

Dane County Conditional Use Permit Application

Application Date	C.U.P Number
03/18/2026	DCPCUP-2026-02700
Public Hearing Date	
05/05/2026	

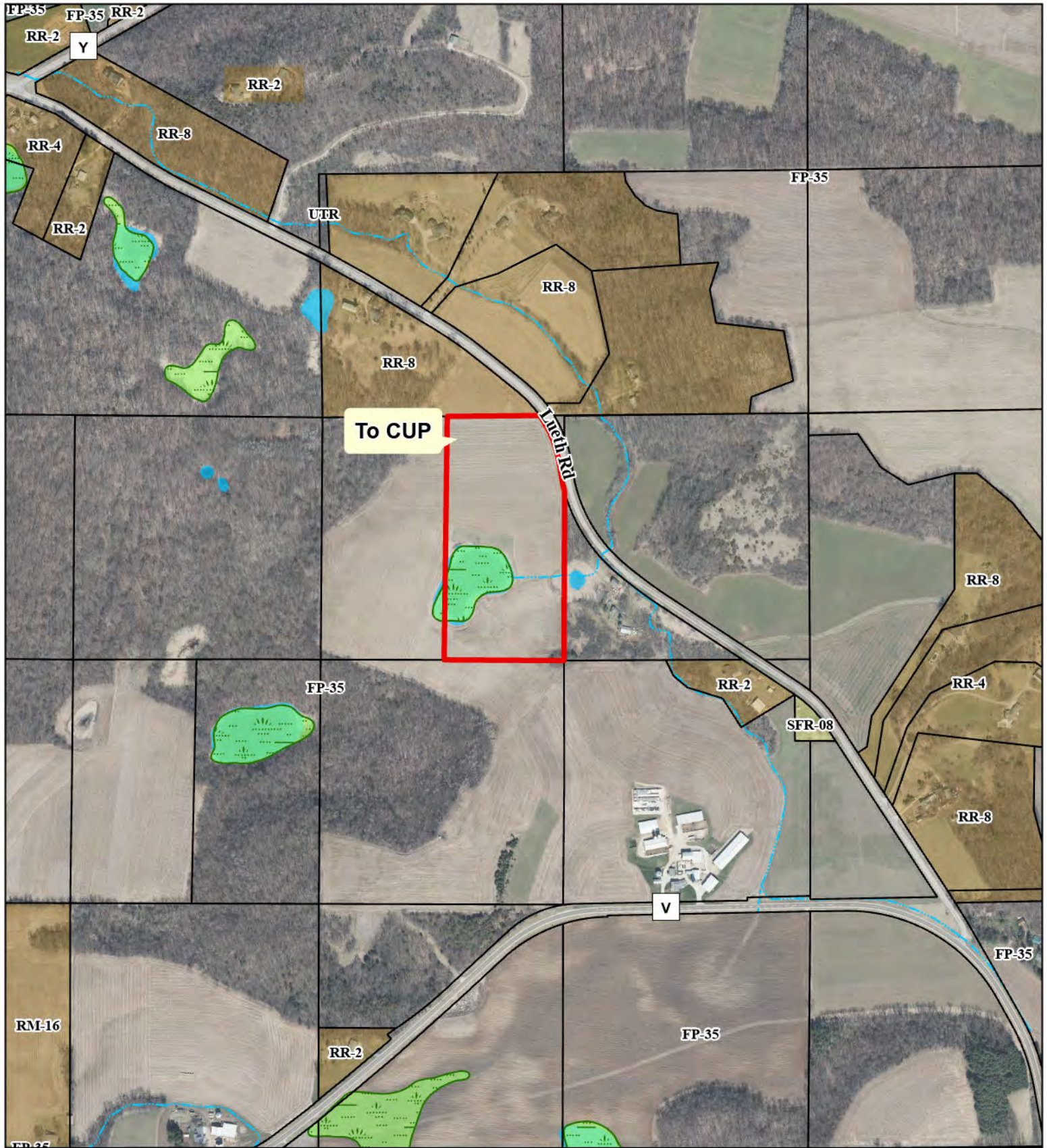
OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME ALLAN G & LORA S BREUNIG REV LIVING TR	Phone with Area Code (608) 370-3844	AGENT NAME DEXTER AND TESSA BREUNIG	Phone with Area Code (608) 370-3844
BILLING ADDRESS (Number, Street) 8080 COUNTY HIGHWAY V		ADDRESS (Number, Street) LUETH ROAD	
(City, State, Zip) SAUK CITY, WI 53583		(City, State, Zip)	
E-MAIL ADDRESS		E-MAIL ADDRESS	

ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP		ADDRESS OR LOCATION OF CUP	
North of 8099 Lueth Rd					
TOWNSHIP ROXBURY	SECTION 13	TOWNSHIP	SECTION	TOWNSHIP	SECTION
PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED		PARCEL NUMBERS INVOLVED	
0907-133-8500-7		---		---	

CUP DESCRIPTION
Farm residence

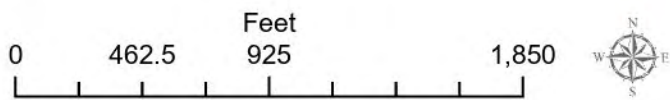
DANE COUNTY CODE OF ORDINANCE SECTION	ACRES
10.222(3)	40

DEED RESTRICTION REQUIRED? <input type="checkbox"/> Yes <input type="checkbox"/> No Applicant Initials _____	Inspectors Initials RUH1	SIGNATURE:(Owner or Agent) _____
		PRINT NAME: _____
		DATE: _____



CUP 2700
ALLAN G & LORA S BREUNIG REV
LIVING TR

- Proposed Zoning Boundary
- Tax Parcel Boundary
- Wetland Class Areas





Dane County
Department of Planning and Development
 Zoning Division
 Room 116, City-County Building
 210 Martin Luther King Jr. Blvd.
 Madison, Wisconsin 53703
 (608) 266-4266

Application Fees	
General:	\$495
Mineral Extraction:	\$1145
Communication Tower:	\$1145 (+\$3000 RF eng review fee)
PERMIT FEES DOUBLE FOR VIOLATIONS OR WHEN WORK HAS STARTED PRIOR TO ISSUANCE OF PERMIT	

CONDITIONAL USE PERMIT APPLICATION

APPLICANT INFORMATION

Property Owner Name:	Agent Name:
Address (Number & Street):	Address (Number & Street):
Address (City, State, Zip):	Address (City, State, Zip):
Email Address:	Email Address:
Phone#:	Phone#:

SITE INFORMATION

Township:	Parcel Number(s):	
Section:	Property Address or Location:	
Existing Zoning:	Proposed Zoning:	CUP Code Section(s):

DESCRIPTION OF PROPOSED CONDITIONAL USE

Type of conditional use permit (for example: limited family business, animal boarding, mineral extraction, or any other listed conditional use):	Is this application being submitted to correct a violation? Yes <input type="checkbox"/> No <input type="checkbox"/>
Provide a short but detailed description of the proposed conditional use:	

GENERAL APPLICATION REQUIREMENTS

Applications will not be accepted until the applicant has met with department staff to review the application and determined that all necessary information has been provided. Only complete applications will be accepted. All information from the checklist below must be included. Note that additional application submittal requirements apply for particular uses or as may be required by the Zoning Administrator. Applicants for significant and/or potentially controversial conditional uses are strongly encouraged to meet with staff prior to submittal.

<input type="checkbox"/> Complete attached information sheet for standards	<input type="checkbox"/> Site Plan drawn to scale	<input type="checkbox"/> Detailed operational plan	<input type="checkbox"/> Written legal description of boundaries	<input type="checkbox"/> Detailed written statement of intent	<input type="checkbox"/> Application fee (non-refundable), payable to Dane County Treasurer
--	---	--	--	---	--

I certify by my signature that all information presented herein is true and correct to the best of my knowledge. I hereby give permission for staff of the Dane County Department of Planning and Development to enter my property for the purpose of collecting information to be used as part of the review of this application. I acknowledge that submittal of false or incorrect information may be grounds for denial of this application.

Owner/Agent Signature: _____

Date: _____

STANDARDS FOR CONDITIONAL USE PERMITS

Applicants must provide adequate evidence demonstrating to the Town and Dane County Zoning & Land Regulation Committee that the proposed conditional use satisfies the following 8 standards for approval, along with any additional standards specific to the applicable zoning district or particular use found in sections [10.220\(1\)](#) and [10.103](#) of the code.

Please explain how the proposed land use will meet the following standards (attach additional pages, if necessary):

<p>1. The establishment maintenance or operation of the conditional use will not be detrimental to or endanger the public health, safety, comfort or general welfare.</p>
<p>2. The uses, values, and enjoyment of other property in the neighborhood for purposes already permitted shall be in no foreseeable manner substantially impaired or diminished by establishment, maintenance or operation of the conditional use.</p>
<p>3. The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.</p>
<p>4. Adequate utilities, access roads, drainage and other necessary site improvements have been or are being made to accommodate the conditional use.</p>
<p>5. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.</p>
<p>6. That the conditional use shall conform to all applicable regulations of the district in which it is located.</p>
<p>7. The conditional use is consistent with the adopted town and county comprehensive plans.</p>
<p>8. If the conditional use is located in a Farmland Preservation (FP) Zoning district, the conditional use is subject to the following additional standards found in section 10.220(1). Attach additional pages, if necessary.</p> <ul style="list-style-type: none">• Explain how the use and its location in the Farmland Preservation Zoning District are consistent with the purposes of the district: • Explain how the use and its location in the Farmland Preservation Zoning district are reasonable and appropriate, considering alternative locations: • Explain how the use is reasonably designed to minimize the conversion of land from agricultural use or open space use: • Explain how the use does not substantially impair or limit the current or future agricultural use of surrounding parcels zoned for agricultural use: • Explain how construction damage to land remaining in agricultural use is minimized and repaired, to the extent feasible:

WRITTEN STATEMENT OF INTENT AND OPERATIONS PLAN

Applicants must provide a detailed written statement of intent describing the proposed conditional use along with an operational plan that explains how the conditional use will be operated. Please use the form below and provide responses, as applicable, to your proposed conditional use. Attach additional pages, if necessary.

Describe in detail the proposed conditional use. Provide the specific location of the use(s), type of equipment used, planned property improvements, including description / size of existing or proposed new buildings to be used, and any other relevant information. For existing or proposed commercial operations, provide the name of the business and describe the nature and type of business activity.
List the proposed days and hours of operation.
List the number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
List any anticipated noise, odors, dust, soot, runoff or pollution associated with the conditional use, along with any proposed measures that will be taken to mitigate impacts to neighboring properties.
Describe any materials proposed to be stored outside and any activities, processing or other operations taking place outside an enclosed building.
For proposals involving construction of new facilities and/or infrastructure, describe, as applicable, any measures being taken to ensure compliance with county stormwater and erosion control standards under Chapter 11 of Chapter 14 , Dane County Code.
List and describe existing or proposed sanitary facilities, including adequate private onsite wastewater treatment systems, associated with the proposed conditional use. For uses involving domestic pets or livestock, list and describe measures taken to address manure storage or management.
List and describe any existing or proposed facilities for managing and removal of trash, solid waste and recyclable materials.
Describe anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
Provide a listing of any hazardous, toxic or explosive materials to be stored on site, and any spill containment, safety or pollution prevention measures.
Describe any existing or proposed outdoor lighting along with any measures that will be taken to mitigate light-pollution impacts to neighboring properties. The Zoning Administrator may require submittal of a photometric plan for outdoor lighting if deemed necessary to determine potential impacts to neighbors.
Describe any existing or proposed signage, including size, location, and materials, consistent with the county's sign ordinance found in s. 10.800 .
Briefly describe the current use(s) of the property on which the conditional use is proposed.
Briefly describe the current uses of surrounding properties in the neighborhood.

APPLICATION CHECKLIST FOR A CONDITIONAL USE PERMIT

A scaled site plan and detailed operations plan must be submitted with your Conditional Use Permit application. Please use the checklist below to ensure you are submitting all required information applicable to your request. Please attach to your application form the required maps and plans listed below, along with any additional pages.

SCALED SITE PLAN. Show sufficient detail on 11" x 17" paper. Include the following information, as applicable:

- Scale and north arrow.
- Date the site plan was created.
- Existing subject property lot lines and dimensions.
- Existing and proposed wastewater treatment systems and wells.
- All buildings and all outdoor use and/or storage areas, existing and proposed, including provisions for water and sewer.
- All dimension and required setbacks, side yards and rear yards.
- Location and width of all existing and proposed driveway entrances onto public and private roadways, and of all interior roads or driveways.
- Location and dimensions of any existing utilities, easements or rights-of-way.
- Parking lot layout in compliance with s. [10.102\(8\)](#).
- Proposed loading/unloading areas.
- Zoning district boundaries in the immediate area. All districts on the property and on all neighboring properties must be clearly labeled.
- All relevant natural features, including navigable and non-navigable waters, floodplain boundaries, delineated wetland areas, natural drainage patterns, archeological features, and slopes over 12% grade.
- Location and type of proposed screening, landscaping, berms or buffer areas if adjacent to a residential area.
- Any lighting, signs, refuse dumpsters, and possible future expansion areas.

NEIGHBORHOOD CHARACTERISTICS. Describe existing land uses on the subject and surrounding properties:

- Provide a brief written statement describing the current use(s) of the property on which the conditional use is proposed.
- Provide a brief written statement documenting the current uses of surrounding properties in the neighborhood.

OPERATIONS PLAN AND NARRATIVE. Describe in detail the following characteristics of the operation, as applicable:

- Hours of operation.
- Number of employees, including both full-time equivalents and maximum number of personnel to be on the premises at any time.
- Anticipated noise, odors, dust, soot, runoff or pollution and measures taken to mitigate impacts to neighboring properties.
- Descriptions of any materials stored outside and any activities, processing or other operations taking place outside an enclosed building.
- Compliance with county stormwater and erosion control standards under [Chapter 11](#) of [Chapter 14](#), Dane County Code.
- Sanitary facilities, including adequate private onsite wastewater treatment systems and any manure storage or management plans approved by the Madison and Dane County Public Health Agency and/or the Dane County Land and Water Resources Department.
- Facilities for managing and removal of trash, solid waste and recyclable materials.
- Anticipated daily traffic, types and weights of vehicles, and any provisions, intersection or road improvements or other measures proposed to accommodate increased traffic.
- A listing of hazardous, toxic or explosive materials stored on site, and any spill containment, safety or pollution prevention measures taken.
- Outdoor lighting and measures taken to mitigate light-pollution impacts to neighboring properties.
- Signage, consistent with section [10.800](#).

ADDITIONAL MATERIALS. Additional information is required for certain conditional uses listed in s. [10.103](#):

- Agricultural entertainment, special events, or outdoor assembly activities anticipating over 200 attendees must file an [event plan](#).
- [Domestic pet](#) or [large animal boarding](#) must provide additional information in site and operations plans.
- Communication towers must submit additional information as required in s. [10.103\(9\)](#).
- Farm residences proposed in the FP-35 district must submit additional information as required in s. [10.103\(11\)](#).
- Mineral extraction proposals must submit additional information as required in s. [10.103\(15\)](#).

Farm residences. (a) Application. Applicants must provide, in a form acceptable to the zoning administrator, the following information:

1. Written description of the farm operation. The description should include the following details:

a. Location of the farm.

The farm is located on Lueth Road in the Town of Roxbury, Dane County, Wisconsin. The property is the section in the NW 1/4 of the SW 1/4 of Section 13, T09N, R07E.

b. Size of the farm operation in acres.

Home farm: 27.5 acres

Additional rented acreage: 224 acres off of Shauer RD and Babbington RD in Sauk City.

Total acreage: 251.5 acres

c. Crops grown and/or livestock raised.

Corn, beans, grass/alfalfa. Longhorns and beef cows.

d. Number of employees, if any, in addition to farm family members.

0 employees in addition to family members.

e. Summary of farm income derived from the farm operation.

See 22-24 Schedule F Forms attachment.

2. Completed Internal Revenue Service form "Schedule F – Profit or Loss from Farming," or subsequent IRS form for reporting farm profit or loss, for the past 3 tax years.

See 22-24 Schedule F Forms attachment.

3. Farm conservation plan obtained from the Land Conservation Division of the Dane County Land & Water Resources Department, detailing the types/location of crops grown, and any on-farm conservation measures (e.g., grass drainage swales, buffer strips, etc.).

See Farm Field Details attachment.

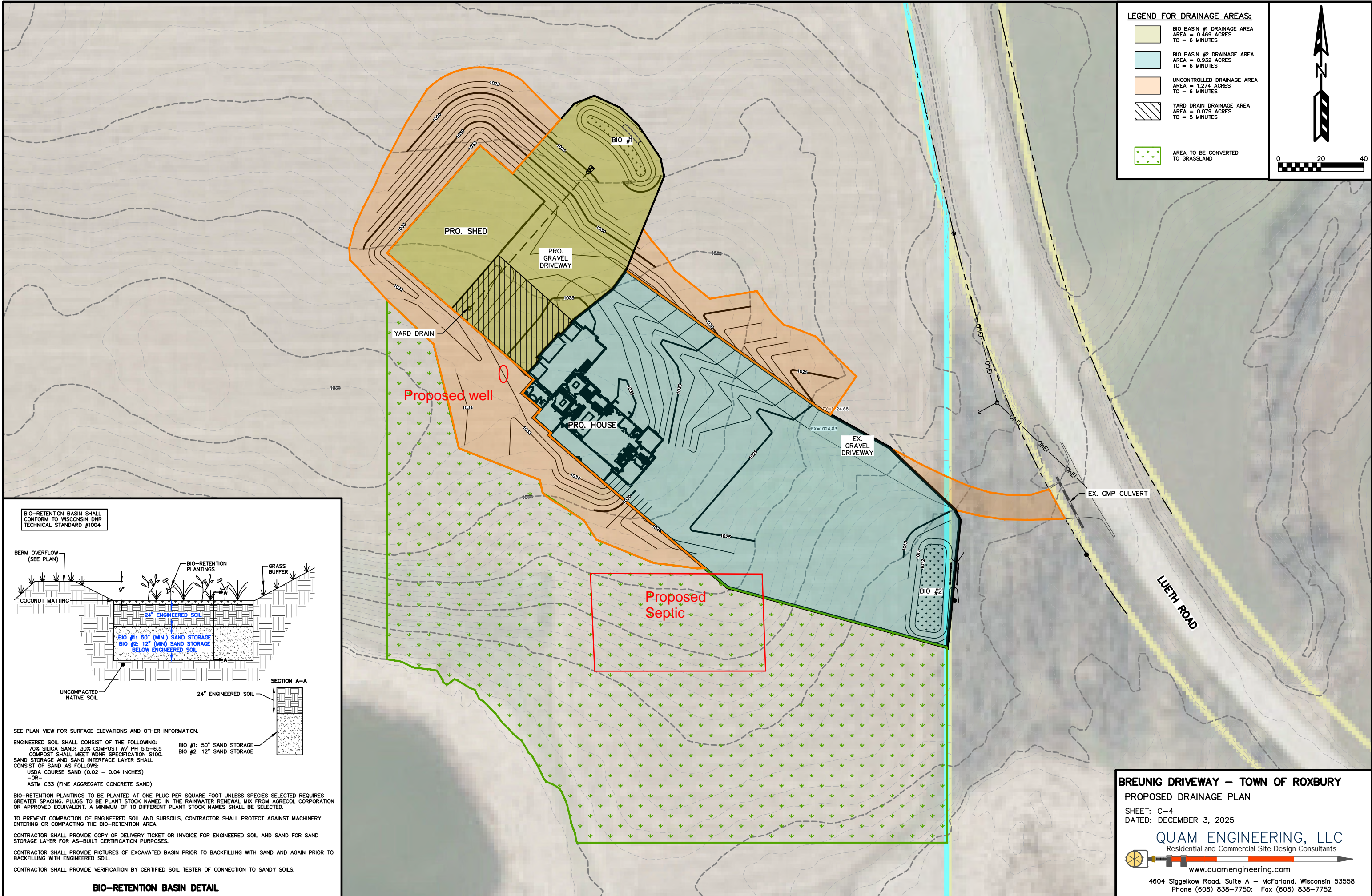
**Dane County Zoning Ordinance (Ch. 10, Dane County Code) AS AMENDED BY THE
DANE COUNTY BOARD OF SUPERVISORS APRIL 10, 2025 10.103(12) Special
Requirements for Particular Uses 101**

4. Map/site plan with aerial photograph showing the farm ownership boundaries. The map should clearly identify the location of the proposed new Farm Residence and driveway access.

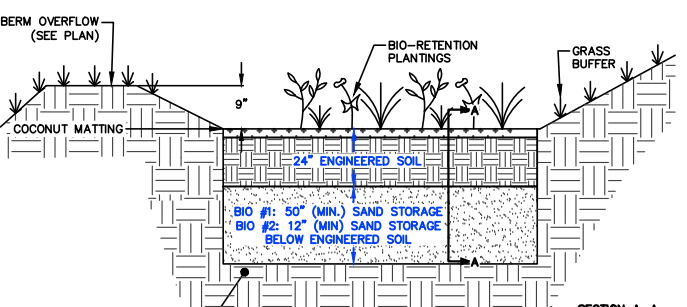
Reference Quam Engineering map/site plan in the *Shoreland Erosion Control and Stormwater Management Report* attachment and the *Aerial Map of Farm Boundaries, Residence & Driveway* attachment.

LEGEND FOR DRAINAGE AREAS:

- BIO BASIN #1 DRAINAGE AREA
AREA = 0.469 ACRES
TC = 6 MINUTES
- BIO BASIN #2 DRAINAGE AREA
AREA = 0.932 ACRES
TC = 6 MINUTES
- UNCONTROLLED DRAINAGE AREA
AREA = 1.274 ACRES
TC = 6 MINUTES
- YARD DRAIN DRAINAGE AREA
AREA = 0.079 ACRES
TC = 5 MINUTES
- AREA TO BE CONVERTED TO GRASSLAND



BIO-RETENTION BASIN SHALL CONFORM TO WISCONSIN DNR TECHNICAL STANDARD #1004



SEE PLAN VIEW FOR SURFACE ELEVATIONS AND OTHER INFORMATION.

ENGINEERED SOIL SHALL CONSIST OF THE FOLLOWING:
 70% SILICA SAND; 30% COMPOST W/ PH 5.5-6.5
 COMPOST SHALL MEET MOWR SPECIFICATION S100.
 SAND STORAGE AND SAND INTERFACE LAYER SHALL CONSIST OF SAND AS FOLLOWS:
 -OR-
 USDA COURSE SAND (0.02 - 0.04 INCHES)
 -OR-
 ASTM C33 (FINE AGGREGATE CONCRETE SAND)

BIO #1: 50" SAND STORAGE
 BIO #2: 12" SAND STORAGE

BIO-RETENTION PLANTINGS TO BE PLANTED AT ONE PLUG PER SQUARE FOOT UNLESS SPECIES SELECTED REQUIRES GREATER SPACING. PLUGS TO BE PLANT STOCK NAMED IN THE RAINWATER RENEWAL MIX FROM AGRECOL CORPORATION OR APPROVED EQUIVALENT. A MINIMUM OF 10 DIFFERENT PLANT STOCK NAMES SHALL BE SELECTED.

TO PREVENT COMPACTION OF ENGINEERED SOIL AND SUBSOILS, CONTRACTOR SHALL PROTECT AGAINST MACHINERY ENTERING OR COMPACTING THE BIO-RETENTION AREA.

CONTRACTOR SHALL PROVIDE COPY OF DELIVERY TICKET OR INVOICE FOR ENGINEERED SOIL AND SAND FOR SAND STORAGE LAYER FOR AS-BUILT CERTIFICATION PURPOSES.

CONTRACTOR SHALL PROVIDE PICTURES OF EXCAVATED BASIN PRIOR TO BACKFILLING WITH SAND AND AGAIN PRIOR TO BACKFILLING WITH ENGINEERED SOIL.

CONTRACTOR SHALL PROVIDE VERIFICATION BY CERTIFIED SOIL TESTER OF CONNECTION TO SANDY SOILS.

BIO-RETENTION BASIN DETAIL

BREUNIG DRIVEWAY - TOWN OF ROXBURY
PROPOSED DRAINAGE PLAN
 SHEET: C-4
 DATED: DECEMBER 3, 2025

QUAM ENGINEERING, LLC
 Residential and Commercial Site Design Consultants

www.quamengineering.com
 4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558
 Phone (608) 838-7750; Fax (608) 838-7752



WALTER J
DICKEY

1000ft



DUANE C
KITZEROW

BREUNIG
REV
LIVING TR,
ALLAN G
& LORAS



ft



Dane County Planning and Development Department

Zoning Division

Room 116, City-County Building, Madison, Wisconsin 53703

Phone (608) 266-4266

Fax (608) 267-1540

www.danecountyplanning.com/

August 29, 2025

BREUNIG REV LIVING TR, ALLAN G & LORA S
8080 COUNTY HIGHWAY V
SAUK CITY WI 53583

RE: Review of Shoreland Zoning Permit: Farm building and future residence

Parcel: 0907-133-8500-7

Shoreland Permit Number: DCPSHL-2025-00081

Thank you for submitting your application for a Shoreland Zoning Permit to permit an agricultural farm building, future residence, and access driveway as shown on your site plan. After reviewing the submitted plan, I have determined that the intensity of development will require a shoreland erosion control permit. This permit is approved and issued by Dane County Land and Water Resources.

This determination was based on a lot area of 786,162 square feet within 300 feet of an unnamed pond. The proposed development will result in approximately 17,400 square feet of new impervious surfaces for a post development impervious surface ratio of 2.2% within the shoreland zone.

Any land disturbing activity within 300 feet of a navigable pond requires a shoreland erosion control permit.

Prior to issuance of a zoning permit for the **proposed agricultural development** the following conditions must be satisfied:

1. Obtain a shoreland erosion control permit from Dane County Land and Water Resources.
2. Remit shoreland zoning permit fee payment of \$150.00 to Dane County Zoning.

Once these requirements are satisfied your shoreland zoning permit will be issued and you may proceed to obtain a general zoning permit for the agricultural farm building.

The development is within the FP-35 Farmland Preservation district. This district does not allow residential uses by right. Prior to issuance of a zoning permit for the proposed **residential development** the following conditions must be satisfied:

1. Obtain a conditional use permit for a Farm Residence (subject to DCCO 10.103(13)) or rezone the property, or portion thereof, to a zoning district that allows for residential use. Please note that future land subdivision, which may be required to rezone land to a district allowing residential use, may affect this determination, as each lot is reviewed for compliance with shoreland zoning independently.
2. Obtain a shoreland erosion control permit from Dane County Land and Water Resources.
3. Remit shoreland zoning permit fee payment of \$150.00 to Dane County Zoning.

Once these requirements are satisfied your shoreland zoning permit will be issued and you may proceed to obtain a general zoning permit for the proposed residence.

Please feel free to contact me directly with any questions or further information.

Best regards,

Hans Hilbert
Assistant Zoning Administrator

CC: Dane County Land and Water Resources Department

**SHORELAND EROSION CONTROL AND
STORMWATER MANAGEMENT REPORT**

**BREUNIG DRIVEWAY
TOWN OF ROXBURY, DANE COUNTY**

December 5, 2025



PREPARED FOR:

Dexter Breunig
8080 County Road V
Sauk City, WI 53583

Mark Fendry
12/5/2025

PREPARED BY:

Quam Engineering, LLC
4604 Siggelkow Road, Suite A
McFarland, WI 53558

DB-22-25

TABLE OF CONTENTS

Introduction.....	1
Standard	2
Sedimentation And Erosion Control Measures.....	3
Stormwater Management Measures.....	4
Cost Estimate	5
Results.....	6
Conclusions.....	7
Dane County Erosion Control Application Checklist.....	8
Dane County Erosion Control Application Checklist Comments.....	9
Dane County Stormwater Management Application Checklist	11
Dane County Stormwater Management Application Checklist Comments.....	12

EXHIBITS

1. Location Map
2. Existing Site Plan (Sheet C-1)
3. Grading and Erosion Control Plan (Sheet C-2)
4. Existing Drainage Plan (Sheet C-3)
5. Proposed Drainage Plan (Sheet C-4)
6. Universal Soil Loss Equation (USLE) Worksheets
7. Rational Method Worksheet
8. Riprap Sizing Worksheet
9. Channel Velocity Worksheet
10. Erosion Mat Design Sheet

APPENDICES

- A. Pre-Development HydroCAD Calculations
- B. Post-Development HydroCAD Calculations
- C. Sediment Control and Infiltration Calculations
- D. Soil Information
- E. Maintenance Agreement

INTRODUCTION

The proposed development is located on Lueth Road in the Town of Roxbury, Dane County, Wisconsin. The property is the section in the NW ¼ of the SW ¼ of Section 13, T09N, R07E, as shown on the Location Map included as Exhibit #1. The existing site consists of an agricultural field with a natural pond, as shown on Exhibit #2. The proposed project includes the construction of a driveway, single-family home, and agricultural building, as shown on Exhibit #3. Two bio-retentions and the conversion of some of the agricultural land to prairie grass are proposed to address stormwater management standards for the development.

The proposed project includes land disturbing activity exceeding 4,000 square feet within 1,000 feet of a stream or wetland and includes a cumulative addition of more than 20,000 square feet of impervious surfaces. Therefore, according to Chapter 14 of the Dane County Ordinance, the site requires shoreland erosion control and stormwater management permits.

The project also includes land disturbing activity greater than one acre. Therefore, according to NR 216 the site requires a Department of Natural Resources Notice of Intent permit.

The intent of this report is to provide details on how the stormwater will be collected and managed so that it leaves the proposed project site in accordance with applicable erosion control and stormwater standards.

STANDARD

The stormwater management system for the proposed site will meet the following development performance standards as defined in the Wisconsin Administrative Code NR 151 and Chapter 14 of the Dane County Ordinance:

Erosion Control

The proposed construction shall include erosion control measures to prevent gully and bank erosion and limit total off-site erosion to less than 5.0 tons per acre per year.

Sediment Control

The proposed construction shall include design practices to retain soil particles greater than five microns (80% reduction) on the entire site resulting from the one-year 24-hour storm event.

Oil and Grease Control

The first ½” runoff from commercial or industrial developments shall be treated using oil and grease removal technology.

Runoff Rate Control

All storm water facilities shall be designed, installed and maintained to effectively maintain pre-development peak runoff rates for the 1, 2, 10, 100, and 200 year, 24-hour storm event. The Dane County rainfall values for all storm events are as follows:

Storm Event (Year)	Rainfall Depth (inches)
1	2.49
2	2.84
10	4.09
100	6.66
200	7.53

Outlets

Discharges from the development must have a stable outlet capable of carrying designed flow at a non-erosive velocity.

Infiltration

For residential and non-residential development, design practices to infiltrate sufficient runoff volume so that post-development infiltration volume shall be at least 90 percent of the pre-development infiltration volume, based on average annual rainfall. When designing appropriate infiltration systems, if more than two percent (2%) of the site is required to be used as effective infiltration area, an alternative design to meet or exceed the estimated average annual recharge rate of 7.6 inches/year may be used.

Thermal Control

The stormwater management plan shall include provisions and practices to reduce the temperature of runoff for sites located within the watershed of a river or stream identified by the Wisconsin DNR as a cold water community.

SEDIMENTATION AND EROSION CONTROL MEASURES

Exhibit #3 contains the Grading and Erosion Control Plan. During construction, all sedimentation and erosion control items will be maintained for maximum effectiveness. Sediment trapped by the silt fence or sock will be removed when it reaches a depth of approximately one-half foot.

All pervious disturbed areas will be restored with a minimum of four inches of topsoil, seed, and mulch. Restoration will occur as soon after the disturbance as practical. The bio-retention basin will be restored per the bio-retention basin detail. Seed Mixture 40 will be used on all other pervious disturbed areas. All seed mixtures will be in accordance with Section 630 of D.O.T. Specifications. An equal amount of annual ryegrass will be added to the mix.

All pervious disturbed areas will receive fertilizer except native planting areas. Fertilizer will meet the following minimum requirements: Nitrogen, not less than 16%; Phosphoric Acid, not less than 8%; Potash, not less than 8%. Fertilizer will be applied at the rate of four (4) pounds per 1,000 square feet. The total seed mixtures will be applied at the rate of four (4) pounds per 1,000 square feet. Mulch will consist of straw or hay, applied at a rate of two (2) tons per acre.

Seeding from September 16th through November 15th will be avoided to prevent freezing of new growth. Dormant seeding, if necessary, will be completed after November 15th. Disturbed areas will have erosion matting applied over dormant seeding. Dormant seeding will not be applied on top of snow. If dormant seeding does not result in at least 70% cover by May 15th, additional seeding may be required.

All disturbed areas will be temporarily stabilized within 14 days of last activity. All disturbed areas will be stabilized within 7 days of final grading. Perimeter control will be installed around stockpiles, and stockpiles will be stabilized that will remain inactive for 7 days or longer.

All runoff during construction will be directed to flow through erosion control measures as shown on the Grading and Erosion Control Plan. Exhibit #6 contains the Universal Soil Loss Equation calculation worksheets.

STORMWATER MANAGEMENT MEASURES

Exhibit #3 is the Grading and Erosion Control Plan. The plan shows the stormwater management measures required to meet the standards listed on Page 2 of this report. The standards will be met as follows:

Sediment Control

The proposed bio-retention basins are designed to retain soil particles greater than five microns (80% reduction) on the entire site resulting from the one-year 24-hour storm event.

The sediment control calculations are included in Appendix C.

Oil and Grease Control

Oil and grease control is not required on site because the site is not a significant contributor of oil and grease.

Runoff Rate Control

The bio-retention basins and conversion of agricultural land to prairie grass will effectively maintain pre-development peak runoff rates for the 1, 2, 10, 100, and 200 year, 24-hour storm event. The stormwater modeling calculations are included in Appendices A and B of this report. A summary of the results is on page 6.

Outlets

The restored lawn area, bio-retention basins, and riprap pads will provide a stable outlet for the site.

Infiltration

The bio-retention basins will provide 90 percent pre-development infiltration.

The infiltration calculations are included as Appendix C of this report.

Thermal Control

This site is not located within the watershed of a river or stream identified by the Wisconsin DNR as a cold-water community.

COST ESTIMATE

The following table summarizes the estimated cost of completion and installation of all elements of erosion control and stormwater management for the proposed development.

Item No.	Description	Estimated Quantity	Unit	Unit Price	Amount
1.	Silt Fence or Sock	696	LF	\$2.00	\$1,392.00
2.	Straw Wattle Ditch Check	7	EA	\$40.00	\$280.00
3.	Medium Riprap w/ Fabric	1	CY	\$25.00	\$25.00
4.	WisDOT Class I, Type B, Erosion Mat	3,150	SY	\$1.50	\$4,725.00
5.	Bio-Retention Basin w/ 6" underdrain	1,100	SF	\$15.00	\$16,500.00
6.	6" HDPE Storm Sewer	125	LF	\$10.00	\$1,250.00
7.	2' Dia Outlet Structure w/ grate	1	EA	\$1,000.00	\$1,000.00
8.	Conversion of agriculture to prairie grass	8,075	SY	\$0.50	\$4,037.50
9.	Restoration (seed and mulch)	8,070	SY	\$0.50	\$4,035.00
Total					\$33,244.50

RESULTS

The following tables summarize the existing and proposed runoff curve numbers used in the rate runoff models and show how the proposed stormwater management practices meet standards for peak flow rates, sediment control, infiltration, and surface drawdown time.

Runoff Curve Numbers Table				
Runoff Curve Number	Hydrologic Soil Group			
	A	B	C	D
Woodland	30	55	70	77
Grassland	39	61	71	78
Cropland	51	68	78	83
Restored Lawn	39	61	74	80
Pond/Infiltration Area	100			
Impervious	98			

Peak Flow Rate Summary Table			
Storm Event (Year)	Total Existing Flow Rate (cfs)	Total Proposed Flow Rate Without bio basins and converted area (cfs)	Total Proposed Flow Rate With bio basins and converted area (cfs)
1	3.49	4.68	2.93
2	4.73	6.00	4.73
10	9.73	11.22	9.66
100	21.28	23.10	20.93
200	25.35	27.26	24.97

Sediment Control Summary Table	
Post Construction Sediment Load Generated	261.9 lbs
Calculated Sediment Reduction Goal (80%)	209.5 lbs
Sediment Load Removed	212.6 lbs

Infiltration Summary Table	
Pre-Development Infiltration Volume	360,174 cf
Calculated Volume Goal (90%)	324,157 cf
Post-Development Infiltration Volume	362,173 cf

CONCLUSIONS

Exhibit #6 contains the Universal Soil Loss Equation calculation worksheets. The worksheets indicate soil loss during development of the site will be controlled such that it does not exceed 5.0 tons per acre per year. Therefore, the erosion control measures for the proposed development meet Dane County and DNR standards. In addition, sediment control, oil and grease control, rate runoff control, stable outlet, and infiltration standards are satisfied.

Erosion Control Application Checklist

Project Name: Breunig Driveway

Applications must include the following materials. The erosion control plan must be designed to meet all standards and requirements presented on the following page.

Plan Materials	Specific Location of Information
1. Narrative describing proposed development	See Page 1
2. Site plan with scale that includes: property lines, limits of disturbance, land cover limits (existing and proposed), natural and artificial water features, 100-yr floodplain, delineated wetland boundaries, location of all erosion control practices	Exhibit #3
3. Construction details of erosion control practices	Exhibit #3
4. Contours (existing and proposed) Note: Grading within 5' of the property line requires department approval	Exhibits #2 & #3
5. Site watershed map (including runoff draining to site)	Exhibits #4 & #5
6. Culvert sizes (existing and proposed)	Exhibit #3
7. Cross sections and profiles of conveyance features (existing and proposed)	Exhibit #3
8. Direction of runoff flow from impervious surfaces	Exhibit #5
9. Design calculations of conveyance features (velocity and capacity)	Exhibits #7 - #10, App B
10. Universal soil loss (USLE) calculations (corresponding to construction schedule)	Exhibit #6
11. Site stabilization materials and methods	Exhibit #3
Permit Application Materials	—
12. Detailed construction schedule	Exhibit #3
13. Copies of completed applications or approved permits from other regulatory bodies	See Page 10
14. Itemized cost estimate of erosion control plan implementation (Financial security instrument required if over \$10,000)	See Page 5

DANE COUNTY EROSION CONTROL APPLICATION CHECKLIST COMMENTS

The following comments supplement the Dane County Erosion Control Application Checklist on page 8. Each comment heading relates to an item on the Checklist.

1. Narrative Describing Proposed Development
See the report introduction on page 1 and the construction schedule on the Grading and Erosion Control Plan, Exhibit #3.
2. Site Plan with scale
The Grading and Erosion Control Plan, Exhibit #3 shows land cover type, disturbed area limits, and the location of all proposed erosion control practices for the site.
3. Construction Details of Erosion Control Practices
The details for erosion control practices are shown on the Grading and Erosion Control Plan, Exhibit #3.
4. Contours (existing and proposed)
The existing contours are shown on the Existing Site Plan, Exhibit #2. The proposed contours are shown on the Grading and Erosion Control Plan, Exhibit #3.
5. Watershed Size for Each Drainage Area
The existing drainage area is shown on the Existing Drainage Plan, Exhibit #4. The drainage areas for the overall site and the structural measures are shown on the Proposed Drainage Plan, Exhibit #5.
6. Culvert Sizes
The existing culvert size is shown on the Grading and Erosion Control Plan, Exhibit #3.
7. Cross Sections and Profiles of Conveyance Features
Cross sections of the swales are shown on the Grading and Erosion Control Plan, Exhibit #3.
8. Direction of Flow from Impervious Surfaces
The direction of flow is shown on the Proposed Drainage Plan, Exhibit #5.
9. Design Calculations for Conveyances Features
Design calculations for structural measures are shown on the Rational Method Worksheet, Exhibit #7, RipRap Sizing Worksheet, Exhibit #8, Channel Velocity Worksheet, Exhibit #9, Erosion Mat Worksheet, Exhibit #10, and the Post-Development HydroCAD report, Appendix B.
10. Universal Soil Loss Equation (USLE) worksheet(s)
Universal Soil Loss Equation worksheets have been prepared and are included as Exhibit #6. The worksheets show that the expected soil loss is less than 5.0 tons/acre/year for each element of the Erosion Control Plan.

11. Site Stabilization Materials and Methods

All pervious disturbed areas will be restored with a minimum of four inches of topsoil, seed, and mulch. Restoration will occur as soon after the disturbance as practical. The bio-retention basin will be restored per the bio-retention basin detail. Seed Mixture 40 will be used on all other pervious disturbed areas. All seed mixtures will be in accordance with Section 630 of D.O.T. Specifications. An equal amount of annual ryegrass will be added to the mix.

All pervious disturbed areas will receive fertilizer except native planting areas. Fertilizer will meet the following minimum requirements: Nitrogen, not less than 16%; Phosphoric Acid, not less than 8%; Potash, not less than 8%. Fertilizer will be applied at the rate of four (4) pounds per 1,000 square feet. The total seed mixtures will be applied at the rate of four (4) pounds per 1,000 square feet. Mulch will consist of straw or hay, applied at a rate of two (2) tons per acre.

Seeding from September 16th through November 15th will be avoided to prevent freezing of new growth. Dormant seeding, if necessary, will be completed after November 15th. Disturbed area will have erosion matting applied over dormant seeding. Dormant seeding will not be applied on top of snow. If dormant seeding does not result in at least 70% cover by May 15th, additional seeding may be required.

All disturbed areas will be temporarily stabilized within 14 days of last activity. All disturbed areas will be stabilized within 7 days of final grading. Perimeter control will be installed around stockpiles, and stockpiles will be stabilized that will remain inactive for 7 days or longer.

12. Timetable and Construction Schedule

The construction schedule is included on the Grading and Erosion Control Plan, Exhibit #3. All erosion control measures will be installed prior to land disturbance.

13. Copy of Permits or Approvals by Other Agencies

A shoreland zoning permit will be submitted to County Zoning.
A copy of this report will be submitted to the DNR for a DNR NOI.

14. Itemized Estimated Cost for All Elements of the Erosion Control Plan

The itemized estimated cost, including labor, for installation of all elements of the erosion control plan is included on Page 5 of this report. If the estimated cost of the stormwater and erosion control measures is over \$10,000, a financial security instrument will be provided upon approval of this report.

Stormwater Management Application Checklist

Project Name: Breunig Driveway

Applications must include the following materials. The stormwater management plan must be designed to meet all standards and requirements presented on the following page.

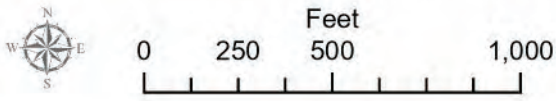
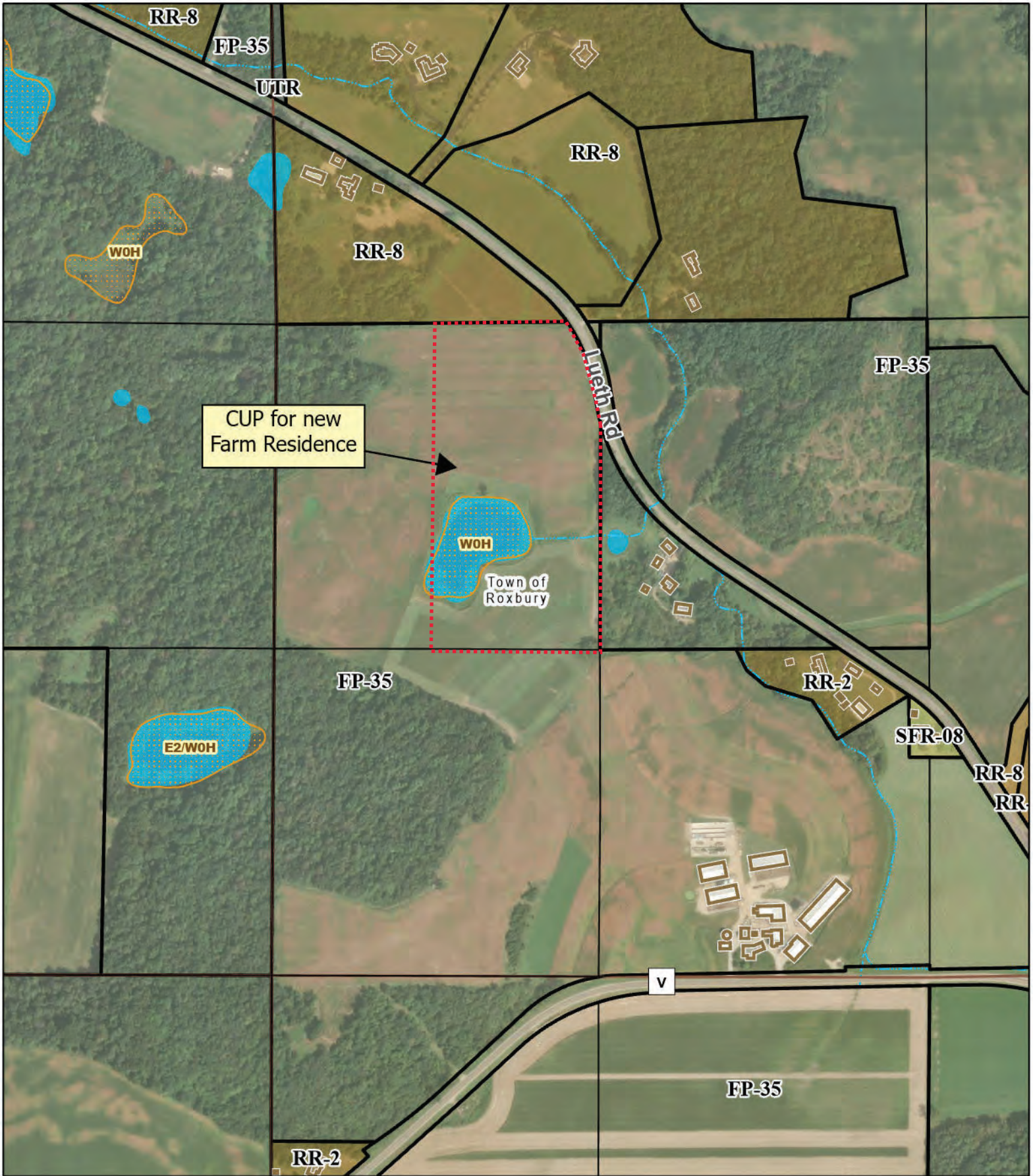
As-built certification, prepared by a professional engineer as required by Ch.14.10(5)(e) must be submitted upon completion of all permitted activity.

Plan Materials	Specific Location of Information
1. Narrative describing proposed development and how standards are being achieved (redevelopment must meet green infrastructure requirements of sec. 14.12(2)(a)a.)	See Page 1
2. Summary table of existing and proposed land cover types with respective areas	Appendices A & B
3. Summary tables of peak rate, infiltration and sediment control modeling (see table requirements on next page)	See Page 6
4. Detailed model inputs and results	Appendices A - C
5. Site watershed map with Tc flow paths (Including runoff draining to site)	Exhibit #5
6. Site plan (see detailed requirements on next page)	Exhibits #7 - #10, App B
7. Engineered designs of management practices	Exhibits #7 - #10, App B
8. Soils Information (see detailed requirements on next page)	Appendix D
Permit Application Materials	—
9. Detailed construction schedule	Exhibit #3
10. Draft maintenance agreement	Appendix E
11. Itemized cost estimate of stormwater management plan implementation (Financial security instrument required if over \$10,000)	See Page 5
12. Copies of applications or permits from other regulatory bodies	See Page 10

DANE COUNTY STORMWATER MANAGEMENT APPLICATION CHECKLIST COMMENTS

The following comments supplement the Dane County Stormwater Management Application Checklist on page 11. Each comment heading relates to an item on the Checklist.

1. Narrative Description of the Project
See the report introduction on page 1.
2. Summary Table of Existing and Proposed Land Cover Types with Respective Areas
The existing land cover summary is shown in the Pre-Development HydroCAD report, Appendix A and the proposed land cover summary is shown in the Post-Development HydroCAD Report, Appendix B
3. Summary Table of Peak Rate, Infiltration, and Sediment Control Modeling
The peak rate, infiltration, and sediment control modeling results are shown on page 6.
4. Detailed Modeling Inputs and Results
Modeling inputs and results are shown in the Pre-Development HydroCAD Results, Appendix A, the Post-Development HydroCAD Results, Appendix B, the Sediment Control Calculations, Appendix C, and Infiltration Calculations, Appendix C.
5. Site Watershed Map with Tc Flow Paths
The watershed map with Tc flow paths are shown on the Proposed Drainage Plan, Exhibit #5.
6. Site Plan
The plans and specifications are included on Exhibits #3.
7. Engineered Design for Structural Management Practices
Design calculations for structural measures are shown on the Rational Method Worksheet, Exhibit #7, RipRap Sizing Worksheet, Exhibit #8, Channel Velocity Worksheet, Exhibit #9, Erosion Mat Worksheet, Exhibit #10, and the Post-Development HydroCAD report, Appendix B.
8. Soils Information
Soils Information is included as Appendix D.
9. Detailed Construction Schedule
The construction schedule is shown on the Grading and Erosion Control Plan, Exhibit #3. All erosion control measures will be installed prior to land disturbance.
10. Draft Maintenance Agreement
The maintenance agreement for all permanent stormwater management practices is included as Appendix E.
11. Itemized Cost Estimate for Stormwater Plan Implementation
The itemized estimated cost for installation of all elements of the stormwater plan can be viewed on Page 5 of this report. If the estimated cost of the mitigation and erosion control measures is over \$10,000, financial surety will be provided upon approval of this report.
12. Copies of Permits or Approvals from Other Regulatory Bodies
A shoreland zoning permit will be submitted to County Zoning.
A copy of this report will be submitted to the DNR for a DNR NOI.



Lueth Road, Town of Roxbury

Breunig CUP Neighborhood Map

Legal Description for CUP 2700

Lands located in the eastern half of the NW 1/4 of the SW 1/4 of Section 13, T09N, R07E, all lying west of Lueth Road. Tax parcel 090713385007.