

#5 Douglas Trail 7 Culvert (Dam Removal)

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

Page 1 of 5

Due Date: April 15

ATV/UTV Trail Aid

Snowmobile Trail Aid

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law {ss. 19.31 – 19.39, Wis. Stats.}.

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your [Community Services Specialist](#).

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Douglas County Forestry			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input checked="" type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Clint Meyer			Check Recipient Name (Name to Appear on Check) Clint Meyer		
Title Park and Recreation Supervisor			Title Park and Recreation Supervisor		
Address PO Box 211			Address PO Box 211		
City Solon Springs	State WI	ZIP Code 54873	City Solon Springs	State WI	ZIP Code 54873
Telephone Number (715) 378-2219	Email Address clint.meyer@douglascountywi.gov				

Section 2: Project Information Required for all Projects

Project Title Douglas County trail 7 Culvert replacement				Current Funded Miles 355	New Miles (if applicable)
County Douglas	Township 41 N	Range 11	Section 6	1/4 1/4 1/4	GPS Coordinates: Lat. _____ Long. _____

Project Description Summary

Trail 7 runs across Olson Meadow Dam utilizing it as a crossing of an unnamed tributary to lower ox creek. the structure is approximately 50 years old and has structural issues that need to be addressed. The county has decided to remove the dam in suing so the county will apply for a Dam Removal Grant that can fund \$50,000.00 of the cost the remainder is requesting to be funded by the snowmobile and WATV program for the replacement of the failing culvert. total project cost is \$128,000.00. It is estimated that \$50,000.00 will be funded by the Dam Removal Grant leaving a total of \$78,600.00 to be divided between Snowmobile(\$39,300.00) and Winter ATV(\$39,300.00).

I certify that all maintenance land use agreements are on file.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$78,600.00		\$78,600.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Clint Meyer	Official's Title Park and Recreation Supervisor
--	--

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.

Signature of Authorized Official

Date Prepared

4-15-2024

Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

[X] Bridge Rehab/Replace [] New Bridge [] Reroute with new bridge

County	Township	Range	Section	1/4	1/4	1/4	GPS Coordinates:
Douglas	41 N	11	6				Lat. Long.
Water Body Name			Bridge Name			County Inventory Number	
TR LOWER OX CREEK							
Funded Trail Name or Number (SNARS if applicable)			Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No Year: _____ \$ _____				
trail 7							
Bridge is located on: <input type="radio"/> Private property <input checked="" type="radio"/> Public property			Old Bridge/Culvert Size <u>48"X70'</u> New Bridge/Culvert Size <u>66"X70'</u>				
Landowner Where Bridge is Located			Telephone Number		Length of Trail Use Agreement (5 year minimum)		
Douglas County Forestry			(715) 378-2219		indefinite		
Current maximum load _____ lbs.		Age of Bridge		Bridge Material			
Proposed maximum load _____ lbs.		50 years		CMP			
Sponsoring Club Name			Club Contact			Telephone Number	
Jack Pine Riders			Dave Krenz			(218) 491-3411	
Do you have your trail bridges posted as to maximum load? <input checked="" type="radio"/> Yes <input type="radio"/> No			What is the maximum load of the other bridges on the system if groomed with this bridge?				
What is the weight of your puller & drag/grading equipment?							
What other recreational trail uses are planned for this bridge?							
Snowmobile, WATV/UTV, pedestrian use, Hunting							
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users?							
\$50,000.00 Dam Removal Grant							

- Yes No Have you contacted your local [DNR Water Management Specialist \(WMS\)](#) regarding a permit?
- Yes No Is a permit needed? (Please provide any written correspondence from WMS.)
- Yes No Have you contacted your County Zoning Dept. regarding a floodplain determination?
- Yes No Will an H & H (hydrologic and hydraulic) study be required?

Bridge Project Detailed Description

Trail 7 runs across Olson Meadow Dam utilizing it as a crossing of an unnamed tributary to lower ox creek. the structure is approximately 50 years old and has structural issues that need to be addressed. The county has decided to remove the dam in suing so the county will apply for a Dam Removal Grant that can fund \$50,000.00 of the cost the remainder is requesting to be funded by the snowmobile and WATV program for the replacement of the failing culvert. The selected contractor will remove the old whistle tube dam structure and culvert and replace it with a new concrete culvert.

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

	Quote 1	Quote 2
	<input type="radio"/> Steel <input type="radio"/> Wooden	<input type="radio"/> Steel <input type="radio"/> Wooden
Bridge Dimensions:	66"x70'	_____
Bridge Manufacturer:	concrete	_____
Design Weight Load	_____ lbs.	_____ lbs.
Cost of Structure:		
1. Engineering	\$ 51,700	\$ _____
2. Structure	\$ 76,900	\$ _____
Subtotal	\$ 128,600	\$ _____

	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ _____	\$ _____
3. Abutments	\$ _____	\$ _____
4. Pilings/Piers	\$ _____	\$ _____
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ _____	\$ _____
7. Labor	\$ _____	\$ _____
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other _____	\$ _____	\$ _____
Subtotal	\$ _____	\$ _____
Total Cost	\$ 128,600	\$ _____

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects Contractor Sponsor Club

Bridge Dimensions:	_____
Design Weight Load	_____ lbs.
1. Materials	\$ _____
2. Labor	\$ _____
Total	\$ _____

Todd Gibbon
Long Island Engineering LLC
201 Maple Ridge
Ashland, WI 54806



February 23, 2024

Clint Meyer
Park & Recreation Manager
Douglas County Forestry Department
9182 East Hughes Avenue, PO Box 211
Solon Springs, WI 54873

Mr. Meyer:

Thank you for the opportunity to provide professional services for the Olson Meadow Dam Removal Project.

Project Overview

We understand that Olson Meadow Dam has structural issues with the existing corrugated metal pipe. The structure has reached its end of life and requires removal. WESLIE Engineering Group has developed the following work plan to comply with the WDNR regulations regarding dam removal, prepare construction documents, and prepare a competitive bid package for contractor bidding.

Work Plan

Task 1	Wetland Delineation Complete a wetland delineation of dam removal area. Create wetland delineation report and obtain concurrence from WDNR.	\$4,500
Task 2	Preliminary Design Create preliminary design drawings in coordination with the Douglas County Forestry Department. This preliminary design drawings will be used in the application for approval to remove the dam.	\$4,600
Task 3	Floodplain Modeling Update existing Hec-RAS modeling to reflect dam replacement or to reflect dam removal and construction of a new culvert to maintain the trail crossing. Either scenario will require floodplain modeling.	\$3,700
Task 4	WDNR Wetland Permitting Submit for a wetland impact permit. The permit is expected to be a General Permit submitted as a joint WDNR and Army Corps permit. Permit will be submitted jointly with the dam removal permit.	\$3,000

Clint Meyer
February 23, 2024
Page 2

Task 5	WDNR Dam Removal or Reconstruction Permit Develop report and analysis necessary for permitting with WDNR. Submit to WDNR a permit request to remove or to reconstruct Olson Meadow Dam.	\$3,900
Task 6	WDNR Ch30 Permit for Culvert Installation Develop a Ch30 General Permit application for installation of a new culvert on a navigable stream.	\$2,500
Task 7	Final Design and Plan Production Develop final construction plans and details necessary for contractors to complete bids.	\$4,600
Task 8	Bid Package Complete competitive bid package. Package includes contract language (front end specifications) and technical specifications with plan sheets and details. Attend prebid meeting and bid opening and perform bid evaluation.	\$4,500
Task 9	Onsite Project Representations Perform project representation for construction. (This assumes 40hrs/wk for a PE inspector for 2 weeks of critical inspection and 25hrs/wk for 2 weeks of part time critical inspection.)	\$15,000
Task 10	As-Built Topo and Drawings Complete an As-Built topographic survey and PE stamped As-Built drawings. Submit drawings to WDNR.	\$5,400

Deliverables

For this project, Long Island Engineering LLC and Weyandt Engineering Services LLC (WESLIE Engineering Group) will provide the following:

- Preliminary design plans for WDNR permitting
- WDNR permit for dam removal or reconstruction
- WDNR permit for new culvert installation on navigable stream (Ch30)
- Final design plans and plan production
- Wetland Delineation and Permitting
- Competitive Bid Package
- As-built survey and stamped as-built plans

Schedule

We are available to provide these services promptly to submit permits in 2024 for a 2025 construction season.

Fee Estimate

We propose to complete **Tasks 1 through 10** in the scope of work for a time and materials estimated fee of **\$51,700**.

Clint Meyer
February 23, 2024
Page 3

If during the course of work, any issues that arise that are beyond the scope of this proposal, Long Island Engineering LLC will discuss the potential effects of this on the project and provide an estimated fee prior to moving forward with any additional work. The following rates apply to staff that may work on this project. These rates are good for the 2024 calendar year.

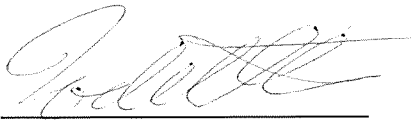
- Senior Engineer \$155/hr
- Admin Support \$60/hr

This letter and contract represents the entire understanding between Douglas County Forestry Department and Long Island Engineering LLC for the above described project (**Olson Meadow Dam Removal**) and may only be modified in writing signed by both parties. If this satisfactorily sets forth your understanding of our agreement, please sign in the space provided below and return to us.

I look forward to discussing this project with you further. If you have any questions, please contact me at **715-209-4747** or via email at **longislandengineeringllc@outlook.com**.

Sincerely,

Long Island Engineering, LLC



Todd Gibbon, PE CFM

Accepted by:

Clint Meyer
Park and Recreation Supervisor

Date



Ritola Inc
 61426 Storck Rd
 Mason, WI 54856
 Phone: (715)-278-0324
 Email: estimating@ritolainc.com

Proposal

24-0

Date: 3/1/24

<p><u>Proposal submitted to:</u> ATTN: Todd Gibbon</p>	<p><u>Project:</u> Douglas County Olson Meadow Dam</p>
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We hereby submit Specifications and a Proposal for:

Removal and replacement of existing structure and piping

The following items to be included:

Culvert Removal

Item	Unit	Est. Quantity	Unit Price	Total
FINISH ROADWAY	EACH	2	\$ 3,450.00	\$ 6,900.00
MOBILIZATION	EACH	1	\$ 11,500.00	\$ 11,500.00
SALVAGED TOPSOIL	SY	200	\$ 11.50	\$ 2,300.00
SILT FENCE	LF	150	\$ 8.05	\$ 1,207.50
EROSION MAT URBAN CLASS I TYPE A	SY	200	\$ 3.45	\$ 690.00
SEEDING MIXTURE NO. 70 (@0.4LB/1,000SF)	LB	1	\$ 11.50	\$ 11.50
SEEDING NURSE CROP (@1LB/1,000SF)	LB	1	\$ 11.50	\$ 11.50
REMOVE EX. 48" CMP AND 60" RISER STRUCTURE	LS	1	\$ 3,450.00	\$ 3,450.00
WATER MANAGEMENT	LS	1	\$ 11,500.00	\$ 11,500.00
			TOTAL	\$ 37,570.50

Culvert Replacement

Item	Unit	Est. Quantity	Unit Price	Total
SELECT BORROW	CY	30	\$ 57.50	\$ 1,725.00
APRON ENDWALLS FOR CULVERT PIPE 60-Inch	EACH	2	\$ 4,025.00	\$ 8,050.00
RIP RAP LIGHT	CY	30	\$ 172.50	\$ 5,175.00
SEEDING MIXTURE NO. 70 (@0.4LB/1,000SF)	LB	1	\$ 11.50	\$ 11.50
SEEDING NURSE CROP (@1LB/1,000SF)	LB	1	\$ 11.50	\$ 11.50
STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-Inch	LF	70	\$ 345.00	\$ 24,150.00
			Total	\$ 39,330.00

Terms: LATE CHARGE on balances past due (30 days) a fixed amount of 1.5% per month on unpaid balance for annual percentage rate of 18%.

We hereby propose to furnish materials and labor in accordance with the above specifications for the sum of:

\$ 76,900.50 seventy six thousand nine hundred and 50/100 Dollars

All work to be completed as specified and in a workmanlike manner according to standard practices. Any alteration or deviation from the above specifications involving extra cost will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Ritola Inc. has General Liability Insurance and our workers are covered by Workman's Compensation Insurance.

Proposal submitted by:

Authorized
Signature _____



This proposal may be withdrawn by us if not accepted within 30 days

Acceptance of Proposal The above price(s), specifications and conditions are satisfactory and are hereby accepted. You are authorizing us to do the work. Warranty as stated in terms and conditions. Payment will be made as outlined above.

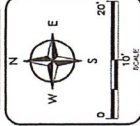
Signature of acceptance _____ Date: _____



LONG ISLAND ENGINEERING LLC
 201 Maple Ridge - Ashland WI 54806
 715-209-1717
 longislandengineeringllc.com

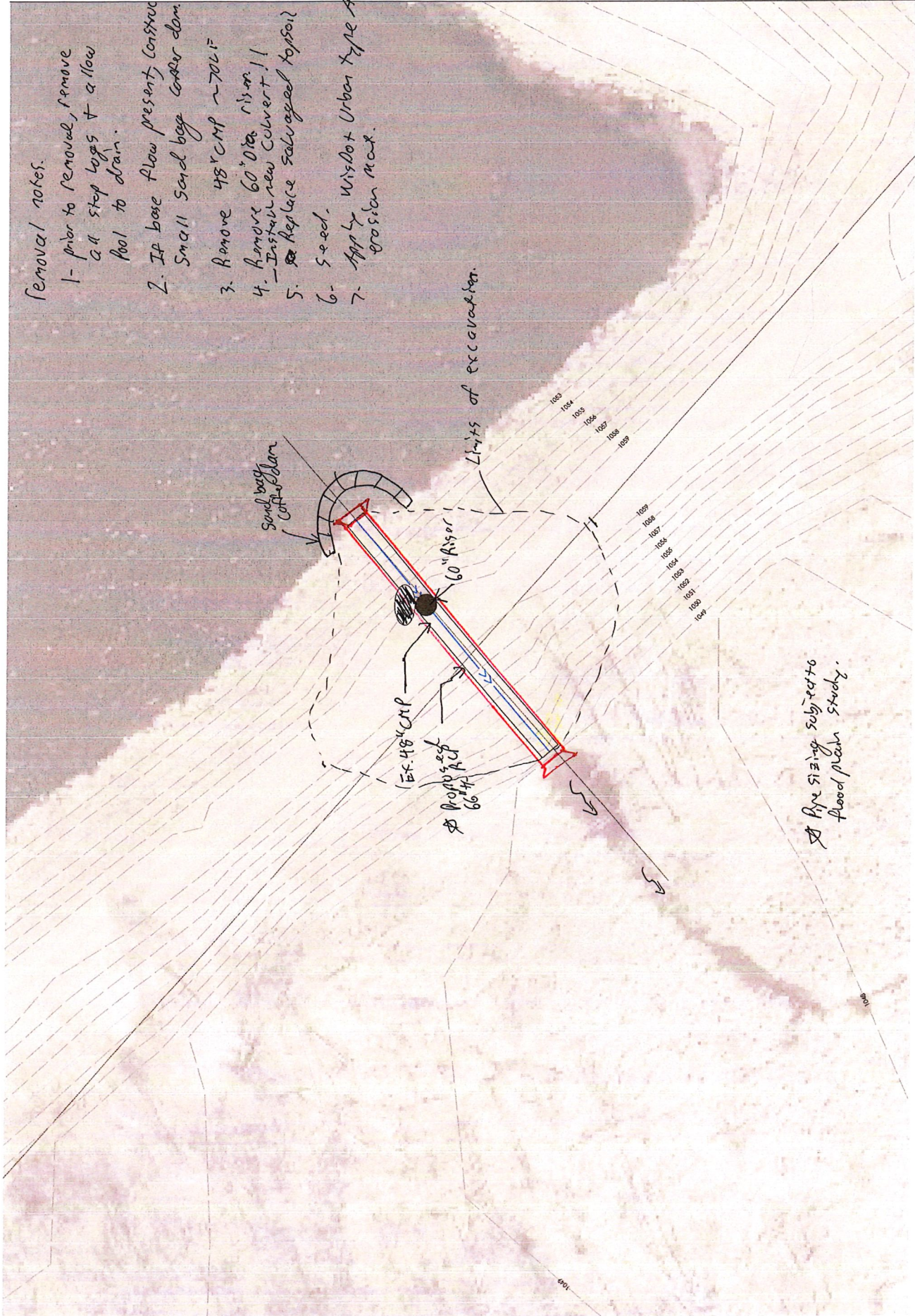
PLAN VIEW
 OLSON MEADOW REMOVAL
 Douglas County Forestry Dept.
 Gordon
 Douglas County, Wisconsin

DATE	BY	NO.	REVISIONS
3-15-2018			
3-15-2018			
3-15-2018			
3-15-2018			
3-15-2018			
3-15-2018			
3-15-2018			



1
 SHEET NO.
 PROJECT NO.
 DRAWING TITLE

- Removal notes.
- 1- prior to removal, remove all stop logs + a flow pool to drain.
 - 2- If base flow present, construct small sand bag center dam.
 - 3- Remove 48" CMP ~ 70L.F.
 - 4- Remove 60" Dia riser.!!
- Install new Culvert!!
 - 5- ~~Replace~~ Salvage soil to soil.
 - 6- Seed.
 - 7- Apply WisDot Urban type A erosion mat.

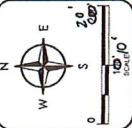




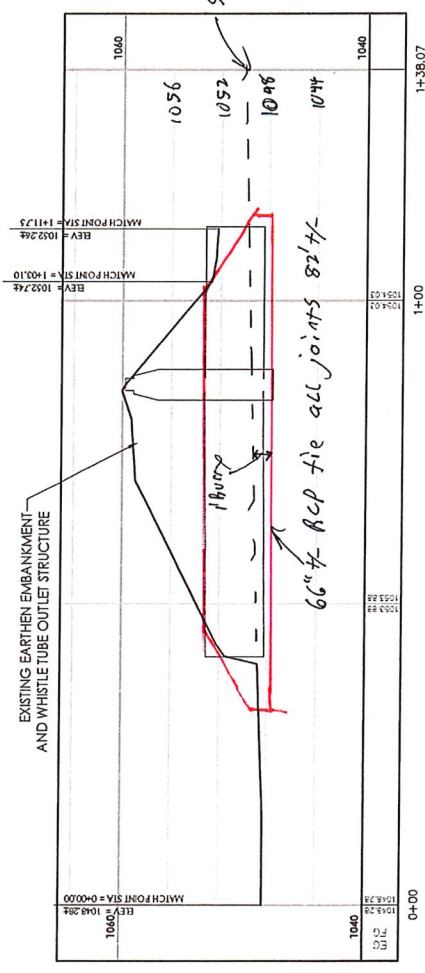
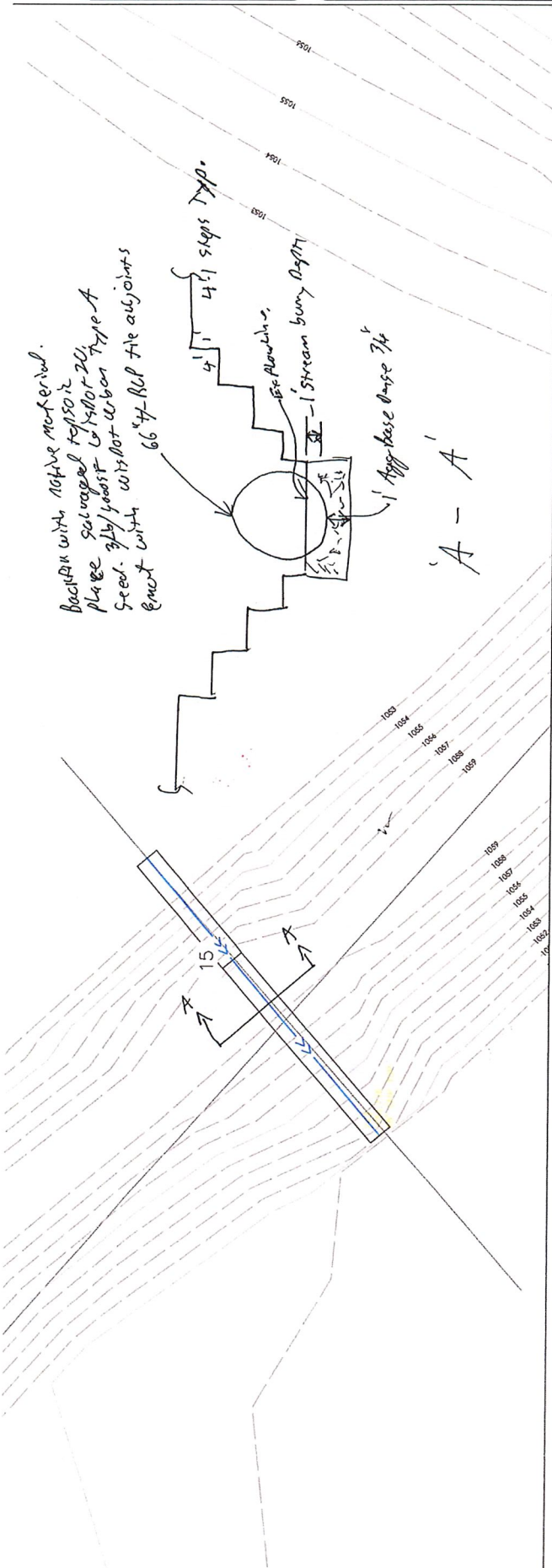
LONG ISLAND ENGINEERING LLC
 201 Maple Ridge - Madison, WI 53705
 715-220-4177
 longislandengr@gmail.com

PROFILE VIEW
 OLSON MEADOW DFA
 Douglas County Forestry Dept.
 Gordon
 Douglas County, Wisconsin

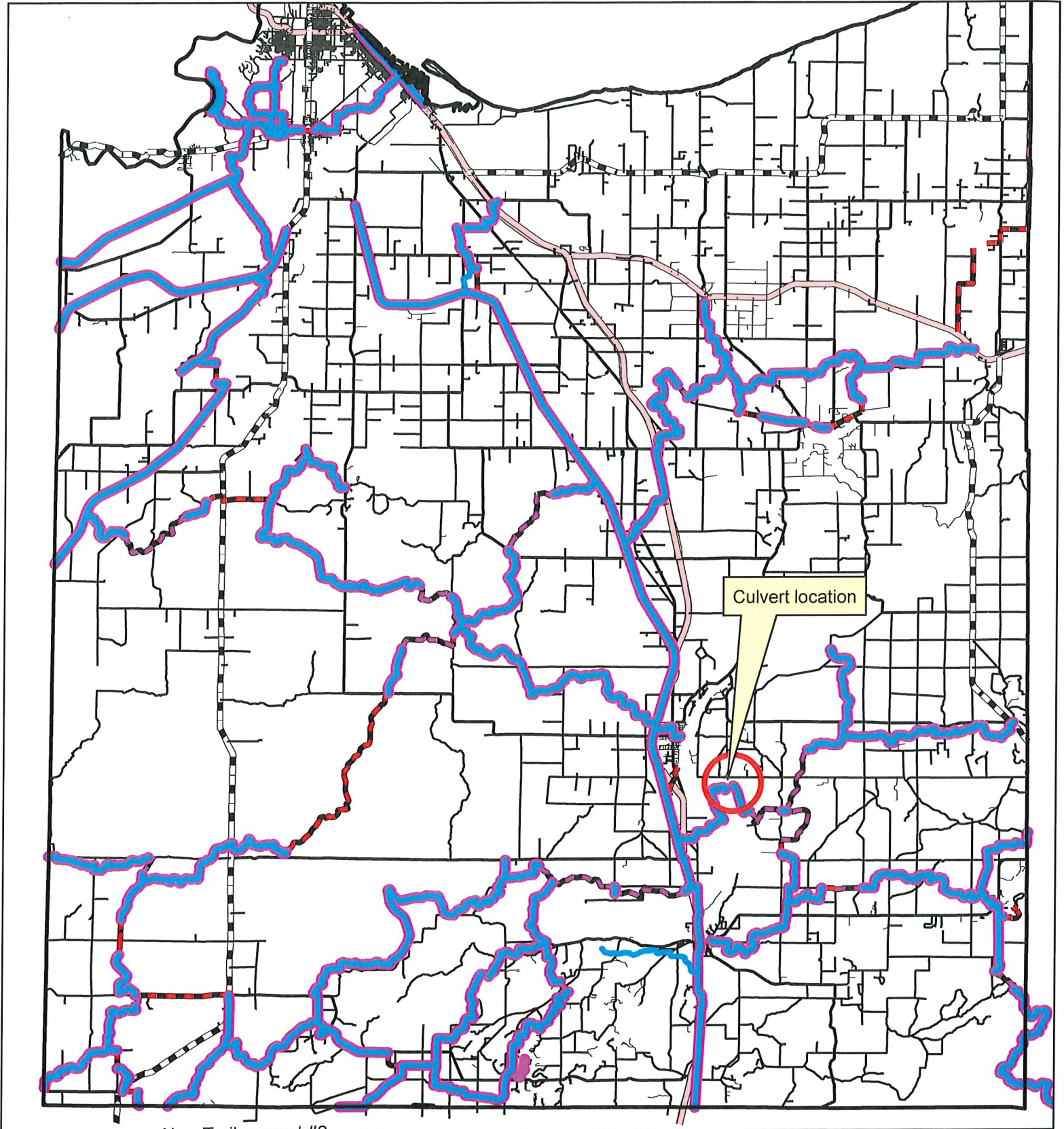
DATE	BY	NO.	REVISIONS
3-15-2016			
3-15-2016			
3-15-2016			
3-15-2016			
3-15-2016			



PROJECT: _____
 SHEET NO: **2**



2024-2025 Douglas County Snow and WATV/UTV Culvert Replacement 41N-11W-6



Legend

 Snowmobile Funded Trails

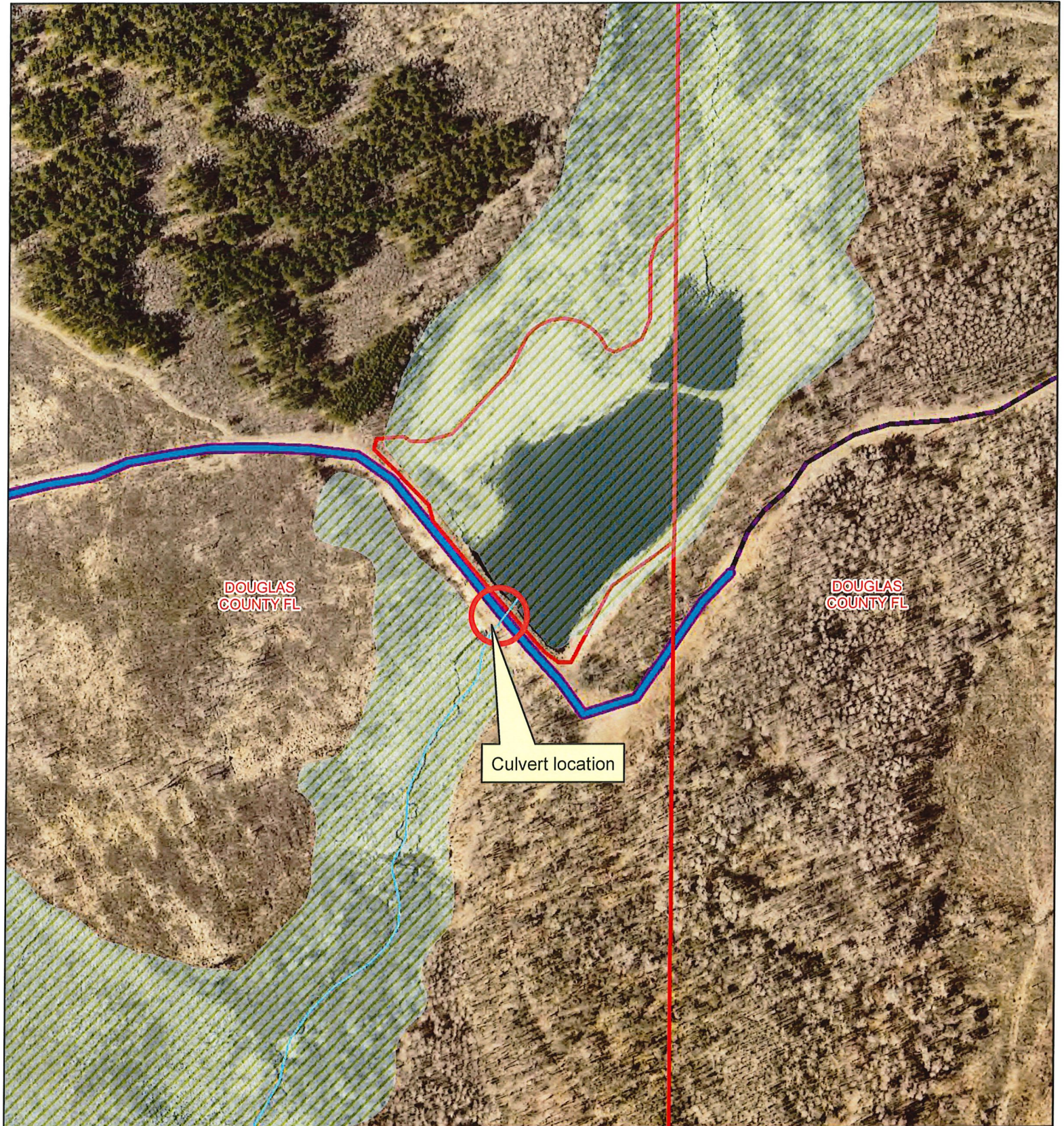
 Winter ATV Funded Trails



0 1 2 4 6 8 Miles

Map Created by: Clint Meyer

2024-2025 Douglas County Snow and WATV/UTV Culvert Replacement 41N-11W-6




Legend

 Snowmobile Funded Trails

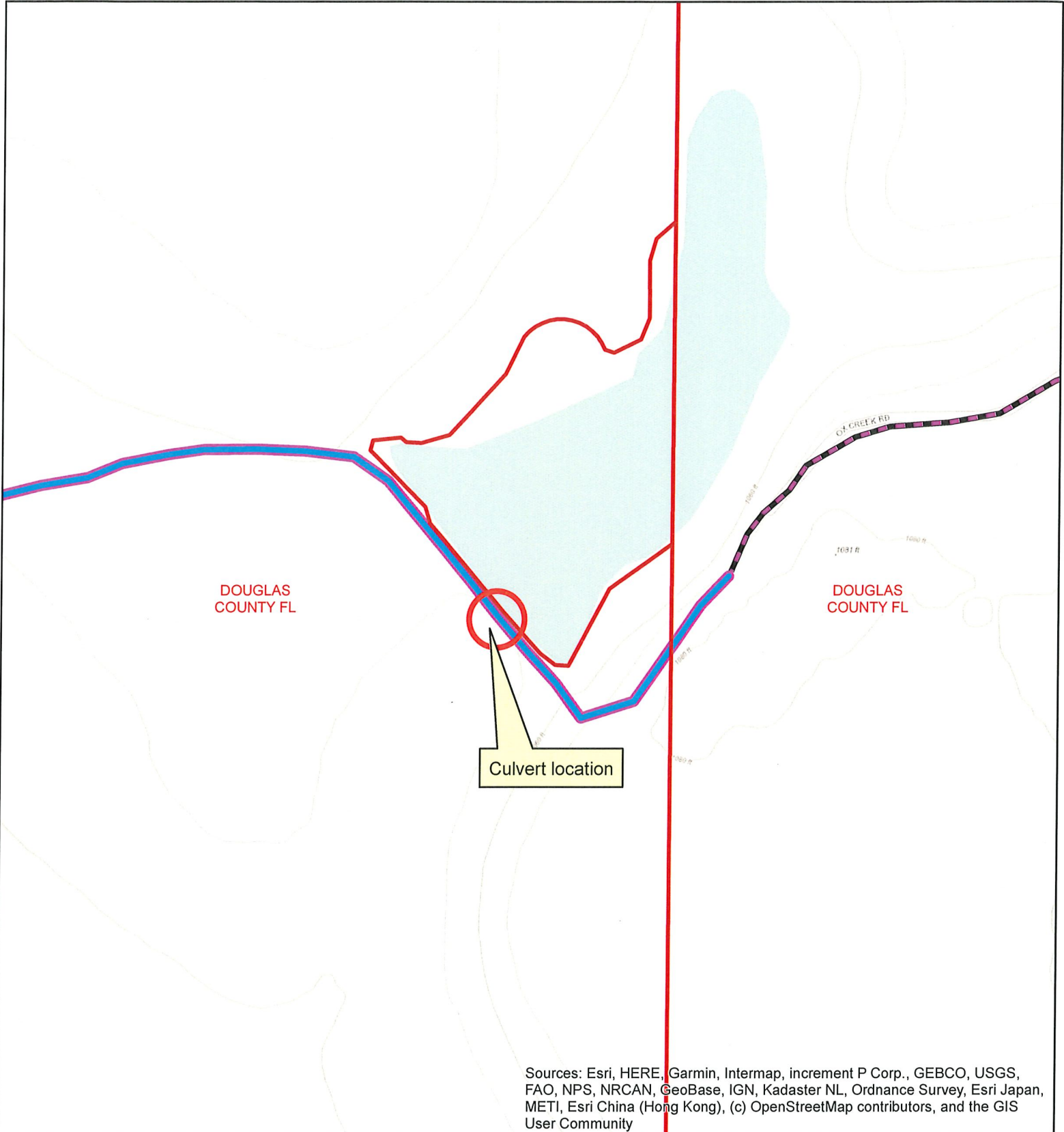
 Winter ATV Funded Trails



0 0.00 0.02 0.04 0.06 0.08
 Miles

Map Created by: Clint Meyer

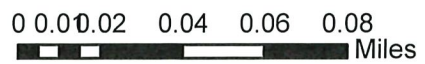
2024-2025 Douglas County Snow and WATV/UTV Culvert Replacement 41N-11W-6



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Legend

- Snowmobile Funded Trails
- Winter ATV Funded Trails



Map Created by: Clint Meyer





