed as detailed in the attached drawing. Backfill and compaction around the air vents shall be performed in accordance with MnDOT 2105, MnDOT 2501.

Item 2501.601, "Air Vent", shall be paid for by the Each unit. The unit price shall include, but not be limited to all material, labor, and equipment costs required to perform the installation and backfill of the air vent as detailed in the attachment and determined in the field by the Engineer and shall be paid for under Item 2501.601, "Air Vent", with no additional compensation considered thereof.

Adjust and/or change the following quantities to match the installed quantities:

Item No.	Description	Unit	Orig. or Prev. Changed Qty.	Qty. Change this CO + or -	Unit Price	Amount of Increase / (Decrease)
2501.601	Air Vent	EA		3.00	2,500.00	7,500.00
Net Increase / (Decrease) this Change Order:						\$7,500.00

Quantities shown are not necessarily pay quantities and are subject to change.

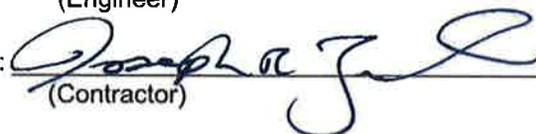
Original Contract Amount: \$218,498.95 Prior Change Orders:
 This Change Order: \$7,500.00
Total Contract Amount after this Change Order: \$225,998.95

Approved: _____
 (Owner)

Date: _____

Approved: Tony A. Nordby _____
 (Engineer)

Date: _____

Approved:  _____
 (Contractor)

Date: 5/15/21



CHANGE ORDER NO. 2

125 3rd Street E
 Thief River Falls, MN 56701
 P: 218.681.2951 F: 218.681.2987

Project Name: Black River Impoundment Project

Contract dated: October 9, 2020

Owner: Red Lake Watershed District

To: R.J. Zavoral & Sons
 P.O. Box 435
 East Grand Forks, MN 56721

HEI Project No. 3655-0091

This change is requested by Owner and made under the terms of or is supplemental to your present contract.

Description of Change:

An additional centerline crossing is being incorporated into the project at approximate Station 150+00 along the CSAH 12 Diversion Ditch. The material and freight cost for the culvert, bands, straps, rods and aprons will be paid for by the Red Lake Watershed District outside the current project agreement. The installation of all materials at the above referenced location shall be performed as Change Order 2 and all work shall be performed in accordance with the plans and the applicable provisions of MnDOT 2501.

Item 2501.502, "Install 71" Span GS Pipe-Arch Apron", shall be paid for by the each unit. The unit price shall include, but not be limited to all labor and equipment required to install and backfill the 71" Span CS Pipe-Arch Aprons in accordance with the plans and applicable provisions of MnDOT 2501 and shall be paid for under Item 2501.503, "Install 71" Span CS Pipe-Arch Apron", and no additional compensation will be considered thereof.

Item 2501.503, "Install 71" Span CS Pipe-Arch Culvert", shall be paid for by the lineal foot. The unit price shall include, but not be limited to all labor and equipment required to install and backfill the 71" Span CS Pipe-Arch Culvert in accordance with the plans and applicable provisions of MnDOT 2501 and shall be paid for under Item 2501.503, "Install 71" Span CS Pipe-Arch Culvert", and no additional compensation will be considered thereof.

Adjust and/or change the following quantities to match the installed quantities:

Item No.	Description	Unit	Orig. or Prev. Changed Qty.	Qty. Change this CO + or -	Unit Price	Amount of Increase / (Decrease)
2501.502	Install 71" Span GS Pipe-Arch Apron	Each		2.00	467.97	935.94
2501.503	Install 71" Span GS Pipe-Arch Culvert	Lin. Ft.		50.00	55.11	2,755.50
Net Increase / (Decrease) this Change Order:						\$3,691.44

Quantities shown are not necessarily pay quantities and are subject to change.

Original Contract Amount: \$4,374,457.66 Prior Change Orders: \$51,564.65
 This Change Order: \$3,691.44

Total Contract Amount after this Change Order: \$4,429,713.75

Approved: _____ Date: _____
 (Owner)

Approved: Tony A. Nordby Digitally signed by Tony A. Nordby
 DN: cn=Tony A. Nordby, o=HEI,
 Date: 2021.05.06 10:53:58-0500 _____ Date: 05/06/2021
 (Engineer)

Approved:  _____ Date: 05/06/2021
 (Contractor)

PARTIAL PAYMENT ESTIMATE

Client Project No.
176

HEI Project No.
3655-0091

PAYMENT NUMBER: 6

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

PERIOD OF ESTIMATE:
FROM **4/26/2021** TO **5/7/2021**

CONTRACT CHANGE ORDER SUMMARY			
Change Order		AMOUNT	
NO.	DATE	ADDITIONS	DEDUCTIONS
1	01/15/21	\$51,564.65	
TOTALS		\$ 51,564.65	\$ -
NET CHANGE		\$ 51,564.65	

ESTIMATE		
1. Original Contract	\$	4,374,457.66
2. Change Orders	\$	51,564.65
3. Revised Contract (1+2)	\$	4,426,022.31
4. Work Completed*	\$	2,347,949.65
5. Stored Materials*	\$	35,161.40
6. Adjustments*	\$	-
7. Subtotal (4+5+6)	\$	2,383,111.05
8. Retainage 5.00%	\$	119,155.55
9. Previous Payments	\$	2,161,843.42
10. Amount Due (7-8-9)	\$	102,112.08

*Detailed Breakdown Attached if Non-Zero Value

CONTRACT TIME			
Completion Date Contract			
Original (days)	N/A	On Schedule? Yes	Starting Date: <u>10/23/2020</u>
Revised	N/A		
Remaining	N/A		Final Completion: <u>8/31/2022</u>

CONTRACTOR'S CERTIFICATION:

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

Contractor: R.J. Zavoral & Sons, Inc.
 By: *RJ Zavoral*
 Date: 05/11/2021

ENGINEER'S RECOMMENDATION:

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



Engineer: *Tony A. Nordby*
 By: Tony A. Nordby
 Date: 5/11/2021

OWNER'S APPROVAL:

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

REMIT PAYMENT TO:

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



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

PAY ESTIMATE

PAY ESTIMATE #:	6
SUBMITTED:	5/13/2021
BEGIN DATE:	4/26/2021
END DATE:	5/7/2021

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
Original Contract Items											
2021.501	MOBILIZATION	Lump Sum	1	\$ 100,000.00	\$ 100,000.00		\$ -	1.	\$ 100,000.00	1.	\$ 100,000.00
2101.501	CLEARING AND GRUBBING	Lump Sum	1	\$ 30,000.00	\$ 30,000.00		\$ -	0.8	\$ 24,000.00	0.8	\$ 24,000.00
2104.502	SALVAGE SIGN	Each	7	\$ 225.00	\$ 1,575.00		\$ -		\$ -		\$ -
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	Lin. Ft.	496	\$ 2.25	\$ 1,116.00		\$ -		\$ -		\$ -
2104.503	REMOVE PIPE CULVERTS	Lin. Ft.	1,445	\$ 10.00	\$ 14,450.00	445.	\$ 4,450.00	54.	\$ 540.00	499.	\$ 4,990.00
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		\$ -	4,641.	\$ 8,260.98	4,641.	\$ 8,260.98
2105.601	DEWATERING	Lump Sum	1	\$ 14,905.00	\$ 14,905.00		\$ -		\$ -		\$ -
2105.602	TEST HOLE	Each	10	\$ 265.00	\$ 2,650.00		\$ -	10.	\$ 2,650.00	10.	\$ 2,650.00
2105.607	TOPSOIL EXCAVATION (P)	C.Y.	211,673	\$ 1.75	\$ 370,427.75		\$ -	65,934.	\$ 115,384.50	65,934.	\$ 115,384.50
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	557,799	\$ 2.63	\$ 1,467,011.37		\$ -	557,799.	\$ 1,467,011.37	557,799.	\$ 1,467,011.37
2112.601	SUBGRADE PREPARATION (CV) (P)	C.Y.	61,542	\$ 2.00	\$ 123,084.00		\$ -	61,542.	\$ 123,084.00	61,542.	\$ 123,084.00
2118.509	AGGREGATE SURFACING CLASS 1	Ton	249	\$ 15.00	\$ 3,735.00		\$ -	17.	\$ 255.00	17.	\$ 255.00
2123.510	DOZER	Hour	46	\$ 145.00	\$ 6,670.00		\$ -		\$ -		\$ -
2123.610	CRAWLER MOUNTED BACKHOE	Hour	14	\$ 175.00	\$ 2,450.00		\$ -		\$ -		\$ -
2211.509	AGGREGATE BASE CLASS 5	Ton	1,602	\$ 14.25	\$ 22,828.50		\$ -		\$ -		\$ -
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		\$ -	0.65	\$ 126,750.00	0.65	\$ 126,750.00
2411.607	CONCRETE PIPE CRADLE	C.Y.	43	\$ 1,230.00	\$ 52,890.00		\$ -	47.	\$ 57,810.00	47.	\$ 57,810.00
2412.502	12X5 PRECAST CONCRETE END SECTION	Each	2	\$ 8,070.00	\$ 16,140.00		\$ -		\$ -		\$ -
2412.502	14X7 PRECAST CONCRETE END SECTION (TYPE III)	Each	2	\$ 17,615.00	\$ 35,230.00		\$ -		\$ -		\$ -
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	205.	\$ 4,407.50	79.	\$ 1,698.50	284.	\$ 6,106.00
2452.618	VINYL SHEET PILING	SQ. FT.	8,250	\$ 9.50	\$ 78,375.00		\$ -		\$ -		\$ -
2501.502	18" GS APRON	Each	4	\$ 150.00	\$ 600.00		\$ -		\$ -		\$ -
2501.502	24" GS APRON	Each	2	\$ 200.00	\$ 400.00		\$ -		\$ -		\$ -
2501.502	36" GS APRON	Each	2	\$ 430.00	\$ 860.00		\$ -		\$ -		\$ -
2501.502	60" RC PIPE APRON	Each	2	\$ 2,300.00	\$ 4,600.00		\$ -	2.	\$ 4,600.00	2.	\$ 4,600.00
2501.502	FLAP GATE FOR 18" CS PIPE CULVERT	Each	33	\$ 615.00	\$ 20,295.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 24" CS PIPE CULVERT	Each	6	\$ 680.00	\$ 4,080.00		\$ -		\$ -		\$ -
2501.502	FLAP GATE FOR 36" CS PIPE CULVERT	Each	1	\$ 1,000.00	\$ 1,000.00		\$ -		\$ -		\$ -
2501.502	35" SPAN GS PIPE-ARCH APRON	Each	6	\$ 355.00	\$ 2,130.00	2.	\$ 710.00		\$ -	2.	\$ 710.00
2501.502	42" SPAN GS PIPE-ARCH APRON	Each	8	\$ 470.00	\$ 3,760.00	6.	\$ 2,820.00		\$ -	6.	\$ 2,820.00
2501.502	57" SPAN GS PIPE-ARCH APRON	Each	4	\$ 965.00	\$ 3,860.00		\$ -		\$ -		\$ -
2501.502	64" SPAN GS PIPE-ARCH APRON	Each	6	\$ 1,170.00	\$ 7,020.00	6.	\$ 7,020.00		\$ -	6.	\$ 7,020.00
2501.502	71" SPAN GS PIPE-ARCH APRON	Each	10	\$ 1,470.00	\$ 14,700.00		\$ -		\$ -		\$ -
2501.502	73" SPAN GS PIPE-ARCH APRON	Each	8	\$ 2,300.00	\$ 18,400.00	6.	\$ 13,800.00		\$ -	6.	\$ 13,800.00
2501.502	65" SPAN RC PIPE-ARCH APRON	Each	2	\$ 2,100.00	\$ 4,200.00		\$ -		\$ -		\$ -
2501.503	18" CS PIPE CULVERT	Lin. Ft.	1,474	\$ 30.00	\$ 44,220.00		\$ -		\$ -		\$ -
2501.503	24" CS PIPE CULVERT	Lin. Ft.	328	\$ 35.00	\$ 11,480.00		\$ -		\$ -		\$ -



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

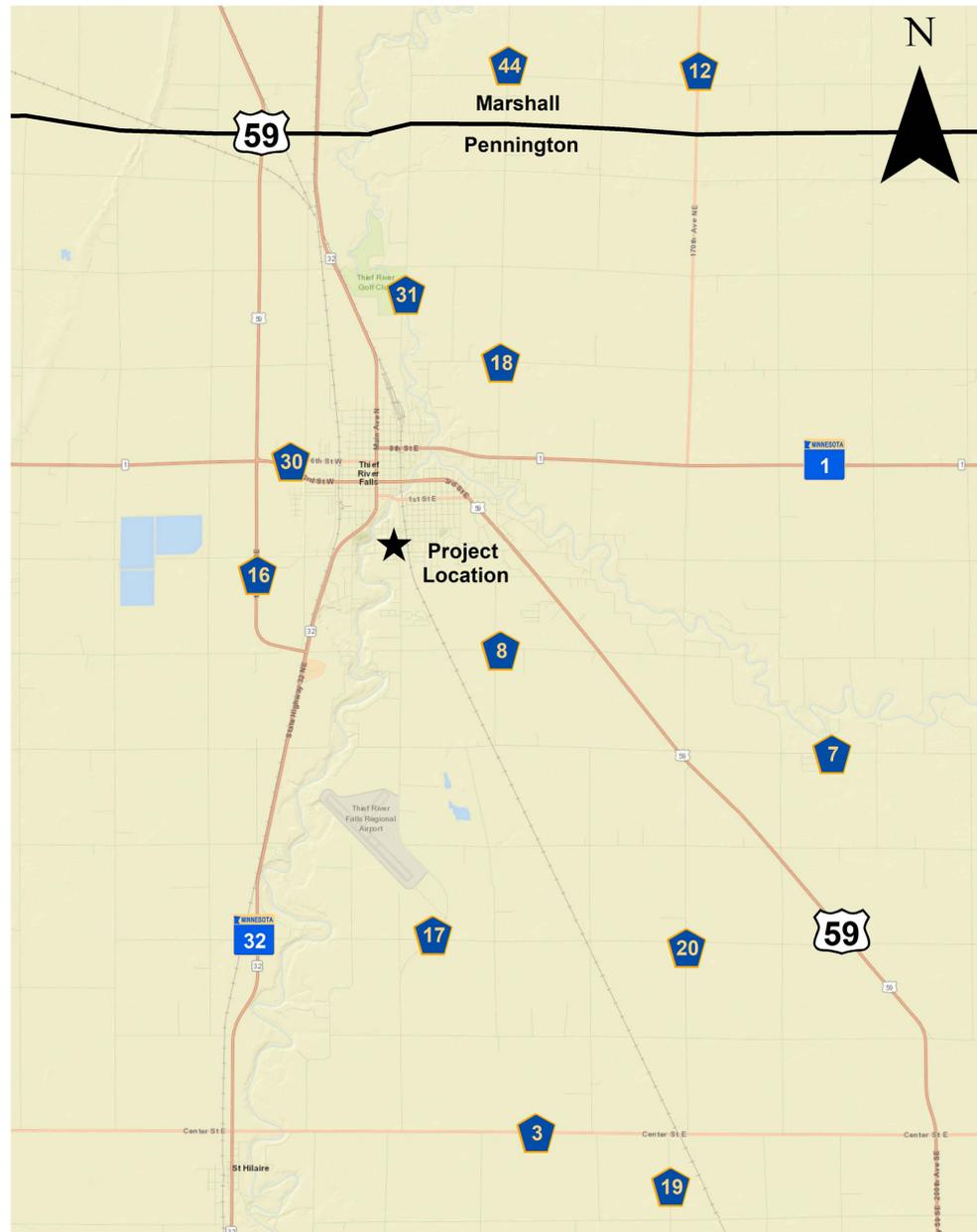
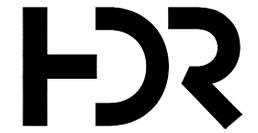
PAY ESTIMATE #:	6
SUBMITTED:	5/13/2021
BEGIN DATE:	4/26/2021
END DATE:	5/7/2021

ITEM NO.	DESCRIPTION	UNIT	CONTRACT			CURRENT PAY ESTIMATE		PREVIOUS PAY ESTIMATES		PAY ESTIMATES TO DATE	
			QUANTITY	PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
2501.503	36" CS PIPE CULVERT	Lin. Ft.	72	\$ 54.00	\$ 3,888.00		\$ -		\$ -		\$ -
2501.503	35" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	132	\$ 53.00	\$ 6,996.00	42.	\$ 2,226.00		\$ -	42.	\$ 2,226.00
2501.503	42" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	172	\$ 60.00	\$ 10,320.00	132.	\$ 7,920.00		\$ -	132.	\$ 7,920.00
2501.503	57" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	78	\$ 85.00	\$ 6,630.00		\$ -		\$ -		\$ -
2501.503	64" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	136	\$ 115.00	\$ 15,640.00	136.	\$ 15,640.00		\$ -	136.	\$ 15,640.00
2501.503	71" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	300	\$ 140.00	\$ 42,000.00		\$ -		\$ -		\$ -
2501.503	73" SPAN CS PIPE-ARCH CULVERT	Lin. Ft.	158	\$ 130.00	\$ 20,540.00	120.	\$ 15,600.00		\$ -	120.	\$ 15,600.00
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		\$ -	90.	\$ 17,100.00	90.	\$ 17,100.00
2501.503	117" SPAN CS PIPE-ARCH CULVERT (BEVELED)	Lin. Ft.	68	\$ 225.00	\$ 15,300.00		\$ -		\$ -		\$ -
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		\$ -	82.	\$ 17,630.00	82.	\$ 17,630.00
2501.503	60" RC PIPE CULVERT DESIGN 3006 CLASS III	Lin. Ft.	52	\$ 235.00	\$ 12,220.00		\$ -	52.	\$ 12,220.00	52.	\$ 12,220.00
2501.602	PLUG AND ABANDON PIPE CULVERT	Each	8	\$ 775.00	\$ 6,200.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS II	C.Y.	259	\$ 95.00	\$ 24,605.00		\$ -		\$ -		\$ -
2511.507	RANDOM RIPRAP CLASS III	C.Y.	3,941	\$ 95.00	\$ 374,395.00	6.	\$ 570.00	1,060.	\$ 100,700.00	1,066.	\$ 101,270.00
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		\$ -	165.	\$ 198.00	165.	\$ 198.00
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	Lin. Ft.	370	\$ 5.00	\$ 1,850.00		\$ -		\$ -		\$ -
2573.503	FLOTATION SILT CURTAIN TYPE WORK AREA	Lin. Ft.	120	\$ 20.00	\$ 2,400.00		\$ -		\$ -		\$ -
2573.607	ROCK DITCH CHECK	C.Y.	114	\$ 120.00	\$ 13,680.00		\$ -	38.	\$ 4,560.00	38.	\$ 4,560.00
2574.508	FERTILIZER, TYPE 1	Pound	53,876	\$ 0.45	\$ 24,244.20	9,000.	\$ 4,050.00		\$ -	9,000.	\$ 4,050.00
2575.504	RAPID STABILIZATION METHOD 4	S.Y.	1,983	\$ 1.10	\$ 2,181.30		\$ -	1,994.	\$ 2,193.40	1,994.	\$ 2,193.40
2575.504	EROSION CONTROL BLANKET CATEGORY 3	S.Y.	5,999	\$ 1.00	\$ 5,999.00		\$ -		\$ -		\$ -
2575.505	SEEDING	Acre	289.6	\$ 100.00	\$ 28,960.00	45.	\$ 4,500.00		\$ -	45.	\$ 4,500.00
2575.505	DISK ANCHORING	Acre	289.6	\$ 20.00	\$ 5,792.00	45.	\$ 900.00	57.9	\$ 1,158.00	102.9	\$ 2,058.00
2575.508	SEED MIXTURE 22-111	Pound	8,833	\$ 2.50	\$ 22,082.50	1,372.5	\$ 3,431.25		\$ -	1,372.5	\$ 3,431.25
2575.508	SEED MIXTURE 25-141	Pound	17,086	\$ 3.00	\$ 51,258.00	2,655.	\$ 7,965.00		\$ -	2,655.	\$ 7,965.00
2575.509	MULCH MATERIAL TYPE 1	Ton	579.2	\$ 85.00	\$ 49,232.00	90.	\$ 7,650.00	57.9	\$ 4,921.50	147.9	\$ 12,571.50
2582.503	4" SOLID LINE PAINT (WHITE)	Lin. Ft.	686	\$ 2.20	\$ 1,509.20		\$ -		\$ -		\$ -
2582.503	4" BROKEN LINE PAINT (YELLOW)	Lin. Ft.	90	\$ 2.20	\$ 198.00		\$ -		\$ -		\$ -
Extra / Change Order Items											
2101.601	CLEARING AND GRUBBING	Acre	3.5	\$ 2,480.00	\$ 8,680.00		\$ -	3.5	\$ 8,680.00	3.5	\$ 8,680.00
2105.507	COMMON EXCAVATION (LEVEE)	C.Y.	2,852	\$ 2.50	\$ 7,130.00		\$ -	2,852.	\$ 7,130.00	2,852.	\$ 7,130.00
2105.507	COMMON EXCAVATION (CHURCH AREA)	C.Y.	6,140	\$ 5.20	\$ 31,928.00		\$ -	6,140.	\$ 31,928.00	6,140.	\$ 31,928.00
2106.507	COMMON EMBANKMENT (CV) (P)	C.Y.	1,455	\$ 2.63	\$ 3,826.65	1,455.	\$ 3,826.65		\$ -	1,455.	\$ 3,826.65
Totals											
Original Contract Amount					\$ 4,374,457.66						
Extra / Change Order Amount					\$ 51,564.65						
Work Completed						\$ 107,486.40		\$ 2,240,463.25		\$ 2,347,949.65	

CITY OF THIEF RIVER FALLS IN COOPERATION WITH RED LAKE WATERSHED DISTRICT

Contract Drawings For

Oxbow Restoration & Stormwater Treatment Project



Section 33 & 34
North Township
Pennington County, Minnesota
JUNE 2021

INDEX OF DRAWINGS

GENERAL

- G000 - COVER SHEET
- G001 - SYMBOLOGY LEGEND
- G002 - QUANTITIES & CONSTRUCTION NOTES
- G003 - SWPPP NOTES
- G004 - SWPPP SITE PLAN & DETAILS
- G005 - SWPPP ENTRANCE & STORM DRAIN DETAILS

CIVIL

- C101 - SITE PLAN
- C201 - OXBOW PLAN & PROFILE
- C202 - SNOW STORAGE PLAN & PROFILE
- C301 - OXBOW CROSS-SECTIONS
- C302 - OXBOW CROSS-SECTIONS
- C401 - OXBOW SITE PLAN
- C402 - SNOW STORAGE SITE PLAN
- C501 - CIVIL DETAILS

STRUCTURAL

- S501 - STORMGATE DETAILS
- S502 - OFF-LINE CDS DETAILS
- S503 - IN-LINE CDS DETAILS

GOVERNING SPECIFICATIONS

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

DATUM

ELEVATIONS LISTED IN THIS PLAN REFER TO NAVD 88 VERTICAL DATUM.

UTILITY NOTE

THE SUBSURFACE UTILITY INFORMATION IN THE PLAN IS UTILITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38-02, ENTITLED "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. STATE LAW REQUIRES THE EXCAVATOR TO CONTACT GOPHER STATE ONE-CALL AT (800) 252-1166 FOR UTILITY LOCATION 48 HOURS PRIOR TO START OF EXCAVATION.

THIS PLAN CONTAINS 17 SHEETS

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

DATE _____ LICENSE # 58711

DILLON NELSON

CIVIL MAPPING SYMBOLOGY

	EMBANKMENT SLOPE (CUT)
	EMBANKMENT SLOPE (FILL)
	EMBANKMENT SLOPE RIGHT ARROW RIGHT
	EMBANKMENT SLOPE LEFT ARROW LEFT
	SPOT ELEVATION/POINT #
	SURVEY BENCHMARK
	SURVEY CONTROL POINT
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT
	SECTION CORNER MONUMENT
	SECTION CORNER NO MONUMENT
	IDENTIFICATION AND APPROXIMATE LOCATION OF SOIL TEST HOLE
	TEST PIT
	SOIL BORING
	FLOW ARROW
	WATER LEVEL IN SECTION/PROFILE
	EXISTING UTILITY POLE
	DOWNGUY
	EXTERIOR UTILITY JUNCTION BOX
	INTERSTATE HIGHWAY SYMBOL
	US HIGHWAY SYMBOL
	STATE HIGHWAY SYMBOL
	COUNTY ROAD SYMBOL
	HAY BALE SILT CHECK
	TEMPORARY SEDIMENT TRAP
	PIEZOMETER
	RAIL SIGNAL
	RAIL SWITCH
	CLEANOUT
	PROVIDE CLEANOUT
	CULVERT END SYMBOL (WITH CULVERT SHOWN BETWEEN SYMBOLS)
	FIRE HYDRANT
	PROVIDE FIRE HYDRANT
	FUEL OIL METER
	FUEL OIL MANHOLE
	FUEL OIL VAULT
	HEADWALL

	INDUSTRIAL WASTE WATER METER
	INDUSTRIAL WASTE WATER MANHOLE
	NATURAL GAS METER
	NATURAL GAS RECEIVER
	NATURAL GAS TRAP
	NATURAL GAS LINE VAULT
	MONITORING WELL
	POST INDICATOR VALVE
	PUMP STATION
	SANITARY MANHOLE
	PROVIDE SANITARY MANHOLE
	SEPTIC TANK
	TANK BELOW GROUND
	TANK HORIZONTAL ABOVE GROUND
	TANK VERTICAL ABOVE GROUND
	STORM SQUARE CATCH BASIN
	STORM ROUND CATCH BASIN
	STORM DRAINAGE MANHOLE
	PROVIDE STORM DRAINAGE MANHOLE
	WATER/AIR VENT
	WATER BACKFLOW PREVENTER
	WATER BLOWOFF
	WATER METER
	WATER SHUTOFF
	WATER SOFTENER
	WATER VALVE VAULT
	DOMESTIC WATER VALVE
	PROVIDE DOMESTIC WATER VALVE
	PEDESTAL
	POWER BOX
	POLE
	STREET LIGHT
	TARGET ELEVATION
	GRADE BREAK

UTILITY/CIVIL LINE SYMBOLOGY

	PIPELINE
	LARGE PIPELINE
	UTILITY BENEATH STRUCTURE
	RAILROAD
	CENTERLINE
	BOTTOM OF DITCH
	PROPERTY LINE
	EASEMENT
	LIMITS OF CONSTRUCTION
	ROW
	EXISTING CONTOUR (MINOR)
	EXISTING CONTOUR W/ELEVATION (MAJOR)
	EXISTING FENCE
	EXISTING VEGETATION/BRUSH LINE
	FENCE - OTHER
	FENCE
	FLOOD LIMIT (25 YEAR)
	FLOOD LIMIT (50 YEAR)
	FLOOD LIMIT (100 YEAR)
	FLOOD LIMIT (200 YEAR)
	FLOOD LIMIT (500 YEAR)
	HIGHWAY GUARDRAIL
	LEVEE TOP
	LEVEE TOE
	NEW CONTOUR (MINOR)
	NEW CONTOUR (MAJOR)
	SILT FENCE
	TOE OF SLOPE
	TOP OF SLOPE
	REMOVAL EXTENTS
	FIBER OPTIC
	NATURAL GAS
	INDUSTRIAL WASTE WATER
	SANITARY SEWER
	SANITARY FORCE MAIN
	STORM SEWER
	DOMESTIC WATER
	OVERHEAD ELECTRICAL
	STREET LIGHTS
	UNDERGROUND ELECTRICAL
	CABLE
	UNDERGROUND TELEPHONE
	TELEPHONE
	PROVIDE SANITARY SEWER
	PROVIDE DOMESTIC WATER
	PIPE REMOVAL

GENERAL SYMBOLOGY

ARROW INDICATES DIRECTION OF PLAN NORTH

PLAN
1/4" = 1'-0"
PLAN TITLE

SECTION LETTER
FLAG INDICATES DIRECTION OF SECTION CUT

SHEET WHERE SECTION IS LOCATED

SECTION CUT MARKER

SECTION LETTER
SHEET WHERE SECTION VIEW IS FIRST CUT *

SECTION TITLE

DETAIL NUMBER
SHEET WHERE DETAIL IS LOCATED *

DETAIL MARKER
FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.

DETAIL NUMBER
FOR REFERENCING DETAILS BOUND IN SPECIFICATIONS OR SEPARATE VOLUME.

DETAIL SCALE
SHEET WHERE DETAIL WAS CALLED OUT *

DETAIL TITLE

ELEVATION NUMBER
ARROW INDICATES POINT OF VIEW
SHEET WHERE ELEVATION IS LOCATED *

SINGLE ELEVATION OR PHOTO MARKER

ELEVATION NUMBER
ARROW INDICATES POINT OF VIEW ELEVATION
INDICATES SHEET WHERE ELEVATION IS LOCATED

MULTIPLE ELEVATION OR PHOTO MARKER

ELEVATION IDENTIFICATION NUMBER
SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND *

ELEVATION SCALE

ELEVATION TITLE

* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-).
1) FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS.
2) SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON.

MATERIALS IN PLAN/SECTION

	CONCRETE (PLAN AND/OR SECTION)
	CONCRETE MASONRY (PLAN AND/OR SECTION)
	CLEAR AND GRUB
	EARTH (SECTION)
	GRANULAR FILL (SECTION)
	GRATING (SECTION)
	GRATING (PLAN)
	RIPRAP (PLAN AND/OR SECTION)
	SAND (SECTION)
	WETLAND AVOIDANCE AREA (PLAN)

SHEET NAMING CONVENTION

DISCIPLINE DESIGNATOR & DISCIPLINE ORDER

G	GENERAL SURVEYING / MAPPING
V	DEMOLITION
X	CIVIL
C	LANDSCAPING
L	MULTI-DISCIPLINE
U	STRUCTURAL
S	ARCHITECTURAL
A	PROCESS
M	MECHANICAL (HVAC)
D	PLUMBING
P	FIRE PROTECTION
F	ELECTRICAL
E	INSTRUMENTATION
Y	

DRAWING TYPE DESIGNATOR

0	GENERAL (SCHEDULES, SYMBOLS, LEGENDS)
1	PLANS
2	PROFILES / ELEVATIONS
3	SECTIONS
4	LARGE SCALE VIEWS
5	DETAILS
6	DIAGRAMS
7	3D REPRESENTATIONS

EXAMPLE

PLAN AND PROFILE, SHEET 1

C			
---	--	--	--

DISCIPLINE DESIGNATOR

	2		
--	---	--	--

DRAWING TYPE DESIGNATOR

		0	1
--	--	---	---

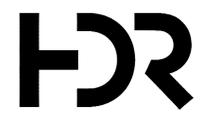
SHEET NUMBER

C	2	0	1
---	---	---	---

SAMPLE SHEET NUMBER

GENERAL NOTES:

- THIS IS A STANDARD CIVIL SYMBOLOGY SHEET. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER NATHAN P. DALAGER

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

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

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

SYMBOLOGY LEGEND

0 1" 2"

FILENAME | G001.DWG

SCALE | NO SCALE

SHEET | G001

STATEMENT OF ESTIMATED QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
2021.501	MOBILIZATION	LUMP SUM	1
2101.501	CLEARING AND GRUBBING	LUMP SUM	1
2104.502	REMOVE 24" RC APRON	EACH	1
2104.502	REMOVE 36" FLAPGATE	EACH	2
2104.503	REMOVE 24" RC PIPE CULVERT	LIN FT	40
2104.503	REMOVE 54" RC PIPE CULVERT	LIN FT	16
2104.503	REMOVE 6' DIA. PRECAST STRUCTURE	EACH	1
2105.607	SPOIL HAULING (P)	CU YD	27,670
2105.507	COMMON EXCAVATION (P)	CU YD	27,770
2105.507	COMMON BORROW (P) (CV)	CU YD	100
2105.601	SITE GRADING	LUMP SUM	1
2118.509	AGGREGATE SURFACING, CLASS 5 (P) (CV)	TON	38
2451.507	GRANULAR BEDDING (P) (CV)	CU YD	13
2501.502	WATERMAN F-10 FLAP GATE FOR 36"CS PIPE (CAST IRON)	EACH	2
2501.502	WATERMAN C-10 12" CANAL GATE	EACH	1
2501.502	24" RC PIPE APRON	EACH	1
2502.603	6" HDPE DRAINTILE WITH SOCK & CONNECTORS	LIN FT	2,330
2503.503	18" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16
2503.503	24" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	16
2506.502	CONSTRUCT 6' DIA. SEPARATER DRAINAGE STRUCTURE, PRECAST	EACH	1
2506.502	CONSTRUCT 8' DIA. BYPASS STRUCTURE, PRECAST	EACH	1
2506.502	CONSTRUCT 9' DIA. SEPARATER DRAINAGE STRUCTURE, PRECAST	EACH	1
2506.502	HAALA STRUCTURE GRATE - HINGED COVER	EACH	1
2511.507	RANDOM RIPRAP (CLASS 3)	CU YD	30
2511.509	GRANULAR FILTER MATERIAL (P)	TON	544
2540.602	INSTALL BOLLARD	EACH	7
2563.601	TRAFFIC CONTROL	LUMP SUM	1
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	2
2573.502	STORM DRAIN INLET PROTECTION	EACH	4
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	50
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	40
2574.505	SOIL BED PREPARATION	ACRE	2
2574.508	FERTILIZER, TYPE 1	POUND	400
2575.505	SEEDING	ACRE	2
2575.505	DISK ANCHORING	ACRE	2
2575.508	SEED MIXTURE, 25-131	POUND	440
2575-509	MULCH MATERIAL TYPE 1	TON	1

(P) PLAN QUANTITY
(CV) COMPACTED VOLUME

BASIS OF ESTIMATED QUANTITIES	
AGGREGATE SURFACING, CLASS 5 (P)	1.8 TONS / CY
GRANULAR BEDDING (P) (CV)	1.8 TONS / CY
GRANULAR FILTER MATERIAL (P)	1.8 TONS / CY
FERTILIZER, TYPE 1 (10-10-10)	200 LBS / ACRE
SEED MIXTURE, 25-131	220 LBS / ACRE
MULCH MATERIAL, TYPE 1	2 TONS / ACRE



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

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

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

QUANTITIES & CONSTRUCTION NOTES



FILENAME | G002.DWG
SCALE | NO SCALE

SHEET
G002

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

PROJECT LOCATION

THE PROJECT IS LOCATED WITHIN THE CITY OF THIEF RIVER FALLS IN PENNINGTON COUNTY, MINNESOTA. THE PROJECT SITE IS WITHIN A PORTION OF OXBOW FROM THE RED LAKE RIVER SOUTHWEST OF THE INTERSECTION OF PENNINGTON AVENUE SOUTH AND PARKVIEW STREET EAST.

PROJECT SCOPE OF WORK

THE CITY OF THIEF RIVER FALLS OXBOW RESTORATION & STORMWATER TREATMENT PROJECT CONSISTS OF THE REMOVAL OF LIME SLUDGE AND SEDIMENT FROM THE EXISTING OXBOW, INSTALLATION OF A RIPRAP SPILLWAY, AND INSTALLATION OF TWO HYDRO-DYNAMIC SEPARATOR STRUCTURES UPSTREAM OF THE OXBOW INLET.

SPECIAL AND IMPAIRED WATERS

THESE SPECIAL AND IMPAIRED WATERS ARE LOCATED WITHIN ONE MILE OF THE PROJECT. HOWEVER, THERE ARE NO SURFACE WATERS WITH CONSTRUCTION-RELATED IMPAIRMENTS. THE RED LAKE RIVER IS IMPAIRED FOR MERCURY IN FISH TISSUE WHICH IS NOT A CONSTRUCTION-RELATED IMPAIRMENT.

ENVIRONMENTALLY SENSITIVE AREAS

THIS PROJECT IS NOT LOCATED NEAR AND OR DRAIN TO ANY ENVIRONMENTALLY SENSITIVE AREAS.

LONG TERM MAINTENANCE AND OPERATION

THE CITY OF THIEF RIVER FALLS STAFF ARE RESPONSIBLE FOR THE LONG TERM MAINTENANCE AND OPERATIONS OF THE PERMANENT STORMWATER SYSTEM.

SWPPP TRAINING

THIS SWPPP WAS PREPARED BY HDR, INC. PERSONAL THAT ARE CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPS. COPIES OF THE CERTIFICATIONS ARE ON FILE WITH HDR, INC. AND ARE AVAILABLE UPON REQUEST. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CERTIFIED EROSION CONTROL SUPERVISOR THAT IS RESPONSIBLE FOR OVERSEEING THE IMPLEMENTATION OF THE SWPPP. THE CONTRACTOR MUST PROVIDE PROOF OF CERTIFICATION AT THE PRE-CONSTRUCTION MEETING AND WILL NOT BE ALLOWED TO COMMENCE WORK UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE PROJECT ENGINEER.

EROSION CONTROL SUPERVISOR, INSTALLATION, INSPECTION, AND MAINTENANCE

THE CONTRACTOR WILL PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR IN GOOD STANDING WHO IS KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES. THE EROSION CONTROL SUPERVISOR IS INCIDENTAL.

THE EROSION CONTROL SUPERVISOR WILL WORK WITH THE PROJECT ENGINEER TO OVERSEE THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPs BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED WITH THE MPCA.

THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR COMPLYING WITH ALL THE INSPECTION AND MAINTENANCE REQUIREMENTS STATED IN THE NPDES PERMIT PART IV F. INSPECTION OF THE ENTIRE CONSTRUCTION SITE WILL OCCUR A MINIMUM OF ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. THE EROSION CONTROL SUPERVISOR WILL THOROUGHLY INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs TO ENSURE INTEGRITY AND EFFECTIVENESS OF EACH BMP. ALL INSPECTIONS AND MAINTENANCE CONDUCTED DURING CONSTRUCTION MUST BE REPORTED IN WRITING AND THESE MUST BE RETAINED WITH THE SWPPP. INSPECTION REPORTS MUST BE SUBMITTED TO THE PROJECT ENGINEER IN A FORMAT THAT MEETS OR EXCEEDS THE PROJECT ENGINEERS EXPECTATIONS. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY SHALL INCLUDE:

- A. DATE AND TIME OF THE INSPECTION
- B. NAME OF PERSONS CONDUCTING THE INSPECTION
- C. FINDINGS OF INSPECTION INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS
- D. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS
- E. DOCUMENT ANY CHANGES MADE TO THE SWPPP

AMENDMENTS TO THE SWPPP APPROVED BY THE PROJECT ENGINEER MAY BE DOCUMENTED IN A JOURNAL OR RED LINED ON THE SWPPP PLAN SET SHEETS. STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.

ENVIRONMENTAL REVIEW

THERE ARE NO STORMWATER MITIGATION MEASURES REQUIRED AS A RESULT OF AN ENVIRONMENTAL, ARCHEOLOGICAL, OR AGENCY REVIEW. ALL MITIGATION MEASURES HAVE BEEN ADDRESSED IN THIS PLAN SET OR THE SPECIAL PROVISIONS.

LAND FEATURE CHANGES

TOTAL DISTURBED AREA: 1.5 ACRES
THERE ARE NO EXISTING OR PROPOSED IMPERVIOUS SURFACES WITHIN THE PROJECT BOUNDARY.

PROJECT CONTACTS

THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION INSPECTION AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPs BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED.

PROJECT OWNER: WAYNE JOHNSON - CITY OF THIEF RIVER FALLS (218) 689-8967
PROJECT ENGINEER: NATE DALAGER - HDR, INC. (218) 681-6100
PROJECT CONTRACTOR: TO BE DETERMINED AT PRE-CONSTRUCTION MEETING
SWPPP DESIGNER: MICHAEL RYAN - HDR, INC. (763) 591-5440

MPCA 24-HOUR EMERGENCY NOTIFICATION (651) 649-5451 OR 1-800-422-0798

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITIES

CHAIN OF RESPONSIBILITY

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A CHAIN OF RESPONSIBILITY WITH THE SITE OPERATORS AND MUST OVERSEE IMPLEMENTATION OF THE SWPPP, INCLUDING THE INSTALLATION, MAINTENANCE, AND INSPECTION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs). THE SWPPP MUST BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE PROJECT IS COMPLETE. THE ENTIRE SITE HAS ACHIEVED FINAL STABILIZATION, AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED TO THE MPCA.

PRE-CONSTRUCTION PRACTICES

BEFORE LAND-DISTURBING ACTIVITIES OCCUR, THERE ARE SEVERAL PRINCIPLES THAT CAN BE FOLLOWED TO HELP CONTROL EROSION AND MITIGATE SEDIMENT RUNOFF. THEY INCLUDE:
DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO CONSTRUCTION

INSTALL DOWNSLOPE AND SIDESLOPE PERIMETER CONTROLS

DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED

SCHEDULE ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.

PLAN TO COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.

SOIL STABILIZATION

ALL EXPOSED AREAS, INCLUDING STOCKPILES, MUST BE STABILIZED. STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING (7) SEVEN CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN (7) SEVEN CALENDAR DAYS AFTER CONSTRUCTION HAS CEASED. THE NORMAL WETTED PERIMETER OF THE LAST 200 FEET MUST BE STABILIZED FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO THE PROJECT LIMIT. STABILIZATION OF THE REMAINING PORTIONS UPSTREAM OF THAT 200 FEET MUST BE COMPLETED WITHIN 7 DAYS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT CLAY OR ORGANIC COMPONENTS AND THE CONSTRUCTED BASE COMPONENTS OF ROADWAYS ARE EXEMPT FROM THIS REQUIREMENT.

SEEDING

IN AREAS WHERE CONSTRUCTION ACTIVITIES WILL BE ABSENT FOR MORE THAN (7) SEVEN DAYS, TEMPORARY SEEDING SHOULD BE INCORPORATED TO PROVIDE TEMPORARY STABILIZATION. SEEDING SHOULD ALWAYS BE ACCOMPANIED BY MULCH, EROSION CONTROL BLANKET, OR TACKIFYING TO PROTECT THE SEED AND SOIL FROM EROSION DURING THE GERMINATION AND GROWTH PROCESS. IF SEEDING CANNOT BE ACCOMPLISHED DUE TO SEASONAL CONSTRAINTS, TEMPORARY STABILIZATION SUCH AS MULCH OR TACKIFIER MUST BE USED AND MAINTAINED UNTIL THE ACCOMPANYING SEED IS ESTABLISHED.

FLOATATION SILT CURTAIN

FLOATATION SILT CURTAIN IS A GEOTEXTILE FABRIC BARRIER INSTALLED IN WATERBODIES TO CONTAIN SEDIMENT NEAR THE BANKS OF THE WORK AREA WHILE THE SEDIMENT SETTLES TO THE BOTTOM OF THE WATER BODY. SILT CURTAIN WILL BE INSTALLED IN ACCORDANCE WITH MNDOT SPECIFICATIONS. PLACE FLOATATION SILT CURTAIN DOWNSTREAM OF PROJECT LIMITS AS SHOWN ON SHEET G004.

SEDIMENT CONTROL LOGS

SEDIMENT CONTROL LOG APPLICATIONS INCLUDE BUT ARE NOT LIMITED TO SLOPE STABILIZATION, CULVERT INLET PROTECTION, PERIMETER CONTROL, CHECK DAMS IN SWALES, AND TEMPORARY CONTAINMENT FOR STOCKPILES. THE BASIC INSTALLATION FOR A NET WRAPPED SEDIMENT CONTROL LOG IS TO PREPARE A SHALLOW TRENCH, AND SECURE THE LOG IN THE TRENCH USING STAKES OR LANDSCAPE PINS. ALTERNATIVELY, THE SEDIMENT CONTROL LOG CAN BE INSTALLED DIRECTLY ON SOIL SURFACES AND KEYED IN WITH TWO (2) INCHES OF SOIL PLACED ON THE UPSTREAM SIDE TO PROVIDE AN ADEQUATE SEAL. SEDIMENT CONTROL LOGS SHOULD BE INSTALLED BASED ON MANUFACTURER'S DIRECTIONS AND / OR APPROVED DETAILS. SEDIMENT CONTROL LOGS WILL BE PLACED PARALLEL TO THE DITCH CHANNEL, IMMEDIATELY ABOVE THE RIPRAP AS SHOWN IN DETAIL 3.

INSPECTIONS

INSPECTIONS OF TEMPORARY EROSION AND SEDIMENT CONTROLS MUST BE CONDUCTED BY A TRAINED PERSON AT LEAST ONCE EVERY SEVEN (7) DAYS, AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

MAINTENANCE

ALL NON-FUNCTIONAL BMPs MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPs. OR WHEN SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE. MAINTENANCE MUST BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY. ADDITIONAL TIME MAY BE TAKEN IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA. SUCH CASES MUST BE DOCUMENTED WITH THE SWPPP AND INSPECTION RECORDS.

MAINTENANCE PRACTICES INCLUDE:

SURFACE WATERS MUST BE INSPECTED FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS AND DRAINAGE SYSTEMS MUST BE REMOVED, AND AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL MUST BE RE-STABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF DISCOVERY.

FINAL STABILIZATION

ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND ALL SOILS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH DENSITY.

ALL SEDIMENT HAS BEEN REMOVED FROM CONVEYANCE SYSTEMS, AND SLOPES AND DRAINAGEWAYS ARE STABILIZED WITH PERMANENT COVER.

ALL TEMPORARY SYNTHETIC AND STRUCTURAL EROSION PREVENTION AND SEDIMENT CONTROL BMPs HAVE BEEN REMOVED. BMPs DESIGNED TO DECOMPOSE ON SITE MAY BE LEFT IN PLACE.

NOTICE OF TERMINATION

A NOTICE OF TERMINATION MUST BE SUBMITTED TO THE MINNESOTA POLLUTION CONTROL AGENCY WITHIN 30 DAYS AFTER FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE.

PROJECT MANAGER NATHAN P. DALAGER

DESIGNER 1	D. NELSON
DESIGNER 2	R. KNOTT
DRAWN BY	D. NELSON
CHECKED BY	N. DALAGER

PROJECT NUMBER 10134290

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

DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

CITY OF THIEF RIVER FALLS OXBOW RESTORATION & STORMWATER TREATMENT PROJECT

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

SWPPP NOTES



FILENAME G004.DWG

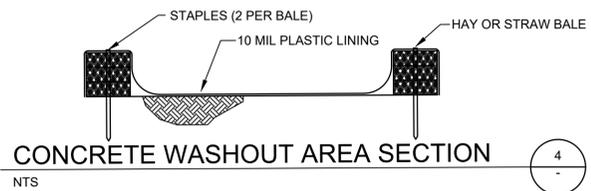
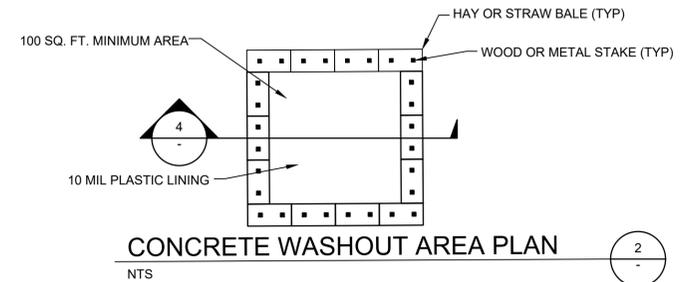
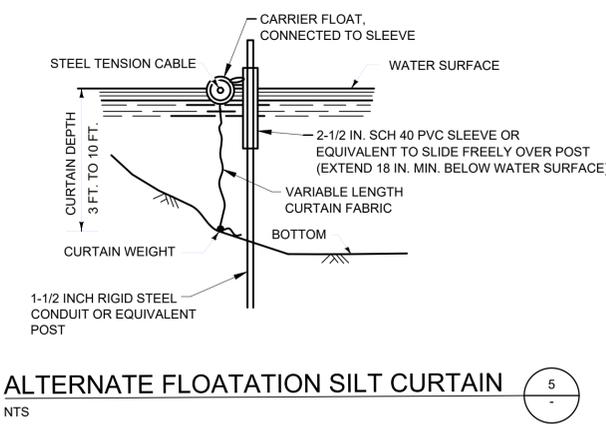
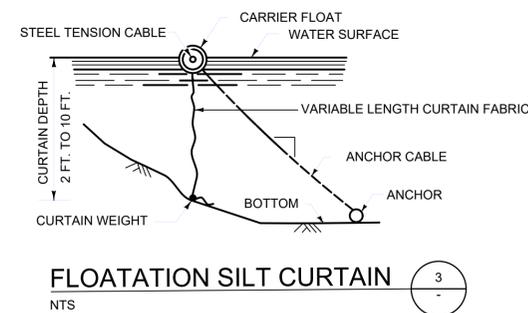
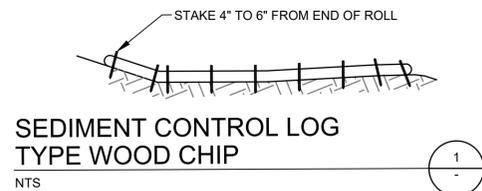
SCALE NO SCALE

SHEET

G003



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID



TYPICAL EROSION CONTROL DEVICES & SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
	SEDIMENT CONTROL LOG - 12 INCH
	FLOATATION SILT CURTAIN
	FILTER BAG INSERTS



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
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DRAWN BY	D. NELSON
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**CITY OF THIEF RIVER FALLS
 OXBOW RESTORATION & STORMWATER
 TREATMENT PROJECT**

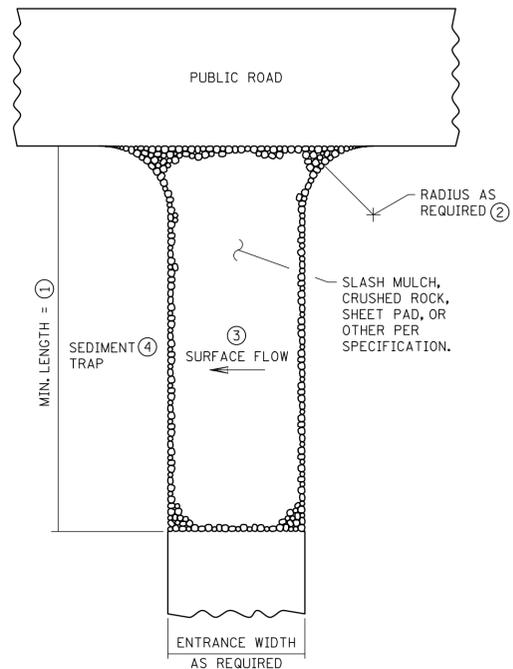
CITY OF THIEF RIVER FALLS
 405 3RD STREET EAST
 THIEF RIVER FALLS, MN 56701
 (218)-681-2943

SWPPP SITE PLAN & DETAILS

0 1" 2"

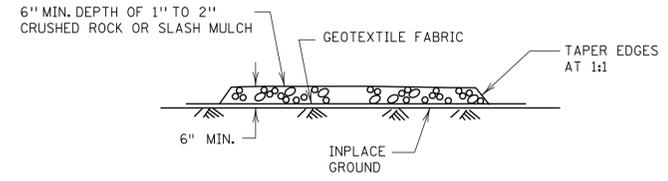
FILENAME | G005.DWG
 SCALE | AS SHOWN

SHEET
G004



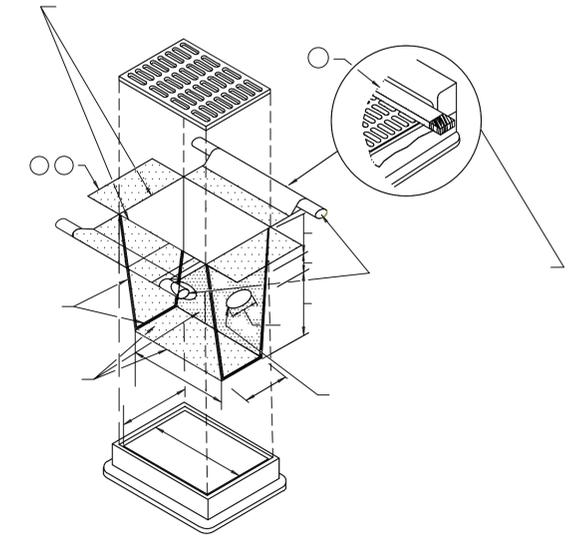
SLASH MULCH, CRUSHED ROCK, OR SHEET PAD CONSTRUCTION EXIT (5)(6)

STABILIZED CONSTRUCTION EXIT (1)
NTS



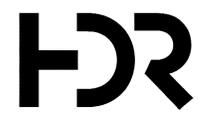
SLASH MULCH OR CRUSHED ROCK (2)
NTS

- NOTES:**
SEE SPECS. 2573 & 3882.
- ① MINIMUM LENGTH SHALL BE THE GREATER OF 50 FEET OR A LENGTH SUFFICIENT TO ALLOW A MINIMUM OF 5 TIRE ROTATIONS ON THE PROVIDED PAD. MINIMUM LENGTH SHALL BE CALCULATED USING THE LARGEST TIRE WHICH WILL BE USED IN TYPICAL OPERATIONS.
 - ② PROVIDE RADIUS OR WIDEN PAD SUFFICIENTLY TO PREVENT VEHICLE TIRES FROM TRACKING OFF OF PAD WHEN LEAVING SITE.
 - ③ IF RUNOFF FROM DISTURBED AREAS FLOWS TOWARD CONSTRUCTION EXITS, PREVENT RUNOFF FROM DRAINING DIRECTLY TO PUBLIC ROAD OVER CONSTRUCTION EXIT BY CROWNING THE EXIT OR SLOPING TO ONE SIDE. IF SURFACE GRADING IS INSUFFICIENT, PROVIDE OTHER MEANS OF INTERCEPTING RUNOFF.
 - ④ IF RUNOFF FROM CONSTRUCTION EXITS WILL DRAIN OFF OF PROJECT SITE, PROVIDE SEDIMENT TRAP WITH STABILIZED OVERFLOW.
 - ⑤ IF A TIRE WASH OFF IS REQUIRED THE CONSTRUCTION EXITS SHALL BE GRADED TO DRAIN THE WASH WATER TO A SEDIMENT TRAP.
 - ⑥ MAINTENANCE OF CONSTRUCTION EXITS SHALL OCCUR WHEN THE EFFECTIVENESS OF SEDIMENT REMOVAL HAS BEEN REDUCED. MAINTENANCE SHALL CONSIST OF REMOVING SEDIMENT AND CLEANING THE MATERIALS OR PLACING ADDITIONAL MATERIAL (SLASH MULCH OR CRUSHED ROCK) OVER SEDIMENT FILLED MATERIAL TO RESTORE EFFECTIVENESS.
 - ⑦ COMPLETELY REMOVE CONSTRUCTION EXIT UPON COMPLETION OF THE PROJECT.



STORM DRAIN INLET - FILTER BAG INSERT (3)
NTS

- NOTES: STORM DRAIN INLET FILTER BAG INSERT**
- ① ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
 - ② FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
 - ③ **INSTALLATION NOTES:**
DO NOT PLACE FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE PLACED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
 - ④ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

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

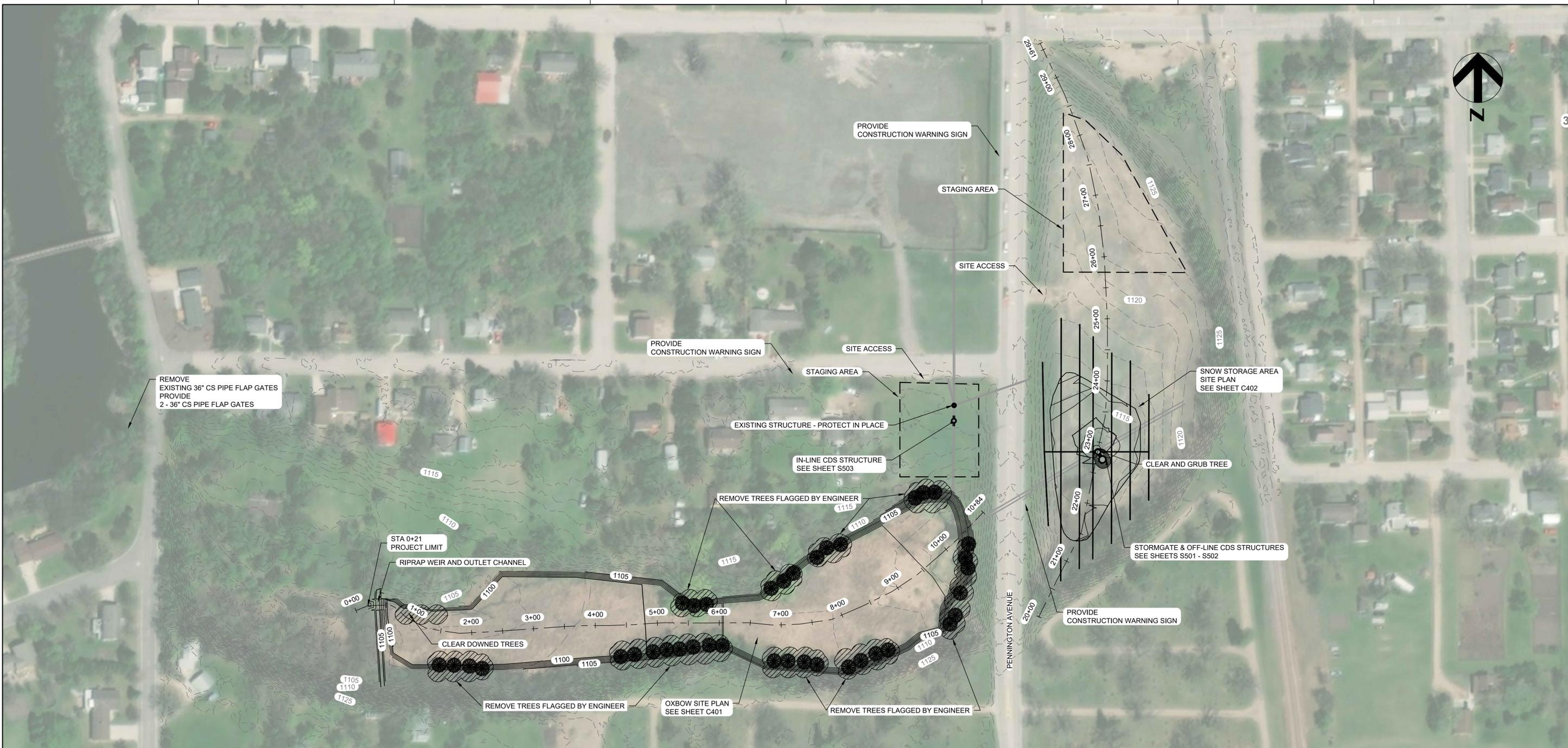
CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

SWPPP ENTRANCE & STORM DRAIN DETAILS

0 1" 2"

FILENAME | G006.DWG
SCALE | AS SHOWN

SHEET
G005



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

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



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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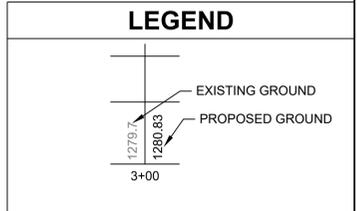
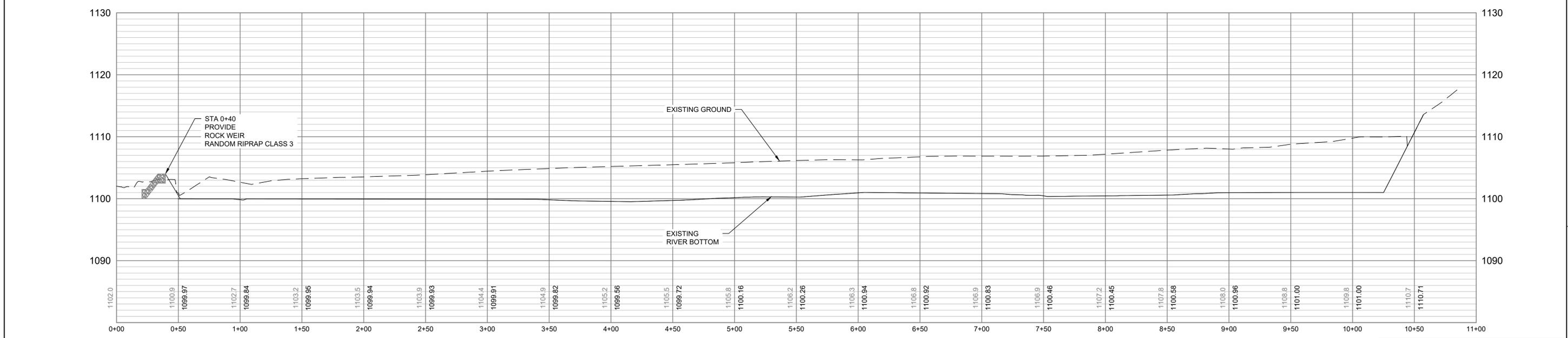
**CITY OF THIEF RIVER FALLS
OXBOW RESTORATION & STORMWATER
TREATMENT PROJECT**

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

SITE PLAN

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

SHEET | **C101**



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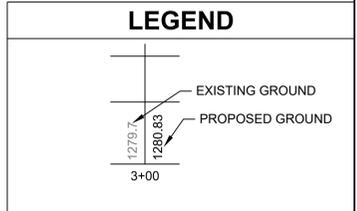
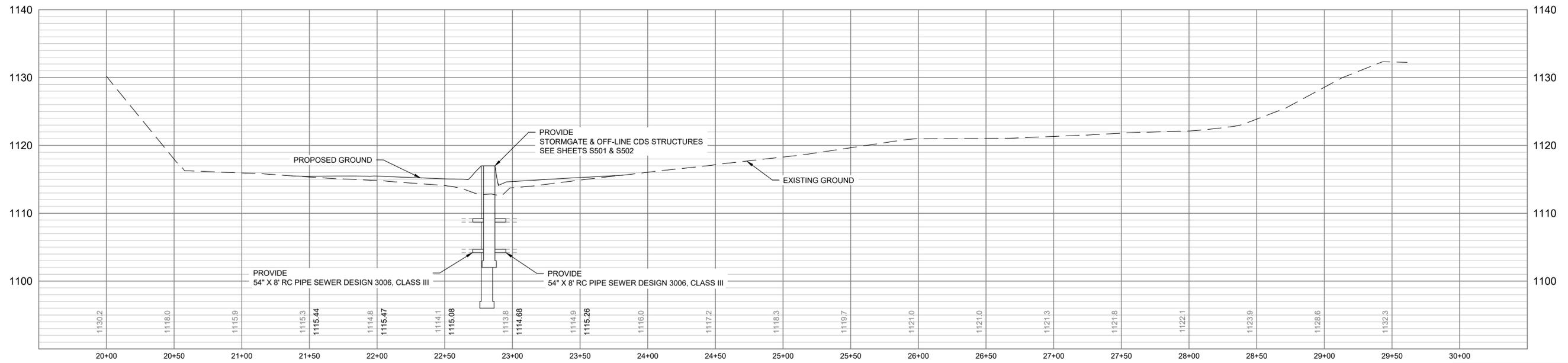
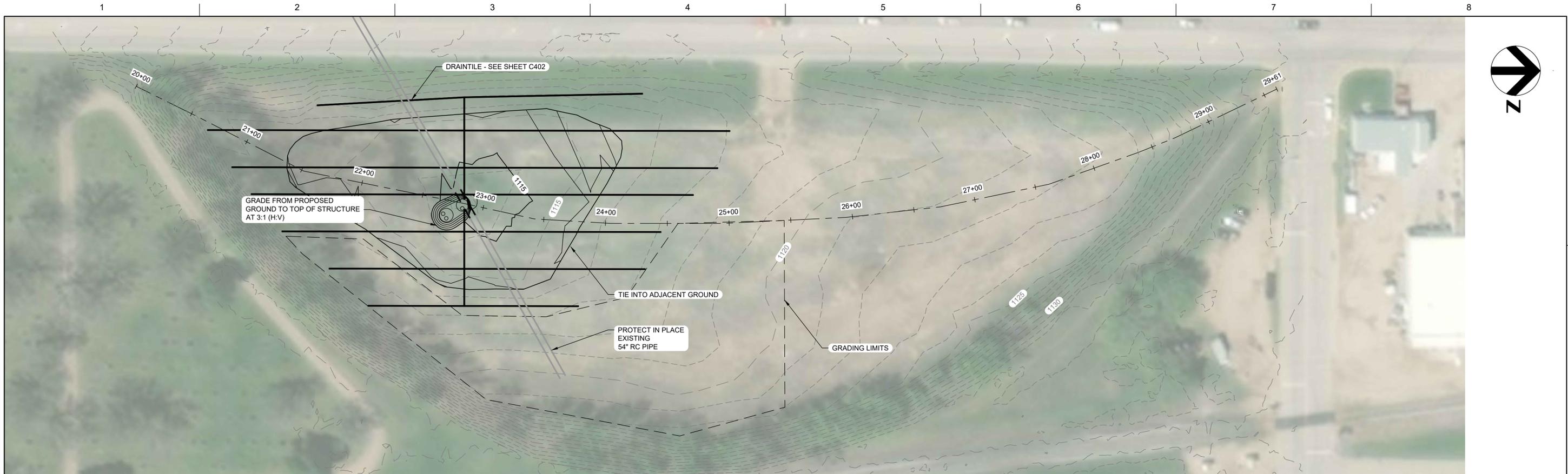
**CITY OF THIEF RIVER FALLS
 OXBOW RESTORATION & STORMWATER
 TREATMENT PROJECT**

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

OXBOW PLAN & PROFILE

0 1" 2" SCALE 1" = 40'

FILENAME C201.DWG SHEET C201



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
DESIGNER 2	R. KNOTT
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 TREATMENT PROJECT**

CITY OF THIEF RIVER FALLS
 405 3RD STREET EAST
 THIEF RIVER FALLS, MN 56701
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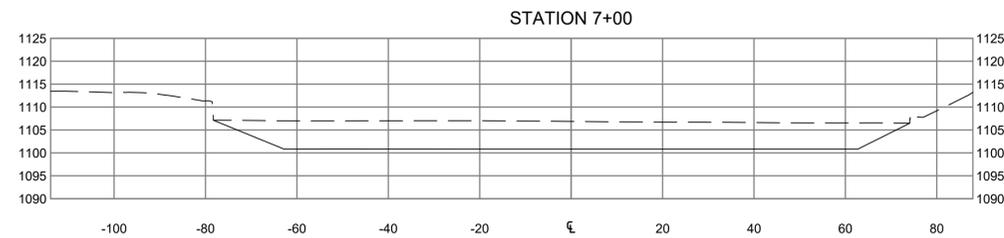
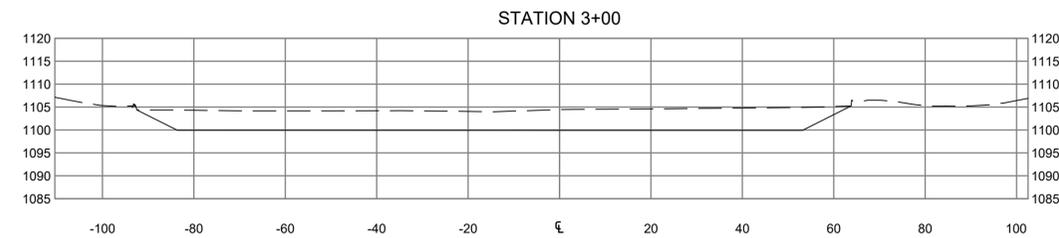
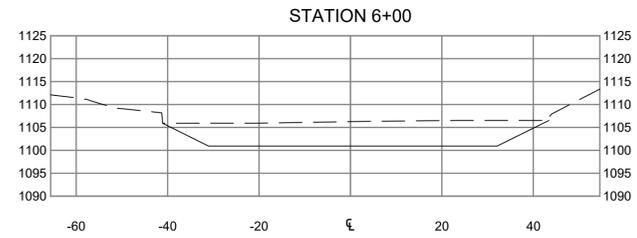
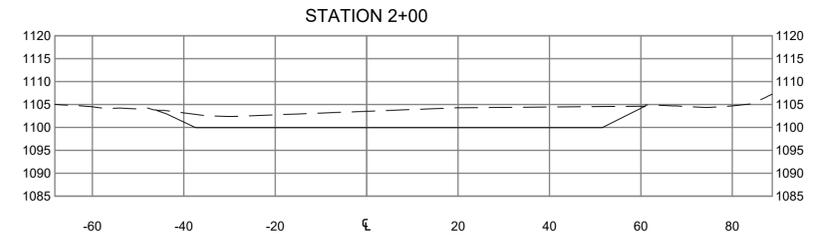
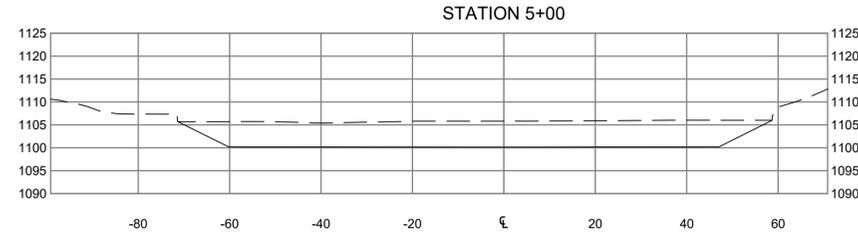
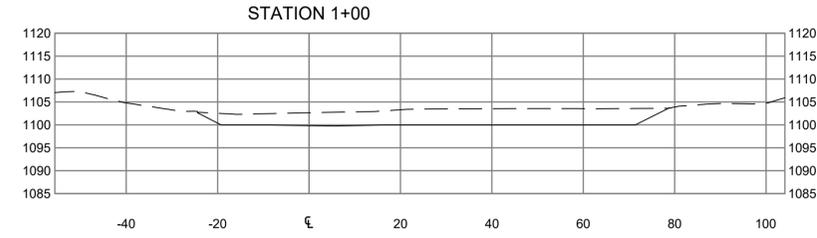
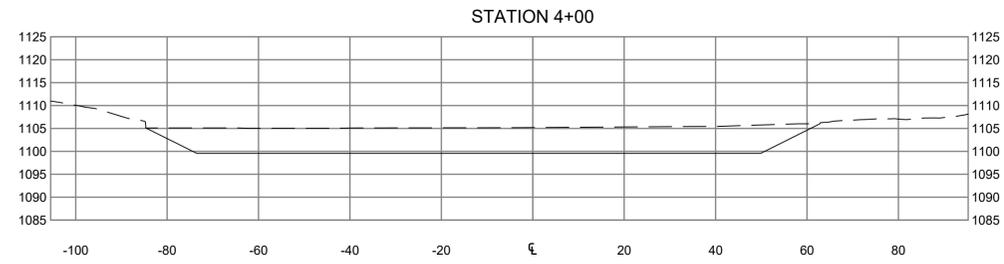
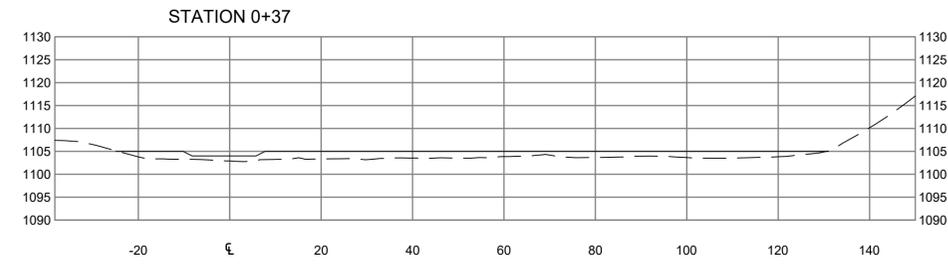
SNOW STORAGE PLAN & PROFILE

0 1" 2"

FILENAME | C202.DWG

SCALE | 1" = 40'

SHEET | **C202**



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
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 OXBOW RESTORATION & STORMWATER
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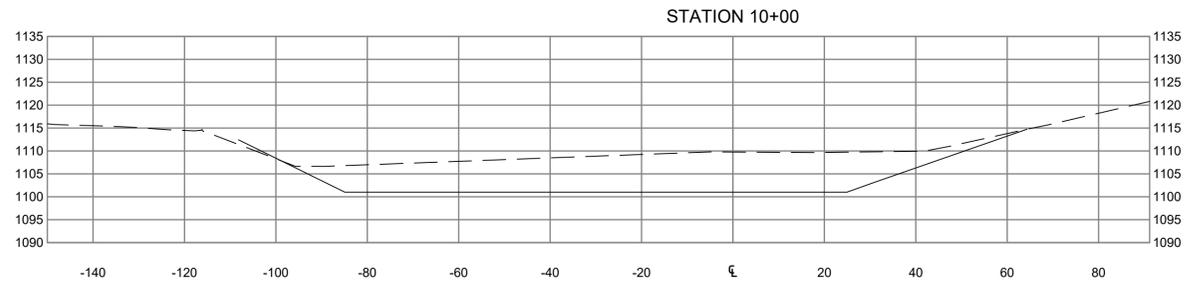
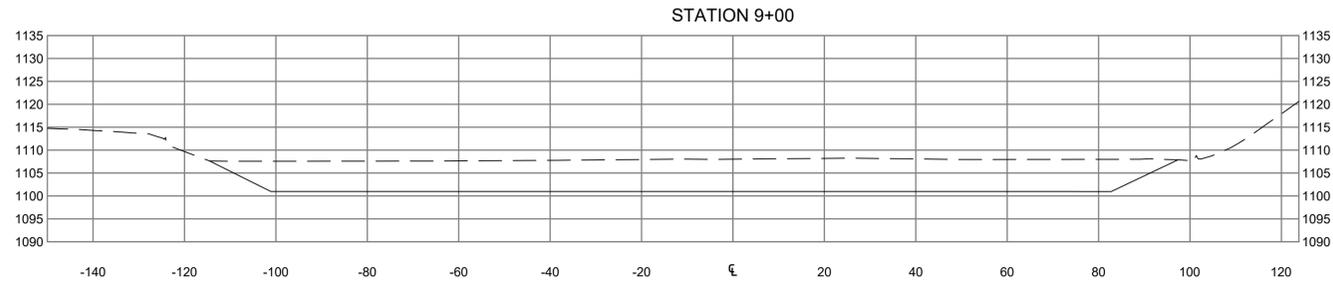
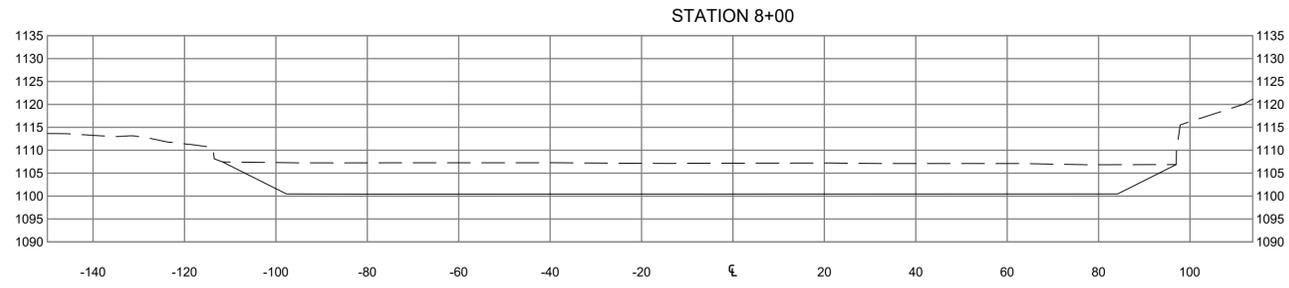
CITY OF THIEF RIVER FALLS
 405 3RD STREET EAST
 THIEF RIVER FALLS, MN 56701
 (218)-681-2943

**OXBOW CROSS-SECTIONS
 STATION 0+36 TO 7+00**



FILENAME | C301.DWG
 SCALE | -

SHEET
C301



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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

DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

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

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

**OXBOW CROSS-SECTIONS
 STATION 8+00 TO 10+00**



FILENAME | C302.DWG
 SCALE | 1" = 20'

SHEET
C302



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

CITY OF THIEF RIVER FALLS OXBOW RESTORATION & STORMWATER TREATMENT PROJECT

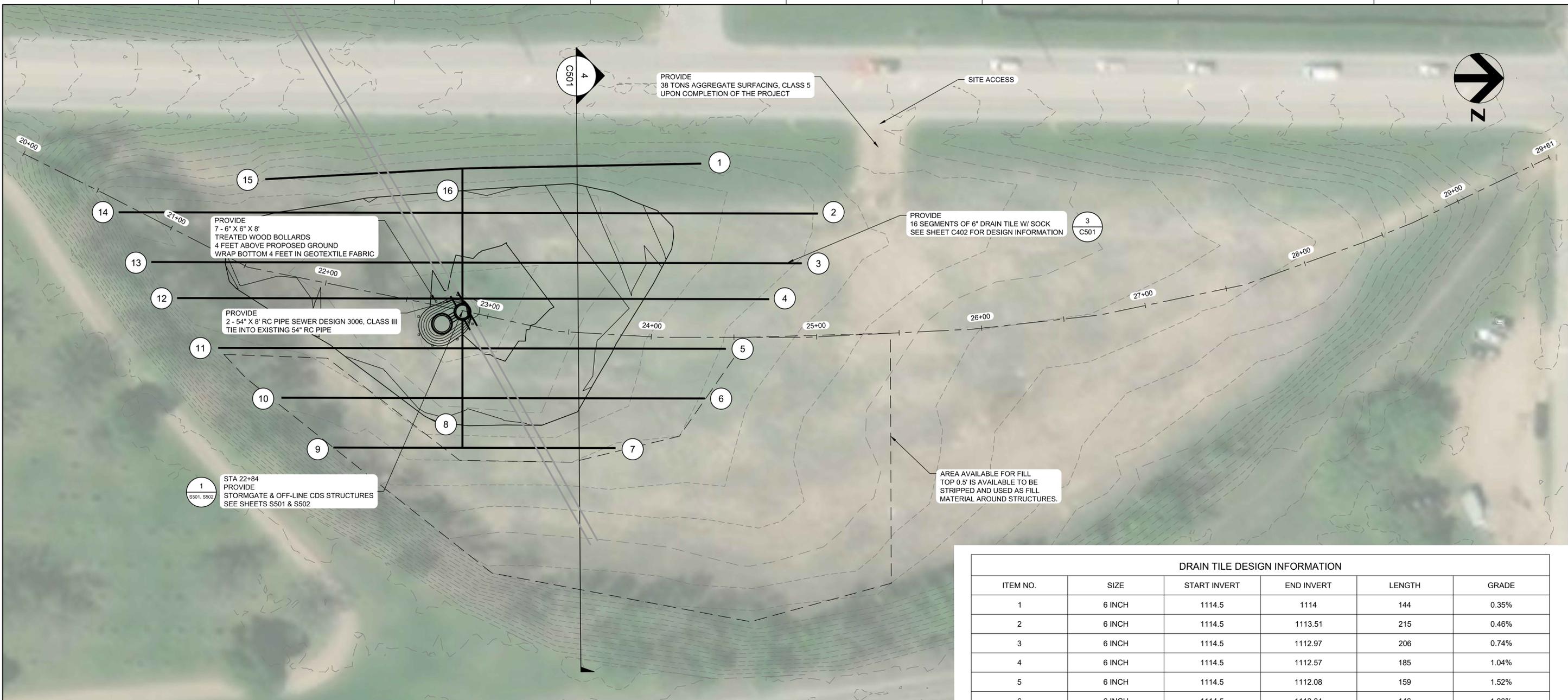
CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

OXBOW SITE PLAN



FILENAME | C401.DWG
SCALE | 1" = 40'

SHEET
C401



NOTE
DRAIN TILE MUST HAVE 1.0' OF NATIVE MATERIAL AND 1.0' OF GRANULAR FILTER MATERIAL OVER TOP OF PIPE. INVERTS AND GRADE SUBJECT TO CHANGE TO MEET THIS REQUIREMENT. SEE DETAIL 3 SHEET C501.

DRAIN TILE DESIGN INFORMATION					
ITEM NO.	SIZE	START INVERT	END INVERT	LENGTH	GRADE
1	6 INCH	1114.5	1114	144	0.35%
2	6 INCH	1114.5	1113.51	215	0.46%
3	6 INCH	1114.5	1112.97	206	0.74%
4	6 INCH	1114.5	1112.57	185	1.04%
5	6 INCH	1114.5	1112.08	159	1.52%
6	6 INCH	1114.5	1113.04	146	1.00%
7	6 INCH	1114.5	1114	92	0.54%
8	6 INCH	1114	1111.5	78	3.21%
9	6 INCH	1114.5	1114	78	0.64%
10	6 INCH	1114.5	1113.04	109	1.34%
11	6 INCH	1114.5	1112.08	148	1.64%
12	6 INCH	1114.5	1112.6	172	1.10%
13	6 INCH	1114.5	1112.97	188	0.81%
14	6 INCH	1114.5	1113.51	208	0.48%
15	6 INCH	1114.5	1114	110	0.45%
16	6 INCH	1114	1112.5	83	1.81%



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711
Dillon Nelson

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

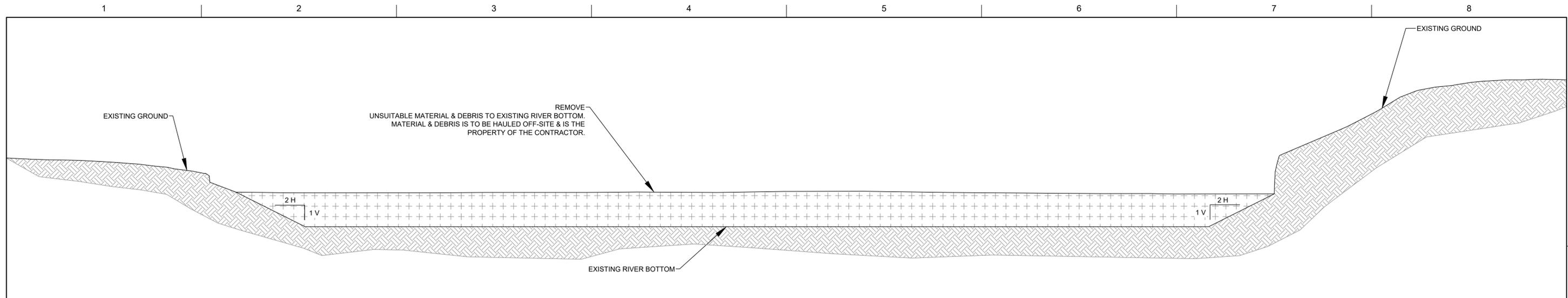
CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

SNOW STORAGE SITE PLAN



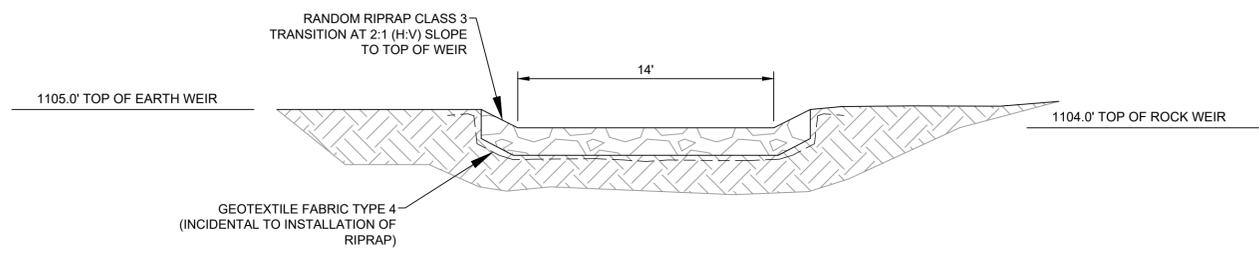
FILENAME | C402.DWG
SCALE | 1" = 40'

SHEET
C402



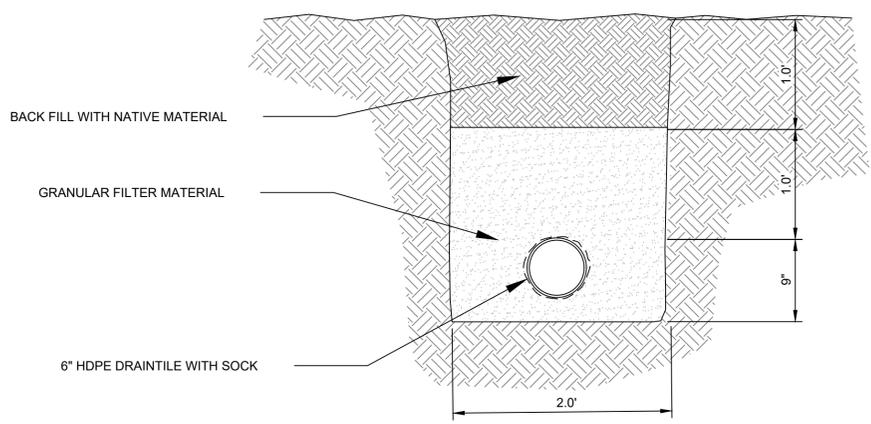
OXBOW SEDIMENT REMOVAL
SCALE: 1" = 10'-0"

1
C501



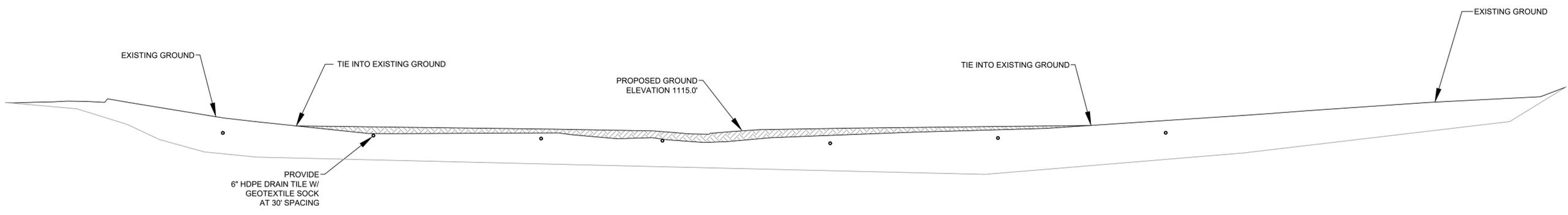
OXBOW ROCK WEIR
SCALE: 1" = 10'-0"

2
C501



6" DRAIN TILE
SCALE: 1" = 10'-0"

3
C501



SNOW STORAGE AREA
SCALE: 1" = 10'-0"

4
C501



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

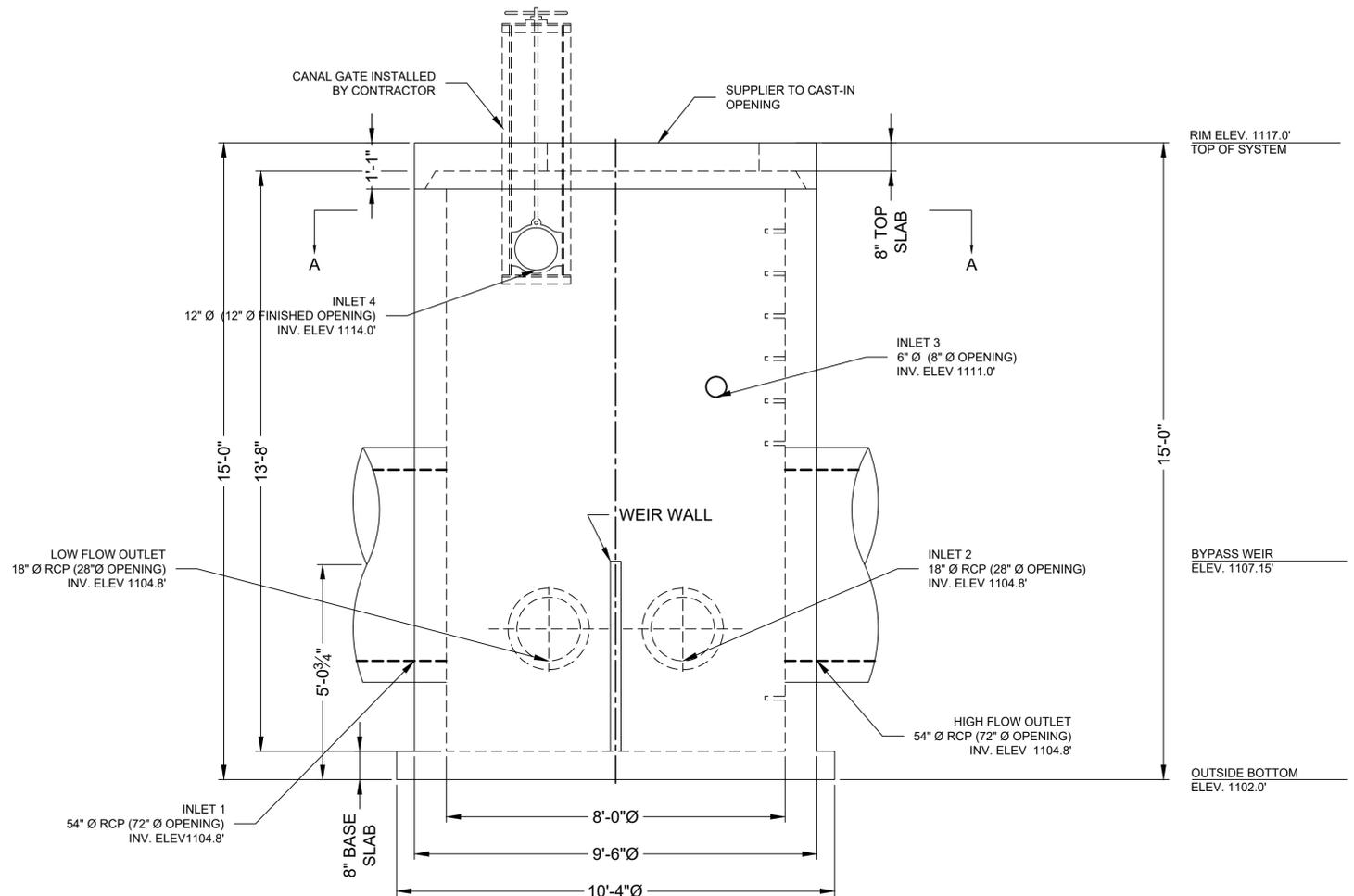
**CITY OF THIEF RIVER FALLS
OXBOW RESTORATION & STORMWATER
TREATMENT PROJECT**

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

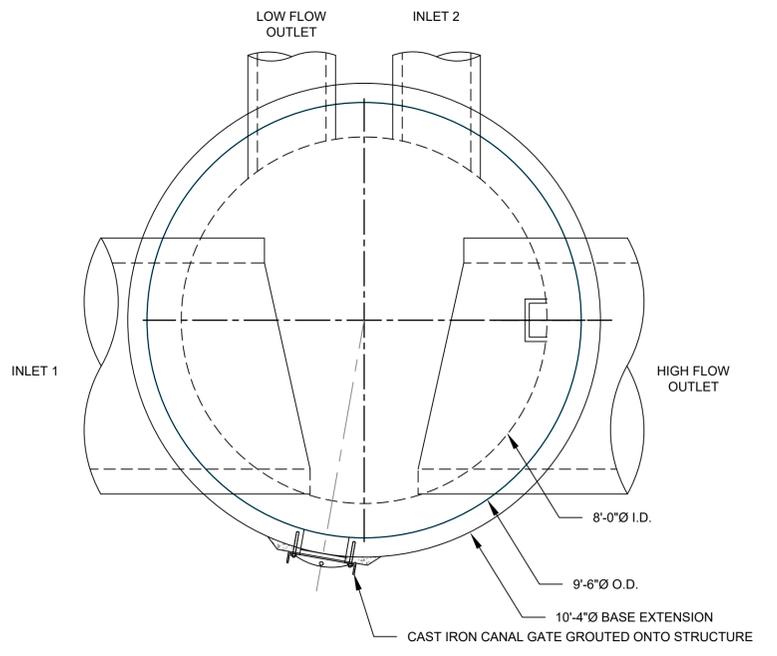
CIVIL DETAILS

FILENAME | C501.DWG
SCALE | AS SHOWN

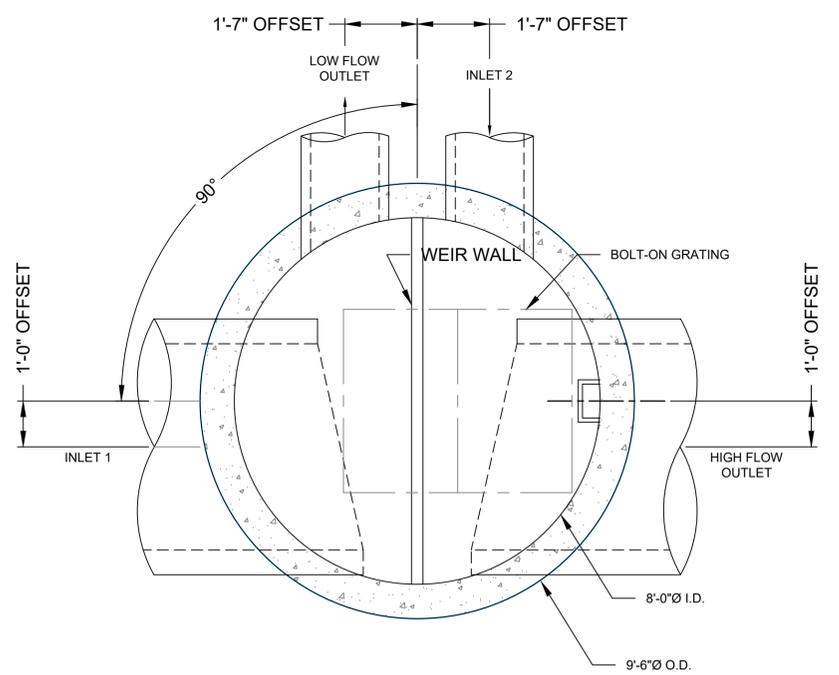
SHEET
C501



STORMGATE STRUCTURE ELEVATION VIEW
SCALE: 1" = 10'-0"
1
S501



STORMGATE STRUCTURE PLAN VIEW
SCALE: 1" = 10'-0"
2
S501



SECTION A-A OF STORMGATE STRUCTURE
SCALE: 1" = 10'-0"
3
S501



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
DESIGNER 2	M. PETERSON
DRAWN BY	J. WRIGHT
CHECKED BY	R. KNOTT
CHECKED BY	D. NELSON
PROJECT NUMBER	10134290

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DATE X/XX/XXXX LICENSE # 25309

Nathan P. Dalager

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

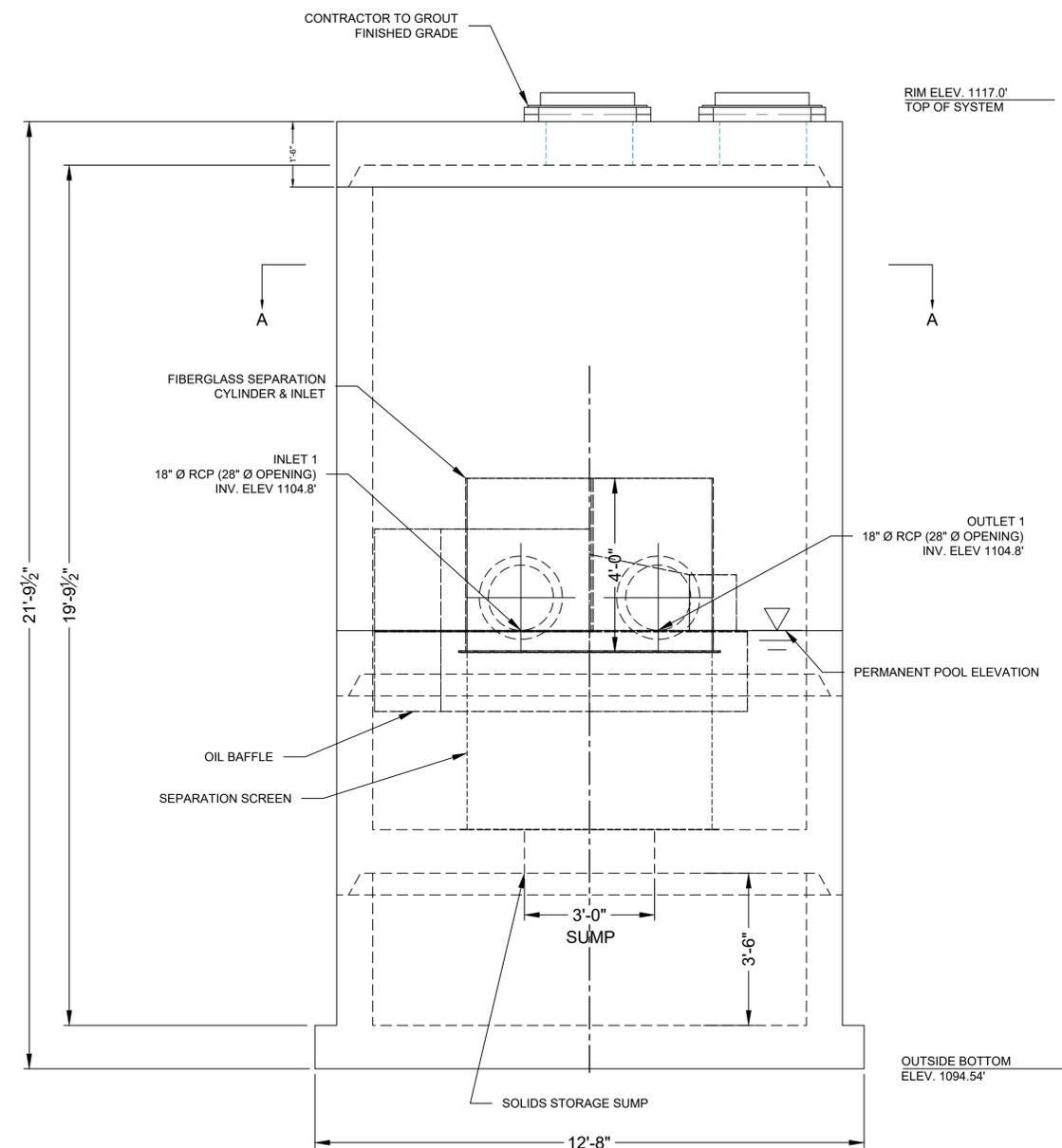
CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943



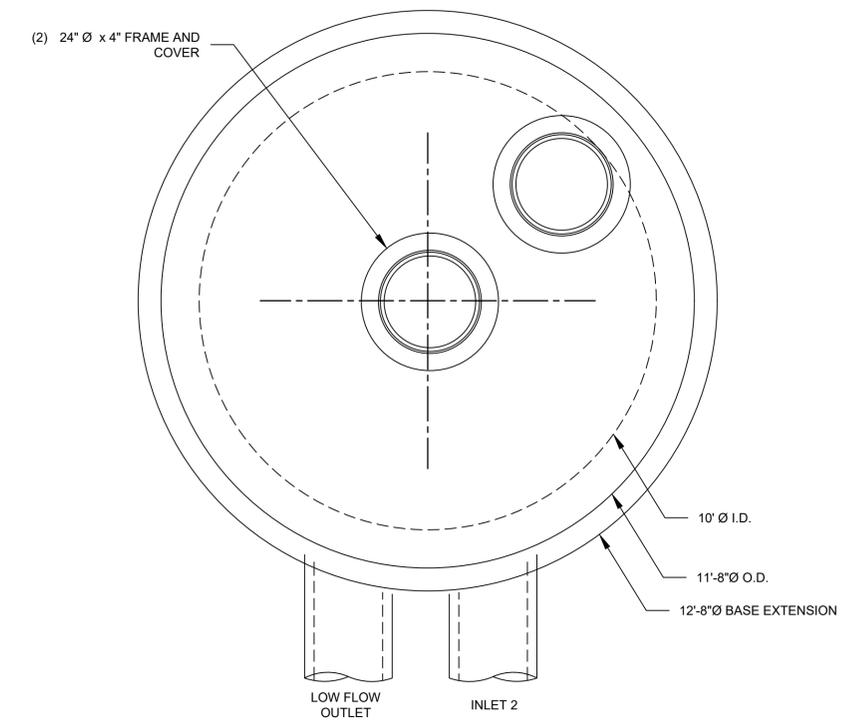
FILENAME | S501.DWG
SCALE | AS SHOWN

SHEET
S501

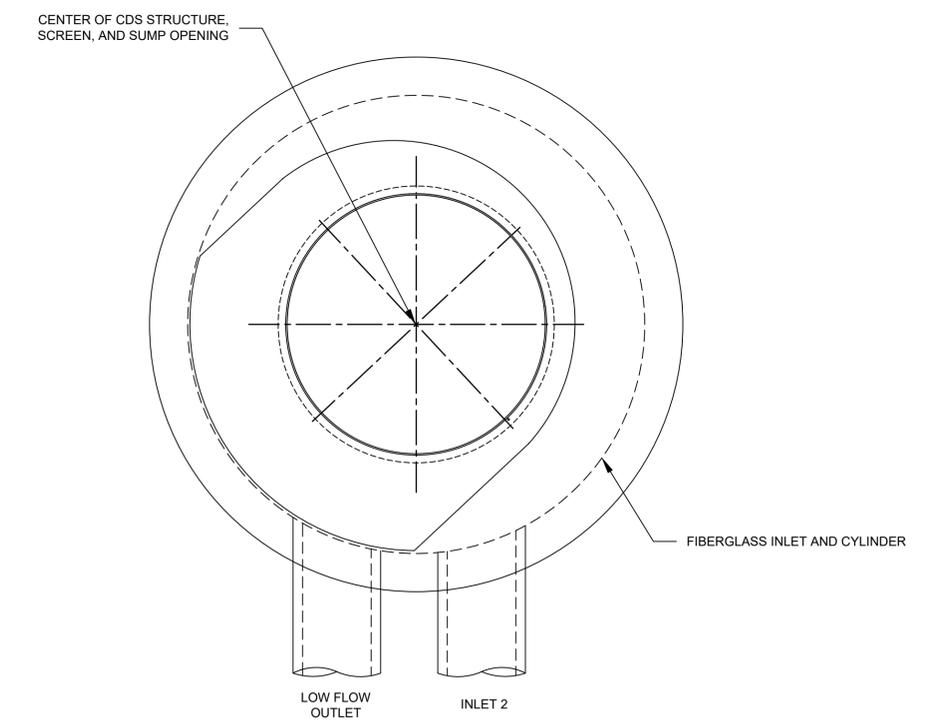
STORMGATE DETAILS



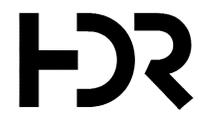
OFF-LINE CDS STRUCTURE ELEVATION VIEW 1
SCALE: 1" = 10'-0" S502



OFF-LINE CDS STRUCTURE PLAN VIEW 2
SCALE: 1" = 10'-0" S502



SECTION A-A OF OFF-LINE CDS STRUCTURE 3
SCALE: 1" = 10'-0" S502



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

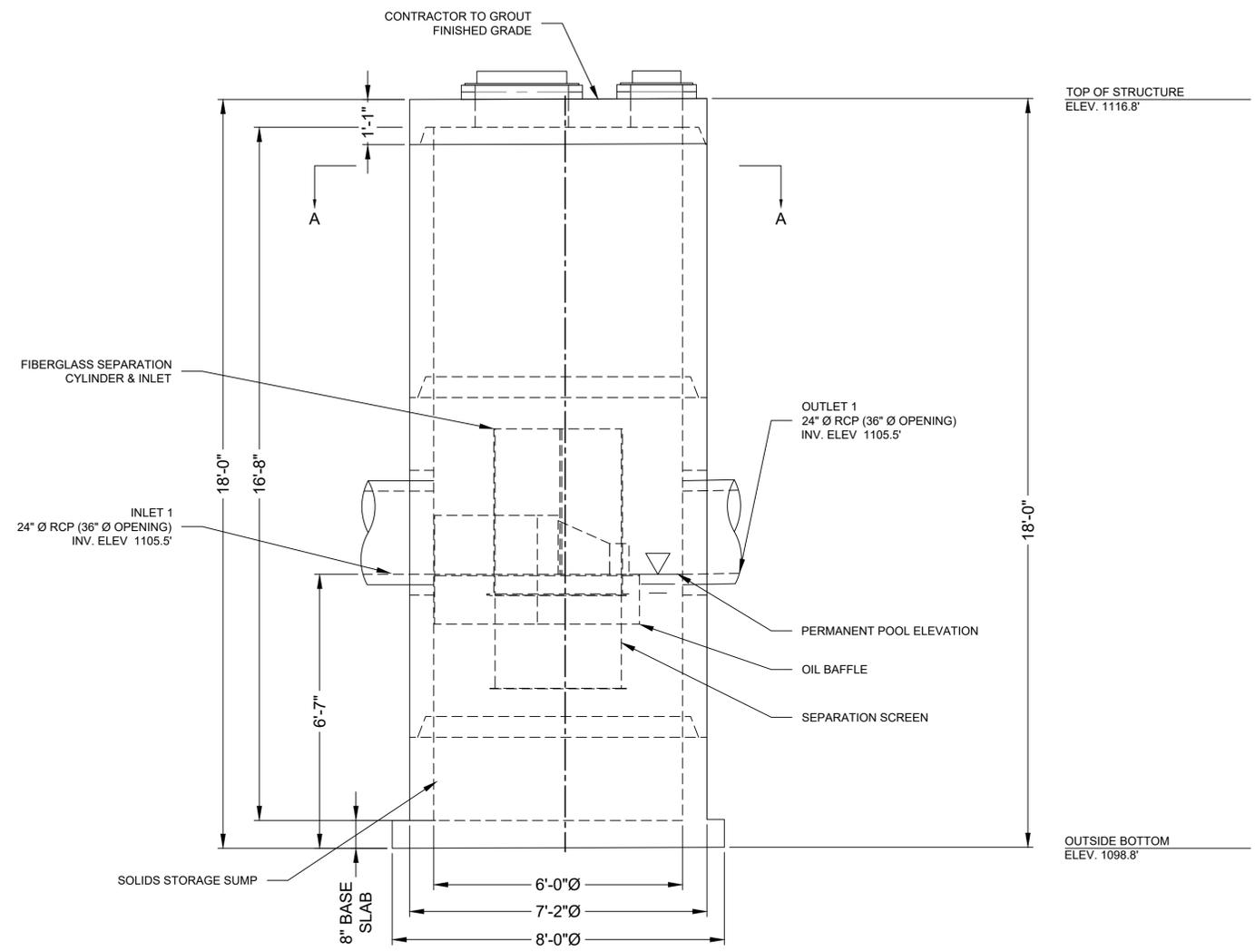
PROJECT MANAGER	NATHAN P. DALAGER
DESIGNER 1	D. NELSON
DESIGNER 2	R. KNOTT
DRAWN BY	D. NELSON
CHECKED BY	N. DALAGER
PROJECT NUMBER	10134290

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DATE X/XX/XXXX LICENSE # 58711
Dillon Nelson

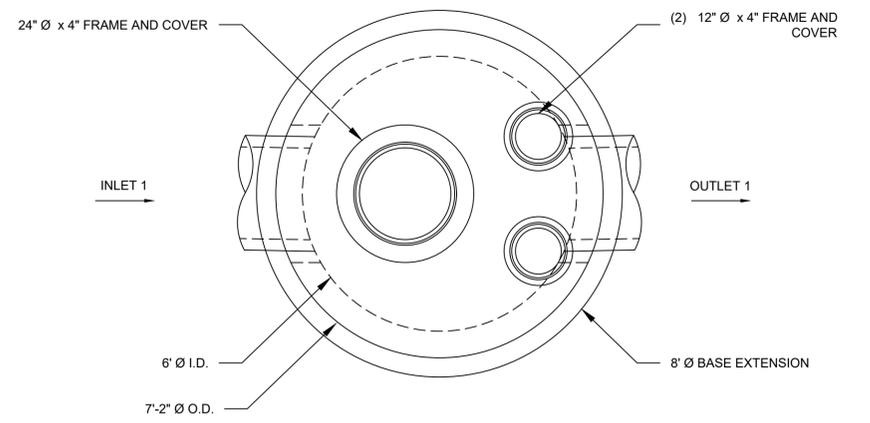
**CITY OF THIEF RIVER FALLS
OXBOW RESTORATION & STORMWATER
TREATMENT PROJECT**
CITY OF THIEF RIVER FALLS
405 3RD STREET EAST
THIEF RIVER FALLS, MN 56701
(218)-681-2943

OFF-LINE CDS DETAILS

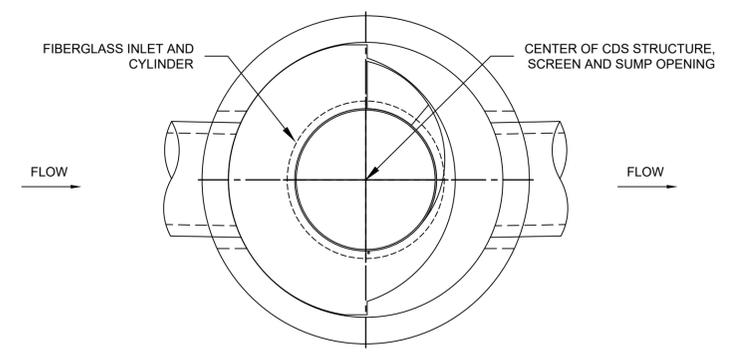
FILENAME | S502.DWG
SCALE | AS SHOWN
SHEET | **S502**



IN-LINE CDS STRUCTURE ELEVATION VIEW
SCALE: 1" = 10'-0"
1
S503



IN-LINE CDS STRUCTURE PLAN VIEW
SCALE: 1" = 10'-0"
2
S503



SECTION A-A OF IN-LINE CDS STRUCTURE
SCALE: 1" = 10'-0"
3
S503



ISSUE	DATE	DESCRIPTION
A		ISSUED FOR BID

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

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DATE X/XX/XXXX LICENSE # 58711

Dillon Nelson

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

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

IN-LINE CDS DETAILS

FILENAME | S503.DWG
SCALE | AS SHOWN

SHEET
S503

Tammy Audette

From: Myron Jesme
Sent: Friday, May 7, 2021 8:32 PM
To: Tammy Audette; Nick Olson
Subject: Fwd: Red Lake County Well Interference Investigation Concluded
Attachments: Investigation complete and settled -FINAL LETTER.docx

Get [Outlook for iOS](#)

From: Nelson, Carmelita M (DNR) <carmelita.nelson@state.mn.us>
Sent: Friday, May 7, 2021 3:27:15 PM
To: tanya.hanson@RedLake.mnswcd.org <tanya.hanson@RedLake.mnswcd.org>; klein.eastpolk@gmail.com <klein.eastpolk@gmail.com>; Myron Jesme <Myron.Jesme@redlakewatershed.org>
Cc: Guthrie, Robert (DNR) <robert.guthrie@state.mn.us>; Groshens, Tom P (DNR) <tom.groshens@state.mn.us>; Hovey, Tom E (DNR) <tom.hovey@state.mn.us>
Subject: Red Lake County Well Interference Investigation Concluded

Hi Tanya, Rachel, and Myron,
We just wanted to let you know that the Well Interference Investigation that was found valid in Red Lake County has been settled and closed. Attached is the letter that was sent to the irrigators.

The four irrigators (and two renters) paid \$7,024 for a new well and sealing the old well at the Fedor Snegirev property in Brooks, MN.

Let us know if you have any questions.
Thank you for the great conservation work that you do for the county.

Carmelita Nelson
Water Conservation Consultant | Ecological & Water Resources

Minnesota Department of Natural Resources
500 Lafayette Road
St. Paul, MN 55155-4025
Phone: 651-259-5034
Email: Carmelita.nelson@state.mn.us
mndnr.gov

 **DEPARTMENT OF
NATURAL RESOURCES**



May 7, 2021

Mr. David Bachand and Ms. Mary Lynn Bachand
706 Minnesota 222
Oklee, MN 56742

Mr. Brent Strand
3542 6th Street East
West Fargo, ND 58078

Mr. Jeffrey Bachand
20827 Pine Ridge Circle SE
Erskine, MN 56535

Mr. William Hess
33348 310th Avenue SE
McIntosh, MN 56556

Domestic Well Interference Complaint, Red Lake County, Fedor Snegirev – Settled & Closed

Dear Bill Hess, David Bachand and Mary Lynn Bachand, Brent Strand and Jeffrey Bachand,

The Department of Natural Resources has received confirmation that you have fulfilled the settlement agreement with Fedor Snegirev to restore water to his property. We appreciate your cooperation in taking care of this issue.

We consider these domestic well interferences resolved. Because it is resolved, your permit will continue without modification.

Resolution of this well interference does not mean a future interference will not happen. If a future interference were to take place, it would be addressed through the same process.

If you have any questions, please call me at 651-259-5034 or contact me via e-mail at Carmelita.nelson@state.mn.us. You may also contact hydrologist, Bob Guthrie at 1(218) 732-8960 X224 or Robert.Guthrie@state.mn.us

Sincerely,

Carmelita Nelson

Carmelita Nelson
Well Interference Coordinator
651-259-5034
Carmelita.nelson@state.mn.us

Ec: Tony Bachand, 24063 275th Ave. SE, Brooks, MN 56715
Tanya Waldo, Red Lake County SWCD; Rachel Klein, East Polk SWCD; and Myron Jesme, Red Lake WD
Nathan Kestner, Regional Manager, DNR EWR
Theresa Ebbenga, Assistant Regional Manager, DNR EWR
Tom Groshens, District Manager, DNR EWR
Michele Walker/Jennifer Rose, Groundwater Specialist, DNR EWR
Robert Guthrie, Groundwater Appropriation Hydrologist, DNR EWR
Ellen Considine, Hydrologist Supervisor, DNR EWR



2113 Wells Branch Pkwy, Ste 4400
 Austin, Texas 78728
 Phone 512-302-4333, Fax 512-251-6842

QUOTATION

Rep	Date	Quote #
CK	5/7/2021	28968

Name / Address	Ship To
Red Lake Watershed District Christina Slowinski 1000 Pennington Ave S Thief River Falls MN 56701	Red Lake Watershed District Christina Slowinski 1000 Pennington Ave S Thief River Falls MN 56701

Part Number	Description	QTY	Unit Cost	Total
Manta+20	Manta+20 multiprobe package - 1.95" diameter, with sensors for: temperature conductivity (with specific conductance, salinity, and TDS) pH (with separate reference electrode) optical dissolved oxygen optional ORP and depth Each package includes data cable, USB adapter, weighted sensor guard, storage and calibration cup, logging memory, electronic manual, MantaManager software, and three-year warranty.	1	4,176.00	4,176.00
cable M+ 25m	cable, 25 meter, marine connector	1	550.00	550.00
Bluetooth battery, Ap...	auxiliary battery with Bluetooth for Apple displays - connects multiprobe to Apple devices (e.g. iPhone, iPad); 11.1 Volt, 4.4Ah Li-ion with 110 volt AC wall charger	1	400.00	400.00
	Subtotal			5,126.00
Discount Domestic	Sales Discount		-5.00%	-256.30

Orders against this quote valid only upon receipt of Order Confirmation.	Total	\$4,869.70
Quote valid for 90 days after date issued.		

Customer Contact	Customer Phone	If not otherwise denoted on the quotation or sales order, cost of Shipping and Handling is to be paid by consignee.
Arlene	218-681-5800	



Permit # 21-038

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: **Red Lake** Township: **Louisville** Range: **45** Section: **29** 1/4: **SE1/4**
- (4) Describe in detail the work to be performed. **Clean township road ditch.**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Silted in.**

Status

Status	Notes	Date
Approved	"After the Fact Permit"	April 30, 2021
Received		April 12, 2021

Conditions

Applicant must be aware that this is an after-the-fact permit, as work was completed prior to the Red Lake Watershed District (RLWD) receiving a permit. Section 29 - Red Lake Watershed District (RLWD) approval to clean the township road ditch, as per approval of Louisville Township; proposed work is within Township Road Right-of-Way. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Current flow patterns shall remain "as-is" and there shall be no additional drainage area or flows from the adjacent agriculture land routed to the ditch that was cleaned. For work on lands not owned by applicant, he/she must obtain, in writing, approval from the affected landowners signing off on the performed work. Applicant shall work with neighboring landowners to ensure that all unpermitted work is done to their satisfaction. Applicant shall ensure that all disturbed areas are seeded. Section 35 -Red Lake Watershed District (RLWD) approval to clean the township road ditch, as per approval of Louisville Township; proposed work is within Township Road Right-of-Way. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. 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 # 21-040

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Knute Township	20549 Pine Ridge Drive SE Erskine, MN 56535		tel:218-687-5357 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Knute** Range: **42** Section: **16** 1/4: **NE1/4 NE1/4**

(4) Describe in detail the work to be performed. **Replace two rusted out culverts on 210th Avenue SE between County Roads 37 and 41.**

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

Status

Status	Notes	Date
Approved		May 11, 2021
Received		April 15, 2021

Conditions

Red Lake Watershed District (RLWD) approval to replace two centerline culverts, in kind. One is a 18" diameter and the other is a 24" diameter. 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./L.S.

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



Permit # 21-041

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Wayne DeMarais		18668 370th Street SW Beltrami, MN 56517		tel:218-926-5614 mobile: fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Polk** Township: **Kertsonville** Range: **45** Section: **32 1/4**:

(4) Describe in detail the work to be performed. **Remove sod edge of field, put dirt in wash out in middle of field. Construct a crossings.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Wash out needed to be filled.**

Status

Status	Notes	Date
Approved	"After the Fact"	May 12, 2021
Received		April 15, 2021

Conditions

Red Lake Watershed District (RLWD) approval of the cleaned township road ditch, the installed ditch plug, and new dry crossing, as per approval of Kertsonville Township; proposed work is within the township road right-of-way. It should be noted that there are two adjacent dry crossings directly up-stream of the permit site. The RLWD will monitor the permit area to observe any adverse impacts of the ditch plug and dry crossing. If any adverse impacts are observed, the applicant shall be responsible to perform the RLWD recommended changes to this permit at his expense. 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 # 21-044

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Clarice DeBoer		216 East 7th Street Crookston, MN 56716		tel: mobile: 218-289-2154 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Kertsonville** Range: **45** Section: **7 1/4: SE1/4 SW1/4**

(4) Describe in detail the work to be performed. **Install field crossing in SE SW1/4 corner**

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

Status

Status	Notes	Date
Approved		May 11, 2021
Received		April 20, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install two lines of 36" diameter culverts for a field entrance, as per approval of Kertsonville Township; proposed work is within Township Road Right-of-Way. To obtain a 30' top on the crossing, the applicant will need the culverts to be 60' in length. 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 culverts. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

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



Permit # 21-045

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Thief River Falls Regional Airport Authority	13722 Airport Drive 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: **Rocksbury** Range: **43** Section: **16 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Construction of a cargo apron and hangar. Construction of two filtration basins to treat stormwater runoff.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improvements are needed to expand airport capabilities and function.**

Status

Status	Notes	Date
Approved		April 30, 2021
Received		April 21, 2021

Conditions

Red Lake Watershed District (RLWD) approval to construct a cargo apron and hangar along with two filtration basins to treat stormwater runoff. Engineering has been completed by SEH. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.

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



Permit # 21-046

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Minnesota Department of Transportation	3920 Highway 2 West Bemidji, MN 56601		tel:218-214-6137 mobile: fax:

General Information

(1) The proposed project is a:

Road Grading

(2) Legal Description

(3) County: **Polk** Township: **Knute** Range: **40** Section: **None 1/4**:

(4) Describe in detail the work to be performed. **Project will consist of concrete replacement of TH 2 EB from Fosston to Erskine. Several culverts will be replaced, storm sewer replaced in McIntosh and Fosston, TH 2 EB curve will be realized east of McIntosh to address poor geometrics. Culvert rehab (lining), turn lane extensions, turn lane construction and ADA improvements will also be included.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Pavement surface ridge quality index on TH 2 EB is expected to drop below 2.0 in 2025. There is roadside infrastructure, ADA and access management that needs to be addressed as well.**

Status

Status	Notes	Date
Approved		April 30, 2021
Received		April 23, 2021

Conditions

Red Lake Watershed District (RLWD) approval as per plan set provided. N.J.O.

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



Permit # 21-047

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Red Lake County Highway Department	204 7th Street SE Red Lake Falls, MN 56750		tel:218-253-2697 mobile: fax:

General Information

- (1) The proposed project is a:
Culvert Installation / Removal / Modification
- (2) Legal Description
- (3) County: **Red Lake** Township: **Terrebonne** Range: **43** Section: **18 1/4: SW1/4**
- (4) Describe in detail the work to be performed. **Replace existing 24" culvert.**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Culvert is rusted out.**

Status

Status	Notes	Date
Approved		May 12, 2021
Received		April 26, 2021

Conditions

Red Lake Watershed District (RLWD) approval to remove and replace a 30" diameter centerline culvert, in kind. 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./L.S.

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



Permit # 21-048

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Red Lake County Highway Department	204 7th Street SE Red Lake Falls, MN 56750		tel:218-253-2697 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

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

(4) Describe in detail the work to be performed. **Replace existing 36"x60' culvert.**

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

Status

Status	Notes	Date
Approved		May 12, 2021
Received		April 26, 2021

Conditions

Red Lake Watershed District (RLWD) approval to remove and replace a 36" diameter field entrance culvert, in kind. 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./L.S.

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



Permit # 21-049

Status Report: **Approved**

Applicant Information

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

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **20** 1/4: **SE1/4**

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

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

Status

Status	Notes	Date
Approved		May 12, 2021
Received		April 28, 2021

Conditions

Red Lake Watershed District (RLWD) approval to replace an 18" diameter field entrance, in kind, as per approval of Red Lake County Highway Department; proposed work is within County Road #118 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. (1-800-252-1166) N.J.O.

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



Permit # 21-050

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Donavon Dahl		29412 390th Street NE Middle River, MN 56737		tel:218-459-3337 mobile: 218-689-2493 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall Township: Rollis Range: 40 Section: 8 1/4: NE1/4 NW1/4**

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

(5) Why is this work necessary? Explain water related issue/problem being solved. **Crossing and driveway to a new family dwelling and for agriculture/impliment use.**

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 3, 2021

Conditions

Red Lake Watershed District (RLWD) approval to install an 18" diameter building site entrance, as per approval of Marshall County Highway Department; proposed work is within County Road #6 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. (1-800-252-1166) N.J.O./L.S.

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



Permit # 21-051

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Trent Stanley		30598 270th Street NE Goodridge, MN 56725		tel: mobile: 218-689-3192 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Marshall Township: Moylan Range: 40 Section: 4 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Regrade Highway 219 ditch**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Buffer needs to be seeded.**

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 5, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean Branch 163 of J.D.#11, which lies in the right-of-way of MN Trunk Highway #219. Applicant shall meet all requirements and specifications of Marshall County Ditch Authority and the MN Department of Transportation. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. 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 # 21-052

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Moylan Township	30598 270th Street NE Goodridge, MN 56725		tel: mobile: 218-689-3192 fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Marshall** Township: **Moylan** Range: **40** Section: **27 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Regrade road slope in the NE1/4 of Section 27 and the SW1/4 of Section 28.**

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

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 5, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean township road ditch in two different locations. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. 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 # 21-053

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Lonnie Longtin		19469 180th Street SE Plummer, MN 56748		tel: mobile: 218-686-3883 fax:

General Information

- (1) The proposed project is a:
Surface Drainage (New Ditch or Improvement)
- (2) Legal Description
- (3) County: **Red Lake** Township: **Garnes** Range: **41** Section: **33 1/4**; **SE1/4**
- (4) Describe in detail the work to be performed. **Clean ditch along township road.**
- (5) Why is this work necessary? Explain water related issue/problem being solved. **Better field drainage.**

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 6, 2021

Conditions

Red Lake Watershed District (RLWD) approval to clean a west township road ditch. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. 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 # 21-054

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
	Marshall County Highway Department	447 South Main Warren, MN 56742		tel: mobile: 218-201-1424 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

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

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

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

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 6, 2021

Conditions

Red Lake Watershed District (RLWD) approval to remove a 24" diameter metal centerline culvert with a flap gate and replace it with a 24" concrete culvert with a flap gate. 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./L.S.

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



Permit # 21-055

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Kenneth Beito	Como Township	19903 County Line Rd. N Strathcona, MN 56759		tel:218-689-1657 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Marshall** Township: **None** Range: **42** Section: **36 1/4**:

(4) Describe in detail the work to be performed. **replacement of an 18" diameter concrete drive way culvert with an 18" diameter metal culvert.**

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

Status

Status	Notes	Date
Approved		May 12, 2021
Received		May 4, 2021

Conditions

Red Lake Watershed District (RLWD) approval to remove and replace an 18" diameter driveway entrance. 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.

Declare Excess Property

1. Drafting Chair



2. Printer Stand



3. Wooden Flat File



4. Fireproof file cabinets



5. 2-5' folding tables
2-6' folding tables



6. 2 place snowmobile trailer



7. Snowblower-MTD 8HP 26" cut
Electric start



8. 2008 Arctic Cat Snowmobile T570-2 Up
snowmobile with third seat



9. 2005 4WD Arctic Cat 4-wheeler
400 CC - Automatic



Misc. Items:

Canned Lighting

Paper towel dispensers

Misc.

Red Lake Watershed District - Administrators Report

May 13, 2021

Red River Watershed Management Board – LeRoy and I will be attending the RRWMB at 9:00 am May 18, 2021 via Microsoft Teams. There is discussion as to when they should allow in person meeting along with a virtual option.

Clearwater River 1WIP – At 1:00 am April 28, 2021 the Clearwater River Policy Committee met. I have included in your packet the agenda that was used for that meeting. Corey and I have a PWG meeting scheduled for 9:00 am May 19, 2021 in preparation of our first Advisory Committee meeting which will be held at 9:00 am May 26, 2021. I have a conflict on the 19th as I have another meeting, but Corey will attend on the Districts behalf.

River Watch – Christina has been out working with upwards of three River Watch schools this spring. There is still some lag on a few schools as to getting up and running so we will have to see how that works out given we are entering our last month of school.

Minnesota Association of Watershed Administrator – Region 1 Administrators have set a meeting for 9:30 am May 19, 2021 to discuss BWSR activity and other legislative items as we near the end of the legislative session. We are also looking at setting up a criteria where each Region in the State hold quarterly regional meeting to keep each other and MAWA abreast to projects, concerns and other items of interests Watershed Districts may have.



Clearwater River Watershed One Watershed, One Plan	Policy Committee Meeting Meeting #2	Date: April 28,2021
		Time: 1:00pm-3:00pm
		Location: Virtual Meeting Held via Teams

Staff Support: Chester Powell

Note taker: Brielle Prokosch

Invitees:

Policy Committee: Mark Larson, John Gunvalson, Jackie Ulrich, Neil Peterson, Darryl Tveitbakk, Greg Helgman, Joan Lee, Ron Weiss, Mark LaCross, Tom Anderson, Terry Sorenson

SWCD Staff: Chester Powell, Tanya Waldo, Peter Nelson, Rachel Klein

RLWD Staff: Myron Jesme, Corey Hanson

Consultant: Moriya Rufer - HEI

BWSR Staff: Chad Severts – Board Conservationist, Henry Van Offelen-Clean Water Specialist

Pre-work: Review: February meeting minutes, Advisory Committee List. Prepare resource and issue ideas

Please bring:

Agenda Items

Topic	Purpose	Presenter	Time allotted
✓ Agenda and Last Meeting Minutes	DECISION	Policy Committee Chair	10 min.
✓ Introduction Activity	DISCUSSION	PWG	40 min.
✓ Resource and Issue input	DISCUSSION	PWG Coordinator/Moriya	25 min.
✓ Land and Water Resource Narrative	DISCUSSION	Moriya Rufer	15 min.
✓ Advisory Committee Approval	DECISION	PWG Coordinator	10 min.
✓ Public kick off meeting input	DISCUSSION	PWG Coordinator	15 min.
✓ Discuss future agenda items & schedule next meeting	DECISION	PWG Coordinator	5 min.