


# Dane County Rezone & Conditional Use Permit

<b>Application Date</b>	<b>Petition Number</b>
05/18/2018	DCPREZ-2018-11311
<b>Public Hearing Date</b>	<b>C.U.P. Number</b>
07/24/2018	DCPCUP-2018-02428

OWNER INFORMATION		AGENT INFORMATION	
OWNER NAME WISCONSIN POWER & LIGHT CO	PHONE (with Area Code) (608) 458-6221	AGENT NAME JEROME LUND	PHONE (with Area Code) (608) 458-6221
BILLING ADDRESS (Number & Street) 4902 N BILTMORE LN		ADDRESS (Number & Street) 4902 N BILTMORE LANE	
(City, State, Zip) MADISON, WI 53718		(City, State, Zip) Madison, WI 53718-2148	
E-MAIL ADDRESS		E-MAIL ADDRESS jeromelund@alliantenergy.com	

ADDRESS/LOCATION 1		ADDRESS/LOCATION 2		ADDRESS/LOCATION 3	
<b>ADDRESS OR LOCATION OF REZONE/CUP</b>					
west and south of 449 Lake Drive Road					
TOWNSHIP ALBION	SECTION 35	TOWNSHIP	SECTION	TOWNSHIP	SECTION
<b>PARCEL NUMBERS INVOLVED</b>		<b>PARCEL NUMBERS INVOLVED</b>		<b>PARCEL NUMBERS INVOLVED</b>	
0512-353-8110-0					

REASON FOR REZONE			CUP DESCRIPTION	
TO ALLOW THE CONSTRUCTION OF A WP&L SUBSTATION			SUBSTATION	
<b>FROM DISTRICT:</b>	<b>TO DISTRICT:</b>	<b>ACRES</b>	<b>DANE COUNTY CODE OF ORDINANCE SECTION</b>	<b>ACRES</b>
A-1Ex Exclusive Ag District	A-4 Agriculture District	9.03	10.129(3)(d)	9.03

<b>C.S.M REQUIRED?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Applicant Initials: <u>JCL</u>	<b>PLAT REQUIRED?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Applicant Initials: <u>JCL</u>	<b>DEED RESTRICTION REQUIRED?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Applicant Initials: <u>JCL</u>	<b>INSPECTOR'S INITIALS</b>  SCW1	<b>SIGNATURE:(Owner or Agent)</b> 
<b>PRINT NAME:</b> <u>JEROME C. LUND</u>				
<b>DATE:</b> <u>5/18/18</u>				

# Dane County Conditional Use Permit Application

<b>Application Date</b>	<b>C.U.P Number</b>
05/18/2018	DCPREZ-2018-11311
<b>Public Hearing Date</b>	
07/24/2018	

<b>OWNER INFORMATION</b>	<b>AGENT INFORMATION</b>
--------------------------	--------------------------


OWNER NAME WISCONSIN POWER & LIGHT CO	Phone with Area Code (608) 458-6221	AGENT NAME JEROME LUND	Phone with Area Code (608) 458-6221
BILLING ADDRESS (Number, Street) 4902 N BILTMORE LN		ADDRESS (Number, Street) 4902 N BILTMORE LANE	
(City, State, Zip) MADISON, WI 53718		(City, State, Zip) Madison, WI 53718-2148	
E-MAIL ADDRESS		E-MAIL ADDRESS jeromelund@alliantenergy.com	

<b>ADDRESS/LOCATION 1</b>	<b>ADDRESS/LOCATION 2</b>	<b>ADDRESS/LOCATION 3</b>
---------------------------	---------------------------	---------------------------

<b>ADDRESS OR LOCATION OF CUP</b>	<b>ADDRESS OR LOCATION OF CUP</b>	<b>ADDRESS OR LOCATION OF CUP</b>
west and south of 449 Lake Drive Road		
TOWNSHIP ALBION	SECTION 35	TOWNSHIP
		SECTION
<b>PARCEL NUMBERS INVOLVED</b>	<b>PARCEL NUMBERS INVOLVED</b>	<b>PARCEL NUMBERS INVOLVED</b>
0512-353-8110-0	---	---

**CUP DESCRIPTION**

<b>DANE COUNTY CODE OF ORDINANCE SECTION</b>	<b>ACRES</b>
--	--------------

<b>DEED RESTRICTION REQUIRED?</b>  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Applicant Initials <u>JCL</u>	Inspectors Initials  SCW1	<b>SIGNATURE:(Owner or Agent)</b>  <b>PRINT NAME:</b> JEROME C. LUND <b>DATE:</b> 5/18/18
---	---------------------------------	---



11311 486



DANE COUNTY PLANNING & DEVELOPMENT

Zoning Change Application

Zoning Division
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703-3342
Phone: (608) 266-4266
Fax: (608) 267-1540

Items that must be submitted with your application:

- Written Legal Description of the proposed Zoning Boundaries
Legal description of the land that is proposed to be changed. The description may be a lot in a plat, Certified Survey Map, or an exact metes and bounds description. A separate legal description is required for each zoning district proposed. The description shall include the area in acres or square feet.
Scaled Drawing of the location of the proposed Zoning Boundaries
The drawing shall include the existing and proposed zoning boundaries of the property. All existing buildings shall be shown on the drawing. The drawing shall include the area in acres or square feet.

Owner's Name Wisconsin Power and Light Company Agent's Name Jerome Lund
Address 4902 N. Biltmore Lane Address 4902 N. Biltmore Lane
Madison, WI 53718-2148 Madison, WI 53718-2148
Phone (608) 458-6221 Phone (608) 458-6221
Email jeromelund@alliantenergy.com Email jeromelund@alliantenergy.com

Town: Albion Parcel numbers affected: 002/0512-353-8110-0

Section: 35 Property address or location: 457 Lake Drive Road

Zoning District change: (To / From / # of acres) A-4 from A-1(Ex) 9.03 acres gross and 8.88 acres net ROW

Soil classifications of area (percentages) Class I soils: % Class II soils: 100 % Other: %

Narrative: (reason for change, intended land use, size of farm, time schedule)

- Separation of buildings from farmland
Creation of a residential lot
Compliance for existing structures and/or land uses
Other:

A rezoning is required to allow the construction of a Wisconsin Power and Light (WP&L) substation to serve the electrical needs of the Town of Albion, City of Edgerton and the nearby industrial park. The WP&L parcel is vacant and is also under the minimum size for a parcel in A-1(Ex) zoning. The current A-1 (Ex) zoning is to be changed to A-4 due to the site size and proposed use. The WP&L substation construction is slated for the 4th quarter of 2018. A conditional use permit is also required, and a certified survey map has been completed and application made.

I authorize that I am the owner or have permission to act on behalf of the owner of the property.

Submitted By: Jerome Lund

Digitally signed by Jerome Lund
DN: c=US, ou=Alliant Energy, ou=RW Consultant, email=jeromelund@alliantenergy.com, cn=Jerome Lund
Date: 2017.09.13.09:24:11 -0500

Date: 5/19/18

486



DANE COUNTY PLANNING & DEVELOPMENT

Conditional Use Application

Application Fee: \$486 Mineral Extraction: \$1136

Zoning Division
Room 116, City-County Building
210 Martin Luther King Jr. Blvd.
Madison, Wisconsin 53703-3342
Phone: (608) 266-4266
Fax: (608) 267-1540

Items required to be submitted with application:

- Written Legal Description of Conditional Use Permit boundaries
Scaled drawing of the property showing existing/proposed buildings, setback requirements, driveway, parking area, outside storage areas, location/type of exterior lighting, any natural features, and proposed signs.
Scaled map showing neighboring area land uses and zoning districts
Written operations plan describing the items listed below (additional items needed for mineral extraction sites)
Written statement on how the proposal meets the 6 standards of a Conditional Use

Table with 4 columns: Owner, Address, Phone, Email, Agent, Address, Phone, Email. Owner: Wisconsin Power and Light Company, Agent: Jerome Lund.

Parcel numbers affected: 002/0512-353-8110-0 Town: Albion Section: 35
Property Address: 457 Lake Drive Road

Existing/ Proposed Zoning District : A-1 (Ex) to A-4

- Type of Activity proposed: Alliant Energy electrical distribution substation to provide reliable electric capacity to surrounding areas.
Hours of Operation: 24/7
Number of employees: 0
Anticipated customers: 0 - Electrical service facility only
Outside storage: None
Outdoor activities: Occasional inspections and maintenance
Outdoor lighting: Yes, Security Lighting only \* see attachment \*
Outside loudspeakers: None
Proposed signs: Small fence mounted ID and warning signs
Trash removal: Only when needed - self removal
Six Standards of CUP (see back)

The statements provided are true and provide an accurate depiction of the proposed land use. I authorize that I am the owner or have permission to act on behalf of the owner of the property.

Submitted By: Jerome Lund

Date: 5/13/18



# Six Standards of a Conditional Use Permit

Provide an explanation on how the proposed land use will meet all six standards.

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.

The use will positively impact the public safety, comfort and general welfare by providing reliable electrical service to the Town of Albion and City Edgerton and the adjacent industrial park. The design of the substation is in accordance with industry, state, and local requirements. The substation will have an 8 foot high perimeter fence with an additional 1 foot of barbed wire.

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.

There will be no substantial impairment or diminishment of the current surrounding land uses. Essentially no additional traffic or audible noise will arise from this installation. The new substation is located in an area where electrical facilities are reaching capacity. It will provide capacity for Rock Electric Coop's request for additional capacity, the adjacent business park and near future commercial load, resulting in less electrical loss than the existing system.

3. That 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.

This use will have no adverse impact on the normal and orderly development and improvements of the surrounding properties for their permitted uses. The current permitted uses are agricultural and light industrial in nature. The new substation additional power and backup for existing facilities as well as power for the adjacent business park.

4. That adequate utilities, access roads, drainage and other necessary site improvements have been or are being made.

Adequate services including utilities, access and drainage have all been accounted for in the proposed use. A single driveway will provide access to the site from Lake Drive Road. A gated entrance near the road frontage will prevent unqualified personnel from accessing the driveway. Stormwater detention and infiltration areas will be provided in accordance with WisDNR and local ordinances.

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.

Ingress and egress has been addressed in the proposed use. A driveway permit will be applied for in the Town of Albion. Minimal vehicular traffic will access the site monthly. A single gated entrance will provide access to the site from Lake Drive Road.

6. That the conditional use shall conform to all applicable regulations of the district in which it is located.

This use meets all applicable regulations most notably those outlined in the Dane County zoning code and Wis Statutes and industry standards.

### Outdoor Lighting Schedule

One (1) dusk to dawn building mounted light with occupancy sensor to reduce light levels when the site is unoccupied

One (1) pole mounted area light, dusk to dawn controlled for security

Approximately ten (10) pedestal mounted flood lights used during maintenance and emergency operations. Normally off.



WP&L EDGERTON BUSINESS PARK ELECTRIC SUBSTATION  
OPERATIONS PLAN AND 6 STANDARDS OF A CONDITIONAL USE

Electric Substation Operations Plan

1. Type of Activity Proposed
  - a. Alliant Energy is proposing to build a distribution substation that will provide electricity to the surrounding areas.
2. Hours of operation:
  - a. 24/7
3. Number of employees
  - a. 0 when in operation
4. Anticipated customers
  - a. Northern areas of Edgerton, Rock Electric Cooperative, new northern business park
5. Outside Storage
  - a. None
6. Outdoor activities
  - a. Occasional inspections and maintenance
7. Outdoor lighting
  - a. One (1) dusk to dawn building mounted light with occupancy sensor to reduce light levels when the site is unoccupied.
  - b. One (1) pole mounted area light, dusk to dawn controlled for security.
  - c. Approximately ten (10) pedestal mounted flood lights used during maintenance and emergency operations. Normally off.
8. Outside loudspeakers
  - a. None
9. Proposed signs
  - a. Small, fence mounted identification and warning signs.
10. Trash removal
  - a. Not normally required. Alliant Energy will remove trash as needed for activities that require it.

## Six Standards of Conditional Use Plan

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.
  - a. The design of the substation is in accordance with industry standards and state and local requirements. The substation is surrounded with a perimeter fence that is eight feet in height with an additional one foot of barbed wire.
  - b. The new substation is proposed in the northern part of the City of Edgerton, where electric facilities are reaching capacity. The new substation back-up power for northern part of the city of Edgerton. The new substation will provide capacity for Rock Electric Cooperative's (REC) request for additional capacity, and it will provide capacity for the City of Edgerton to market their northern business park. The substation will be near future commercial load and result in less electrical losses than the existing system.
  
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.
  - a. The location of the substation in the vicinity of the new northern business park will allow for more reliable power with lower losses since it is located near future commercial load.
  
3. That 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.
  - a. The substation is proposed to provide additional electric power capacity to the city of Edgerton, where the existing facilities are reaching capacity. The new substation will provide additional power and back-up for existing facilities as well as power for the new northern business park.
  
4. That adequate utilities, access roads, drainage and other necessary site improvements have been or are being made.
  - a. A single driveway will provide access to the site for qualified personnel. A gate will be provided on the driveway and near the road to keep unqualified personnel from accessing the driveway. Required grading improvements, stormwater detention pond and stormwater infiltration areas will be provided in accordance with the WI DNR and local ordinances.



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.
  - a. A single driveway will be the access to the site. The site is normally not occupied so no increase in traffic is expected.
  
6. That the conditional use shall conform to all applicable regulations of the district in which it is located.
  - a. The design of the substation is in accordance with industry standards and state and local requirements.

## Parcel Number - 002/0512-353-8110-0

Current

[← Parcel Parents](#)

[Summary Report](#)

Parcel Summary		More +
Municipality Name	TOWN OF ALBION	
Parcel Description	SEC 35-5-12 W1/4 NE1/4SW1/4 EXC COM 333....	
Owner Name	WISCONSIN POWER & LIGHT CO	
Primary Address	<b>No parcel address available.</b>	
Billing Address	4902 N BILTMORE LN MADISON WI 53718	

Assessment Summary		More +
<b>Assessment Year</b>	<b>2018</b>	
Valuation Classification	X4	
Assessment Acres	9.000	
Land Value	\$0.00	
Improved Value	\$0.00	
Total Value	\$0.00	

[Show Valuation Breakout](#)

[Show Assessment Contact Information ▼](#)

### Zoning Information

For the most current and complete zoning information, contact the Division of Zoning.

#### Zoning

A-1(EX)

[Zoning District Fact Sheets](#)



**Parcel Maps**



DCiMap

**Tax Summary (2017)** More +

Assessed Land Value	Assessed Improvement Value	Total Assessed Value
\$0.00	\$0.00	\$0.00
<b>Taxes:</b>		\$0.00
<b>Lottery Credit(-):</b>		\$0.00
<b>First Dollar Credit(-):</b>		\$0.00
<b>Specials(+):</b>		\$0.00
<b>Amount:</b>		\$0.00

**District Information**

Type	State Code	Description
REGULAR SCHOOL	1568	EDGERTON SCHOOL DIST
TECHNICAL COLLEGE	0400	MADISON TECH COLLEGE
OTHER DISTRICT	01EE	EDGERTON EMS
OTHER DISTRICT	01EF	EDGERTON FIRE

Recorded Documents				
Doc. Type	Date Recorded	Doc. Number	Volume	Page
TRD	12/15/2016	5292149		

Show More ▼

## DocLink

DocLink is a feature that connects this property to recorded documents. If you'd like to use DocLink, all you need to do is select a link in this section. There is a fee that will require either a credit card or user account. Click here for instructions.

By Parcel Number: 0512-353-8110-0

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Dane County Land Information Council

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210 Martin Luther King Jr. Blvd

City-County Bldg. Room 116

Madison, WI 53703



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# Substation Acreage Estimate

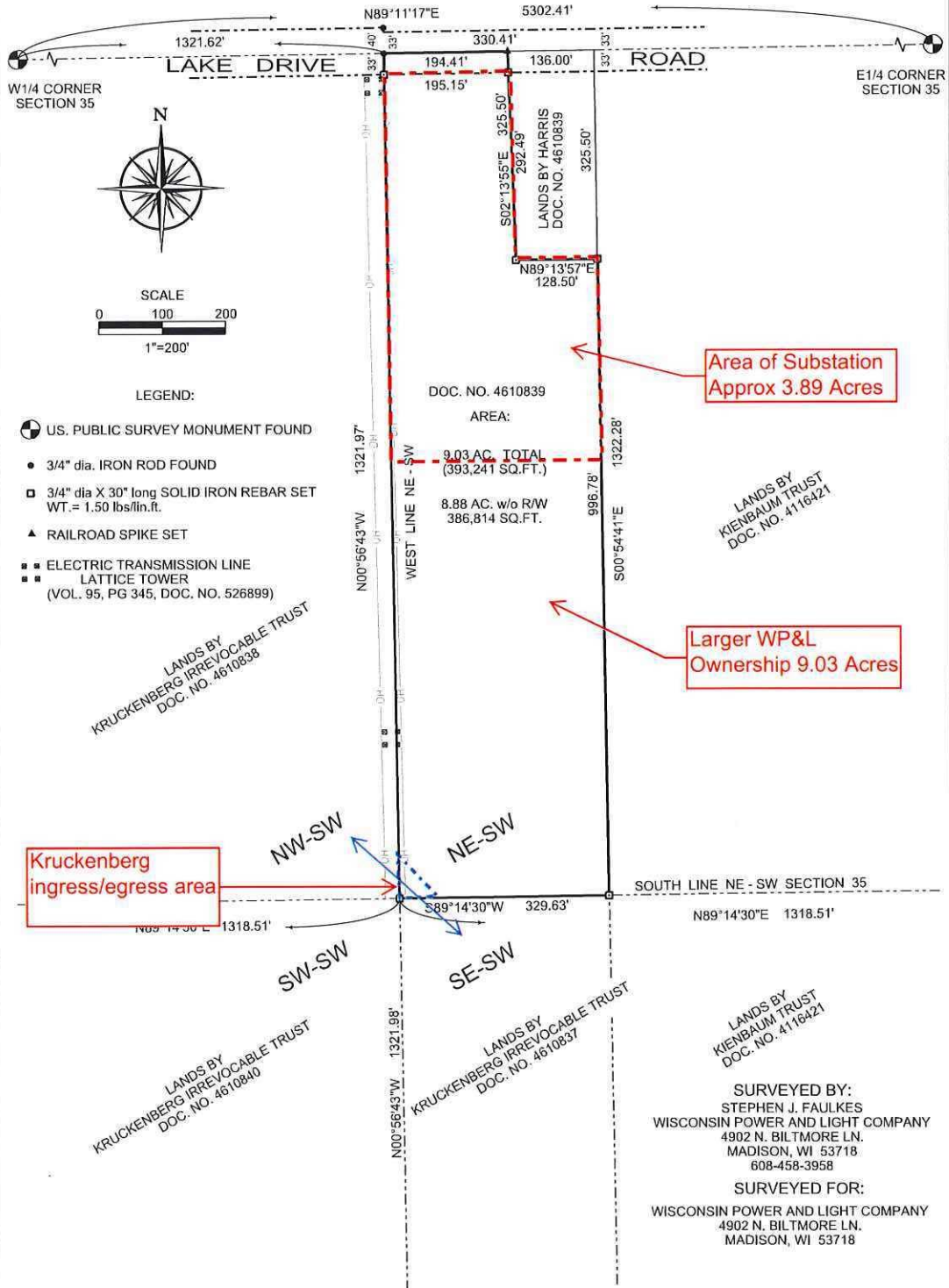
DANE COUNTY CERTIFIED SURVEY MAP NO. \_\_\_\_\_

PART OF THE W1/4 OF THE NE1/4 OF THE SW1/4 OF SECTION 35,  
TOWNSHIP 05 NORTH, RANGE 12 EAST OF THE 4th  
PRINCIPAL MERIDIAN, TOWN OF ALBION,  
DANE COUNTY, WISCONSIN.

VOLUME \_\_\_\_\_

PAGE \_\_\_\_\_

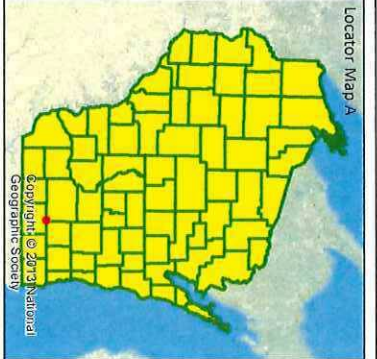
BEARINGS REFERENCED TO GRID NORTH AS BASED  
ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE, NAD 83 (2011), CGF.= 0.99994735













WI Dept of Natural Resources, U.S. Department of Agriculture, Natural Resources Conservation Service, Imagery courtesy of USGS, Earthstar Geographics, SIO © 2016, Mapbox Corporation © 2016, Mapbox, Inc. © 2016



**Project Details**

-  Project Site
-  WDNR Fluctuating Stream
-  WDNR Intermittent Stream
-  WDNR Perennial Stream
-  WDNR Wetland Indicator
-  WDNR Wetland

Main Map Projection: Wisconsin State Plane South  
 Wetland Indicators included in Report  
 Locator Maps Not to Scale

DRAWN BY: RJM  
 CHECKED BY: DJH



**MONTGOMERY ASSOCIATES:**  
 RESOURCE SOLUTIONS, LLC  
 119 South Main Street | Cottage Grove, WI 53527  
 (608) 839-4422 | www.ma-rs.org

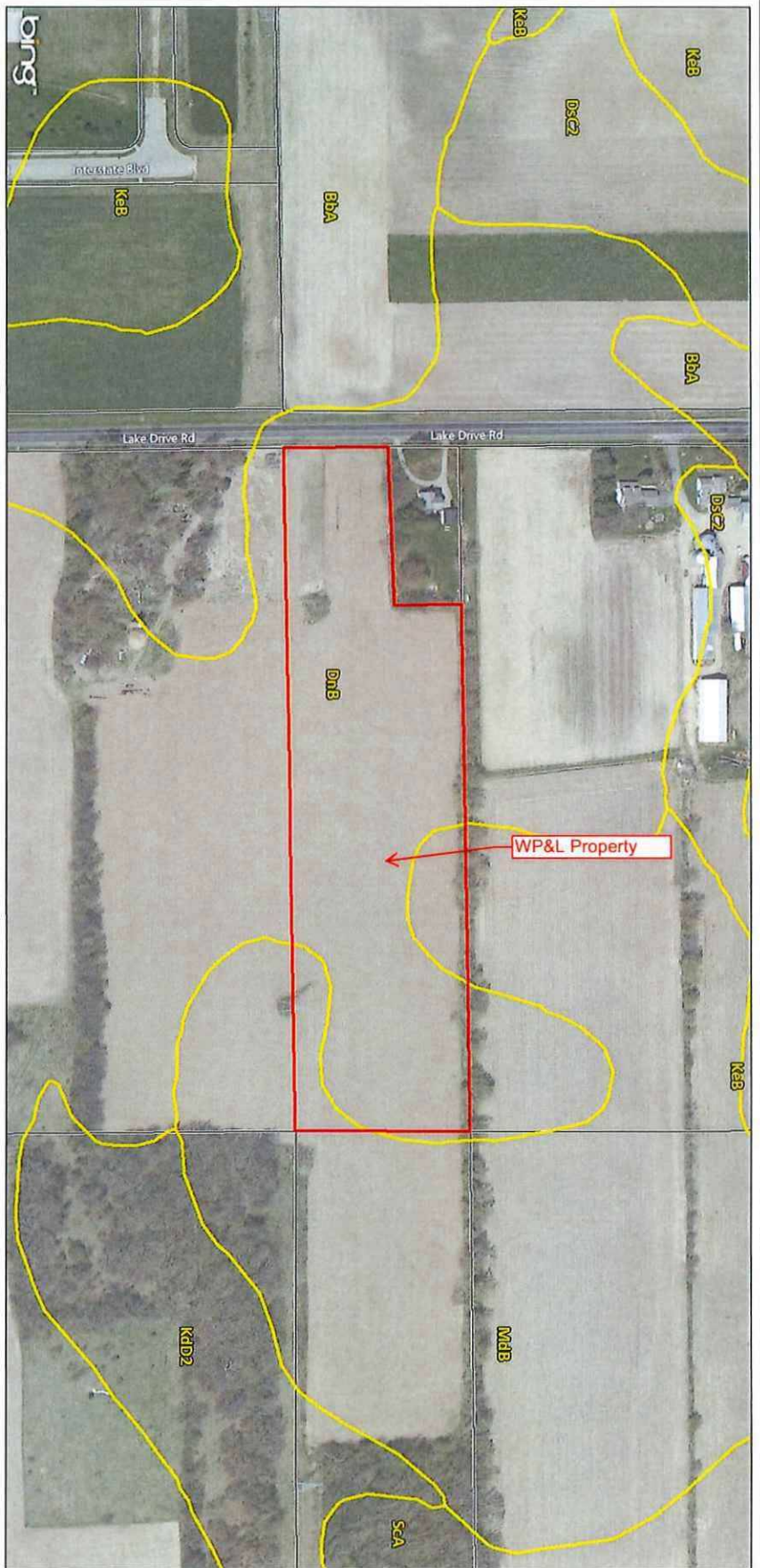
**SITE LOCATION MAP**  
 Edgerton Industrial Park Substation  
 Town of Albion  
 Dane County, WI  
  
 Alliant Energy



0 100 200  
 Feet  
 SCALE  
 1 inch = 200 feet  
 PROJECT NO: 1623-024  
 DATE: 7/29/2016  
 SHEET NO: 1







**Project Details**

- Project Site
- WI Parcels 2017
- Dane County Soil Survey

**Soil Map Unit Symbol:**

BbA Batavia Silt Loam, Gravely Substratum, 0 to 2% slopes

DnB Dodgeville Silt Loam, 2 to 6% slopes

DsC2 Dresden Silt Loam, 6 to 12% slopes, eroded

KdD2 Kidder Loam, 2 to 6% slopes

KeB Kegonsa Silt Loam, 2 to 6% slopes

MdB Mchenry Silt Loam, 2 to 6% slopes

SCA St. Charles Silt Loam, 2 to 6% slopes

**Property Soil Types:**

86.7% Dodgeville Silt Loam, 2 to 6% slopes, Hydrologic Soil Group C

13.3% Mchenry Silt Loam, 2 to 6% slopes, Hydrologic Soil Group B

DRAWN BY: RJM  
CHECKED BY: DJH



**MONTGOMERY ASSOCIATES:**  
RESOURCE SOLUTIONS, LLC  
119 South Main Street | Cottage Grove, WI 53527  
(608) 839-4422 | www.ma-rs.org

**SOIL MAP**  
Edgerton Substation  
Town of Albion  
Dane County, WI  
  
Alliant Energy



1 inch = 200 feet  
PROJECT NO: 1623-024  
DATE: 9/8/2017





Neighboring Land Use Aerial

WP&L Property

Piggly Wiggly

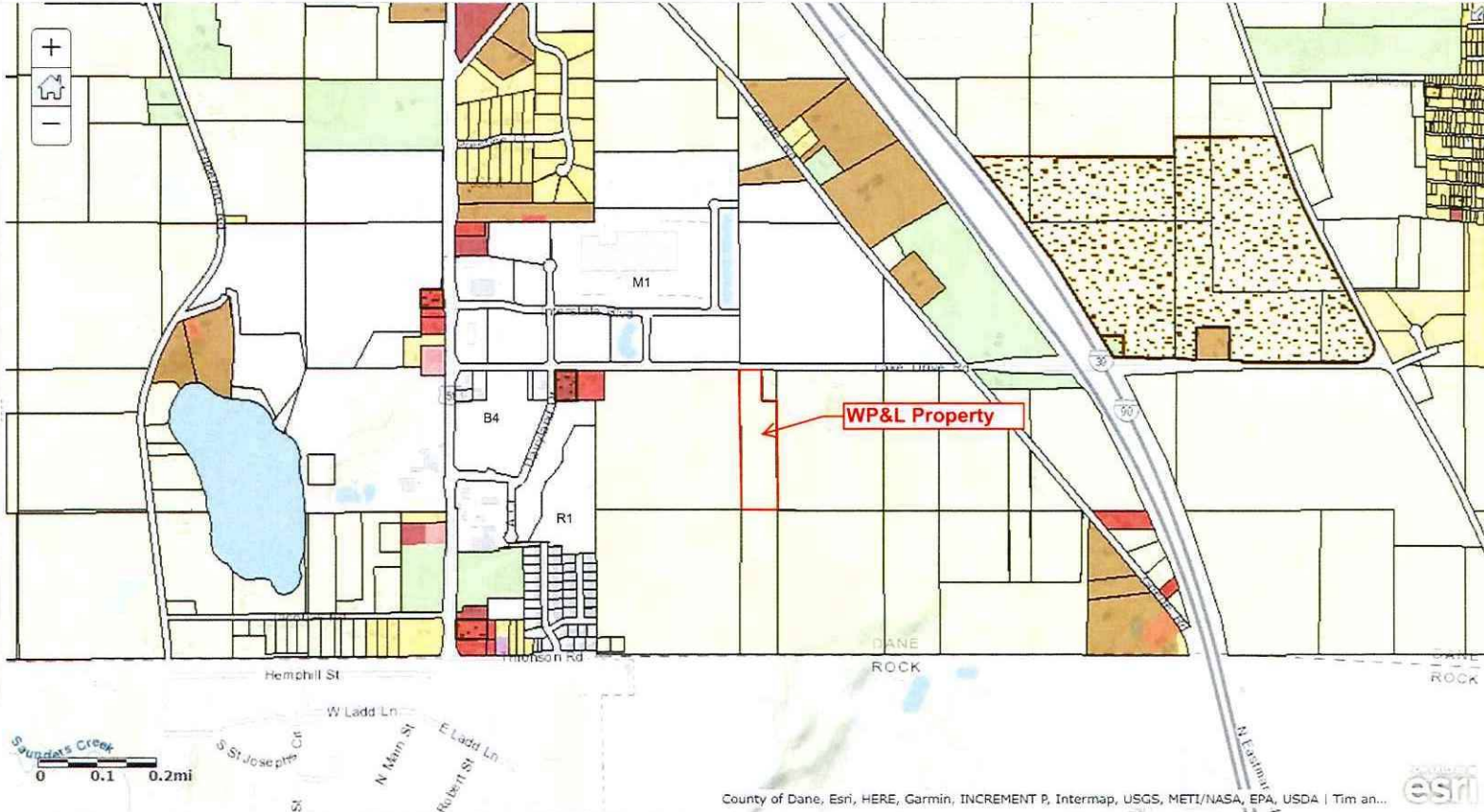
Google



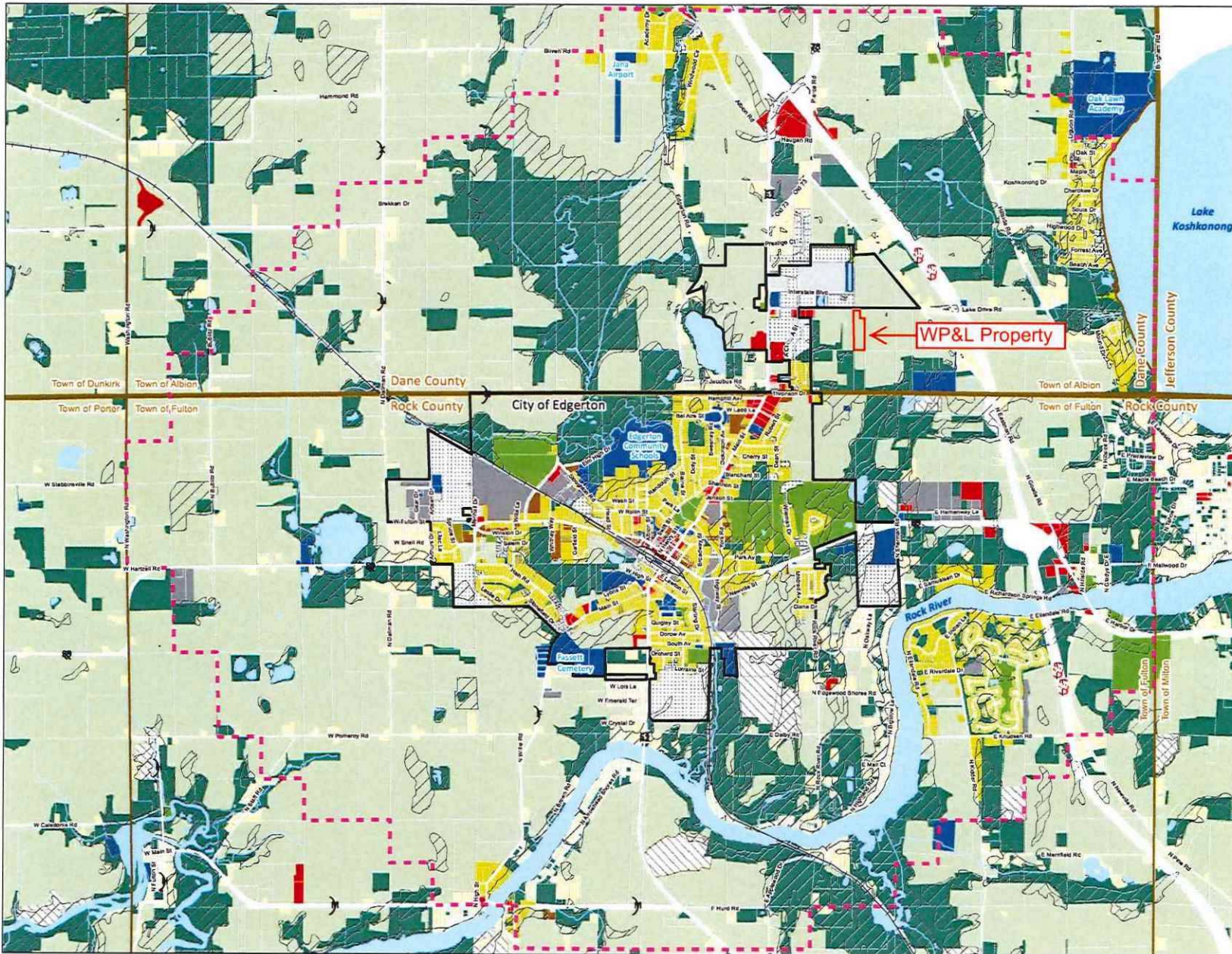
About Content Legend

**Legend**  
proposed zoning

- Tax Parcel Boundary
- Conditional Use Permit
- Zoning District
  - A-1 or A-1EX Agricultural
  - A-2, A-2(1), A-2(2), A-2(4), A-2(8), A-3 Agricultural
  - A-4
  - A-B Agricultural Business
  - B-1 Local Business
  - C-1 Light Commercial
  - C-2 Heavy Commercial
  - CO-1 Conservancy
  - ETZ
  - EXP-1 Expo
  - LC-1 Limited Commercial
  - M-1 Industrial
  - NONWTLND
  - PUD Planned Unit Development
  - R-1, R-1A, R-2, R-3
  - R-3A, R-4
  - RE-1 Recreational







Existing Land Use

- City of Edgerton Municipal Boundary
- City of Edgerton Extraterritorial Jurisdiction (ETJ) Boundary
- Other Municipal Boundaries
- County Boundaries

- Land Use Categories**
- Agricultural/Rural
  - Rural Residential
  - Single Family Residential
  - Duplex and Townhome Residential
  - Central Mixed Use
  - Multi-Family Residential
  - General Business
  - Neighborhood Office
  - Light Industrial
  - General Industrial
  - Quarry, Landfill, or Logging
  - Institutional, Utilities, or Airport
  - Recreational
  - Natural Area or Open Space
  - Surface Water
  - Vacant Land and Lots

Environmental Corridor\*

\*Consists of DNR Wetlands, Steep Slopes above 12%, and FEMA 100 and 500 Year Floodplains



0.5 Miles

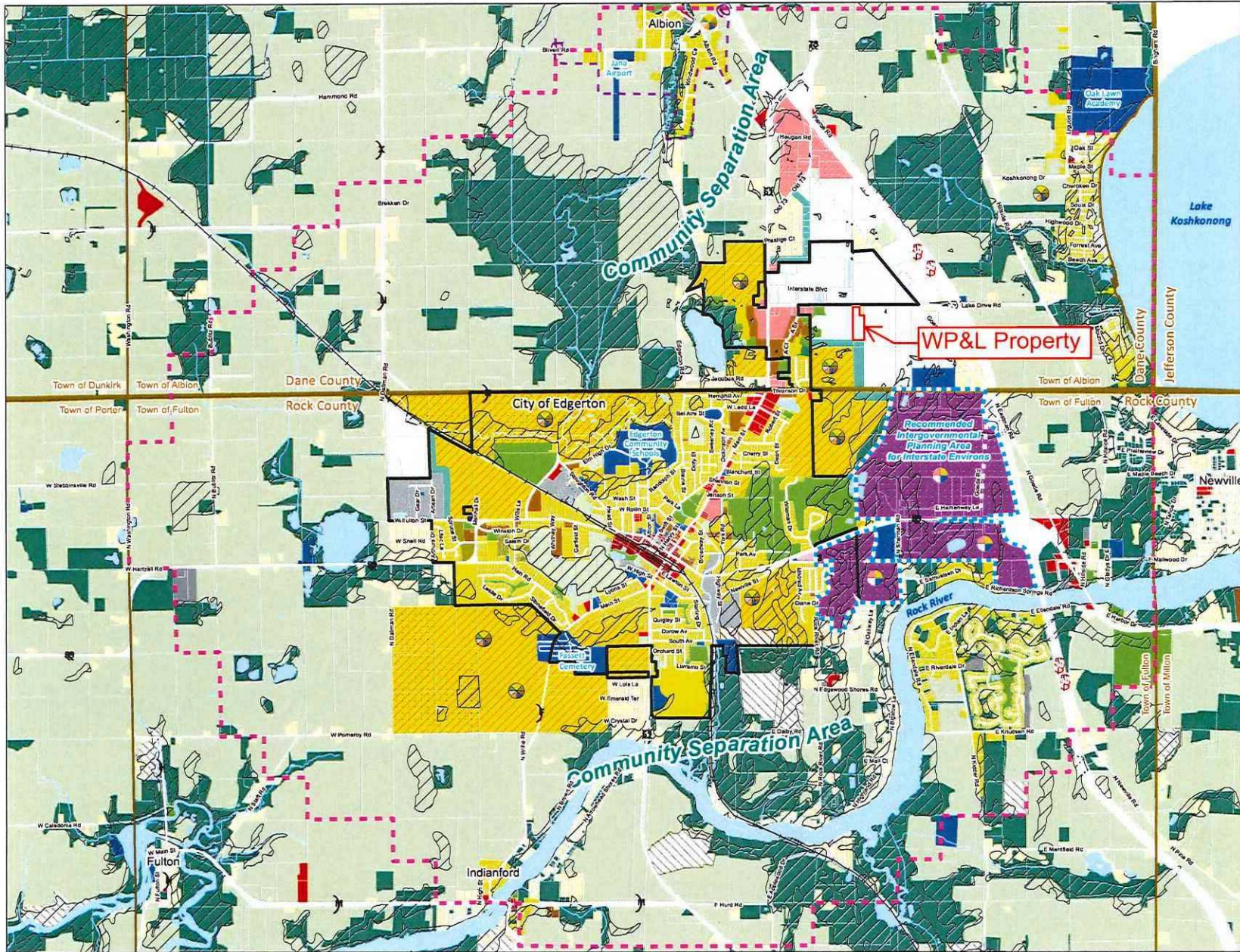
2

Adopted: December 21, 2015



Sources: City of Edgerton, Rock County, Dane County, US Census Bureau, FEMA, CARPC, WI DNR





Future Land Use

- City of Edgerton Municipal Boundary
- City of Edgerton Extraterritorial Jurisdiction (ETJ) Boundary
- Other Municipal Boundaries
- County Boundaries
- Albion Hamlet Infill Planning Area

Future Land Use Categories

- Agricultural/Rural
- Rural Residential
- Single Family Residential
- Duplex and Townhome Residential
- Multi-Family Residential
- Planned Neighborhood
- Neighborhood Office
- Neighborhood Business
- Planned Business
- General Business
- Central Mixed Use
- Planned Industrial
- General Industrial
- Quarry, Landfill, or Logging
- Institutional, Utilities, or Airport
- Recreational
- Planned Mixed Use
- Land Use Transition Buffer
- Natural Area or Open Space
- Surface Water
- Urban Reserve
- Environmental Corridor\*



\*Consists of DNR Wetlands, Steep Slopes above 12%, and FEMA 100 and 500 Year Floodplains



0.5 Miles  
Adopted: December 21, 2015

**VANDEWALLE & ASSOCIATES INC.**  
shaping places. shaping change

Sources: City of Edgerton, Rock County, Dane County, US Census Bureau, FEMA, CARPC, WI DNR



# NORTH GATEWAY NEIGHBORHOOD

City of Edgerton, Wisconsin

## Development Plan

### Legend

- Study Area Boundary
- Project Area Boundary
- County Boundary
- Woodland
- 5' Contours
- Existing Roads
- Proposed/Future Roads
- Pedestrian/Bike Connections
- Future Development
- Business Park/Industrial
- Community Commercial
- Single Family Residential
- Mixed Residential
- Future Planned Neighborhood
- Park/Stormwater Management
- Environmental Corridor\*
- Suggested Building & Parking Locations\*\*

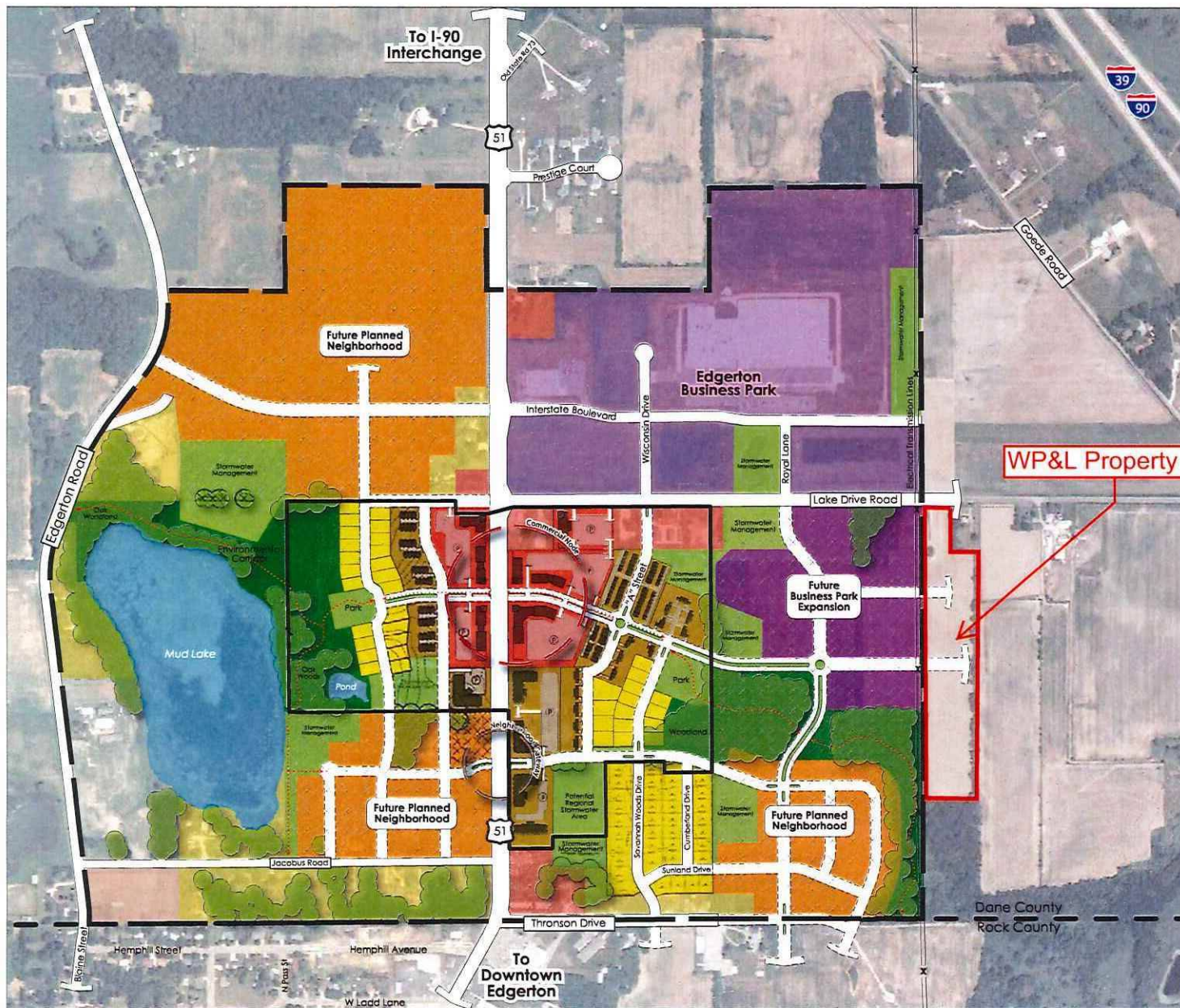
\* Environmental corridors consist of wetlands, water, hydric soils, and 100 year flood plains. All data is based on county data and has not been surveyed on site. This compiled data provides general regional information and is not accurate for specific development purposes. Site surveys will be required for detailed planning and development of individual sites within this neighborhood.

\*\*All building footprints and parking areas illustrated on the map are suggested configurations. The actual development of these sites will probably be different from the general design shown on this map. See text of the North Gateway Neighborhood Development Plan for details of the design guidelines.

Proposed road alignments and boundaries of proposed parks, land use areas, and environmentally constrained lands may be adjusted based on future City acquisition interests, specific private development design, or detailed site environmental surveys. See text of the North Gateway Neighborhood Development Plan for details.



Planning, Consulting, & Architecture  
Madison & Milwaukee, Wisconsin  
Vandewalle & Associates, Inc.  
Created: 4.11.07 Revised: 6.27.07, 5.16.07  
Adopted: June 23, 2007





TYLER M BUSHEE-OLIVER  
LAUREN M ANDERSON  
1308 CUMBERLAND DR  
EDGERTON WI 53534

MATTHEW W SCHUETTE  
KELLY K SCHUETTE  
1316 CUMBERLAND DR  
EDGERTON WI 53534

BADGER STORAGE 1 LLC  
4723 E OAKVIEW DR  
MILTON WI 53563

NICHOLAS C ROCHON  
LEAH P ROCHON  
1348 CUMBERLAND DR  
EDGERTON WI 53534

KEVIN C DEGRAND  
RACHEL M DEGRAND  
1324 CUMBERLAND DR  
EDGERTON WI 53534

LAKELAND VETERINARY PROPERTIES LLC  
553 LAKE DRIVE RD  
EDGERTON WI 53534

CHRISTOPHER L DANCKER  
LESLEY A DANCKER  
1327 CUMBERLAND DR  
EDGERTON WI 53534

ZACHARIAH P KOLLMANSBERGER  
MEGAN P KOLLMANSBERGER  
1332 CUMBERLAND DR  
EDGERTON WI 53534

LAKELAND VETERINARY PROPERTIES LLC  
553 LAKE DRIVE RD  
EDGERTON WI 53534

RYAN R PENCE  
ERIN E PENCE  
1319 CUMBERLAND DR  
EDGERTON WI 53534

Current Owner  
1340 CUMBERLAND DR  
EDGERTON WI 53534

KYLE A MELTON  
11323 N KENLYN RD  
EDGERTON WI 53534

DANIEL D WITT  
KELLY J WITT  
1311 CUMBERLAND DR  
EDGERTON WI 53534

PATRICK F OAKEY  
SARAH L WOYCHIK  
1356 CUMBERLAND DR  
EDGERTON WI 53534

DEV LLC  
5160 LOCUST GROVE RD  
OREGON WI 53575

JOHN D EASTMAN  
KATIE C EASTMAN  
405 SUNLAND DR  
EDGERTON WI 53534

JASON G SANDERS  
MOLLY M SANDERS  
1351 CUMBERLAND DR  
EDGERTON WI 53534

ILIR BANUSHI  
2404 W GLENMOOR LN  
JANESVILLE WI 53545

GREGORY S VITAIOLI  
MICHELE M VITAIOLI  
311 SUNLAND DR  
EDGERTON WI 53534

ROBERT ALLEN KILBURG  
JENNIFER CATHERINE KILBURG  
1343 CUMBERLAND DR  
EDGERTON WI 53534

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534

BINGOL REV TR PATRICK R & JAMIE R  
303 SUNLAND DR  
EDGERTON WI 53534

TANJA ANN WASHBURN  
1335 CUMBERLAND DR  
EDGERTON WI 53534

JA&A HOLDINGS LLC  
934 S SUMMIT AVE  
VILLA PARK IL 60181

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534

LYNETTE M BAKER  
BRENT DON  
1303 CUMBERLAND DR  
EDGERTON WI 53534

STEVEN T HANEWALL  
10 US HIGHWAY 51  
EDGERTON WI 53534

OLSON REV TR MARILYN R  
34 N US HIGHWAY 51  
EDGERTON WI 53534

MARCUS MAIER  
JENNIFER MAIER  
44 GOEDE RD  
EDGERTON WI 53534

SCHULD REV LIVING TR THEODOR H A  
574 THRONSON DR  
EDGERTON WI 53534

SCHULD REV LIVING TR THEODOR H A  
574 THRONSON DR  
EDGERTON WI 53534

DEV LLC  
5160 LOCUST GROVE RD  
OREGON WI 53575

ARTHUR H TEUBERT  
LISA K TEUBERT  
269 GOEDE RD  
EDGERTON WI 53534

SCHULD REV LIVING TR THEODOR H A  
574 THRONSON DR  
EDGERTON WI 53534

CHARLES E BLACKBOURN  
LYNN BLACKBOURN  
200 GOEDE RD  
EDGERTON WI 53534

MARAVILLO V LLC  
226 GOEDE RD  
EDGERTON WI 53534

PATRICIA A MCCONOCHIE  
117 YORK RD UNIT 10  
EDGERTON WI 53534

GOEDE ROAD PROPERTIES LLC  
1825 WESLEY AVE  
JANESVILLE WI 53545

SHANE LEGLER  
216 GOEDE RD  
EDGERTON WI 53534

MICKELSON REV LIVING TR PATRICIA A  
8303 BLACKWOLF DR  
MADISON WI 53717

ANN L PLEYTE  
EARL R PLEYTE  
186 GOEDE RD UNIT A  
EDGERTON WI 53534

JOSEPH R SNELL  
JANEL L SNELL  
230 GOEDE RD  
EDGERTON WI 53534

LEIN ACRES LLC  
730 COUNTY HIGHWAY A  
EDGERTON WI 53534

BERNARD H CARLEY  
LISA M CARLEY  
238 GOEDE RD  
EDGERTON WI 53534

RYAN T SIMMONS  
TANYA S SIMMONS  
215 GOEDE RD  
EDGERTON WI 53534

MATTHEW R DEJAYNES  
1300 SAVANNAH WOODS  
EDGERTON WI 53534

DOUGLAS A ZILLIOX  
JANE K ZILLIOX  
239 GOEDE RD  
EDGERTON WI 53534

KIENBAUM TR WILLIAM D  
KIENBAUM TR DAVID  
427 LAKE DR  
EDGERTON WI 53534

SANOY ROOFING & CONSTRUCTION LLC  
1242 WOODBRIDGE TRL  
WAUNAKEE WI 53597

SMITH ASSET HOLDINGS LLC  
100 CORPORATE DR  
EARTH CITY MO 63045

ARTHUR H TEUBERT JR  
LISA KAYE TEUBERT  
269 GOEDE RD  
EDGERTON WI 53534

DEAN W TRONNES  
CONSTANCE H TRONNES  
336 THRONSON DR  
EDGERTON WI 53534

KARL J KRONAU  
326 THRONSON DR  
EDGERTON WI 53534

Current Owner  
12 MAPLE CT  
EDGERTON WI 53534

VICTOR T SATTERLEE  
JULIE L SATTERLEE  
208 THRONSON DR  
EDGERTON WI 53534

ROBERT JOSEPH HICKS  
354 LAKE DRIVE RD  
EDGERTON WI 53534

CITY OF EDGERTON  
12 ALBION ST  
EDGERTON WI 53534

PATRICIA A PAAPE  
316 THRONSON DR  
EDGERTON WI 53534

KIENBAUM TR WILLIAM D  
KIENBAUM TR DAVID  
427 LAKE DR  
EDGERTON WI 53534

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534



CORY L HARRIS  
449 LAKE DRIVE RD  
EDGERTON WI 53534

KRUCKENBERG IRREV TR  
KRUCKENBERG IRREV TR LAWRENCE A  
PO BOX 348  
LOWELL WI 53557

CITY OF EDGERTON  
12 ALBION ST  
EDGERTON WI 53534

KRUCKENBERG IRREV TR  
KRUCKENBERG IRREV TR LAWRENCE A  
PO BOX 348  
LOWELL WI 53557

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

CITY OF EDGERTON  
12 ALBION ST  
EDGERTON WI 53534

KRUCKENBERG IRREV TR  
KRUCKENBERG IRREV TR LAWRENCE A  
PO BOX 348  
LOWELL WI 53557

ROGER ROENNEBURG  
99 GOEDE RD  
EDGERTON WI 53534

JEREMY JENSEN  
1304 SAVANNAH WOODS DR  
EDGERTON WI 53534

ROSEMARY TREUTHARDT  
931 SUMAC DR  
JANESVILLE WI 53545

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

ERIC J SERFORT  
MANDY L SERFORT  
1312 SAVANNAH WOODS DR  
EDGERTON WI 53534

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

KEITH A WEST  
JAMI J WEST  
1320 SAVANNAH WOODS DR  
EDGERTON WI 53534

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534

ALBION TOWN OF  
620 ALBION RD  
EDGERTON WI 53534

KASSANDRA HENDRICKS  
MATTHEW HOFF  
1328 SAVANNAH WOODS DR  
EDGERTON WI 53534

KIENBAUM TR WILLIAM D  
KIENBAUM TR DAVID  
427 LAKE DR  
EDGERTON WI 53534

CAROL ANN ORTMAN  
1136 OAKWOOD RD  
EAST PEORIA IL 61611

KEVIN M GARCZYNSKI  
JULIA J GARCZYNSKI  
1336 SAVANNAH WOODS DR  
EDGERTON WI 53534

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

MARGARET FRYE  
122 GOEDE RD  
EDGERTON WI 53534

Current Owner  
1366 SAVANNAH WOODS DR  
EDGERTON WI 53534

WISCONSIN POWER & LIGHT CO  
4902 N BILTMORE LN  
MADISON WI 53718

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

JOSEPH R ROESCH  
ERIN I PLUMLEY  
1374 SAVANNAH WOODS DR  
EDGERTON WI 53534

KIENBAUM TR DAVID  
423 LAKE DRIVE RD  
EDGERTON WI 53534

EDGERTON CITY OF  
12 ALBION ST  
EDGERTON WI 53534

ALAN N ACKER  
1342 SAVANNAH WOODS DR  
EDGERTON WI 53534

AARON MURRAY  
RACHEL MURRAY  
1350 SAVANNAH WOODS DR  
EDGERTON WI 53531

JENNIFER BUNCH  
1358 SAVANNAH WOODS DR  
EDGERTON WI 53534

THOMAS R CHENEY  
CYNTHIA S CHENEY  
1373 SAVANNAH WOODS DR  
EDGERTON WI 53534

DUSTIN J JACOBSON  
RENAE R JACOBSON  
1365 SAVANNAH WOODS DR  
EDGERTON WI 53534

ADAM K ROTHSTEIN  
KAYLA G ROTHSTEIN  
1357 SAVANNAH WOODS DR  
EDGERTON WI 53534

SAM B LITTLE  
MARGARET E BREITZMANN  
1349 SAVANNAH WOODS DR  
EDGERTON WI 53534

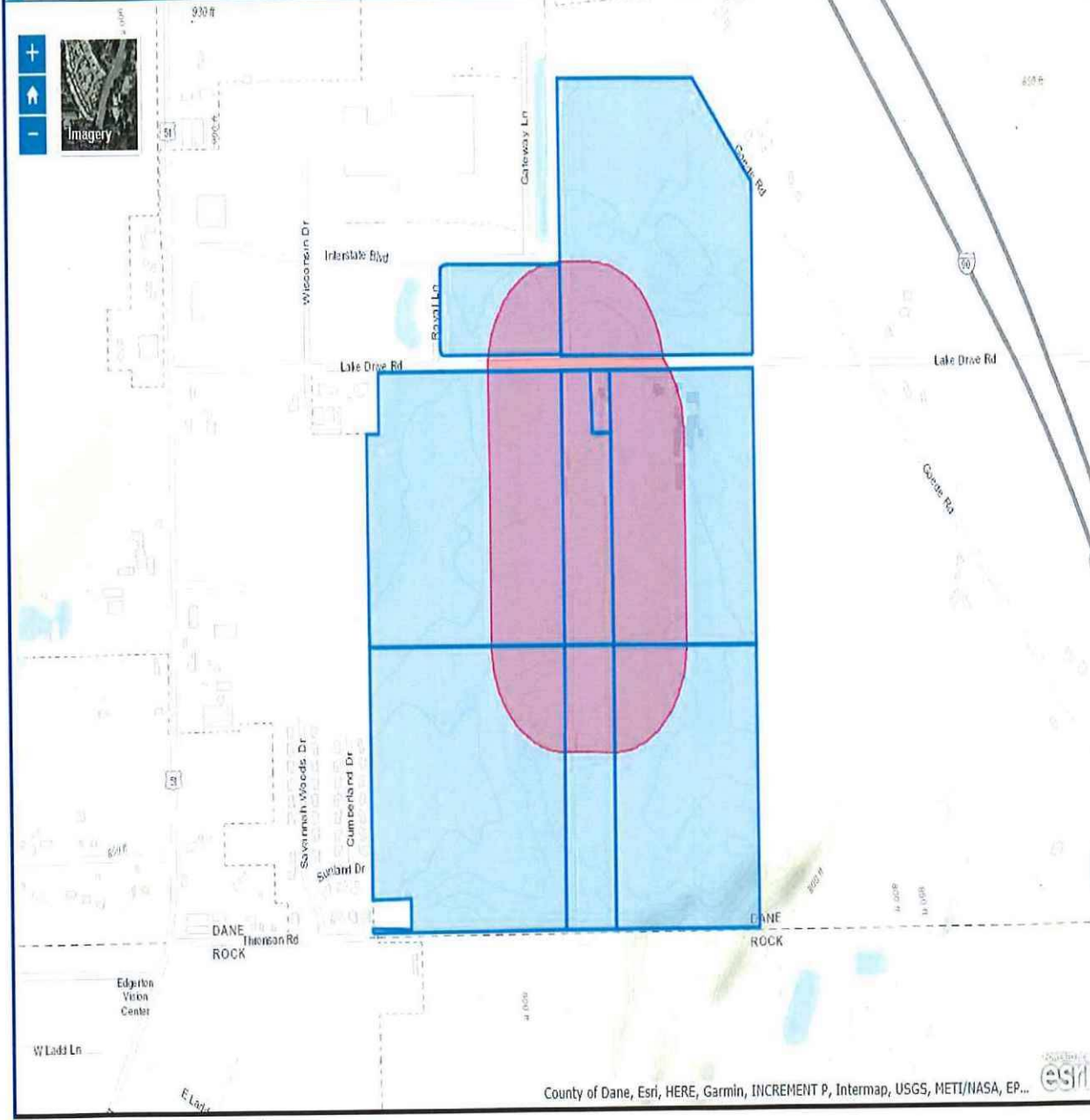
JEREMY M SWAN  
1333 SAVANNAH WOODS DR  
EDGERTON WI 53534

JOHN R GORSCHELS  
BECKY E GORSCHELS  
1325 SAVANNAH WOODS  
EDGERTON WI 53534

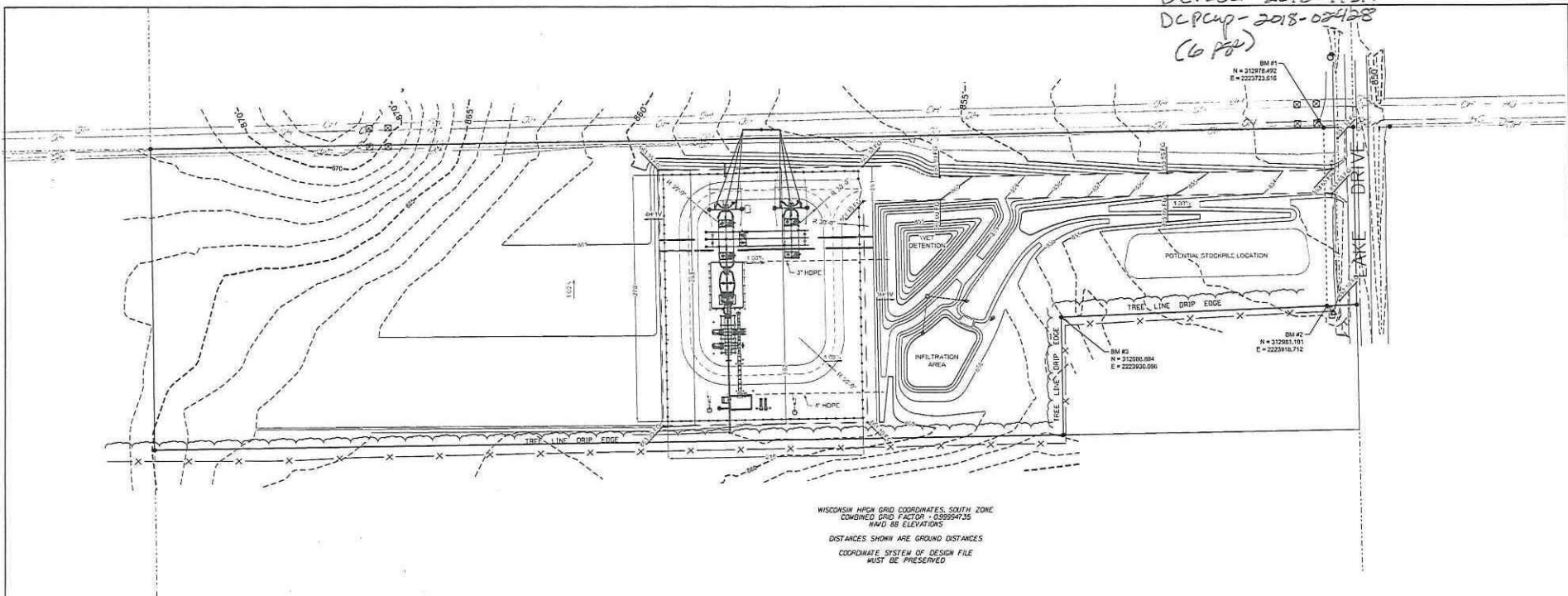
KAREN B LUCAS  
1341 SAVANNAH WOODS DR  
EDGERTON WI 53534

ROBERT B KOCH  
MARILYN J KOCH  
1311 SAVANNAH WOODS DR  
EDGERTON WI 53534





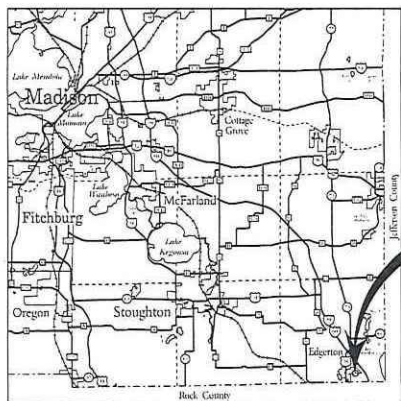
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 DCP02Z-2018-05428  
 (6 PG)



WISCONSIN HPGN GRID COORDINATES, SOUTH ZONE  
 COMBINED GRID FACTOR = 0.99994735  
 HIGN GRID ELEVATIONS  
 DISTANCES SHOWN ARE GROUND DISTANCES  
 COORDINATE SYSTEM OF DESIGN FILE  
 MUST BE PRESERVED

**LEGEND**

- 660 — EXISTING MAJOR CONTOUR
- 661 — EXISTING MINOR CONTOUR
- — — RIGHT-OF-WAY LINE
- — — EXISTING OVERHEAD ELECTRIC
- — — PROPERTY BOUNDARY
- — — FEEDER EXITS
- 660 — PROPOSED MAJOR CONTOUR
- 661 — PROPOSED MINOR CONTOUR
- — — PROPOSED GRAVEL BASE
- — — PROPOSED SILT FENCE
- 662.71 FG — PROPOSED PAD SPOT ELEVATION
- — — EXISTING STORM DRAIN
- — — EXISTING SEWER
- PROPERTY CORNER



PART OF DANE COUNTY



ALBION TOWNSHIP



DANE COUNTY, WI

**BENCHMARK INFORMATION**

BM #1	N=312978.492	E=2223723.616	ELEV=851.47'
BM #2	N=312981.191	E=2223918.712	ELEV=852.93'
BM #3	N=312688.884	E=2223930.086	ELEV=855.82'

BM #1  
 LATITUDE: 42°51'17.00294"N  
 LONGITUDE: 89°02'53.41229"W

**NEW**  
 FOR PERMITTING

CLASSIFIED: CONFIDENTIAL PCII

WISCONSIN POWER AND LIGHT COMPANY  
 EDGERTON BUSINESS PARK SUBSTATION  
 EDGERTON, WI



SITE PLAN  
 PART OF THE NE 1/4 OF THE SW 1/4 SEC. 35, T.5 N, R.12 E  
 TOWN OF ALBION, DANE COUNTY, WI

SCALE: 1" = 50'

16762-02-01

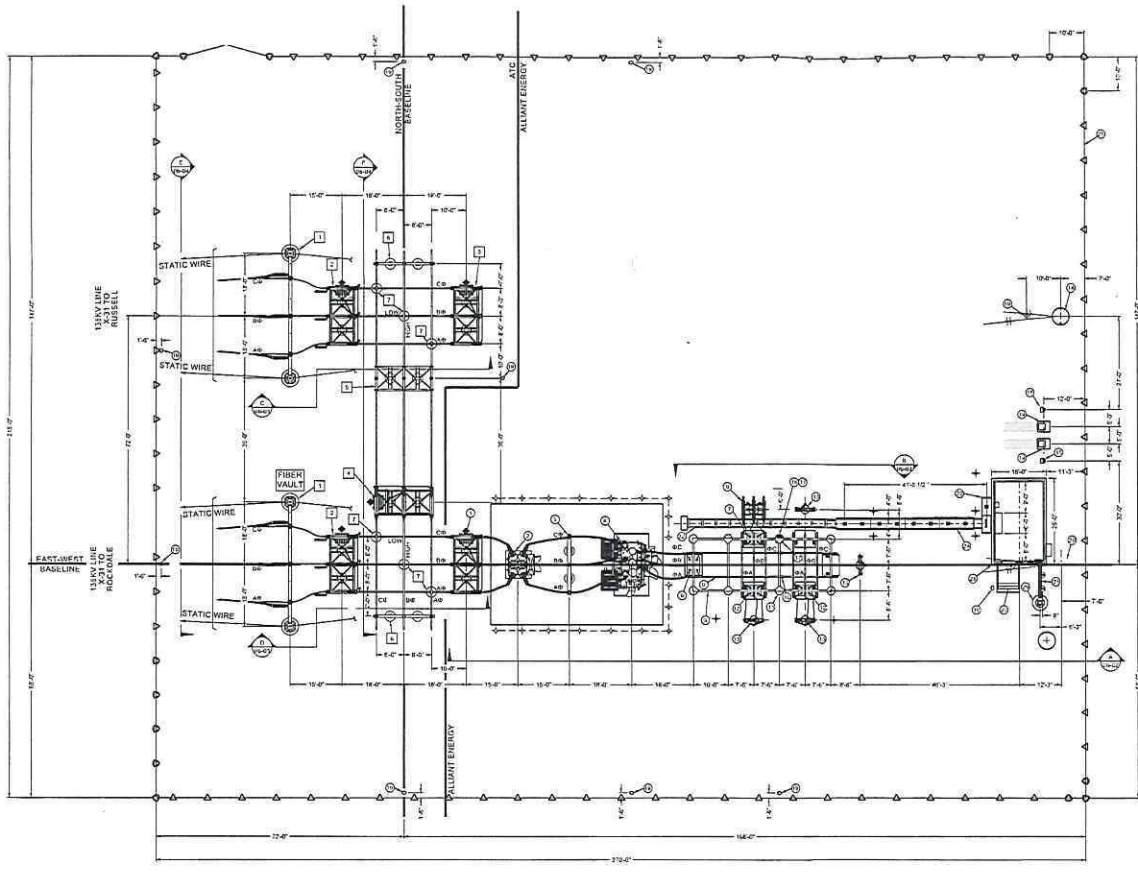
NO.	DATE	DESCRIPTION	BY	CHKD.	APPD.

19 APR 2019  
 15:41:13: Edgerton Business Park 85522 Substation 10 Drawings 05 PDF's Submittal PDF 504-18-18 PERMITTING 07/02/2019.dgn

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PROJECT: 19 APR 2018  
 DRAWING: L1ALTVAL138 Edgerton Business Park S502 Substation  
 FILE: L1ALTVAL138 Edgerton Business Park S502 Substation I0 Drawings I05 PDF - US/Confidential PDF/04-18-18 PERMITTING/18762-06-01B.dgn



**LEGEND**

- DEMARCATION LINE
- △ FENCE POST
- FENCE POST WITH FOUNDATION
- ◆ ROAD CROSSING MARKER
- ✦ TRENCH MARKER
- SWITCH OPERATOR GROUND GRADE WITH INLET DRAIN
- ⊗ PRE-CAST CONCRETE MANHOLE WITH INLET DRAIN

**NOTES**

- RIGID BUS RATED FOR 40 KA FAULT DUTY.
- INSTALL 795 ACSR DRAKE (A700) IN ALL RIGID BUS SECTIONS OVER 15' LENGTH.
- SEE DWG 08-01 FOR ATC MASTER BILL OF MATERIAL.

**138 KV (650 KV BIL) CLEARANCE**

PHASE TO PHASE	MIN. 53'
PHASE TO GROUND	MIN. 50'
BOTTOM OF INSULATOR OR BUSHING TO FOUNDATION TOP	MIN. 100'
VERTICAL CLEARANCE OF UNGUARDED LIVE PARTS TO FOUNDATION TOP	MIN. 145'
HORIZONTAL CLEARANCE OF UNGUARDED LIVE PARTS	MIN. 80'

**ATC EQUIPMENT DETAILS LIST**

ITEM NO.	DESCRIPTION	STEEL DETAILS	EQUIPMENT DETAILS	QUANTITY
1	138KV DEADEND	07-12A-X	08-21	2
2	138KV 3Ø LOW SWITCH WITH INTERRUPTERS	07-13	08-22	2
3	138KV 3Ø LOW SWITCH	07-13	08-23	1
4	138KV 3Ø HIGH SWITCH	07-14A	08-24	1
5	138KV 3Ø HIGH BUS SUPPORT ( SWITCH STAND)	07-14A & B	08-25	1
6	138KV 3Ø HIGH BUS SUPPORT	07-15	08-26	2
7	138KV 1Ø LOW BUS SUPPORT	07-16	08-27	6

**ALLIANT ENERGY EQUIPMENT DETAILS LIST**

ITEM NO.	DESCRIPTION	EQUIPMENT DETAILS	QUANTITY
1	138KV 3Ø LOW SWITCH STAND	08-01	1
2	138KV CIRCUIT BREAKER	08-02	1
3	138KV 3Ø LOW BUS SUPPORT	08-03	1
4	POWER TRANSFORMER	08-03	1
5	15.25KV DISTRIBUTION STRUCTURE	08-07	1
6	CIRCUIT BREAKER MAIN (2000A)	08-08	1
7	CIRCUIT BREAKER TIE (2000A)	08-08	1
8	BUS TIE TERMINATION STRUCTURE (2000A)	08-12	1
9	BUS CONDUCTION	08-08	1
10	VOLTAGE TRANSFORMER	08-10	1
11	VT JUNCTION BOX	08-11	1
12	CIRCUIT BREAKER FEEDER (2000A)	08-05	2
13	FEEDER EXIT TERMINATION STRUCTURE (600A)	08-09	4
14	PADMOUNT TRANSFORMER	08-18	2
15	SAFETY SWITCH	08-15	2
16	STATION POWER CURRENT TRANSFORMER	08-13	1
17	BUS DIFFERENTIAL JUNCTION BOX	08-14	1
18	SS STATIC MAST WITHOUT SECURITY LIGHT	08-17	1
19	MAINTENANCE FLOODLIGHT	08-18	9
20	SS STATIC MAST WITH SECURITY LIGHT	08-17	1
21	CLIMB AND ICE BRIDGE ASSEMBLY	08-20	1
22	PEDESTRIAN TRENCH	08-19	2
23	STAIRS	08-15	1
24	CONTROL ENCLOSURE ROAD CROSSING	08-19	1
25	SECURITY FENCE	02-04	1
26	+	+	+
27	+	+	+
28	CONTROL ENCLOSURE	05-01	1
29	COMMUNICATIONS MONOPOLE	08-19	1

NEW

FOR PERMITTING

CLASSIFIED: CONFIDENTIAL PCI

REV	DATE	BY	DESCRIPTION
1	04/19/2018	MEV	NEW SUB FOR PERMITTING
2	04/20/2018	MEV	REVISED

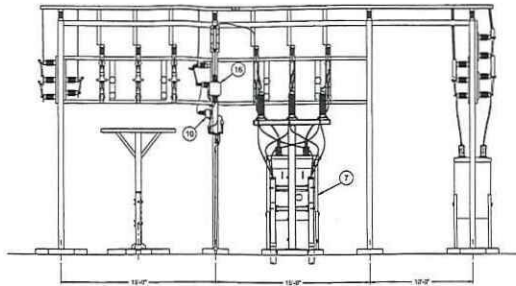
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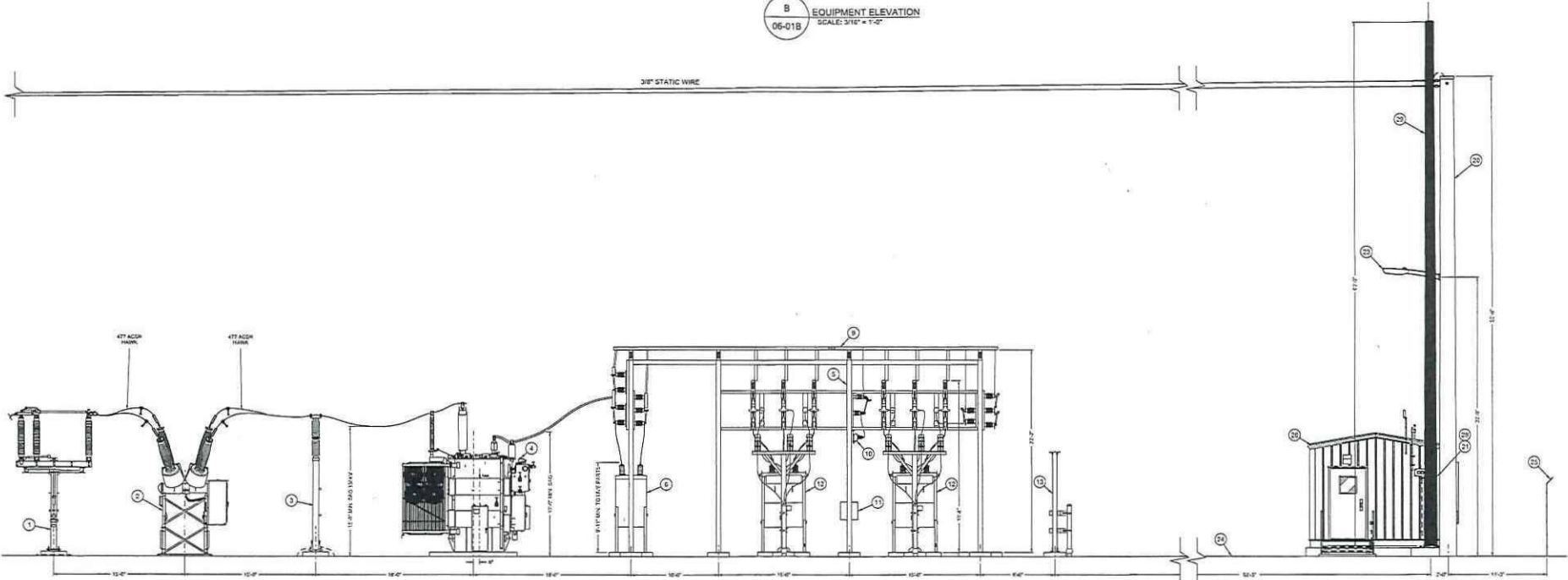
WISCONSIN POWER AND LIGHT COMPANY  
 EDGERTON BUSINESS PARK SUBSTATION  
 EQUIPMENT LAYOUT  
 INITIAL GA

SCALE: 1/16" = 1'-0"      16762-06-01B

ITEM	DESCRIPTION	DRAWING
1	138KV 2P LOW SWITCH STAND	08-01
2	138KV CIRCUIT BREAKER	08-02
3	138KV 2P LOW BUS SUPPORT	08-21
4	POWER TRANSFORMER	08-23
5	138KV DIST. TERMINATION STRUCTURE	08-27
6	CIRCUIT BREAKER MAIN (2000A)	08-04
7	TR. CIRCUIT BREAKER	08-05
8		
9	BUS CONDUCTION	08-08
10	VOLTAGE TRANSFORMER	08-10
11	VT JUNCTION BOX	08-11
12	CIRCUIT BREAKER FEEDER (2000A)	08-05
13	FEEDER EXIT TERMINATION STRUCTURE (600A)	08-09
14		
15	STATION POWER CURRENT TRANSFORMER	08-13
17	BUS DIFFERENTIAL JUNCTION BOX	08-14
18		
19		
20	57 STATIC MAST WITH SECURITY LIGHT	08-17
21	CDAX AND ICE BRIDGE ASSEMBLY	08-20
22		
23	MAINTENANCE FLOODLIGHT	08-18
24	CONTROL ENCLOSURE ROAD CROSSING	
25	SECURITY FENCE	03-24
26		
27	CONTROL ENCLOSURE	08-01
29	COMMUNICATIONS MASTPOLE	08-19



**B**  
EQUIPMENT ELEVATION  
SCALE: 3/16" = 1'-0"



**A**  
EQUIPMENT ELEVATION  
SCALE: 3/16" = 1'-0"

**NEW**  
FOR PERMITTING

CLASSIFIED: CONFIDENTIAL PCI

WISCONSIN POWER AND LIGHT COMPANY

EDGERTON BUSINESS PARK SUBSTATION EDGERTON, WI  
SUBSTATION ELEVATION VIEWS  
SECTIONS A AND B



SCALE: 3/16" = 1'-0"

16762-06-02

NO.	DATE	REVISION	BY	CHKD	APPVD
1	12-13-2017				

SEED FILE: DAS-06-02  
REV: 7

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PROJECT: 19 APR 2018  
 DRAWING: 16762-06-02  
 FILE: L:\ALTY\138 Edgerton Business Park Substation\Drawings\05 PDF\AS\Confidential PDF\04-18 PERMITTING\16762-06-02.dwg



**LEGEND**

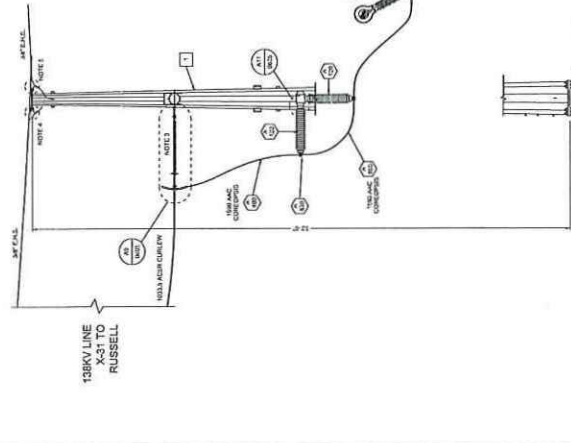
- ..... DEMARCATION LINE
- ..... ATC DASH LINE FOR MATERIAL LIST
- ..... INDICATES DETAIL NO.
- ..... DRAWING IN WHICH DETAIL APPEARS
- (EK) EXPANSION FITTING
- (F) FRED FITTING
- (S) SLIP FITTING
- ..... BASELINE

**NOTES**

1. RIGID BUS RATED FOR 40-M PALETT DUTY.
2. INSTALL 7/8" ASER DRINK (AND) IN ALL RIGID BUS SECTIONS OVER 10' LENGTH.
3. DOUBLE TONGUE COMPRESSION HEADS END CONNECTOR, INSULATOR, AND ASSOCIATED HARDWARE PROVIDED AND INSTALLED UNDER TUNE FOR 600S12. TUNE FOR 600S12.
4. HARDWARE FOR SHIELD WIRE TERMINATION PROVIDED AND INSTALLED UNDER TUNE FOR 600S12.
5. HARDWARE AND SHIELD WIRE OWNED AND INSTALLED BY ALLIANT ENERGY.

**138 KV (650 KV BIL) CLEARANCE**

PHASE TO PHASE	MIN. 07'
PHASE TO GROUND	MIN. 02'
BOTTOM OF INSULATOR OR BUSING TO FOUNDATION TOP	MIN. 102"
TO TOP OF UNENCLOSED LIVE PARTS	MIN. 144"
HORIZONTAL CLEARANCE OF UNENCLOSED LIVE PARTS	MIN. 08'

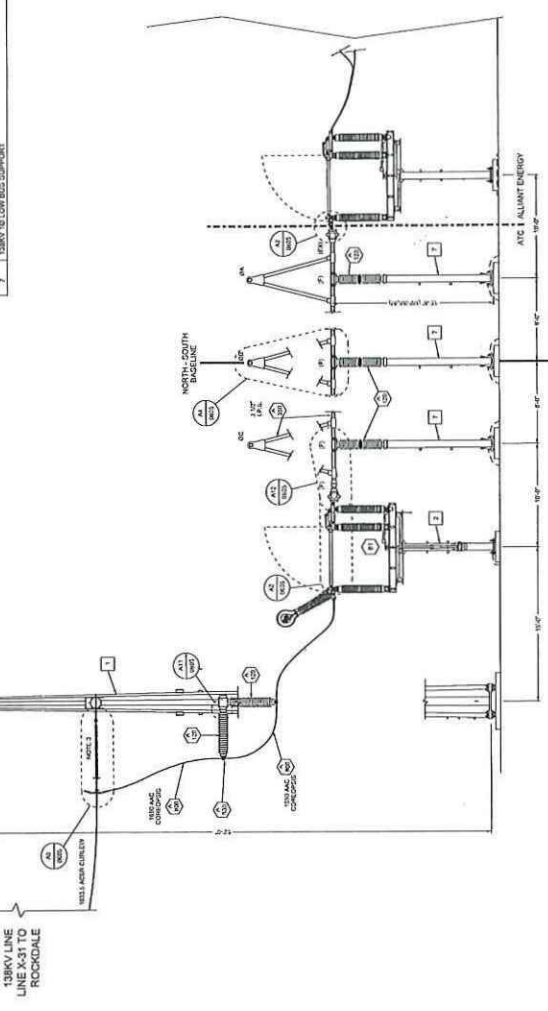


**138KV LINE ON RUSSELL**  
SCALE: 3/16" = 1'-0"  
EQUIPMENT ELEVATION

DATE: 12-23-2017	REV: 1	DATE: 12-23-2017	REV: 1
DATE: 12-23-2017	REV: 2	DATE: 12-23-2017	REV: 2
DATE: 12-23-2017	REV: 3	DATE: 12-23-2017	REV: 3
DATE: 12-23-2017	REV: 4	DATE: 12-23-2017	REV: 4
DATE: 12-23-2017	REV: 5	DATE: 12-23-2017	REV: 5
DATE: 12-23-2017	REV: 6	DATE: 12-23-2017	REV: 6
DATE: 12-23-2017	REV: 7	DATE: 12-23-2017	REV: 7
DATE: 12-23-2017	REV: 8	DATE: 12-23-2017	REV: 8
DATE: 12-23-2017	REV: 9	DATE: 12-23-2017	REV: 9
DATE: 12-23-2017	REV: 10	DATE: 12-23-2017	REV: 10

**ATC EQUIPMENT DETAILS LIST**

ITEM NO.	DESCRIPTION	DETAILS	EQUIPMENT DETAILS	QUANTITY
1	138KV BUSING	08-21	08-21	2
2	138KV 50 LOW SWITCH WITH INTERRUPTERS	08-22	08-22	2
3	138KV 50 LOW SWITCH	08-23	08-23	1
7	138KV 12 LOW BUS SUPPORT	08-27	08-27	6



**138KV LINE ON ROCKDALE**  
SCALE: 3/16" = 1'-0"  
EQUIPMENT ELEVATION

DATE: 12-23-2017	REV: 1	DATE: 12-23-2017	REV: 1
DATE: 12-23-2017	REV: 2	DATE: 12-23-2017	REV: 2
DATE: 12-23-2017	REV: 3	DATE: 12-23-2017	REV: 3
DATE: 12-23-2017	REV: 4	DATE: 12-23-2017	REV: 4
DATE: 12-23-2017	REV: 5	DATE: 12-23-2017	REV: 5
DATE: 12-23-2017	REV: 6	DATE: 12-23-2017	REV: 6
DATE: 12-23-2017	REV: 7	DATE: 12-23-2017	REV: 7
DATE: 12-23-2017	REV: 8	DATE: 12-23-2017	REV: 8
DATE: 12-23-2017	REV: 9	DATE: 12-23-2017	REV: 9
DATE: 12-23-2017	REV: 10	DATE: 12-23-2017	REV: 10

**NEW**

FOR PERMITTING

CLASSIFIED: CONFIDENTIAL PCI

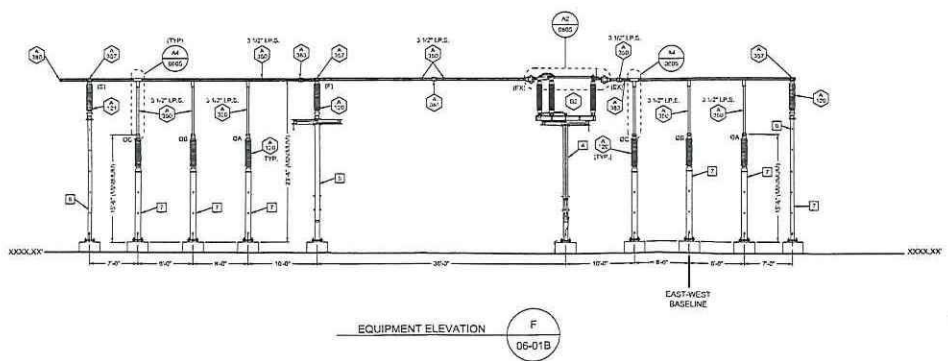
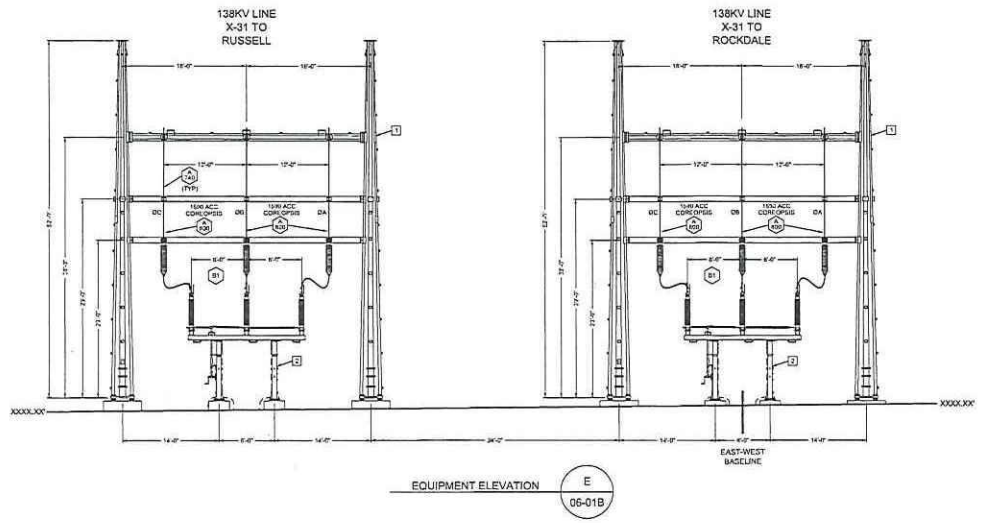
WISCONSIN POWER AND LIGHT COMPANY  
EDGERTON BUSINESS PARK SUBSTATION  
SUBSTATION ELEVATION VIEWS  
SECTIONS C AND D



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SCALE: 3/16" = 1'-0"  
16762-06-03

ATC EQUIPMENT DETAILS LIST				
ITEM NO.	DESCRIPTION	STEEL DETAIL	EQUIPMENT DETAILS	QUANTITY
1	138KV DEADEND	07-12A-C	06-21	2
2	138KV 3D LOW SWITCH WITH INTERRUPTERS	07-13	06-22	2
4	138KV 3D HIGH SWITCH	07-14A	06-24	1
5	138KV 3D HIGH BUS SUPPORT (SWITCH STAND)	07-14A & B	06-25	1
6	138KV 3D HIGH BUS SUPPORT	07-15	06-26	2
7	138KV 1D LOW BUS SUPPORT	07-16	06-27	6



**LEGEND**

(16) ATC MATERIAL CALLOUT  
SEE DWG 06-01 FOR MATERIAL LIST

(17) INDICATES DETAIL NO.  
DRAWING IN WHICH DETAIL APPEARS

(EX) EXPANSION FITTING

(F1) FIXED FITTING

(S1) SLIP FITTING

----- BASELINE

**NOTES**

1. RIGID BUS RATED FOR 40 KA FAULT DUTY.  
2. INSTALL 795 ACSR DRAKE (A700) IN ALL RIGID BUS SECTIONS OVER 10' LENGTH.

**138 KV (850 KV BIL) CLEARANCE**

PHASE TO PHASE ..... MIN. 63'

PHASE TO GROUND ..... MIN. 50'

BOTTOM OF INSULATOR OR BUSHING TO FOUNDATION TOP ..... MIN. 102'

VERTICAL CLEARANCE OF UNGUARDED LIVE PARTS TO TOP OF FOUNDATION ..... MIN. 145'

HORIZONTAL CLEARANCE OF UNGUARDED LIVE PARTS ..... MIN. 80'

**NEW**  
FOR PERMITTING

CLASSIFIED: CONFIDENTIAL PCII

WISCONSIN POWER AND LIGHT COMPANY  
EDGERTON BUSINESS PARK SUBSTATION EDGERTON, WI  
SUBSTATION ELEVATION VIEWS  
SECTIONS E AND F



SCALE: 1/8" = 1'-0" 16762-06-04

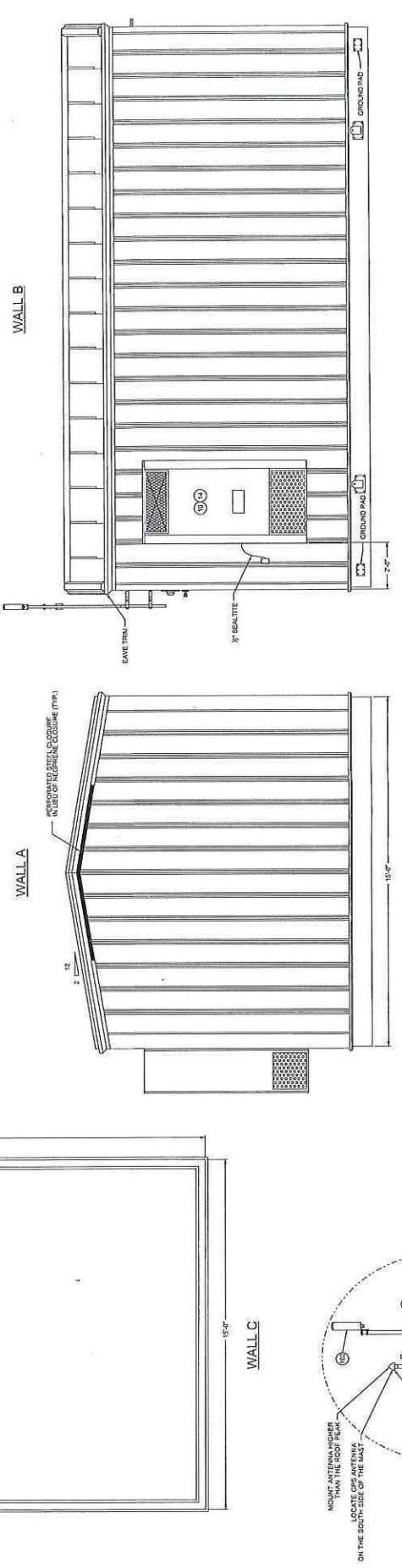
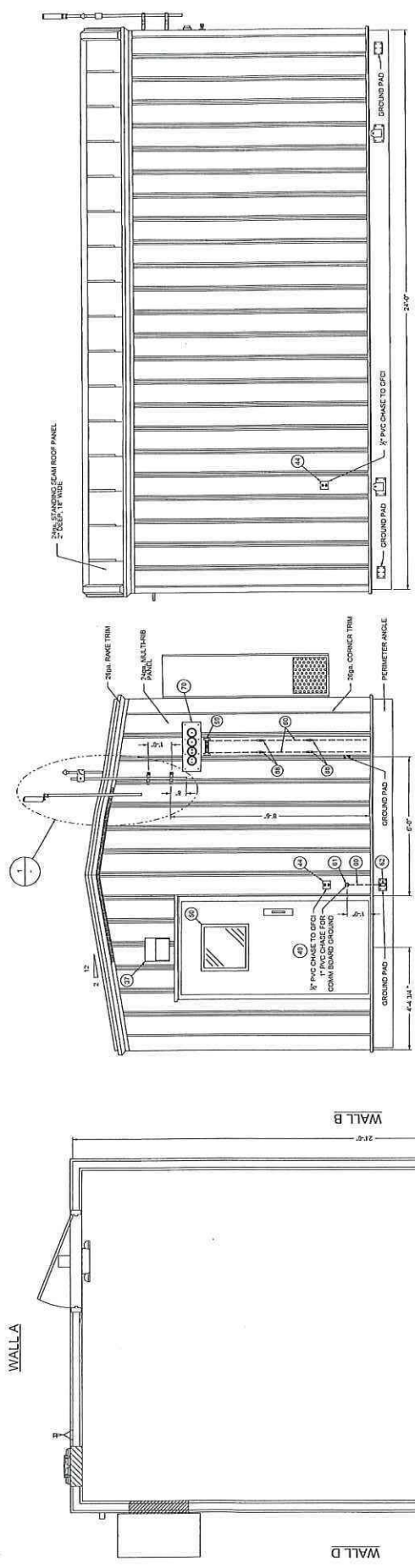
SEED FILE: GAS-06-02  
REV: 7 DATE: 12-13-2017

NO.	DATE	REVISION	BY	CHECKED	APP'D
1	12/13/17	ISSUE FOR PERMITTING	SM	SM	SM

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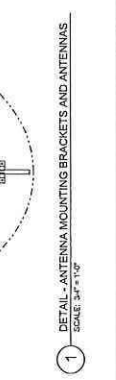
18 APR 2018  
 Project: 18 APR 2018  
 File: L:\M\1\1\1\18\_Edgerton Business Park SS02 Substation\10 Drawings\05 PDF\VIS\Detail\PDF\04-18-18 PERMITTING\16762-06-04.dgn





**NEW**  
FOR PERMITTING  
CLASSIFIED CONFIDENTIAL/PCI

NOTES:  
1. FOR MATERIAL LIST, SEE DRAWING 05-03.



1 DETAIL-ANTENNA MOUNTING BRACKETS AND ANTENNAS  
SCALE: 3/4\"/>

CLIENT/UTILITY: CITY, ST  
SUBSTATION NAME: 15 X 24 X 10-45' CONTROL ENCLOSURE  
EXTERIOR ELEVATION VIEWS  
SCALE: 1/2\"/>

**Alliant Energy**

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NO.	DATE	BY	REVISION

DESIGNED BY: [Name] DATE: 12/20/17  
CHECKED BY: [Name] DATE: 12/20/17  
DRAWN BY: [Name] DATE: 12/20/17

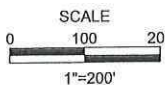
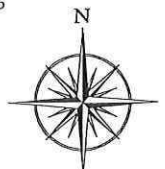
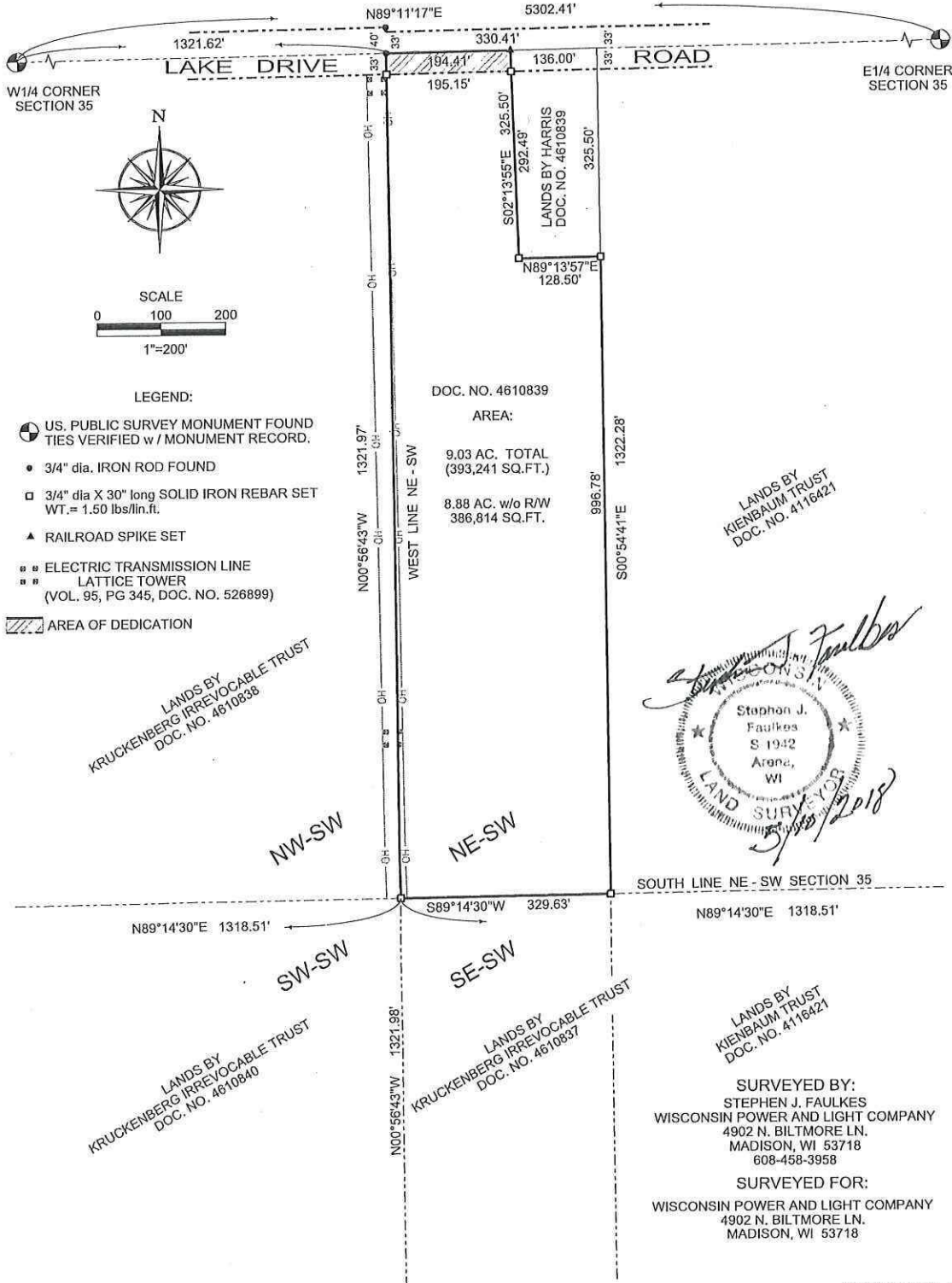
DANE COUNTY CERTIFIED SURVEY MAP NO. \_\_\_\_\_

PART OF THE W1/4 OF THE NE1/4 OF THE SW1/4 OF SECTION 35,  
TOWNSHIP 05 NORTH, RANGE 12 EAST OF THE 4th  
PRINCIPAL MERIDIAN, TOWN OF ALBION,  
DANE COUNTY, WISCONSIN.

VOLUME \_\_\_\_\_

PAGE \_\_\_\_\_

BEARINGS REFERENCED TO GRID NORTH AS BASED  
ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE, NAD 83 (2011). CGF.= 0.99994735



LEGEND:

- US. PUBLIC SURVEY MONUMENT FOUND TIES VERIFIED w / MONUMENT RECORD.
- 3/4" dia. IRON ROD FOUND
- 3/4" dia X 30" long SOLID IRON REBAR SET WT.= 1.50 lbs/lin.ft.
- RAILROAD SPIKE SET
- ELECTRIC TRANSMISSION LINE LATTICE TOWER (VOL. 95, PG 345, DOC. NO. 526899)
- AREA OF DEDICATION

DOC. NO. 4610839  
AREA:  
9.03 AC. TOTAL  
(393,241 SQ.FT.)  
8.88 AC. w/o R/W  
386,814 SQ.FT.

LANDS BY  
KIENBAUM TRUST  
DOC. NO. 4116421

*Stephen J. Faulkes*  
STEPHEN J. FAULKES  
LAND SURVEYOR  
WISCONSIN  
S 1942  
ARENA,  
WI  
5/15/2018

LANDS BY  
KRUCKENBERG IRREVOCABLE TRUST  
DOC. NO. 4610838

LANDS BY  
KRUCKENBERG IRREVOCABLE TRUST  
DOC. NO. 4610840

LANDS BY  
KRUCKENBERG IRREVOCABLE TRUST  
DOC. NO. 4610837

LANDS BY  
KIENBAUM TRUST  
DOC. NO. 4116421

SURVEYED BY:  
STEPHEN J. FAULKES  
WISCONSIN POWER AND LIGHT COMPANY  
4902 N. BILTMORE LN.  
MADISON, WI 53718  
608-458-3958

SURVEYED FOR:  
WISCONSIN POWER AND LIGHT COMPANY  
4902 N. BILTMORE LN.  
MADISON, WI 53718



DANE COUNTY CERTIFIED SURVEY MAP NO. \_\_\_\_\_

VOLUME \_\_\_\_\_ PAGE \_\_\_\_\_

SECTION SUMMARY:

SW1/4, SECTION 35, T05N, R12E,  
TOWN OF ALBION, DANE COUNTY,  
WISCONSIN.

BEARINGS REFERENCED TO GRID NORTH AS BASED  
ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE, NAD 83 (2011), CGF = 0.99994735



*Stephon J. Faulkes*  
Stephon J.  
Faulkes  
S 1942  
Arona,  
WI  
LAND SURVEYOR  
5/12/2018

N 1/4 CORNER  
SECTION 35,  
T05N, R12E,  
ALBION TWP.  
2" IRON PIPE  
N=315666.7800  
E=2225007.2140

N00°48'37"W 2637.01'

N00°48'37"W 2546.41'

N00°48'37"W 2630.80'

W 1/4 CORNER  
SECTION 35,  
T05N, R12E,  
ALBION TWP.  
ALUMINUM MONUMENT  
N=312992.7180  
E=2222401.6670

N89°11'17"E 2643.24'

1321.62'

N89°11'17"E 2659.17'

330.41'

E 1/4 CORNER  
SECTION 35,  
T05N, R12E,  
ALBION TWP.  
ALUMINUM MONUMENT  
N=313067.8500  
E=2227703.2640

NW - SW

N00°56'43"W 1321.57'

W1/4,  
NE-SW

S00°54'41"E 1322.28'

NE - SW

329.63'

N89°14'30"E 1318.51'

N89°14'30"E 1318.51'

SW - SW

N00°56'43"W 1321.91'

SE - SW

SW CORNER  
SECTION 35,  
T05N, R12E,  
ALBION TWP.  
CONCRETE MONUMENT  
N=310351.8240  
E=2222451.4690

N89°17'44"E 2630.80'

S 1/4 CORNER  
SECTION 35,  
T05N, R12E,  
ALBION TWP.  
CONCRETE MONUMENT  
N=310384.1654  
E=2225081.9290

DANE COUNTY CERTIFIED SURVEY MAP NO. \_\_\_\_\_

VOLUME \_\_\_\_\_

PART OF THE W1/4 OF THE NE1/4 OF THE SW1/4 OF SECTION 35,  
TOWNSHIP 05 NORTH, RANGE 12 EAST OF THE 4th  
PRINCIPAL MERIDIAN, TOWN OF ALBION,  
DANE COUNTY, WISCONSIN.

PAGE \_\_\_\_\_

SURVEYOR'S CERTIFICATE:

I, STEPHEN J. FAULKES, PROFESSIONAL LAND SURVEYOR IN THE STATE OF WISCONSIN, DO HEREBY CERTIFY THAT BY THE ORDER OF WISCONSIN POWER AND LIGHT COMPANY, I HAVE SURVEYED, MONUMENTED AND MAPPED PART OF THE WEST 1/4 OF THE NE1/4 OF THE SW1/4, OF SECTION 35, TOWNSHIP 05 NORTH, RANGE 12 EAST OF THE 4th PRINCIPAL MERIDIAN, TOWN OF ALBION, DANE COUNTY, WISCONSIN DESCRIBED AS FOLLOWS:

COMMENCING AT THE WEST 1/4 CORNER OF SAID SECTION 35;  
THENCE N89°11'17"E ALONG THE NORTH LINE OF THE SW1/4, 1321.62 FEET TO THE POINT-OF-BEGINNING;  
THENCE CONTINUE N89°11'17"E ALONG SAID NORTH LINE 194.41 FEET;  
THENCE S02°13'55"E, 325.50 FEET;  
THENCE N89°13'57"E, 128.50 FEET;  
THENCE S00°54'41"E, 996.78 FEET TO THE SOUTH LINE OF THE NE1/4 OF THE SW1/4;  
THENCE S89°14'30"W ALONG SAID SOUTH LINE, 329.63 FEET TO THE SW CORNER OF SAID NE1/4 OF THE SW1/4;  
THENCE N00°56'43"W ALONG THE WEST LINE OF THE NE1/4 OF THE SW1/4, 1321.97' FEET TO THE POINT-OF-BEGINNING.  
SAID PARCEL CONTAINS 9.03 ACRES OR 393,241 SQ.FT. MORE OR LESS AND SUBJECT TO THE NORTH 33 FEET FOR PUBLIC ROAD PURPOSES AND AN ELECTRIC TRANSMISSION LINE LATTICE TOWER EASEMENT RECORDED IN VOLUME 95, PAGE 345 AS DOCUMENT NUMBER 526899.

I DO FURTHER CERTIFY THAT THIS SURVEY IS A TRUE AND CORRECT REPRESENTATION OF THE BOUNDARIES OF THE LAND SURVEYED AND THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF CHAPTER AE-7 OF THE WISCONSIN ADMINISTRATIVE CODE PERTAINING TO THE MINIMUM STANDARDS FOR PROPERTY SURVEYS, CHAPTER 236.34 OF THE WISCONSIN STATUTES PERTAINING TO CERTIFIED SURVEY MAPS AND CHAPTER 75.17 OF THE DANE COUNTY LAND DIVISION AND SUBDIVISION REGULATIONS IN SURVEYING AND MAPPING THE SAME TO THE BEST OF MY KNOWLEDGE AND BELIEF.



*Stephen J. Faulkes*  
STEPHEN J. FAULKES  
PROFESSIONAL LAND SURVEYOR NO. S-1942

DANE COUNTY APPROVAL:

APPROVED FOR RECORDING PER DANE COUNTY ZONING AND LAND REGULATION COMMITTEE

ACTION OF \_\_\_\_\_, 2018 BY \_\_\_\_\_

\_\_\_\_\_  
AUTHORIZED REPRESENTATIVE

ALBION TOWN BOARD CERTIFICATE:

APPROVED FOR RECORDING BY THE ALBION TOWN BOARD THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2018.

\_\_\_\_\_  
JULIE HANEWAL, CLERK



DANE COUNTY CERTIFIED SURVEY MAP NO. \_\_\_\_\_

VOLUME \_\_\_\_\_

PART OF THE W1/4 OF THE NE1/4 OF THE SW1/4 OF SECTION 35,  
TOWNSHIP 05 NORTH, RANGE 12 EAST OF THE 4th  
PRINCIPAL MERIDIAN, TOWN OF ALBION,  
DANE COUNTY, WISCONSIN.

PAGE \_\_\_\_\_

CORPORATE OWNER'S CERTIFICATE:

WISCONSIN POWER AND LIGHT COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN, AS OWNER, DOES HEREBY CERTIFY THAT SAID CORPORATION CAUSED THE LAND DESCRIBED ON THIS CERTIFIED SURVEY MAP TO BE SURVEYED, MONUMENTED, MAPPED AND DEDICATED AS REPRESENTED ON THE CERTIFIED SURVEY MAP. WE ALSO CERTIFY THAT THIS CERTIFIED SURVEY MAP IS REQUIRED BY CH. 75.17 (1) (a) OF THE DANE COUNTY CODE OF ORDINANCES TO BE SUBMITTED TO THE CITY OF EDGERTON, TOWN OF ALBION, AND THE DANE COUNTY ZONING AND LAND REGULATION COMMITTEE FOR APPROVAL OR OBJECTION:

IN WITNESS WHEREOF, THE SAID WISCONSIN POWER AND LIGHT COMPANY HAS CAUSED THESE PRESENTS TO BE SIGNED BY CRAIG HENDRICKS, TEAM LEAD, REAL ESTATE AND RIGHT OF WAY DEPARTMENT,

ON THIS 16 DAY OF MAY, 2018.

CRAIG HENDRICKS  
TEAM LEAD, REAL ESTATE AND RIGHT OF WAY



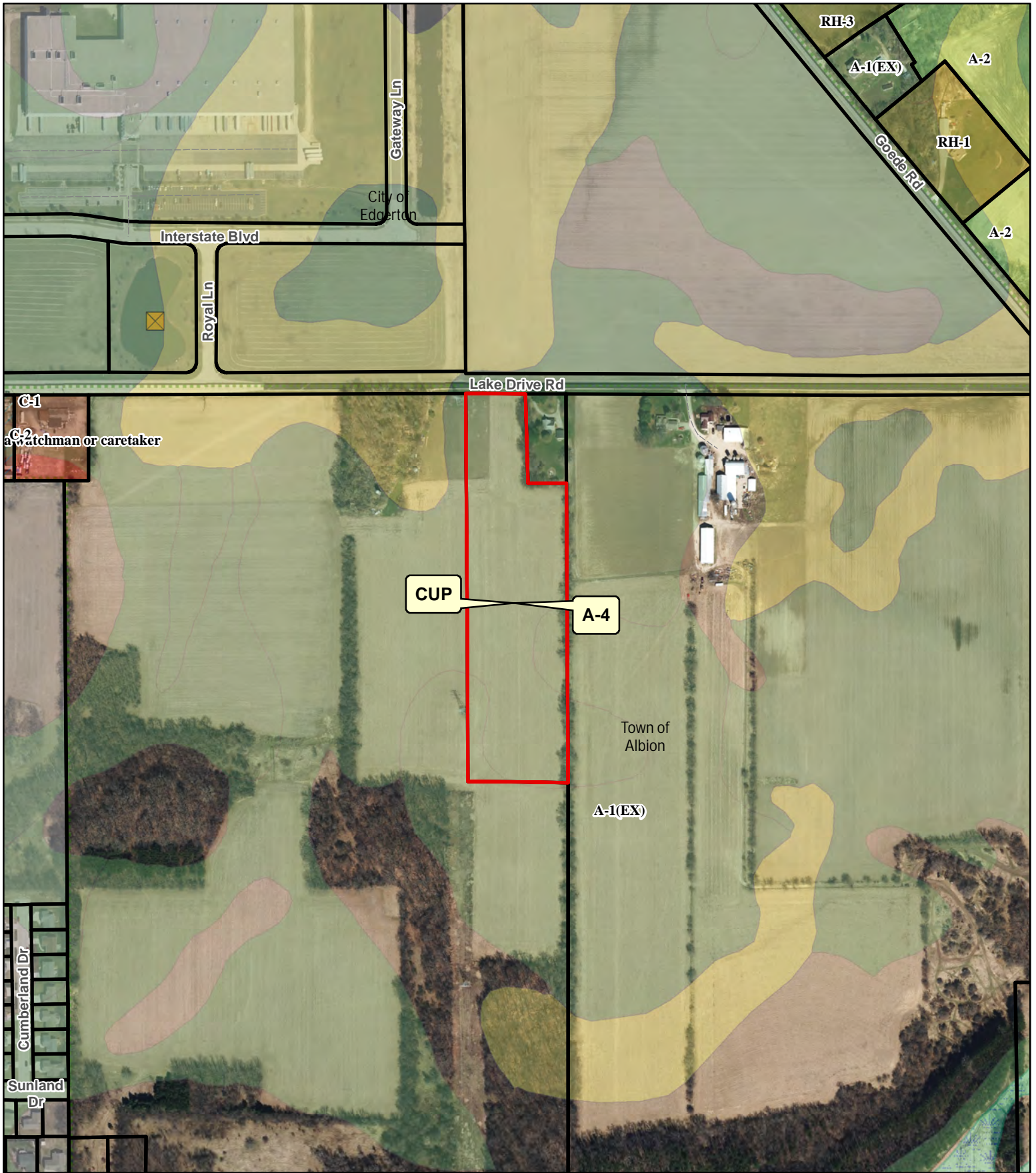
STATE OF WISCONSIN )  
                                  )ss.  
COUNTY OF DANE     )

PERSONALLY CAME BEFORE ME THIS 16 DAY OF MAY, 2018, CRAIG HENDRICKS OF THE ABOVE NAMED CORPORATION, TO ME KNOWN TO BE THE PERSON WHO EXECUTED THE FOREGOING INSTRUMENT AND ACKNOWLEDGED THAT HE EXECUTED THE FOREGOING INSTRUMENT ON BEHALF OF SAID CORPORATION, BY ITS AUTHORITY.

Jerome C. Lund  
NOTARY PUBLIC

6/15/18  
MY COMMISSION EXPIRES





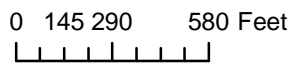


**Legend**

-  Wetland
-  Floodplain

**Significant Soils**

-  Class 1
-  Class 2



Petition 11311 /CUP 2428  
 WISCONSIN POWER &  
 LIGHT CO