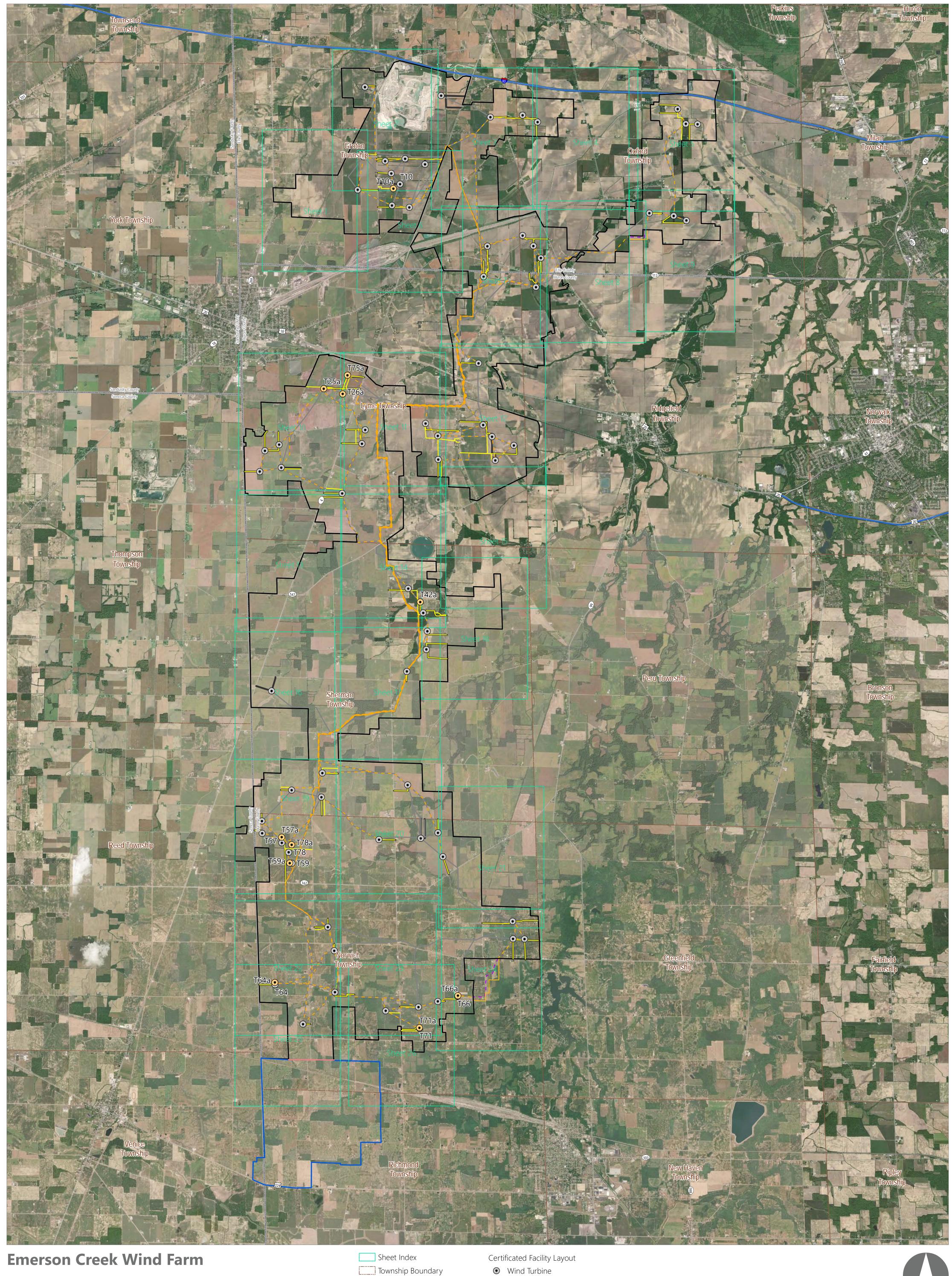
03-1 Aerial Photography

EDR

October 20, 2021





Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application



Township Boundary

County Boundary Amendment/Modification

• Wind Turbine

Collection Line Outside

Certificated Project Area

Access Road

Project Area

Modification/Engineering Design Shift Project Area Removed --- Collection Line

—— Collection Line

— Access Road

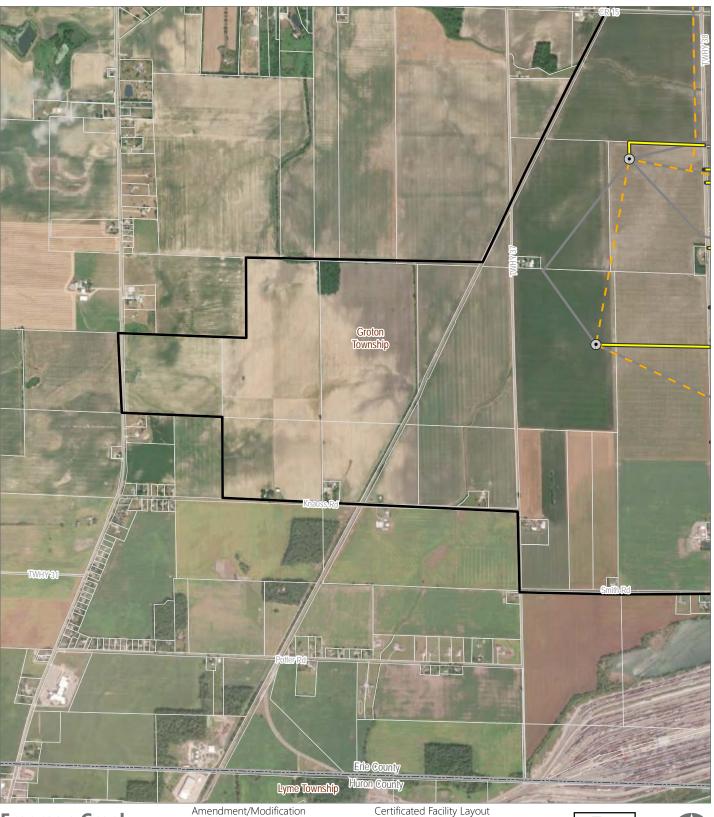
— Unchanged Collection Line

— Unchanged Access Road —— Project Area Reduction

Project Area



Sheet 1 of 26





Erie and Huron Counties, Ohio

EMERSON CREEK

Certificate Amendment Application

Modification/Engineering Design Shift Collection Line

Wind Turbine

Project Area Collection Line

Access Road

Unchanged Access Road Unchanged





Prepared October 20, 2021 Basemap:Esri ArcGIS Online "World Imagery" map service.

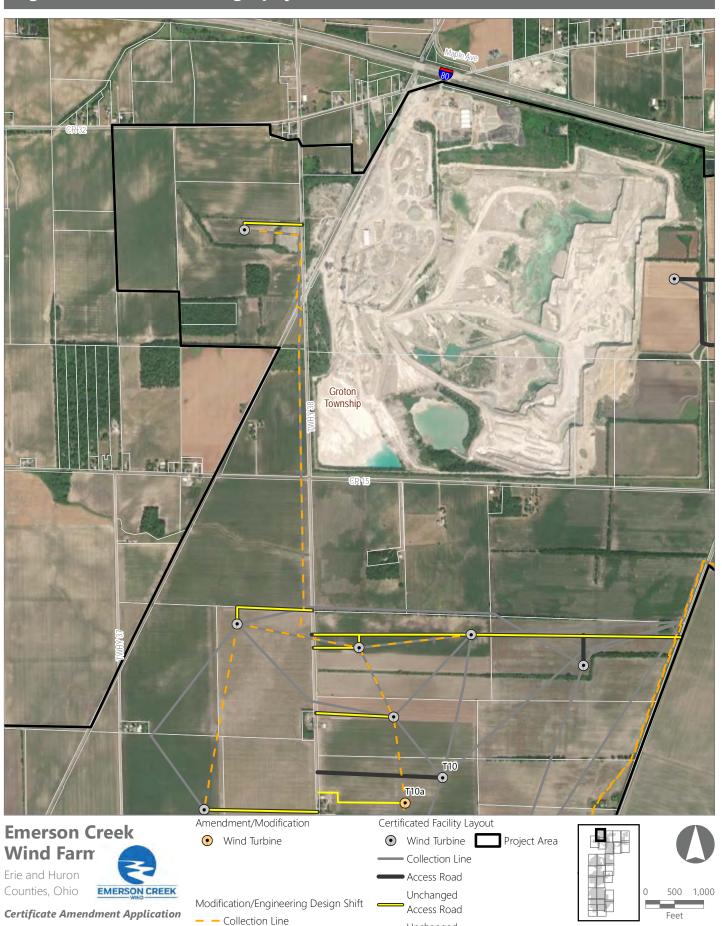
Access Road

Collection Line

Sheet 2 of 26

Prepared October 20, 2021

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Unchanged

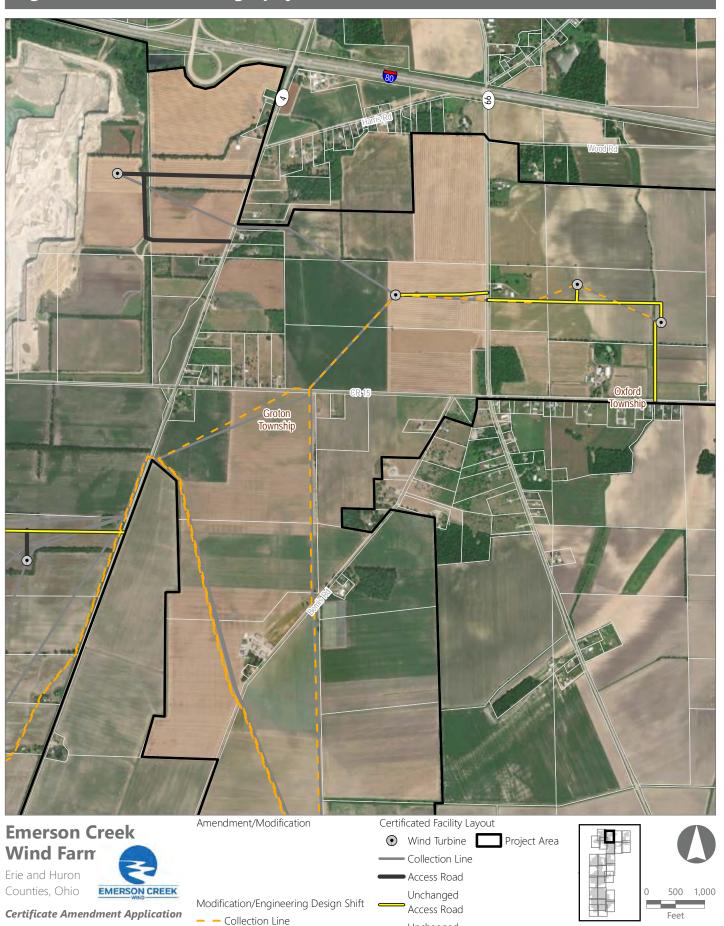
Collection Line

Access Road

Sheet 3 of 26

Prepared October 20, 2021

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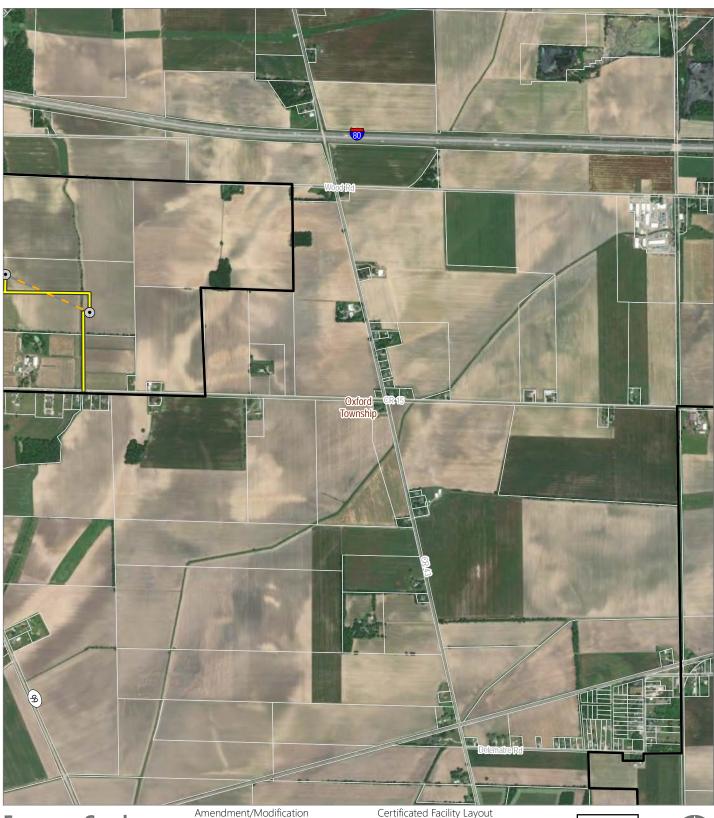


Unchanged

Collection Line

Access Road

Sheet 4 of 26





Erie and Huron Counties, Ohio

EMERSON CREEK

Certificate Amendment Application

Modification/Engineering Design Shift Collection Line

Access Road

Certificated Facility Layout

Project Area

Wind Turbine

Collection Line

Access Road

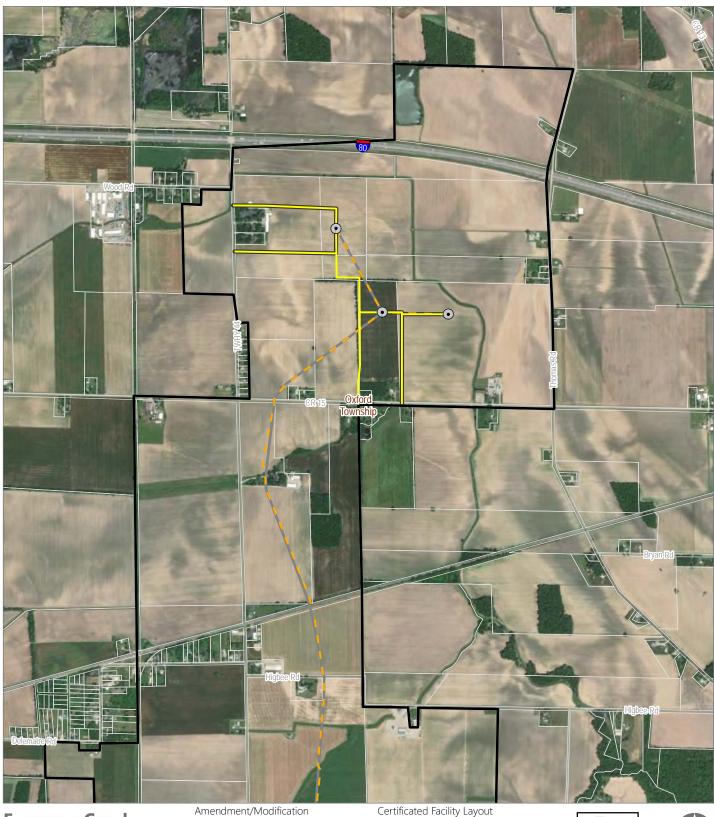
Unchanged Access Road

Unchanged Collection Line





Sheet 5 of 26





Erie and Huron Counties, Ohio



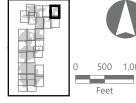
Certificate Amendment Application

Modification/Engineering Design Shift

Collection LineAccess Road

Wind Turbine Project Area
 Collection Line
 Access Road
 Unchanged

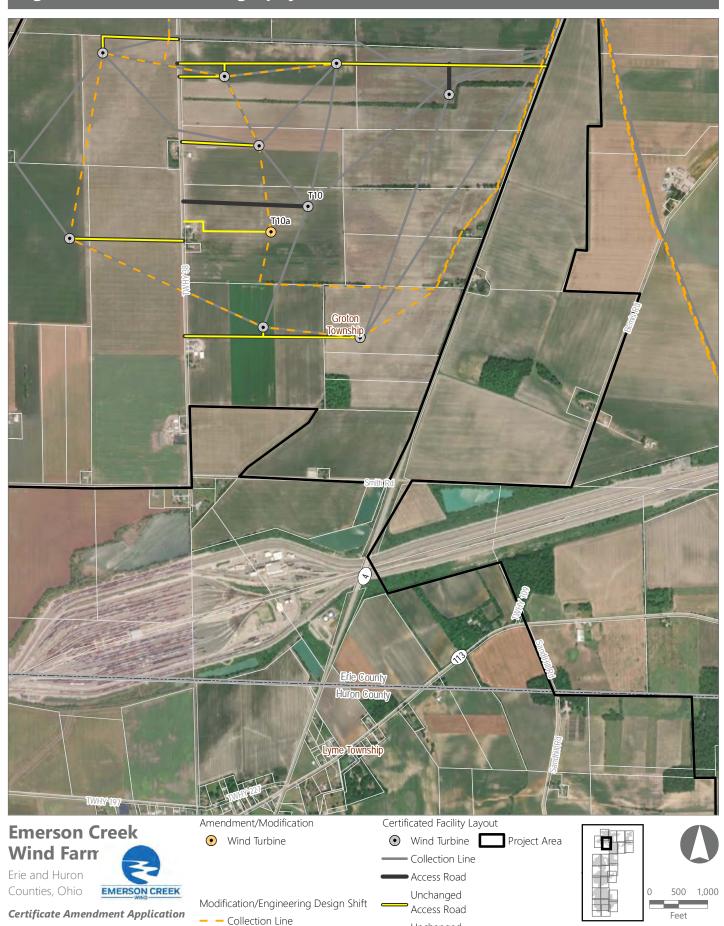




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Prepared October 20, 2021

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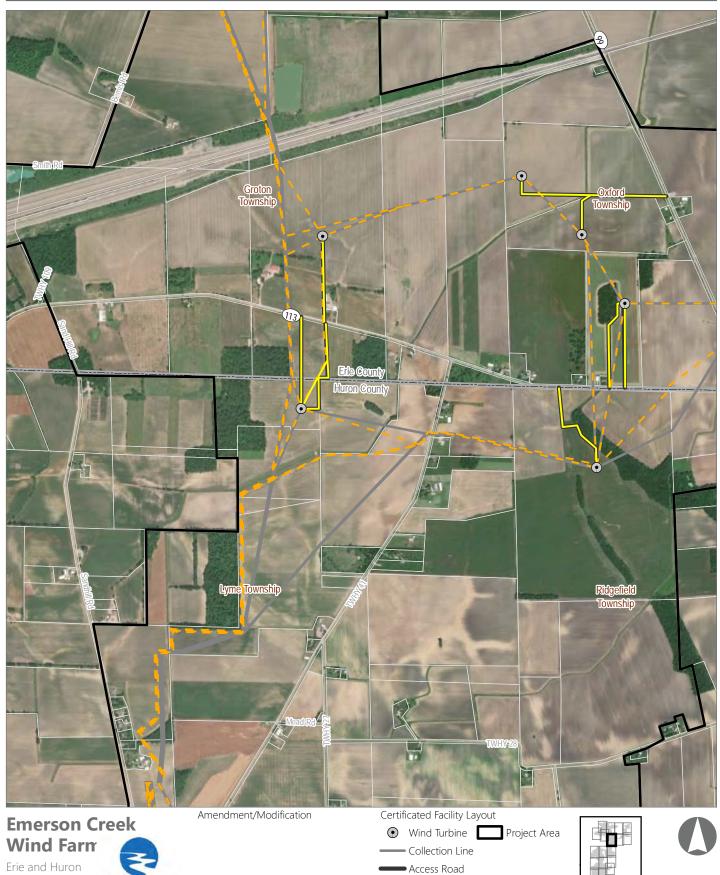


Unchanged

Collection Line

Access Road

Sheet 7 of 26



Counties, Ohio EMERSON CREEK **Certificate Amendment Application**

Modification/Engineering Design Shift

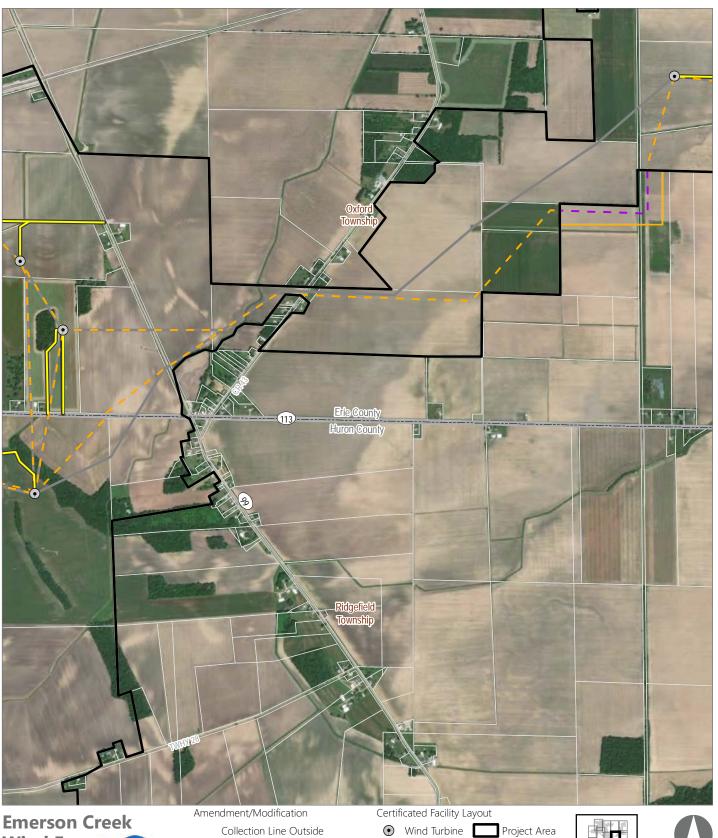
Access Road

Collection Line

Access Road Unchanged Collection Line

Unchanged

Sheet 8 of 26





Counties, Ohio

Certificate Amendment Application

EMERSON CREEK

Modification/Engineering Design Shift Collection Line

Certificated Project Area

Access Road

Project Area

Wind Turbine

Collection Line

Access Road

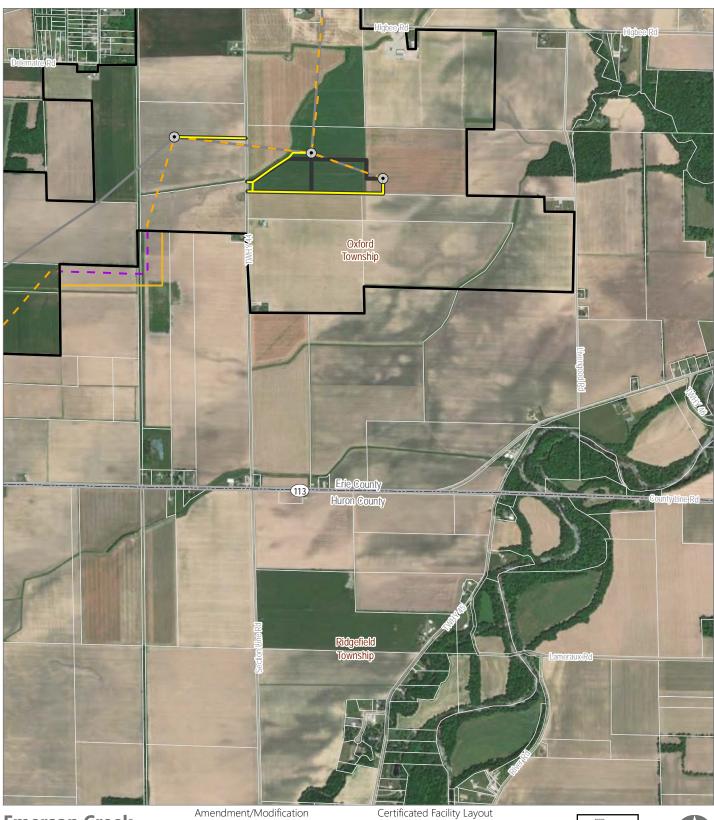
Unchanged Access Road Unchanged

Collection Line





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Erie and Huron Counties, Ohio

EMERSON CREEK

Certificate Amendment Application

Collection Line Outside Certificated Project Area

Project Area

Modification/Engineering Design Shift

Collection Line

Access Road

Wind Turbine

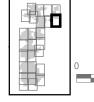
Project Area

Collection Line

Access Road

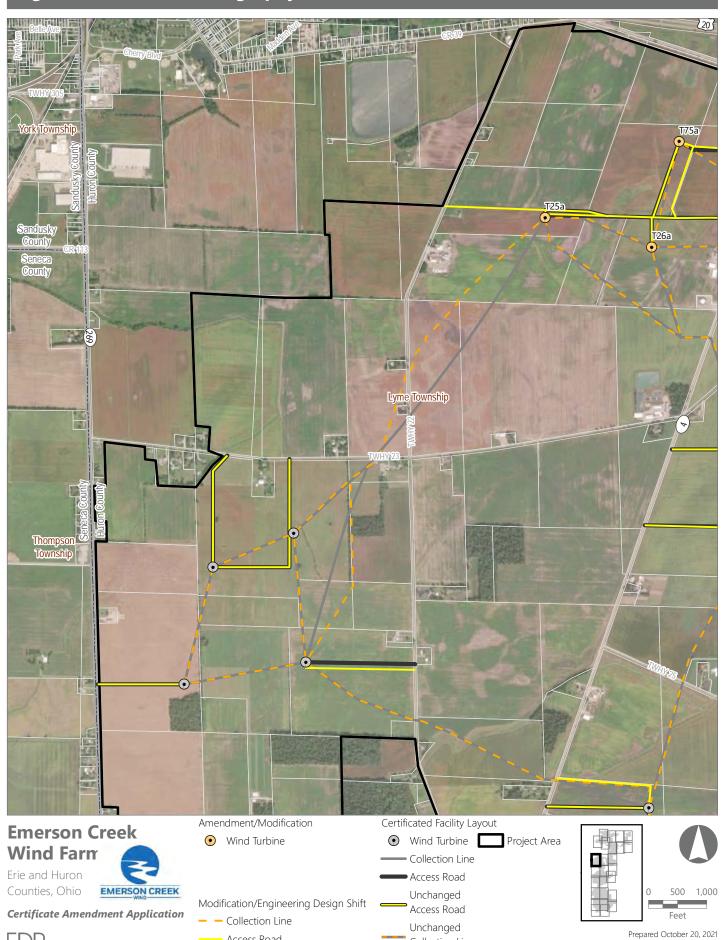
Unchanged Access Road Unchanged

Collection Line





Sheet 10 of 26

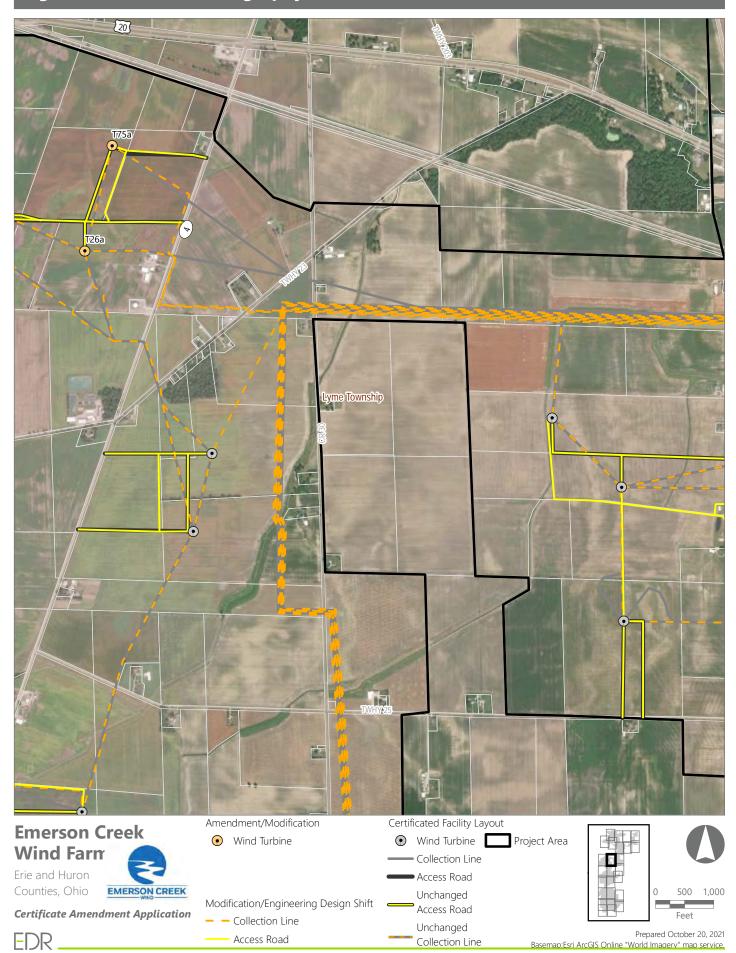


Collection Line

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Access Road

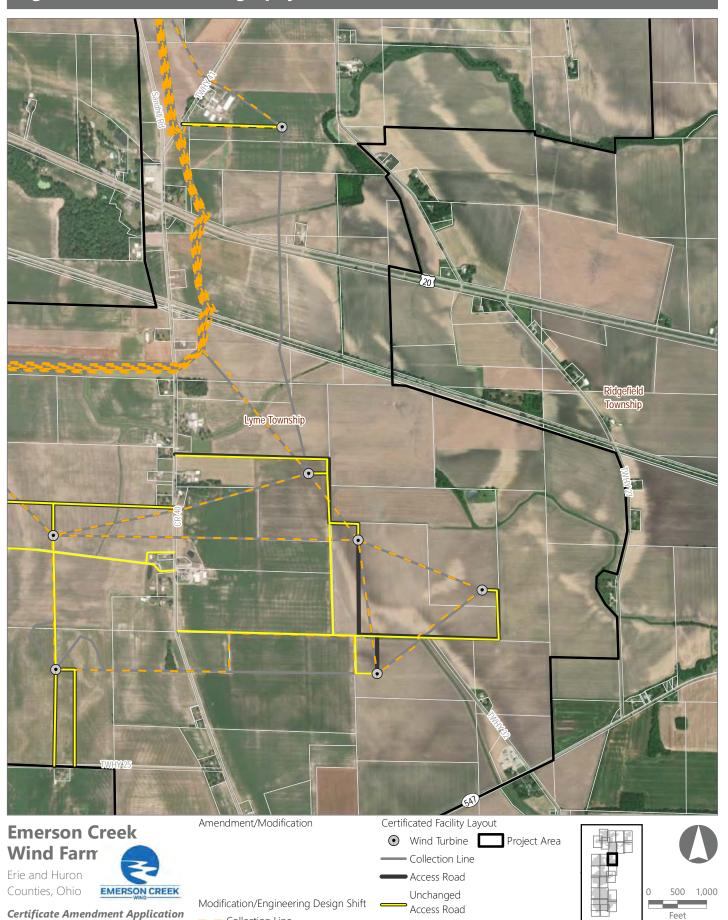
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Sheet 12 of 26

Prepared October 20, 2021

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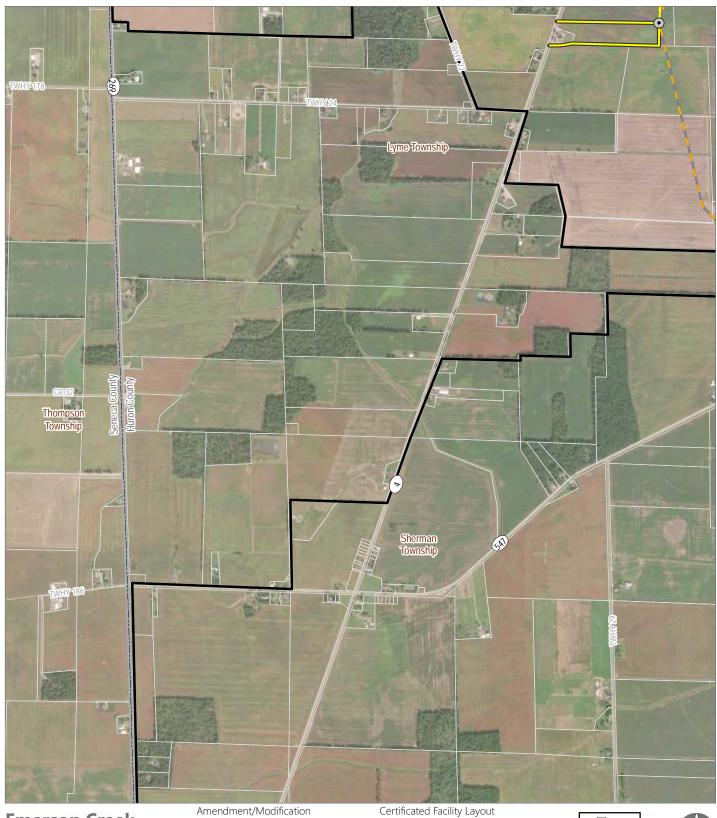
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Collection Line

Collection Line

Access Road

Sheet 13 of 26





Erie and Huron Counties, Ohio



Certificate Amendment Application

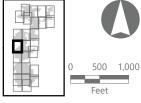
Access Road

Modification/Engineering Design Shift Collection Line

Access Road

Wind Turbine Project Area Collection Line Unchanged

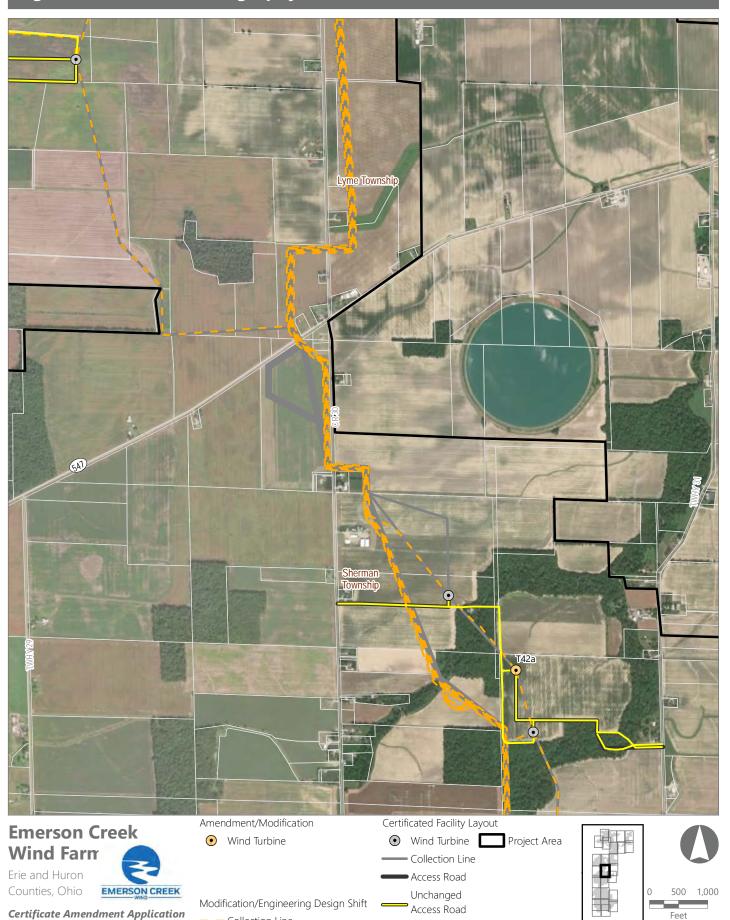




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Prepared October 20, 2021

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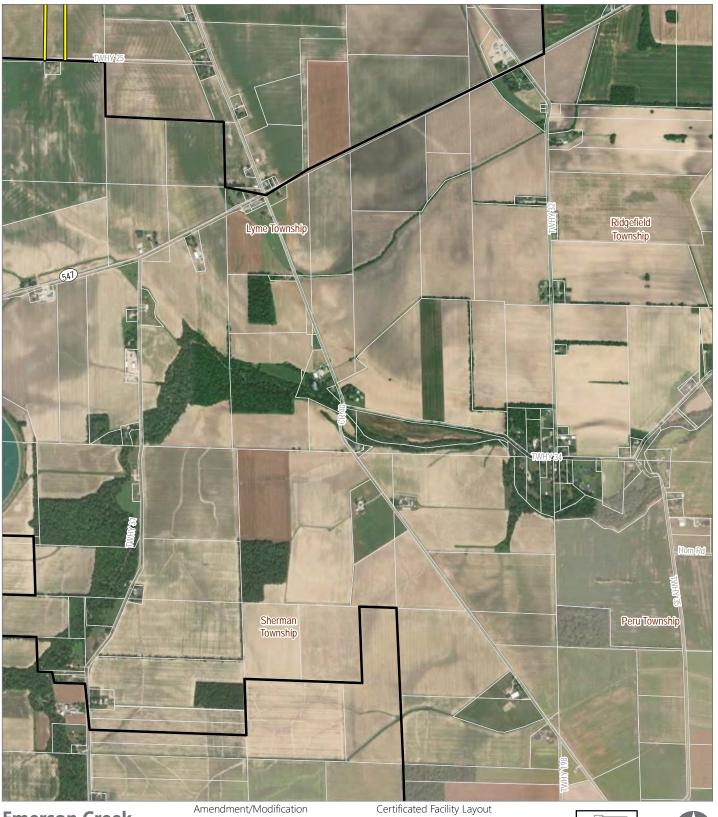
Unchanged

Collection Line

Collection Line

Access Road

Sheet 15 of 26



Emerson Creek Wind Farm

Erie and Huron Counties, Ohio EMERSON CREEK

Certificate Amendment Application

Modification/Engineering Design Shift
—— Access Road

Access Road



Unchanged
Access Road
Unchanged

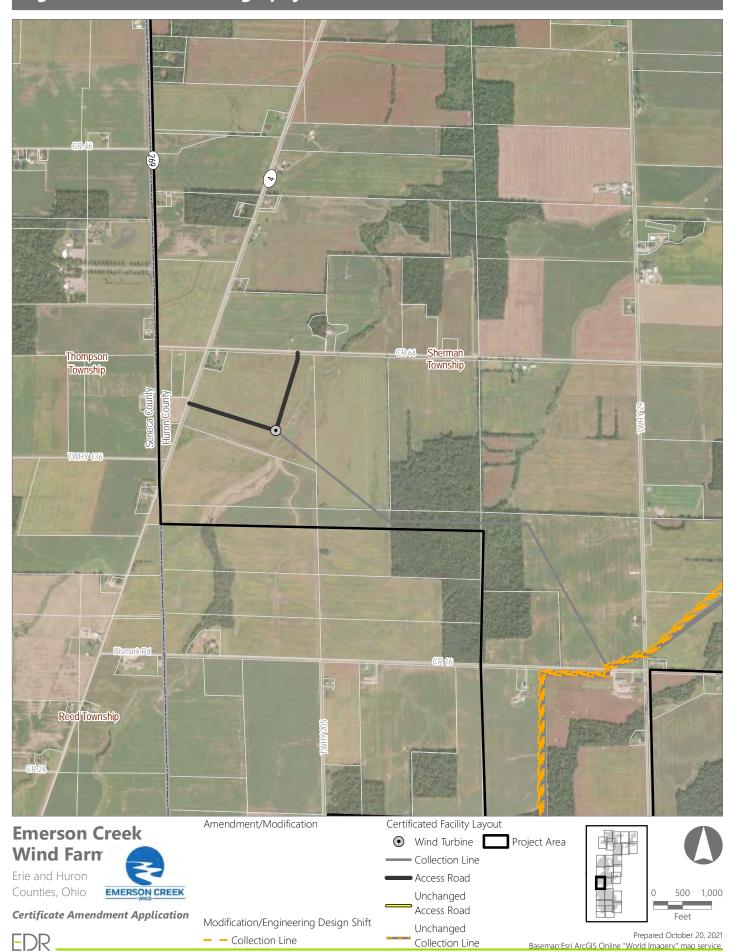
Collection Line



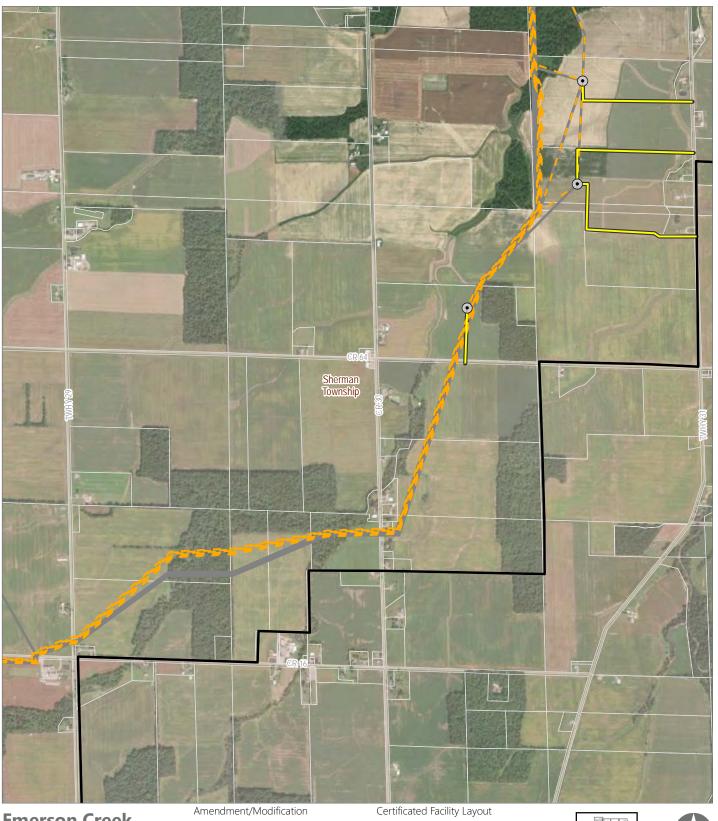


Prepared October 20, 2021

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Sheet 17 of 26





Erie and Huron Counties, Ohio

EMERSON CREEK

Certificate Amendment Application

Modification/Engineering Design Shift

 Collection Line Access Road

Wind Turbine

Project Area Collection Line

Access Road

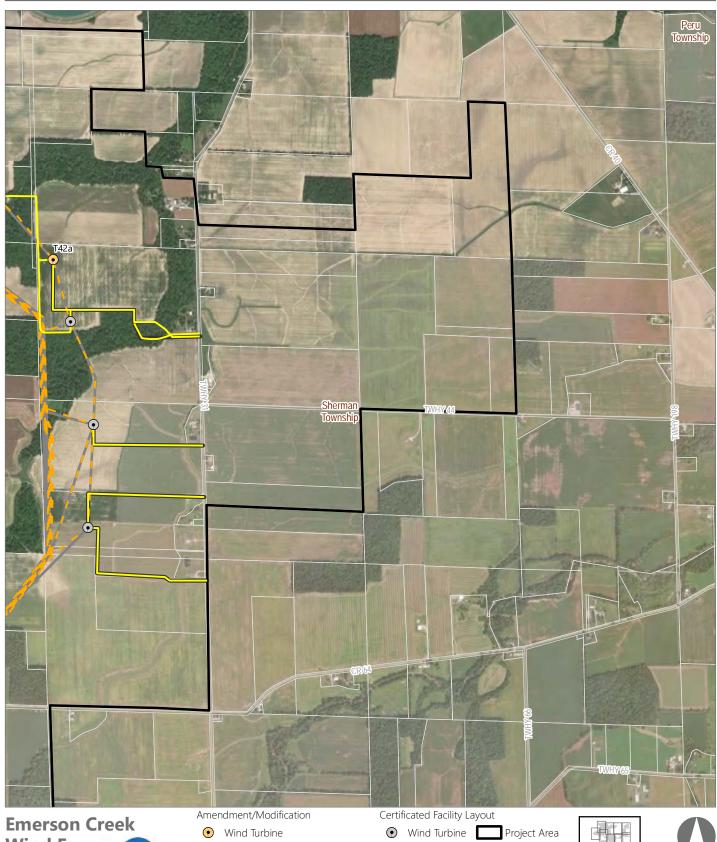
Unchanged Access Road

Unchanged Collection Line





Sheet 18 of 26





Counties, Ohio

Certificate Amendment Application

Modification/Engineering Design Shift Collection Line

Access Road

Collection Line

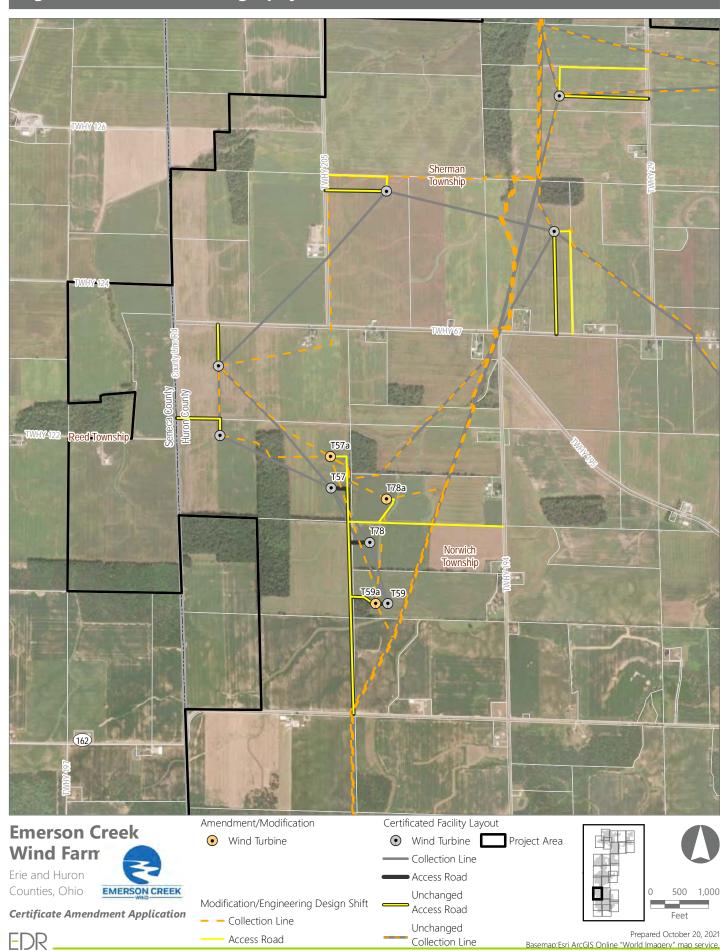
Access Road

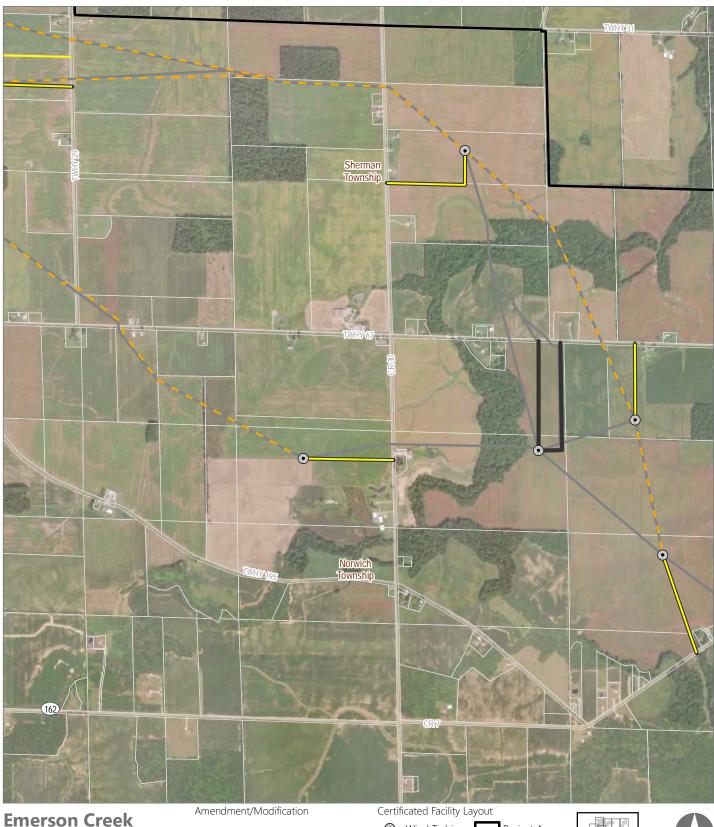
Unchanged Access Road

Unchanged Collection Line

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Wind Farm Erie and Huron

Counties, Ohio

EMERSON CREEK

Certificate Amendment Application

Modification/Engineering Design Shift

 Collection Line Access Road

Wind Turbine Project Area Collection Line

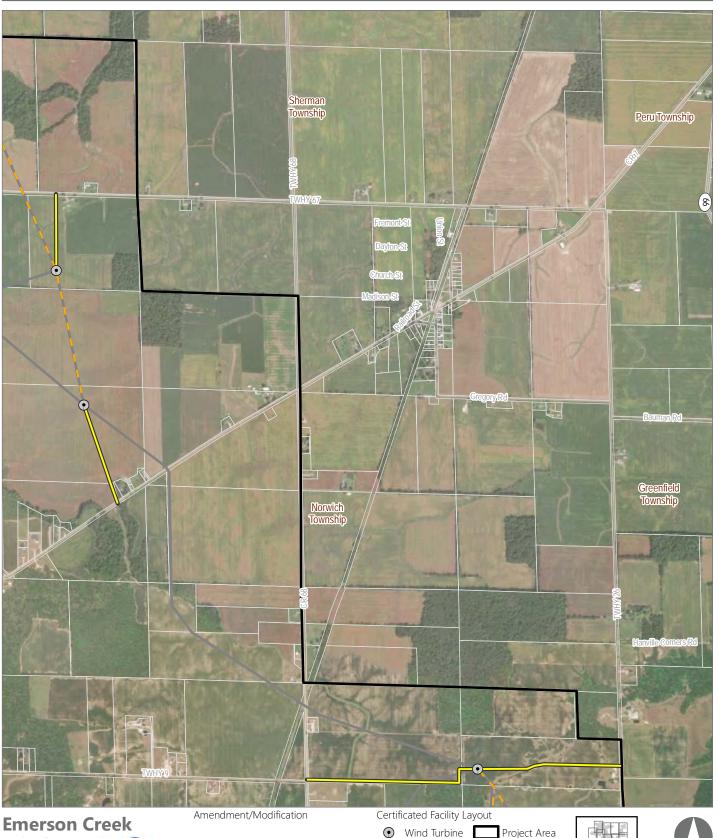
Access Road Unchanged

Access Road Unchanged

Collection Line



Sheet 21 of 26





Erie and Huron Counties, Ohio

EMERSON CREEK

Modification/Engineering Design Shift **Certificate Amendment Application**

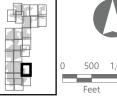
Collection Line

Access Road

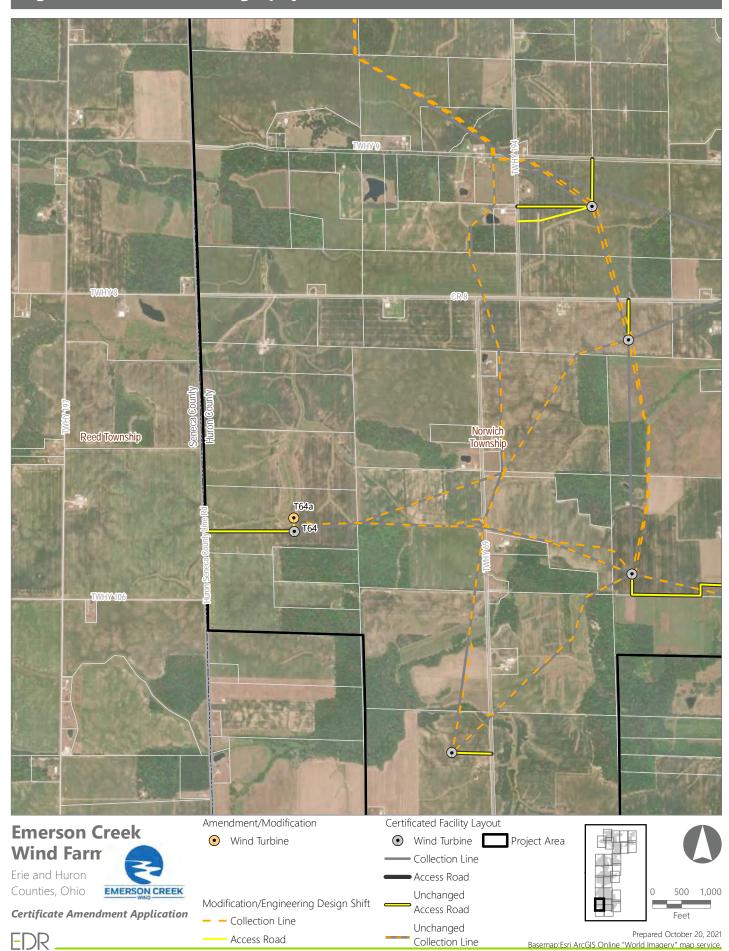
Wind Turbine Project Area Collection Line



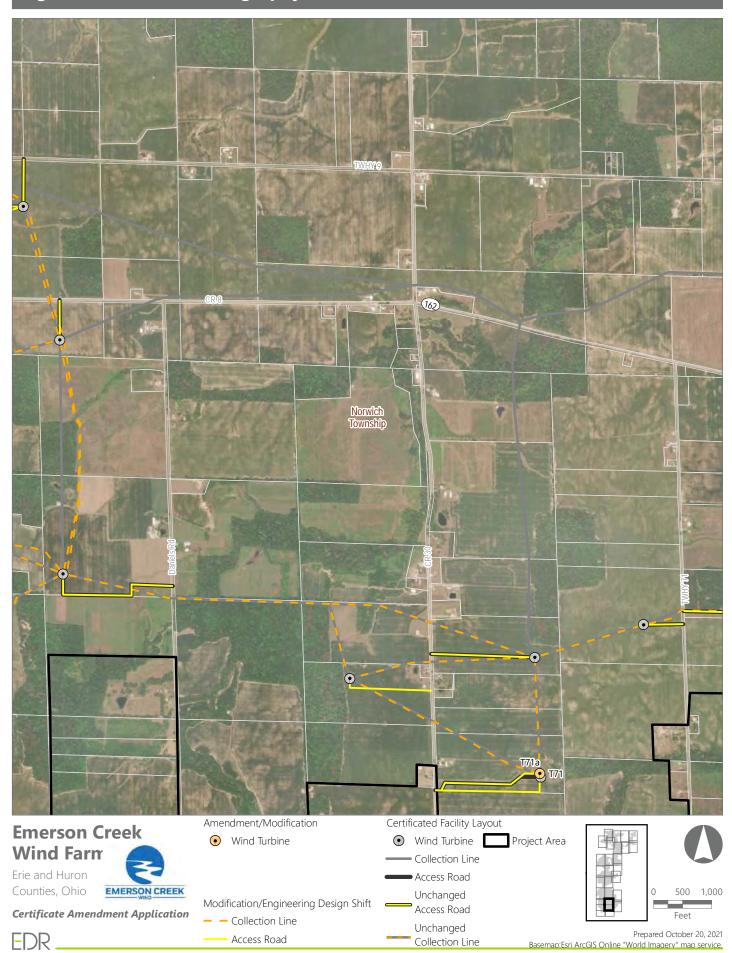
Collection Line



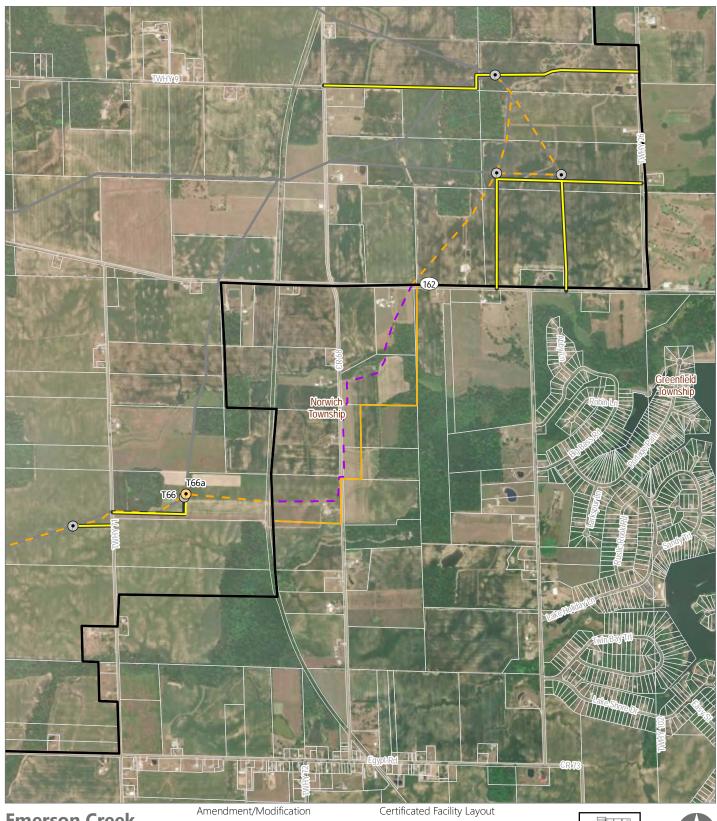
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Sheet 23 of 26



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Erie and Huron Counties, Ohio EMERSON CREEK

Certificate Amendment Application

• Wind Turbine

Collection Line Outside Certificated Project Area

Project Area Modification/Engineering Design Shift

 Collection Line Access Road

Wind Turbine Project Area Collection Line

Access Road

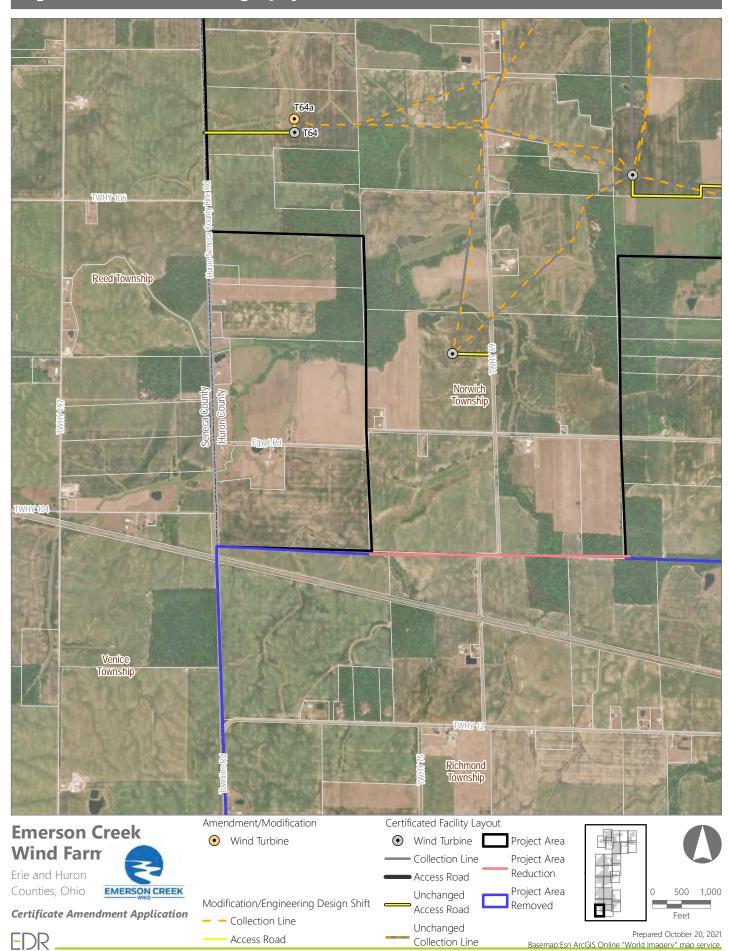
Unchanged Access Road

Unchanged Collection Line





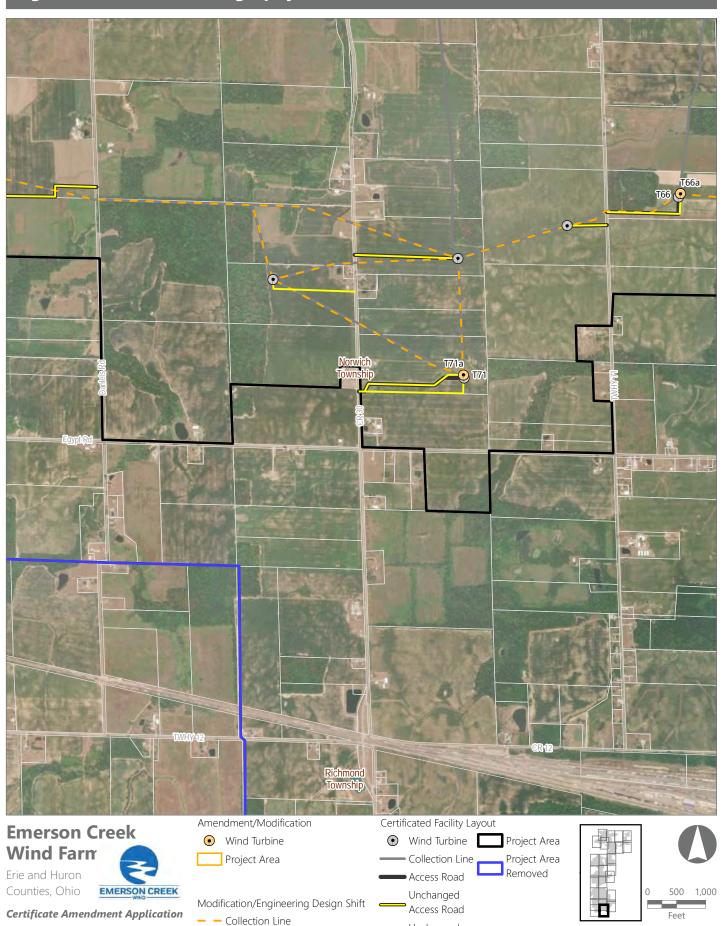
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Basemap:Esri ArcGIS Online "World Imagery" map service.



Unchanged

Collection Line

Access Road

08-1 Delineated Resources

EDR

October 21, 2021







Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - - Collection Line

Access Road

Certificated Layout

△ Met Tower

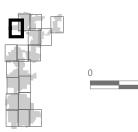
• Wind Turbine

 Collection Line Access Road

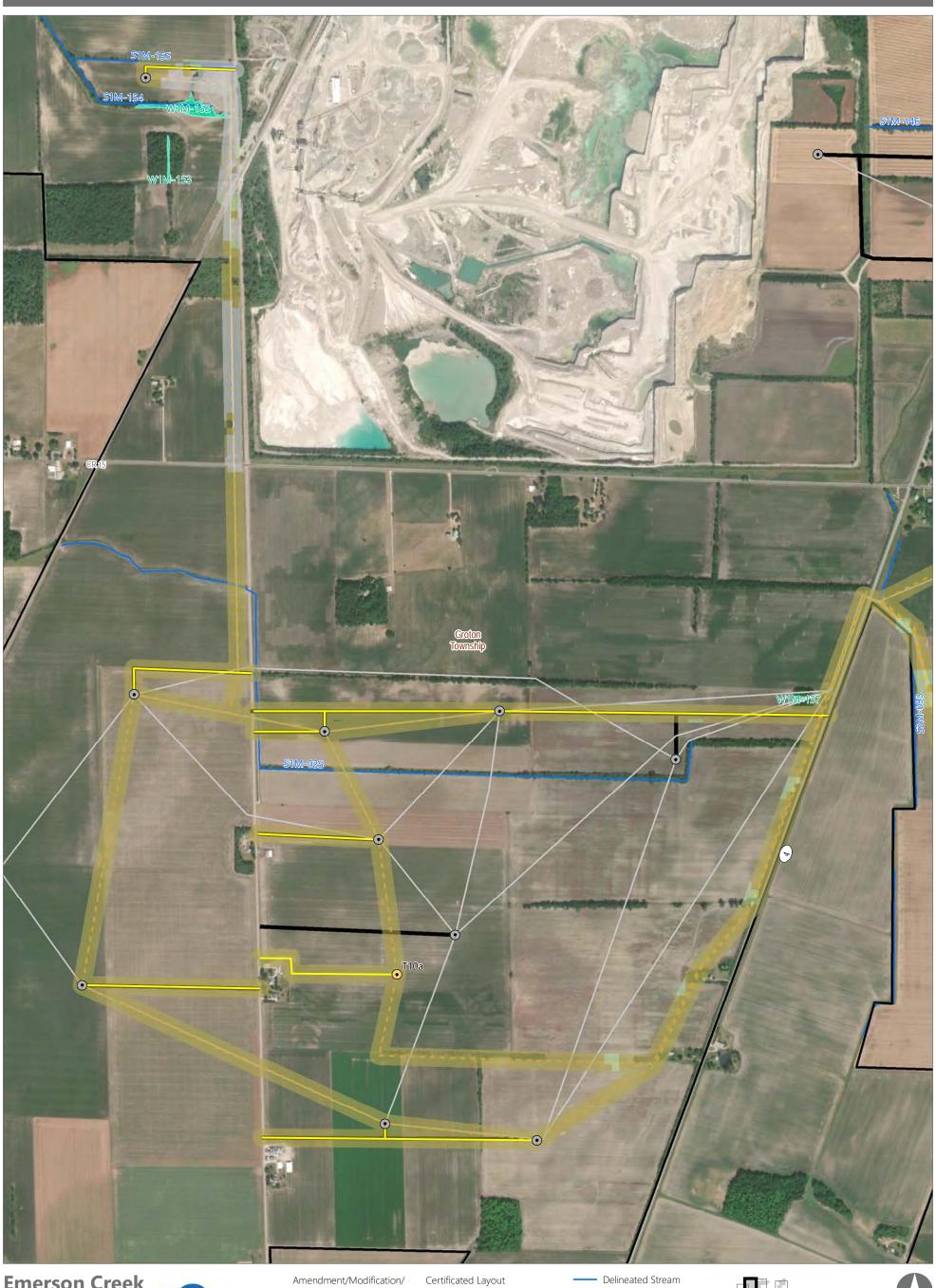
Project Area

Delineated Stream Vegetative Community

Agriculture/Open Areas







EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

EDR_

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine

- - - Collection Line ---- Access Road

Wind Turbine

Collection Line Access Road

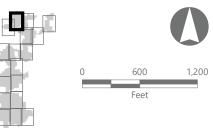
Project Area

- Delineated Stream

Delineated Wetland

Vegetative Community Barren

Agriculture/Open Areas Non-forested Wetland







Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - Collection Line

Access Road

nift •

Certificated Layout

Wind TurbineCollection Line

Access Road

Project Area

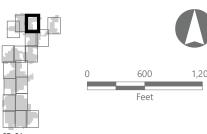
Delineated Stream

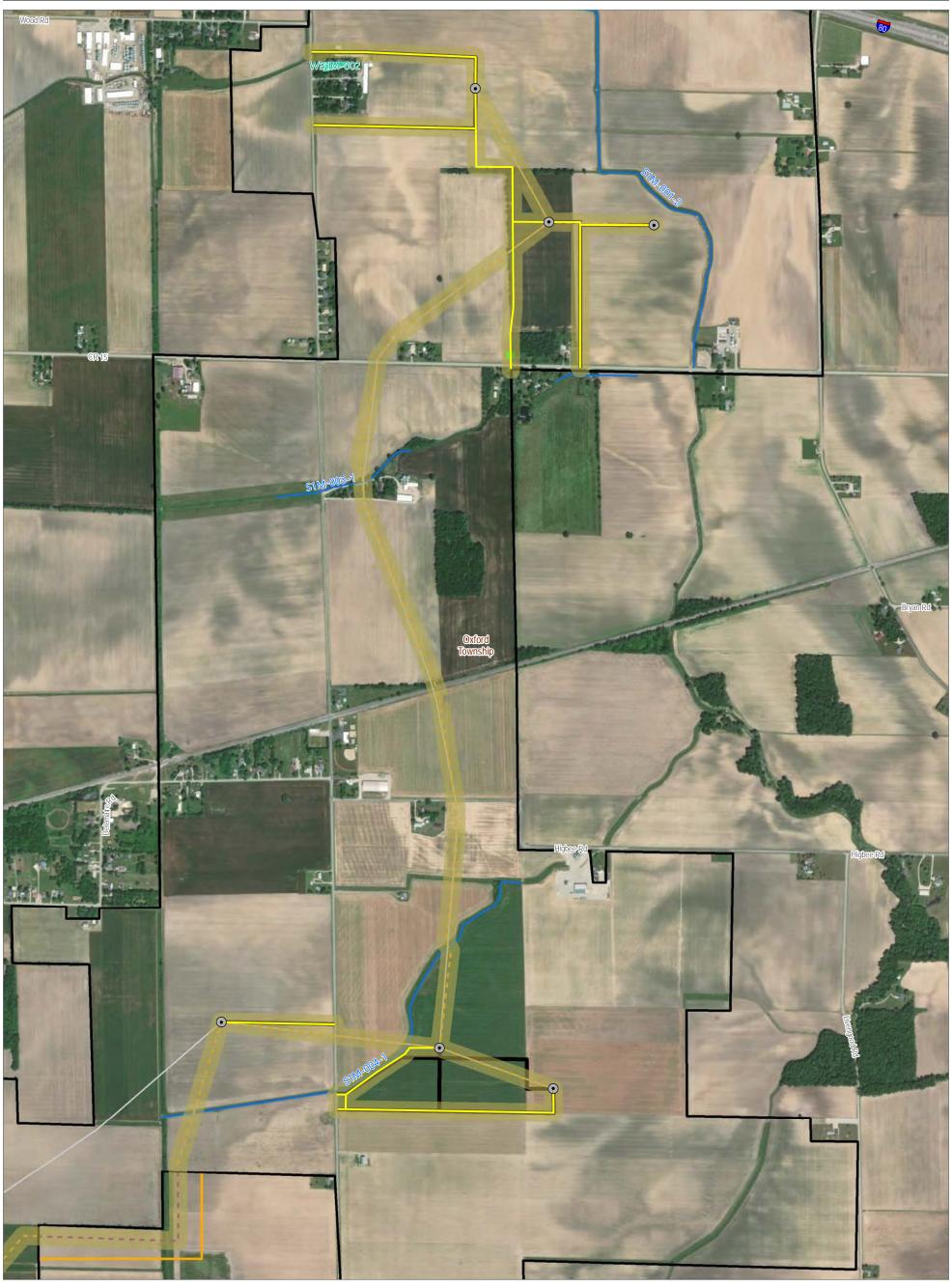
Delineated Wetland

Vegetative Community

Agriculture/Open Areas

Non-forested Wetland
Open Water





EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

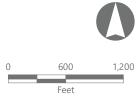
Amendment/Modification/ Engineering Design Shift

- - Collection Line
- Collection Line Outside Project Area
- Access Road

Project Area

- Certificated Layout • Wind Turbine
- Collection Line
- Access Road Project Area
- Delineated Stream
- Delineated Wetland
- Vegetative Community
- Agriculture/Open Areas
- Wooded









Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - - Collection Line Access Road

Certificated Layout Wind Turbine

- Collection Line Access Road

Collection Substation

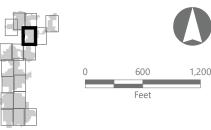
Project Area

Delineated Stream Delineated Wetland

Vegetative Community

Agriculture/Open Areas

Wooded Non-forested Wetland Open Water



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Erie, Huron, and Seneca Counties, Ohio

EDR _

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - Collection Line

Collection Line

Outside Project Area - Access Road

Project Area

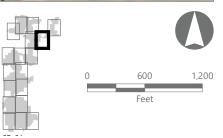
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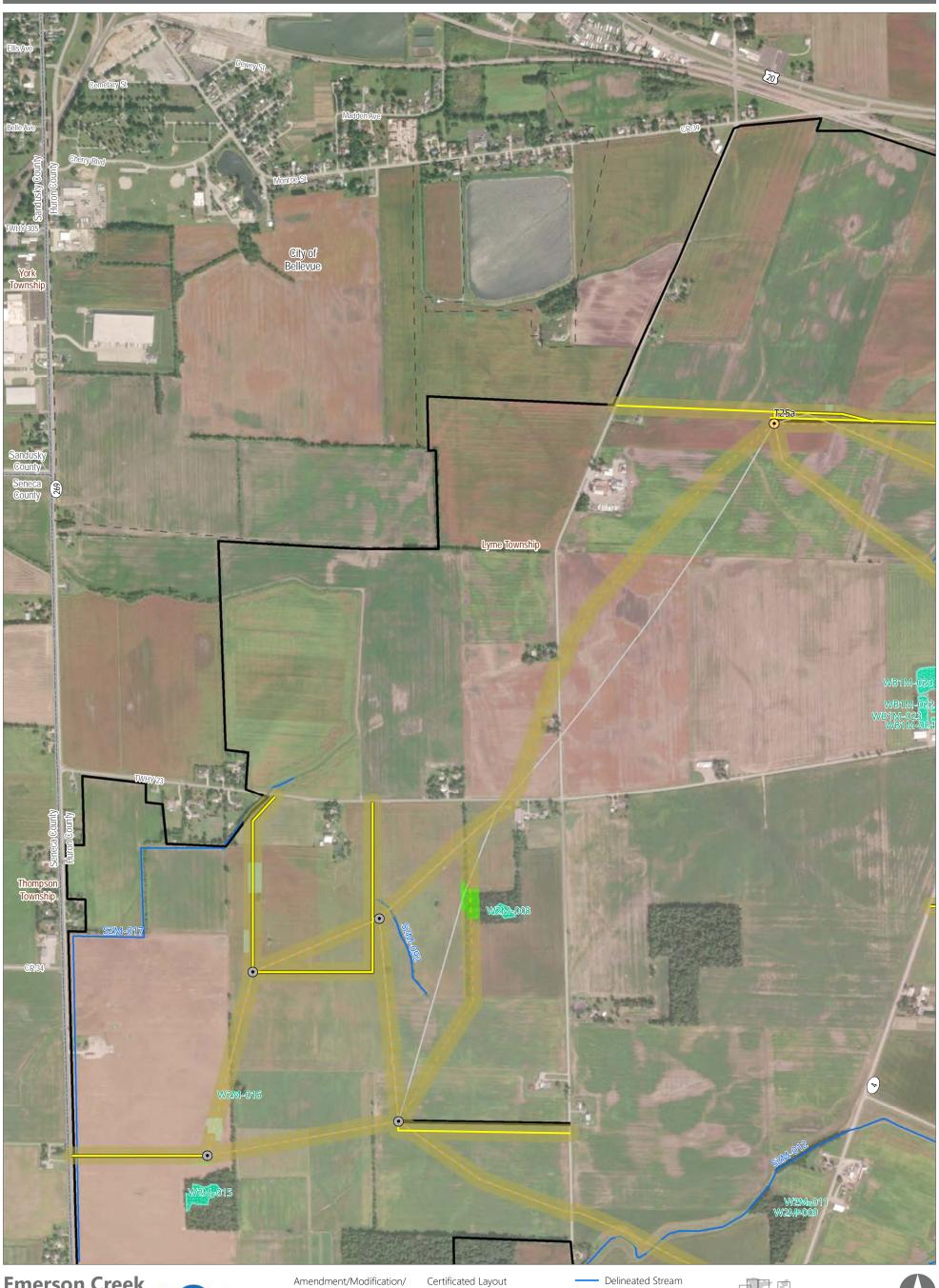
Wind Turbine Collection Line

Access Road Project Area

Belineated Wetland Vegetative Community









Erie, Huron, and Seneca Counties, Ohio

EDR_

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine

- - · Collection Line Access Road

Wind Turbine - Collection Line

Access Road

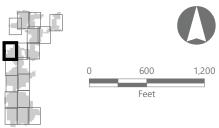
Project Area

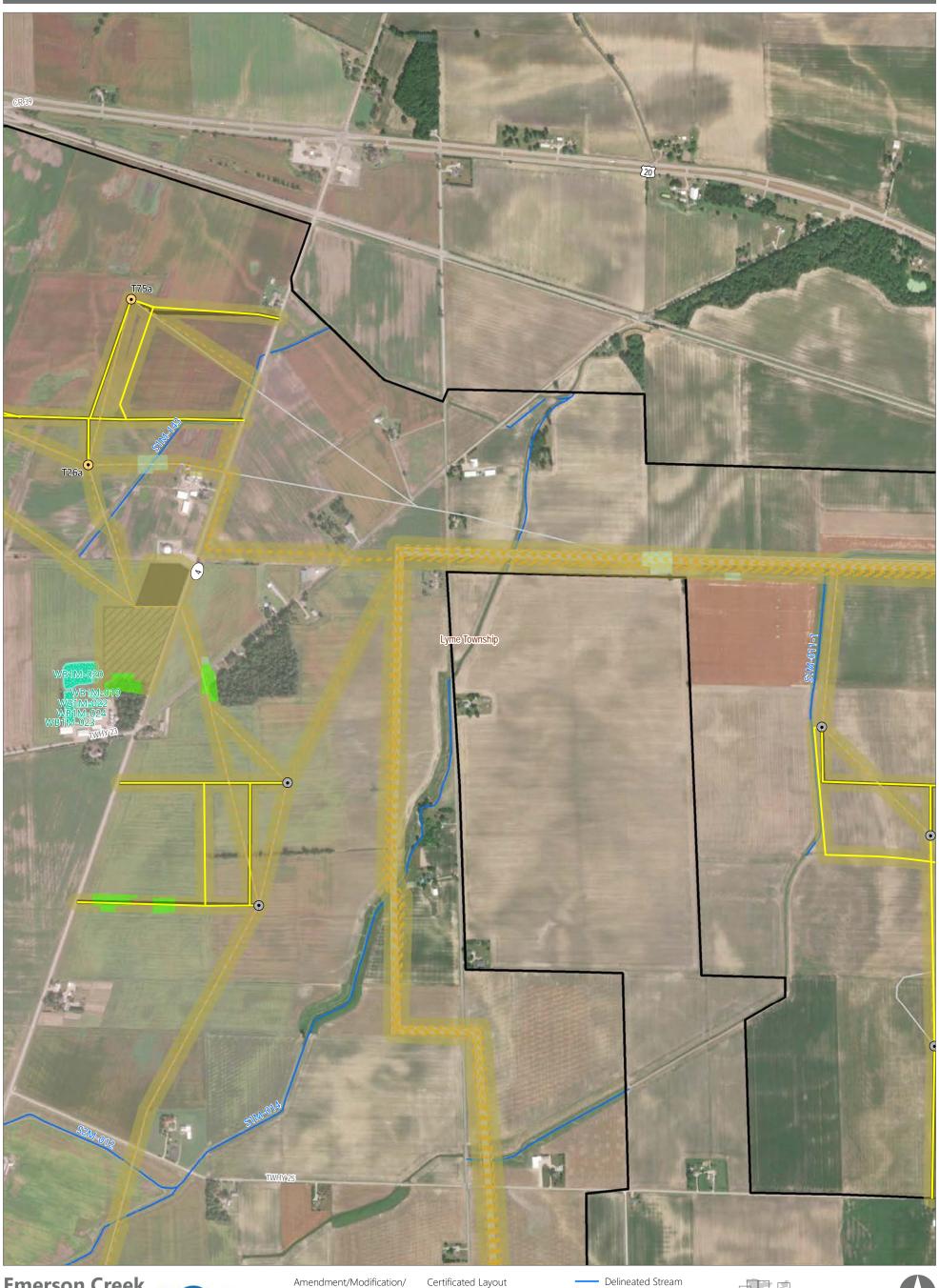
Delineated Wetland Vegetative Community

Wooded

Agriculture/Open Areas

Non-forested Wetland







Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine

- - Collection Line

Access Road

Certificated Layout

Wind Turbine Collection Line

Access Road

ZZZ Laydown Yard O&M Building

Project Area

Wooded Non-forested Wetland

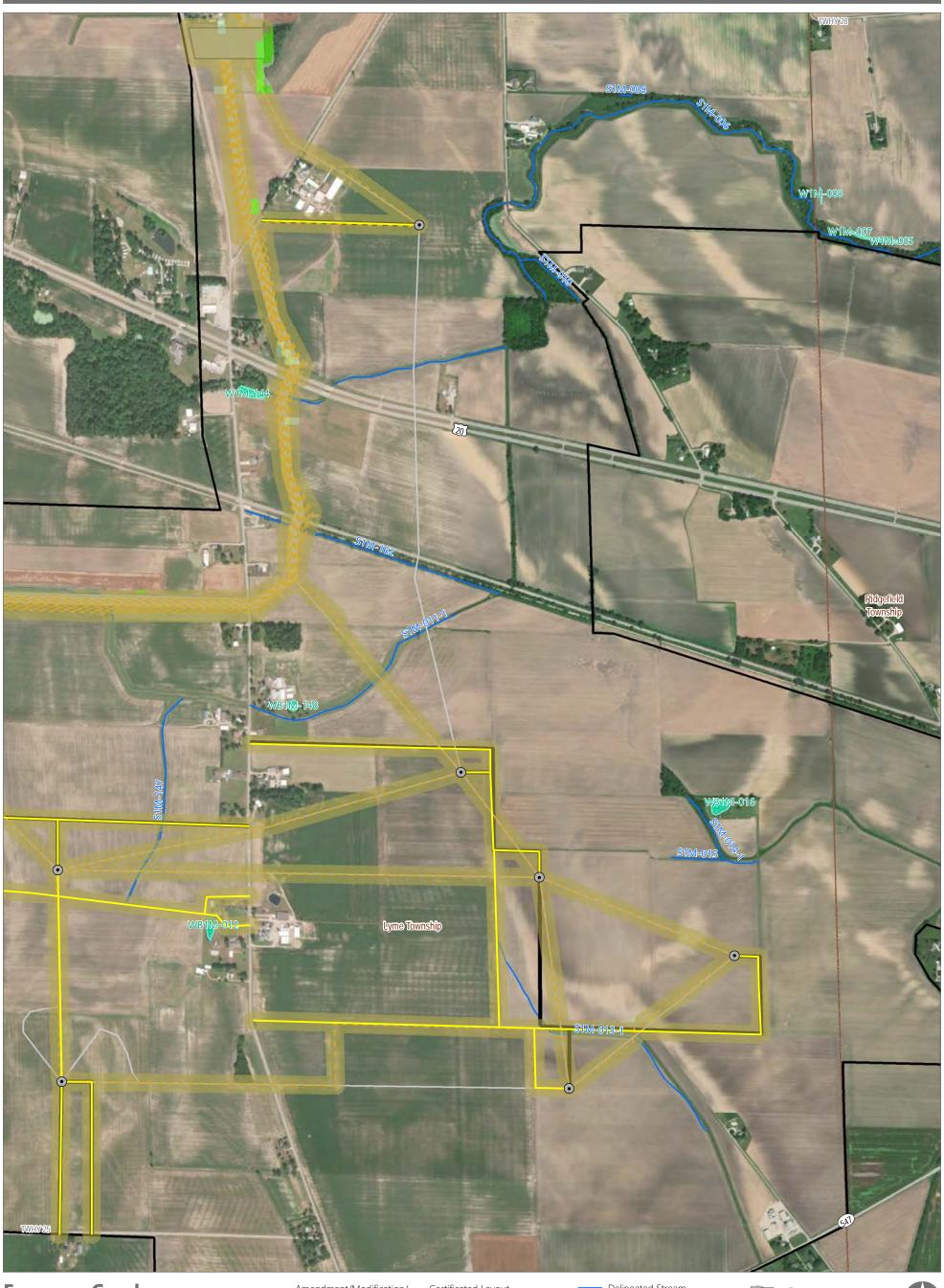
Vegetative Community

Delineated Wetland

Agriculture/Open Areas



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EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - Collection Line

- Access Road

Certificated Layout

Wind Turbine

Collection Line

Access Road

Collection Substation

Project Area

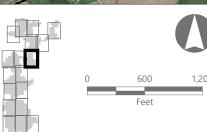
Delineated Stream

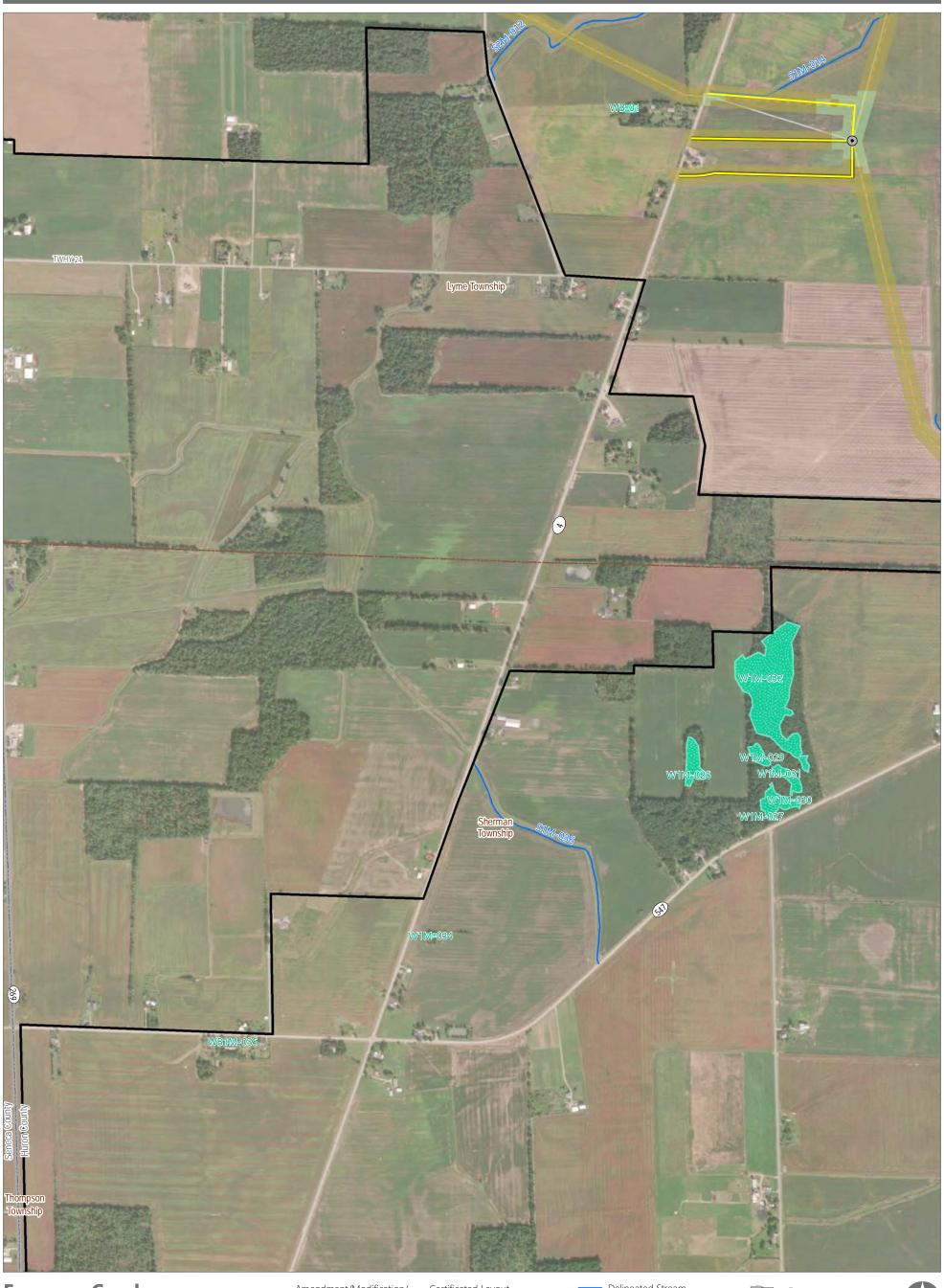
Delineated Wetland
Vegetative Community

Agriculture/Open Areas

Wooded

Non-forested Wetland







Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

- - Collection Line Access Road

Certificated Layout Wind Turbine

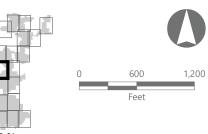
Collection Line Access Road

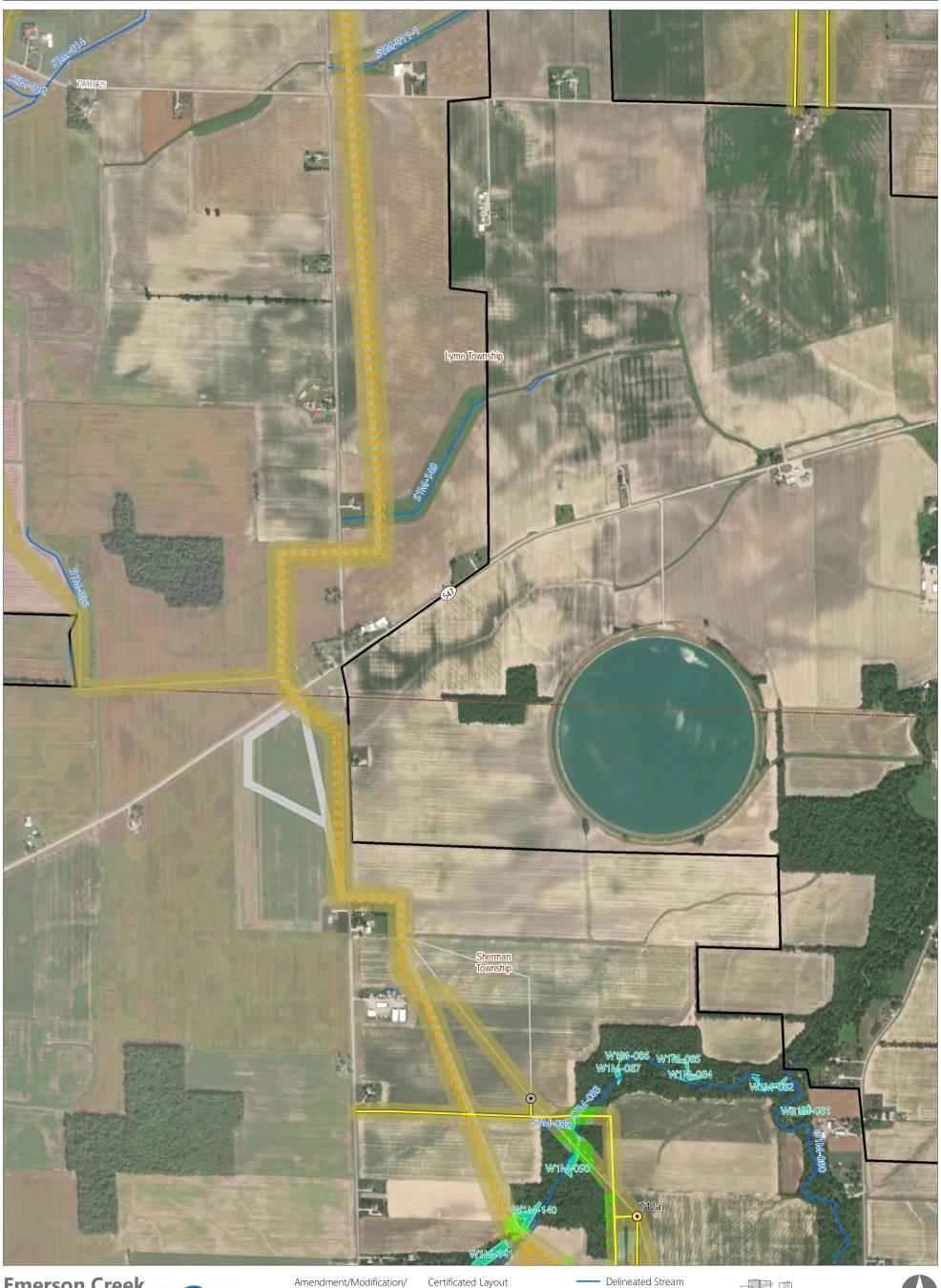
Project Area

Delineated Stream Delineated Wetland

Vegetative Community







EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine

- - · Collection Line Access Road

Certificated Layout

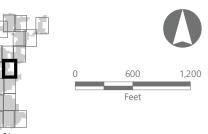
Wind Turbine Collection Line

 Access Road Project Area

Delineated Wetland Vegetative Community Barren

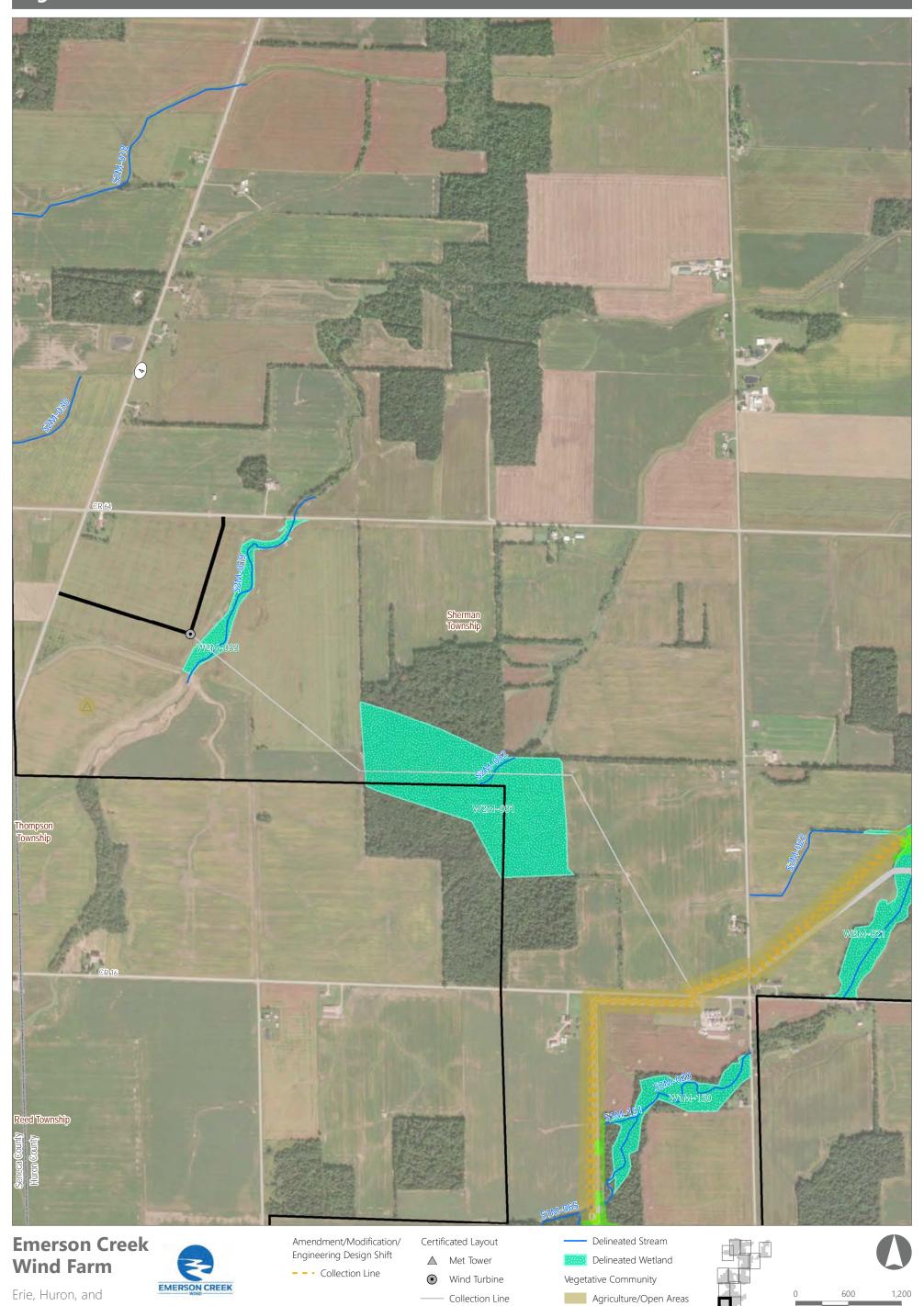


Non-forested Wetland



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EDR_



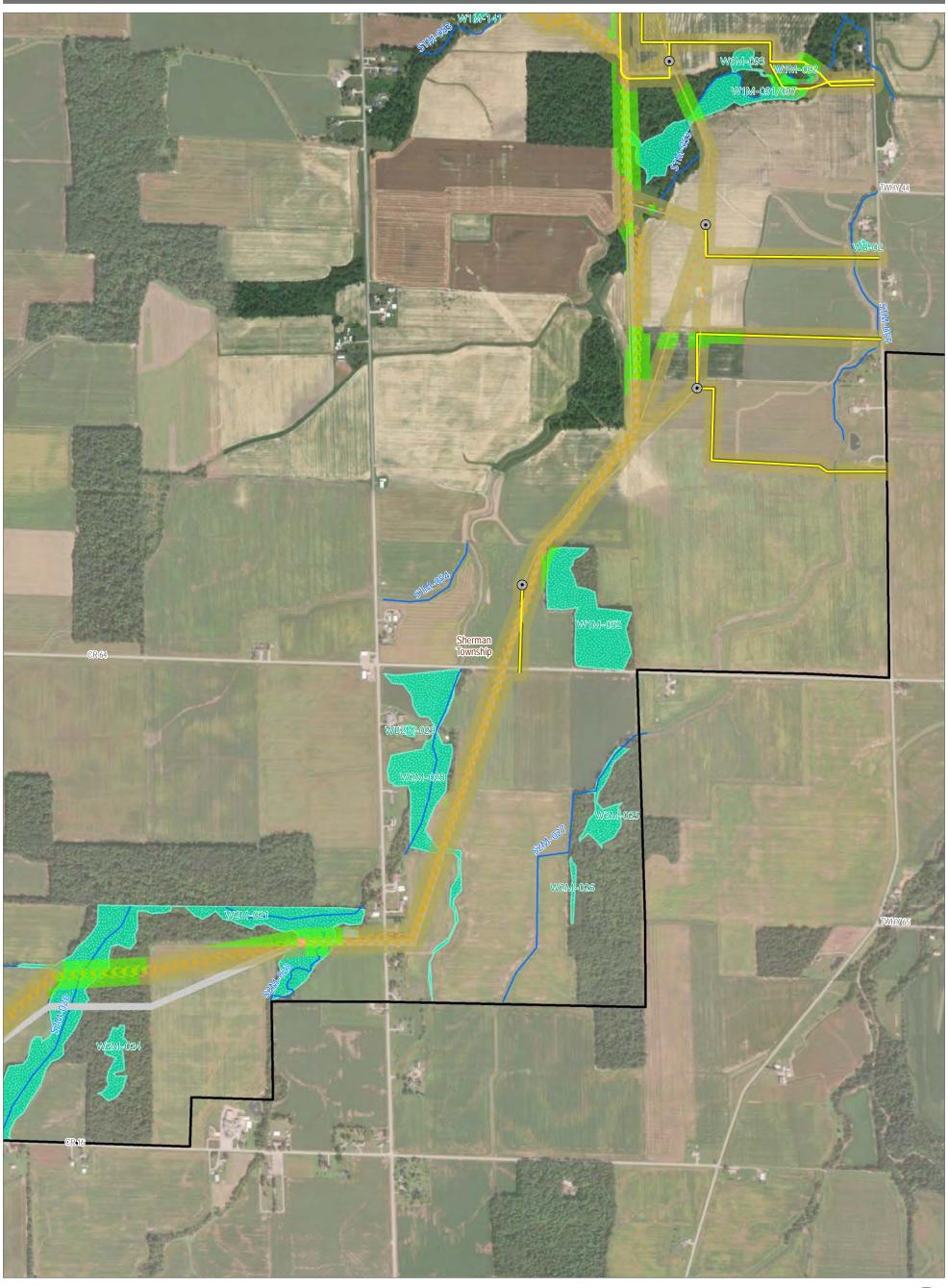
Access Road
Project Area

Seneca Counties, Ohio

Certificate Amendment Application

Wooded

Non-forested Wetland



EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

EDR_

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift - - Collection Line

Access Road

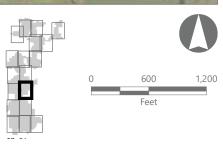
Certificated Layout Wind Turbine

Collection Line Access Road

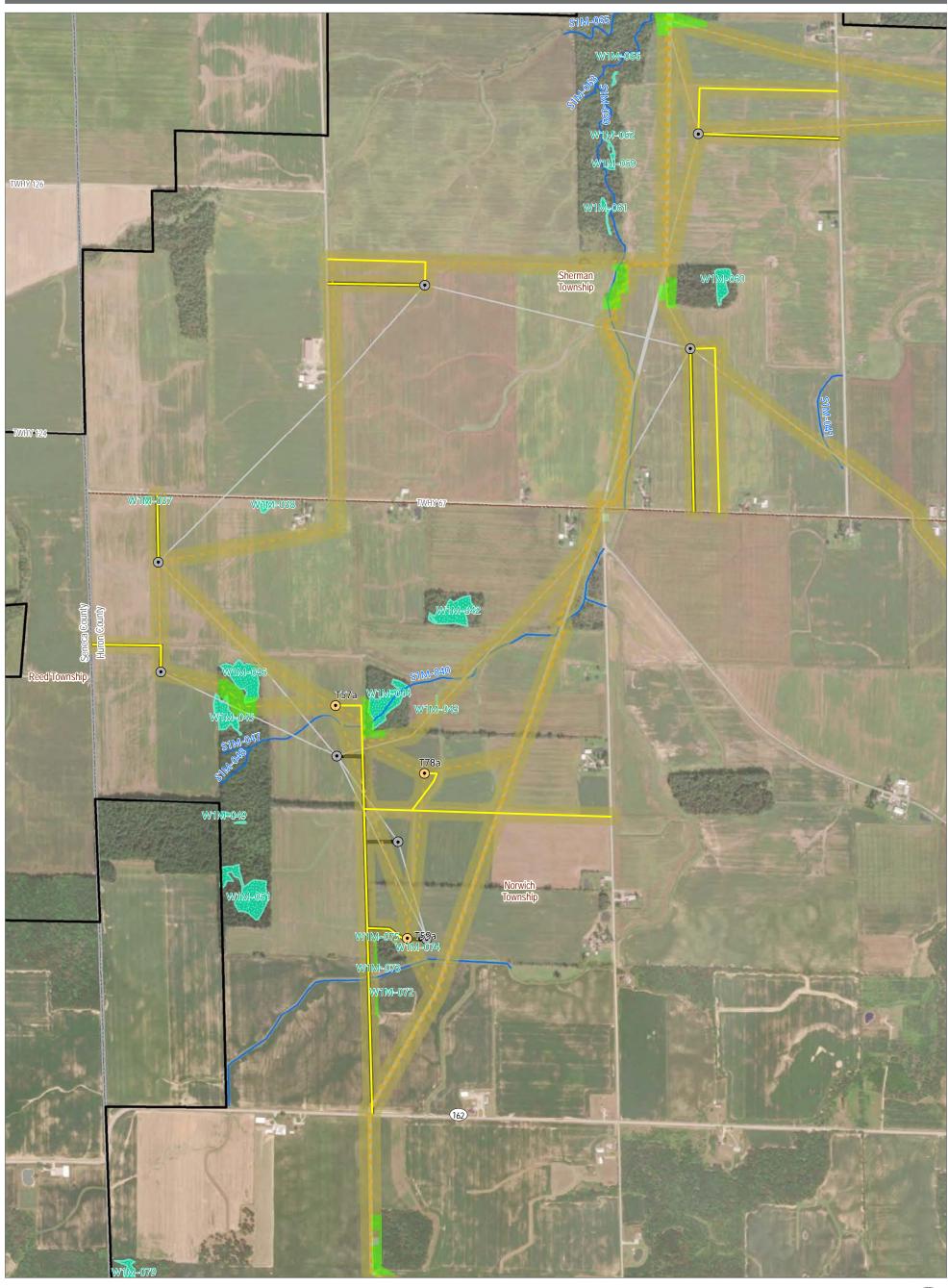
 Delineated Stream Delineated Wetland

Vegetative Community

Agriculture/Open Areas Project Area Scrub/Shrub Wooded Non-forested Wetland



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EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine - - · Collection Line - Access Road

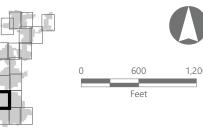
Certificated Layout Wind Turbine

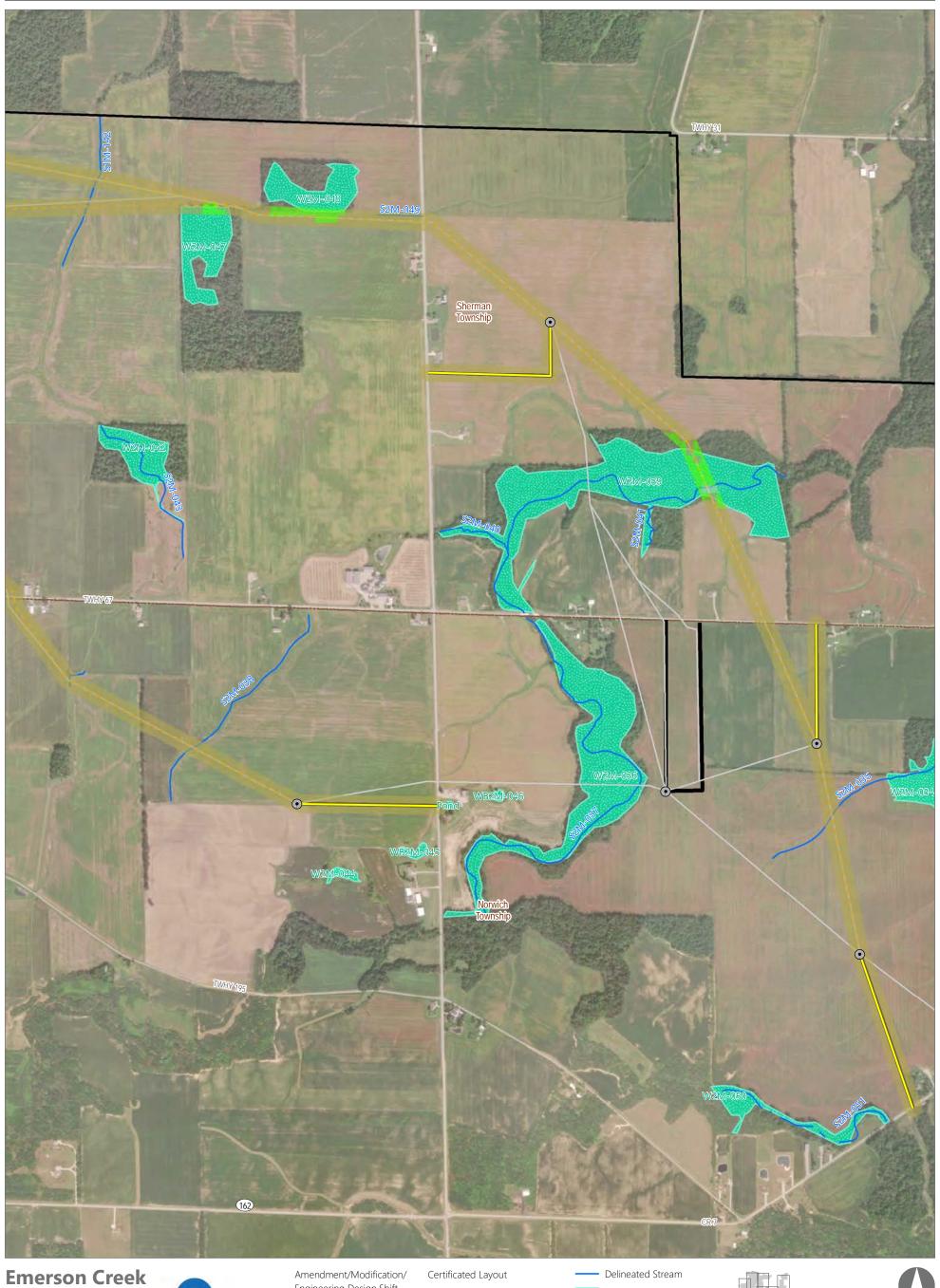
- Collection Line Access Road Project Area

Delineated Stream Delineated Wetland

Vegetative Community Agriculture/Open Areas

Wooded Non-forested Wetland





Wind Farm

EMERSON CREEK

Erie, Huron, and Seneca Counties, Ohio

Certificate Amendment Application

Engineering Design Shift

- - Collection Line Access Road

• Wind Turbine

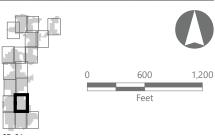
- Collection Line Access Road

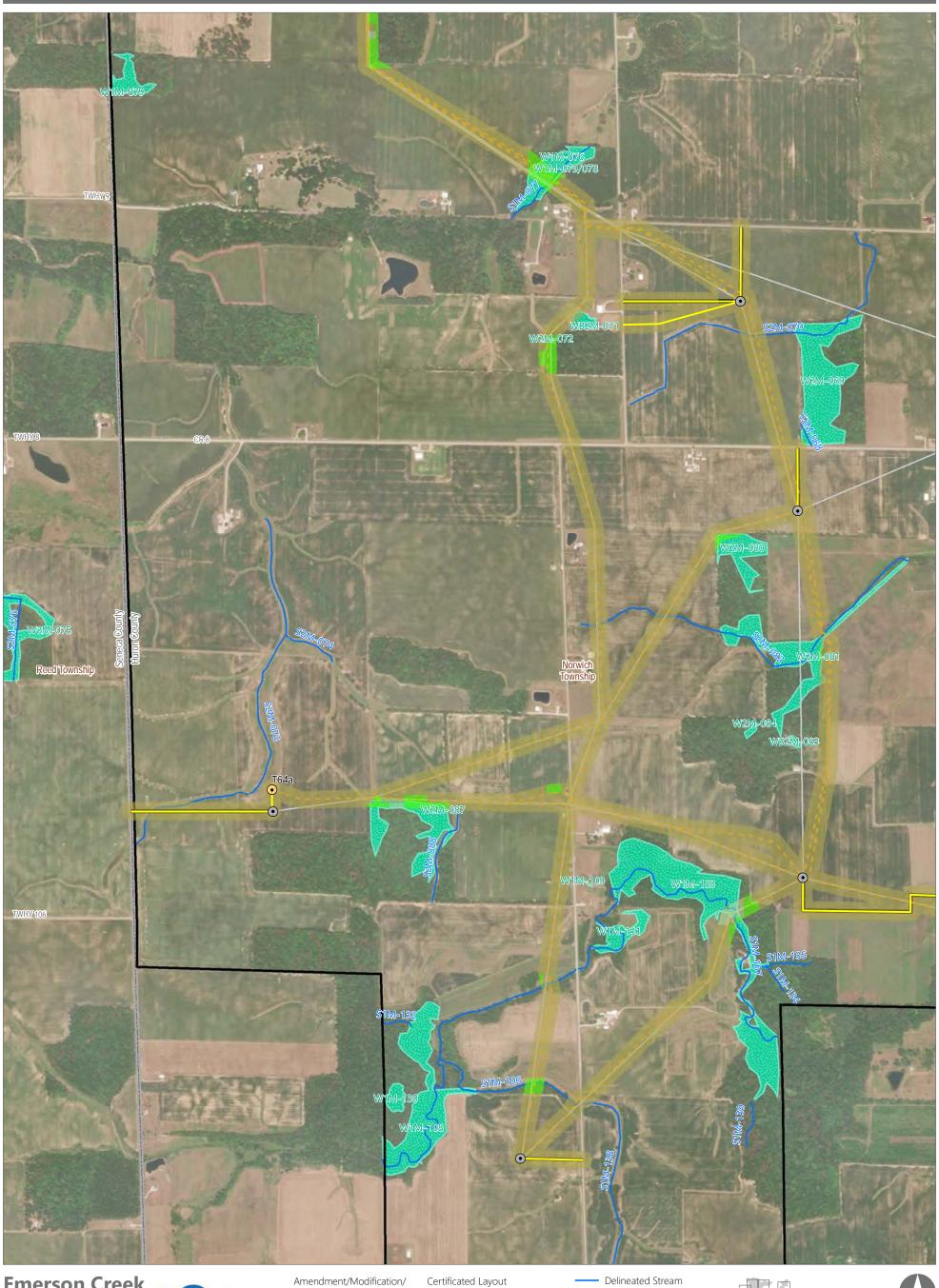
Project Area

Delineated Wetland

Vegetative Community Agriculture/Open Areas

Wooded Non-forested Wetland





EMERSON CREEK

Erie, Huron, and

Seneca Counties, Ohio

Certificate Amendment Application

Amendment/Modification/ Engineering Design Shift

• Wind Turbine

- - · Collection Line

- Access Road

• Wind Turbine - Collection Line

Access Road

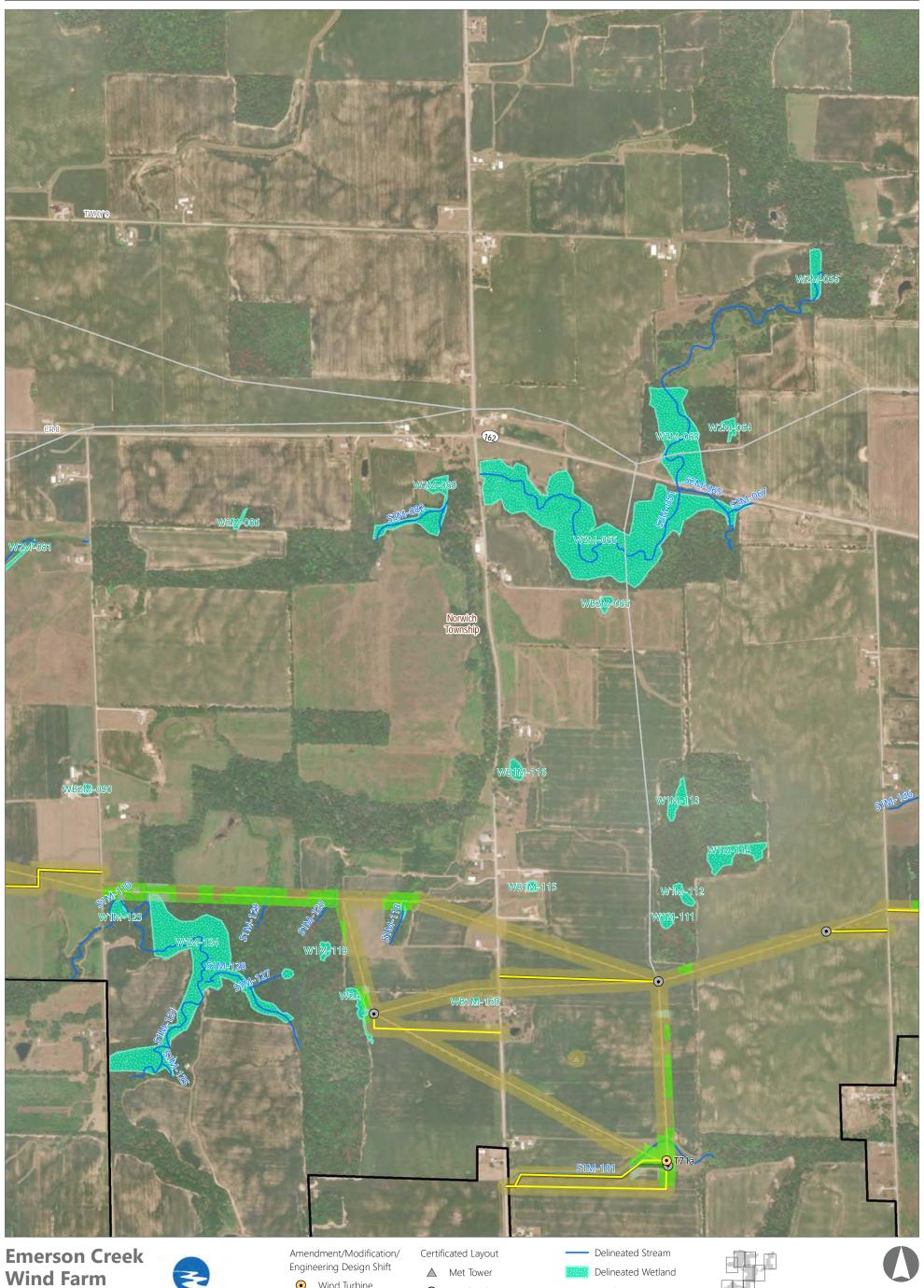
Project Area

Delineated Wetland Vegetative Community Agriculture/Open Areas Scrub/Shrub Wooded

Non-forested Wetland

Prepared October 21, 2021 Basemap: ESRI ArcGIS Online "World Imagery" map service

EDR_



Certificate Amendment Application

EMERSON CREEK







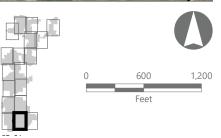




Project Area

Agriculture/Open Areas Scrub/Shrub Wooded Non-forested Wetland

Vegetative Community

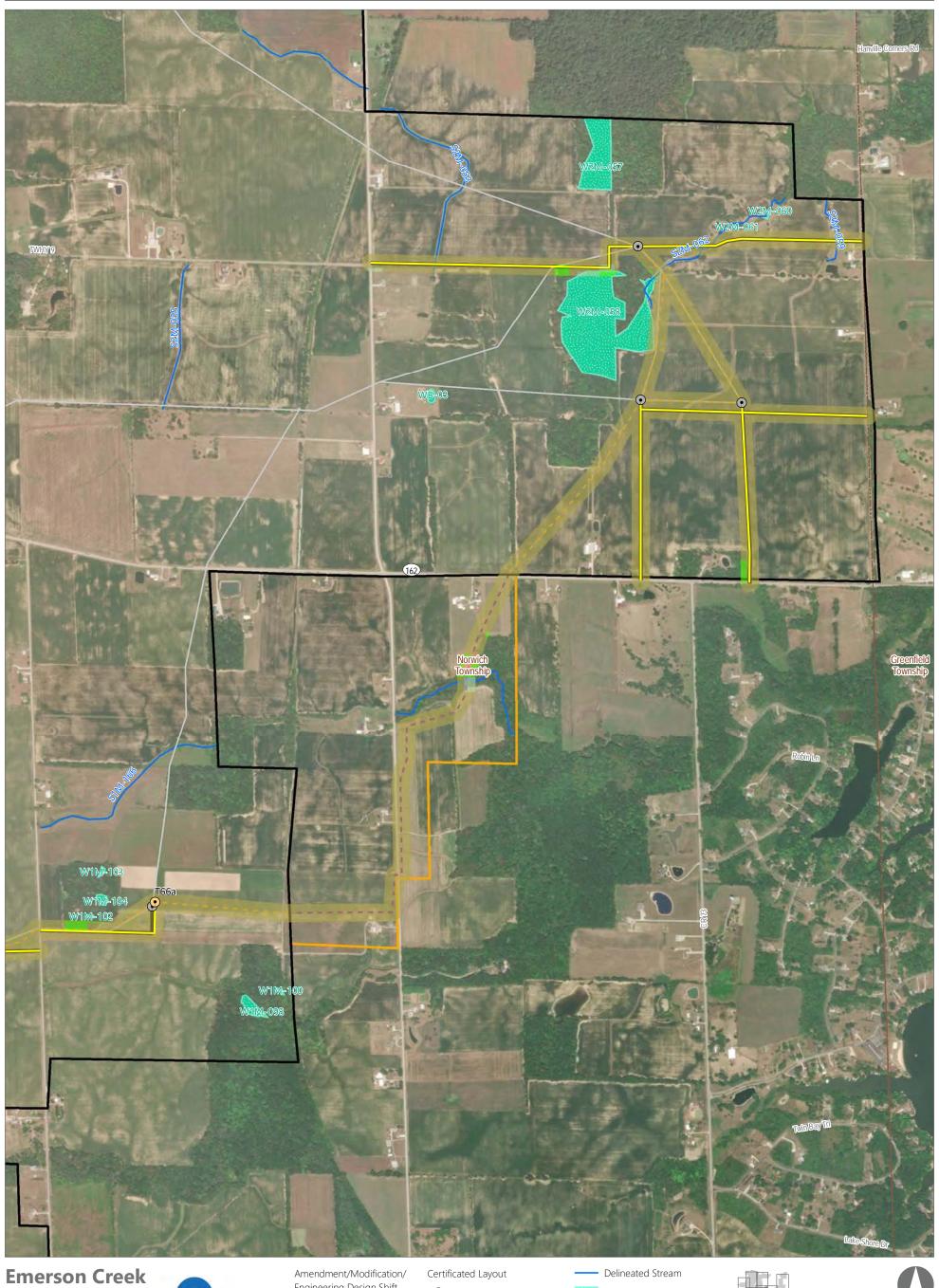


Prepared October 21, 2021 Basemap: ESRI ArcGIS Online "World Imagery" map service

EDR_

Erie, Huron, and

Seneca Counties, Ohio



Wind Farm

Seneca Counties, Ohio

EDR ___

EMERSON CREEK Erie, Huron, and

Certificate Amendment Application

Engineering Design Shift

Outside Project Area

• Wind Turbine

Collection Line Collection Line

Access Road Project Area

Wind Turbine

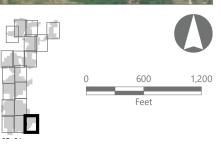
- Collection Line Access Road

Project Area

Delineated Wetland Vegetative Community

Agriculture/Open Areas

Scrub/Shrub Wooded Non-forested Wetland



Prepared October 21, 2021 Basemap: ESRI ArcGIS Online "World Imagery" map service

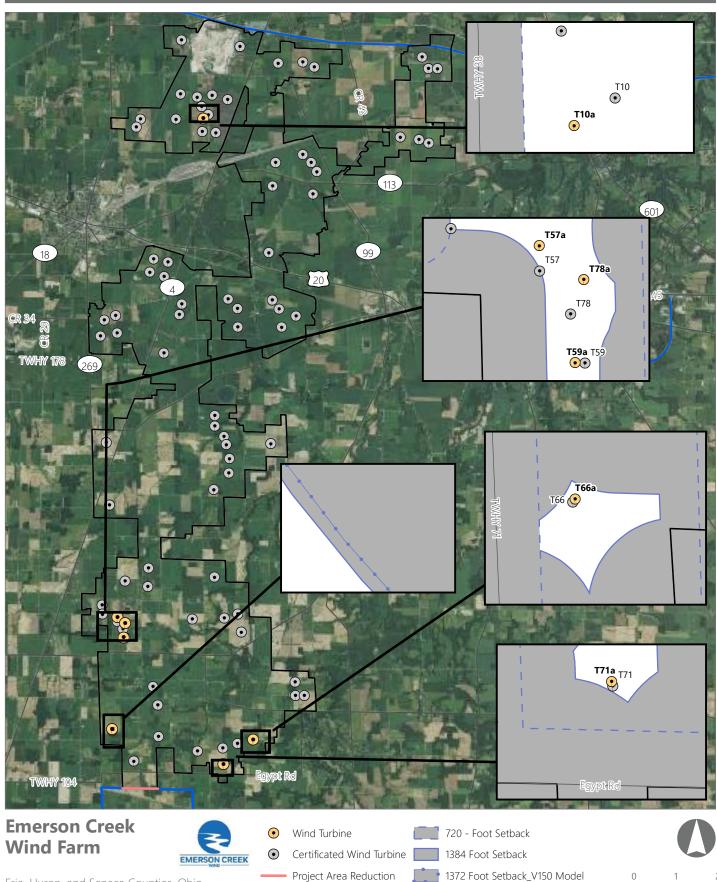
08-2 Wind Turbine State Setbacks

EDR

October 18, 2021



Figure 08-2. Wind Turbine State Setbacks



1372 Foot Setback_V150 Model

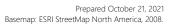


Erie, Huron, and Seneca Counties, Ohio

Certificate Application Amendment



Project Area Removed Project Area

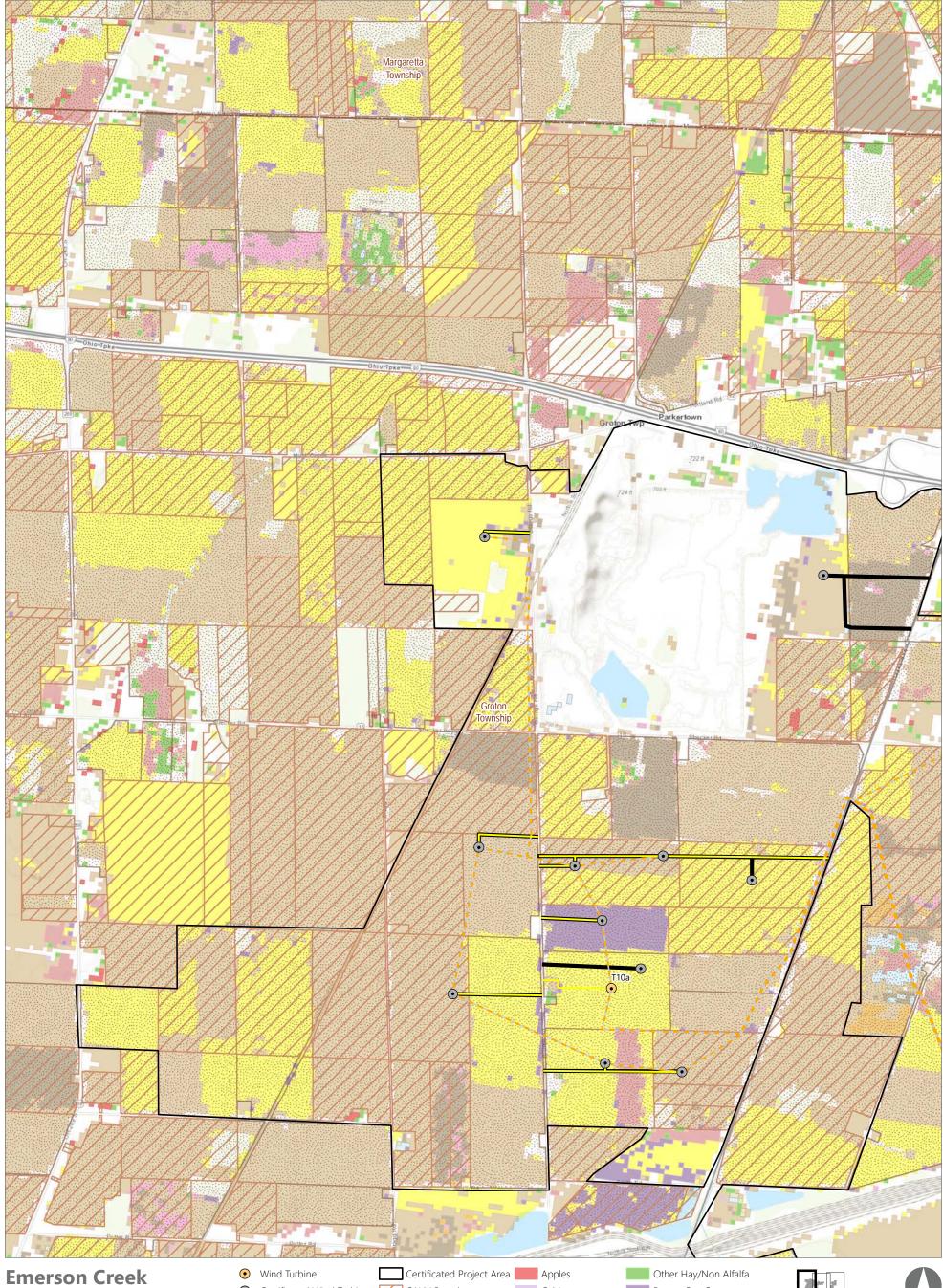


08-3 Agricultural Resources

EDR

October 22, 2021





Erie and Huron Counties, Ohio

Wind Farm

EMERSON CREEK

- - · Collection Line - Access Road

Certificated Collection Line Soybeans

Certificated Access Road Alfalfa

Agricultural District Corn

Cabbage Clover/Wildflowers Double Crop

Greens

Oats

Pop or Orn Corn Pumpkins Speltz Squash

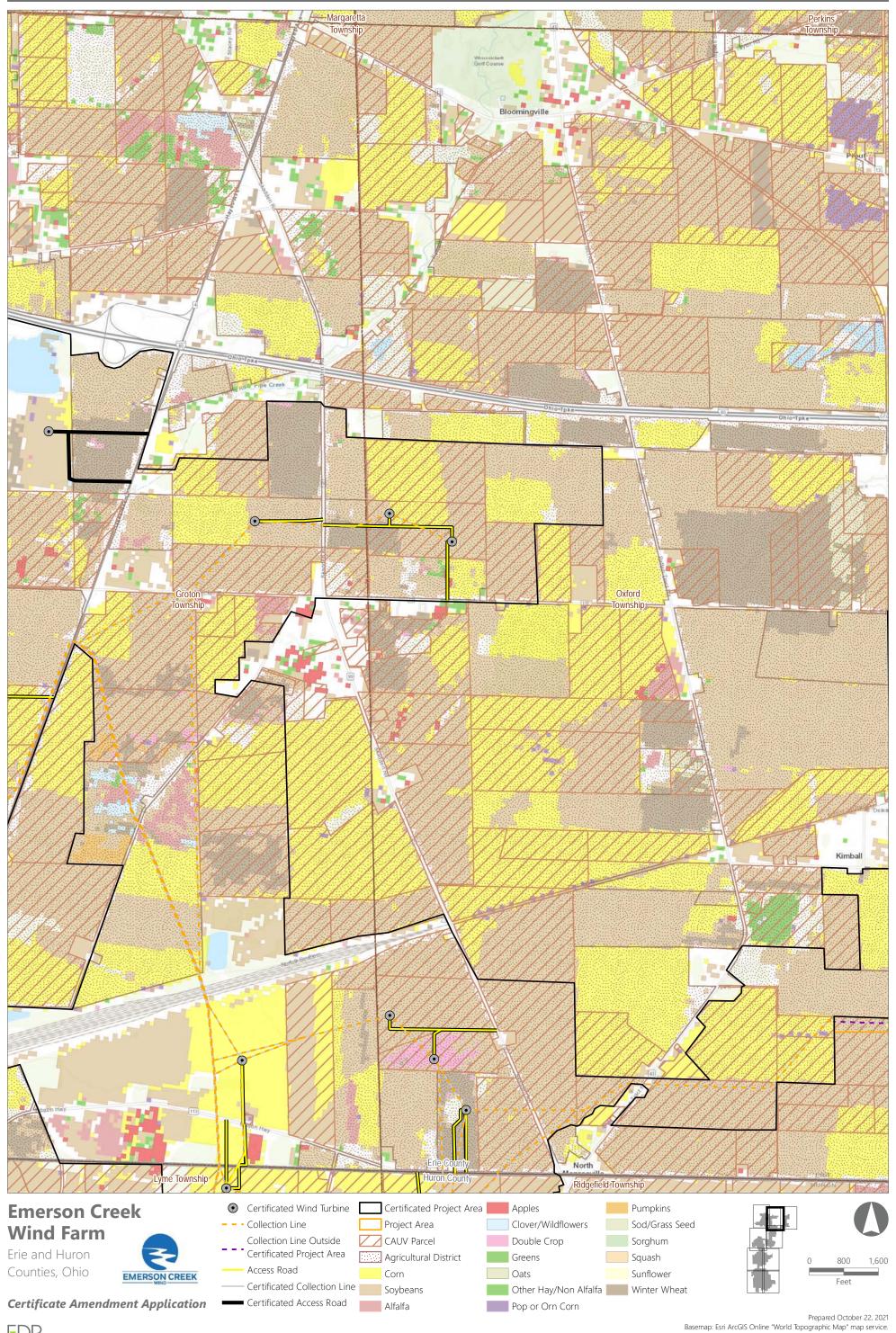
Sunflower

Winter Wheat

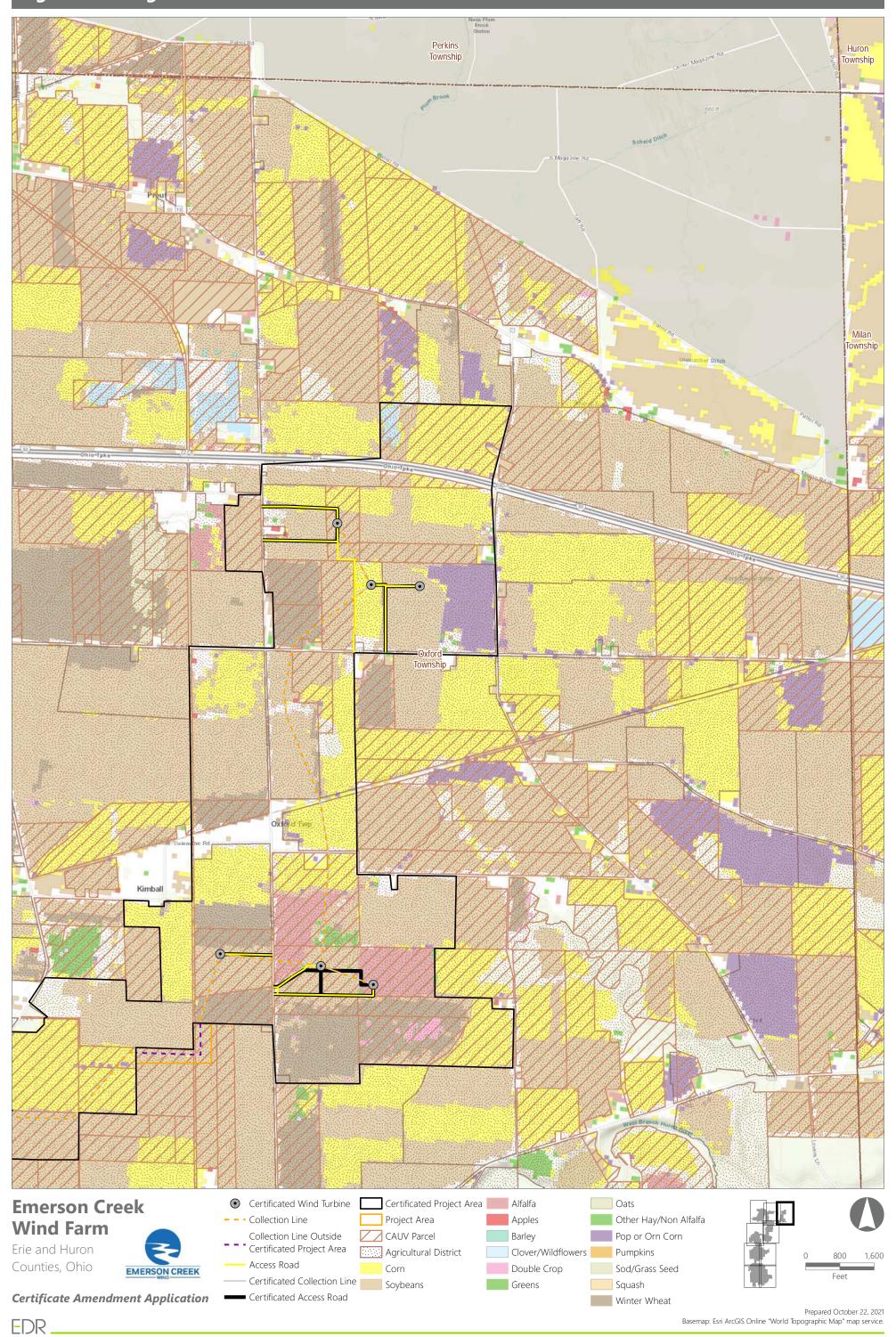
Certificate Amendment Application

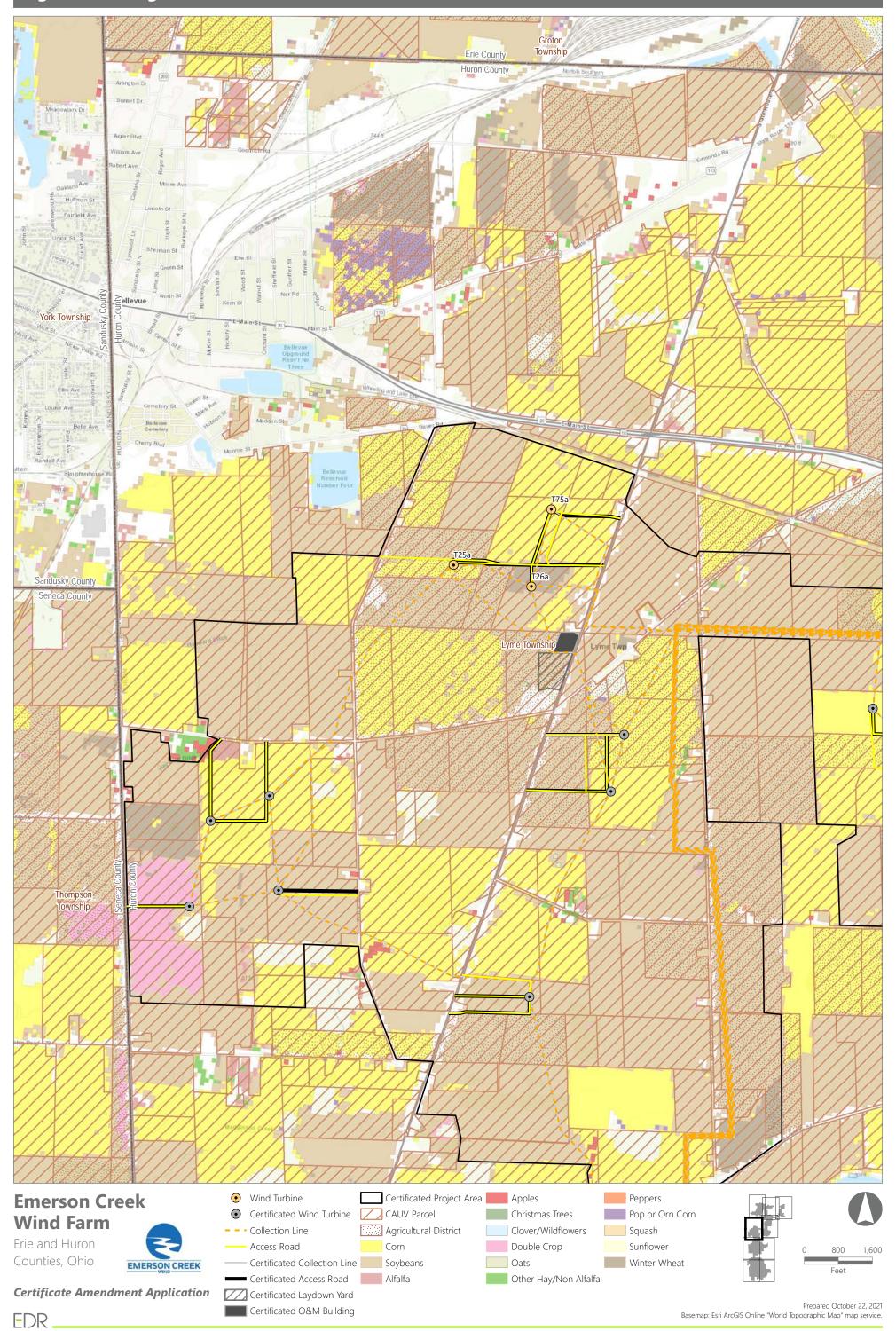
EDR_

Prepared October 22, 2021 Basemap: Esri ArcGIS Online "World Topographic Map" map service.



EDR_





Erie and Huron Counties, Ohio EMERSON CREEK

Certificated Wind Turbine - - Collection Line - Access Road

- Certificated Collection Line

Certificated Collection Substation Alfalfa

Certificated Access Road

CAUV Parcel Agricultural District Corn

Soybeans

Certificated Project Area Apples Cabbage Clover/Wildflowers Speltz Double Crop

Greens

Oats

Other Hay/Non Alfalfa Pop or Orn Corn Squash Sunflower

Winter Wheat

Certificate Amendment Application

Agricultural District

Corn

Barley

Christmas Trees

Access Road

— Certificated Collection Line

Certificated Access Road Soybeans

Certificate Amendment Application

EMERSON CREEK

Other Hay/Non Alfalfa

Peppers

Winter Wheat

Clover/Wildflowers Pop or Orn Corn

Erie and Huron

Counties, Ohio

Erie and Huron Counties, Ohio

• Wind Turbine - - Collection Line --- Access Road

Certificated Access Road

Agricultural District Corn

Certificated Project Area Alfalfa Apples

Greens

Clover/Wildflowers Double Crop

Other Hay/Non Alfalfa Peppers Pop or Orn Corn

Squash

Winter Wheat

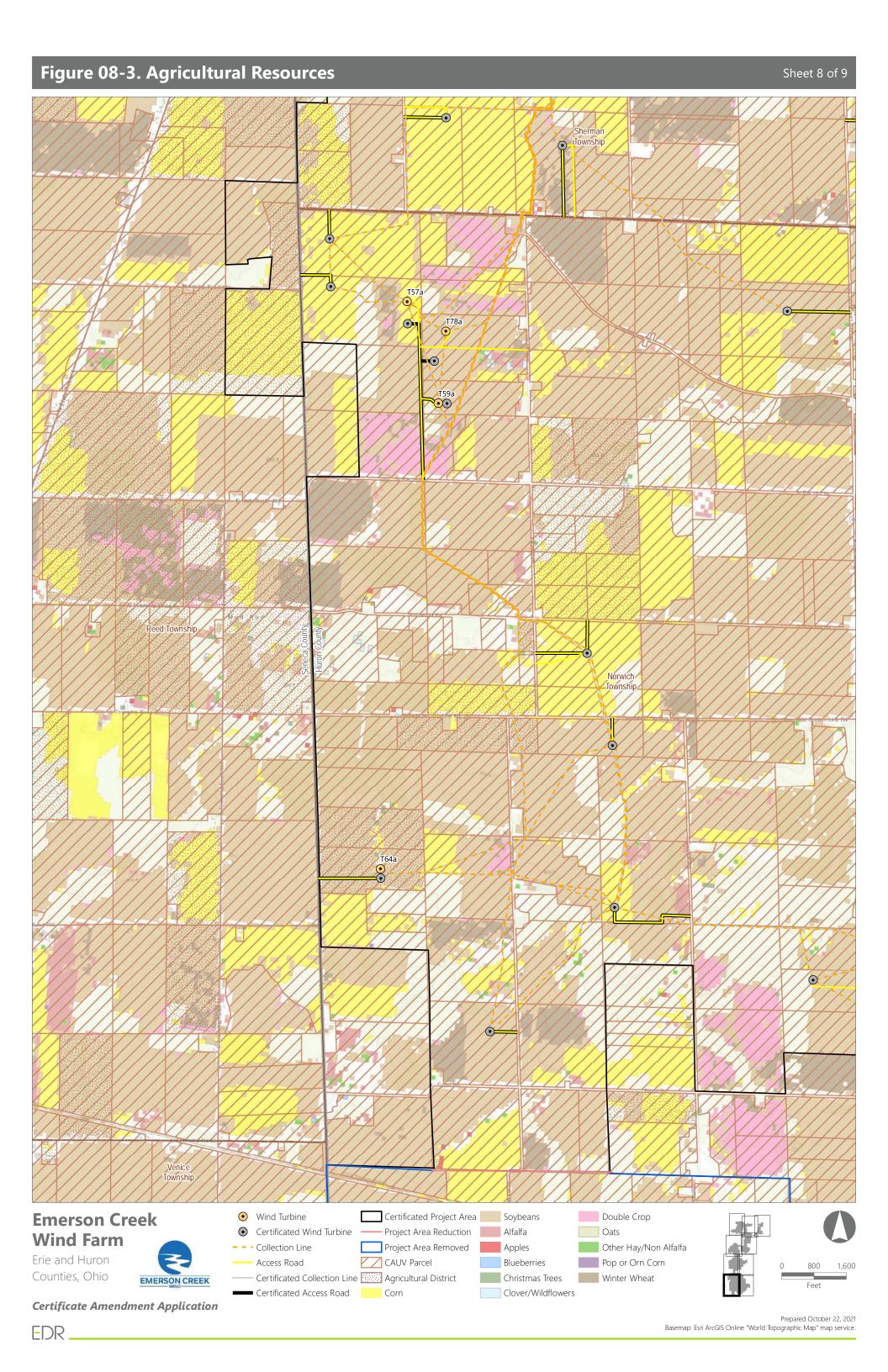




Certificate Amendment Application

EMERSON CREEK

Certificated Collection Line Soybeans



This foregoing document was electronically filed with the Public Utilities Commission of Ohio Docketing Information System on

10/28/2021 11:13:13 AM

in

Case No(s). 21-1055-EL-BGA

Summary: Application 2 of 13 (Figures 03-1-08-3) electronically filed by Christine M.T. Pirik on behalf of Firelands Wind, LLC