

RIVERBEND WIND ENERGY FACILITY



Exhibit A-1.1 PLANNED FACILITIES

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EXHIBIT A-1.1 – PLANNED FACILITIES

A-1.1.a – Project Layouts must, at a minimum, depict the following information:

1. The proposed location of the facility and potential right-of-way extents, including proposed electric collection and transmission lines and interconnections, all fenced in or secured areas, as well as ancillary features located on the facility site such as roads, railroads, switchyards, energy generation, storage or regulation facilities, substations, and similar facilities.

Refer to Sheets 2, 4-34, 36-60, 62-63 of **Appendix 1.1-A - Project Layout**.

2. The proposed location of any off-site utility interconnections that are available to the applicant at the time of application, including all electric transmission lines, communications lines, stormwater drainage lines, county and intercounty drains, and appurtenances thereto, to be installed connecting to and servicing the site of the facility.

The Project will not include any off-site utility interconnections or ancillary infrastructure. Refer to **Appendix 1.1-B: Figure 6 – Major Facilities Map** for the location of the existing transmission infrastructure and the proposed point of interconnection located within the Project footprint.

Fiber communication lines will be installed with collection lines, and both will utilize the same route.

3. The proposed limits of clearing and disturbance for construction of all facility components and ancillary features, including laydown yards and temporary staging or storage areas.

Refer to Sheets 4-33, 36-59, 62-63 of **Appendix 1.1-A - Project Layout**. Turbine components will be temporarily staged at each proposed location within the displayed limits of disturbance.

4. Major institutions, parks, and recreational areas within 1000 feet of the site.

Refer to **Appendix 1.1-B: Figure 9 – Recreational and Other Land Uses Map** for any of the above features.

5. Lakes, reservoirs, streams, canals, rivers, wetlands, and other waterbodies within 1000 feet of the site.

Refer to **Appendix 1.1-B: Figure 2 – Water Resources Map** for any of the above features applicable to the Project Area.

6. Legal boundaries of cities, villages, townships, and counties within 1000 feet of the site.

Refer to **Appendix 1.1-B: Figure 1A – Site Location Map**.

7. Occupied structures within 1000 feet of the site.

Refer to Sheets 4-33, 36-59, 62-63 of **Appendix 1.1-A - Project Layout** and **Appendix 1.1-B: Figure 10 – Occupied Dwellings Map**.

8. The location of inverters and other noise-emitting facilities showing the distance to occupied structures, property lines, and public rights-of-way.

Refer to Sheets 4-33, 36-59, 62-63 of **Appendix 1.1-A - Project Layout**.

9. The area of the proposed site or right-of-way for the facility, and the identification of participating properties and adjacent properties.

Refer to Sheets 2, 4-34, 36-60, 62-63 of **Appendix 1.1-A - Project Layout**.

10. The location of any deeded easement known to date that exists within the footprint of the facility.

At the time of filing, the Applicant is not aware of any deeded easement locations within the footprint of the facility and there is no publicly available data regarding deeded easement locations. Prior to construction, the Project will perform necessary surveys to identify all existing deeded easements in relation to Project infrastructure.

- i. The existing Project Layout elements, including without limitation, project boundary(ies), parcel boundaries, public roads, railroads, public right-of-way, existing public utilities, and easement locations shall be shown as approximate locations based on readily available desktop/GIS/publicly available spatial data within the footprint of the facility.**

The Project Layout was prepared using the latest edition of USGS maps and GIS mapping to the extent available. The location and layout of Project infrastructure can be found in **Appendix 1.1-A - Project Layout** of this application.

The Project Layout provides a comprehensive layout of the proposed facility and right-of-way extents, including essential features such as electric collection lines, transmission lines, interconnections, and secured areas. The Project Layout also includes proposed ancillary features located within the Project Area such as roads, a switchyard (to be built by others), a substation, underground collector system, meteorological towers and similar infrastructure. The Project Layout details the locations of the on-site utility interconnection as well as the areas designated for construction clearing and disturbance. Additionally, the Project Layout includes any identified nearby significant institutions, parks, recreational areas, waterbodies, legal boundaries of surrounding municipalities, and occupied structures within 1,000 feet of the site. The proposed Project Area participating properties, adjacent properties and locations of known deeded easements that exist within the footprint of the facility are included in the Project Layout. All existing site elements, such as public roads, utilities, railroads, parcel boundaries, and easements, are represented based on available spatial data, depicting the approximate locations of relevant components within the Project's footprint.

A-1.1.b – An aerial photograph or a map using satellite imagery with depictions of planned facilities, fences, roads, occupied buildings, and planned screening, landscaping, and vegetative cover.

The Project Layout includes a map utilizing aerial imagery of the planned facilities and roads. The Project does not anticipate including screening, landscaping or vegetative cover, outside of restoration to any areas disturbed during construction. Refer to Sheets 4-33, 36-59, 62-63 of **Appendix 1.1-A - Project Layout**.

A-1.1.c – A dimensioned drawing or map with dimensions added showing setbacks from the project boundary and fences to all structures on participating properties, road rights-of-way, waterways, wetlands, occupied buildings and structures on nonparticipating properties, and property lines of non-participating properties.

The Project Layout includes dimensioned maps showing setbacks from the Project facility and fences around the substation to the nearest instance of participating properties, road rights-of-

way, waterways, wetlands, occupied buildings and structures on nonparticipating properties, and property lines of non-participating properties. Refer to Sheets 4-33, 36-59, 62-63 of **Appendix 1.1-A - Project Layout**.

A-1.1.d – A description of the maximum height of solar panels, wind turbines, storage facilities, and associated electrical equipment in relation to existing overhead communication and electric transmission lines.

The potential proposed turbine models for the Project include the Vestas V162 with a total height of 656 feet, the Vestas V163 with a total height of 655 feet, and the Nordex N169 with a total height of 645 feet. The Project will also include meteorological towers with an approximate height of 390 feet, as well as an Aircraft Detection Lighting System (ADLS) tower with an approximate height of 66 feet. Additionally, the Project substation will contain electrical equipment including main power transformers with an approximate maximum height of 25 feet, lightning protection poles and high-voltage send-off structures with an anticipated height of approximately 55 feet, with all equipment being surrounded by a security fence with an approximate height of 8 feet. The Applicant is not in possession of exact height specifications for existing communication and transmission lines in the area, but typical overhead communication and transmission lines range from 30 to 60 feet for distribution and 80 to 150 feet for high voltage transmission. Refer to the height specifications for proposed turbine model located on Sheet 64 of **Appendix 1.1-A - Project Layout**.

Appendix 1.1-A: PROJECT LAYOUT



Know what's below.
Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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Two Towne Square, Suite 700

Southfield, MI 48076

248.447.2000

SPEAKER, FREMONT AND ELK TOWNSHIPS

SANILAC COUNTY, MICHIGAN

CLIENT
MI ENERGY DEVELOPMENTS, LLC
RIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
COVER SHEET

DATE
04/02/2026

REVISIONS	
SCALE	0 2500 5000
1" = 5000 FEET	
DR. MB/GS	GH. BS
P.M. BS	
BOOK --	
JOB 21003645	
SHEET NO. 1	

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSO\21003645-WPSO-00-01

PROJECT OWNER/DEVELOPER

MI ENERGY DEVELOPMENTS, LLC
575 5TH AVENUE SUIT 2501
NEW YORK, NY 10017
PHONE: 365.292.2763
ATTN: IRENE BEZUIDENHOUT

PROJECT ENGINEER/SURVEYOR

ATWELL, LLC
TWO TOWNE SQUARE, SUITE 700
SOUTHFIELD, MI 48076
PHONE: 248.447.2000
FAX: 248.447.2001
ATTN: BENJAMIN SANFORD

ELK TOWNSHIP

3810 SOUTH SANDUSKY ROAD
PECK, MI 48466
PHONE: 810.404.8919
ATTN: WALTER PARKE

FREMONT TOWNSHIP

2512 EAST GALBRAITH LINE ROAD
YALE, MI 48097
PHONE: 810.304.5653
ATTN: RICHARD MEE

SPEAKER TOWNSHIP

7630 N BROCKWAY ROAD
MELVIN, MI 48454
PHONE: 810.387.3356
ATTN: BEN STEINHOFF

PROJECT NOTE

PROPOSED NUMBER OF WIND TURBINE GENERATORS:

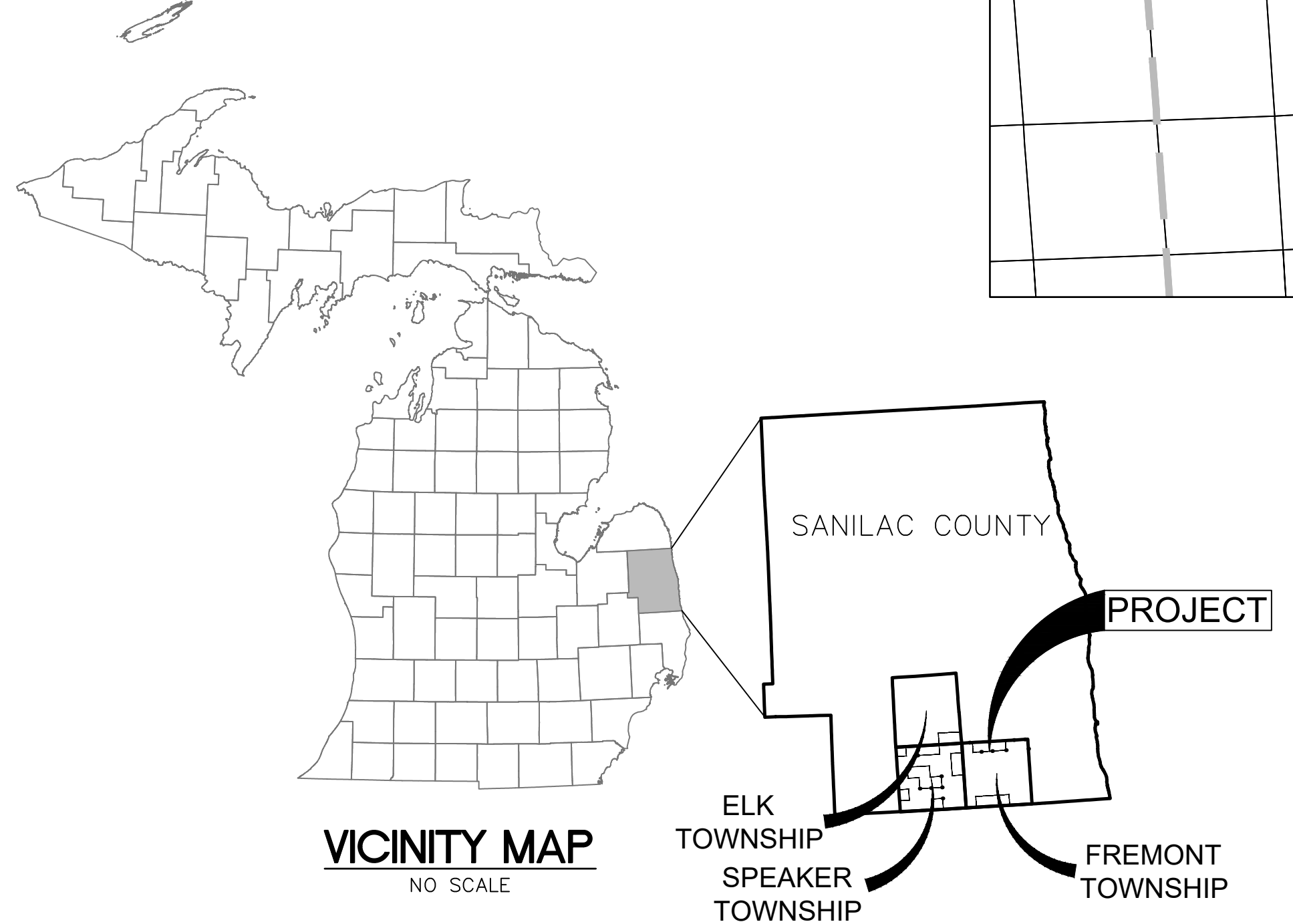
FREMONT TOWNSHIP: 26 TURBINES
SPEAKER TOWNSHIP: 24 TURBINES
ELK TOWNSHIP: COLLECTION ONLY

DATA SOURCES

TOPOGRAPHICAL INFORMATION	USGS NATIONAL ELEVATION DATASET (NED), 3 METER DEM
PROPERTY BOUNDARY INFORMATION	DRAIN MAPS PER COUNTY RECORDS GIS PARCEL BOUNDARIES PER CORELOGIC PARCEL DATA (2024) SURVEYED PARCEL BOUNDARIES PROVIDED BY ATWELL (AUGUST 2022)
HABITABLE STRUCTURE LOCATIONS	PROVIDED BY RIVERBEND (NOVEMBER 2020) FIELD VERIFIED BY ATWELL (AUGUST 2022) UPDATED BY ATWELL (FEBRUARY 2025)
TURBINE LOCATIONS (ARRAY)	PROVIDED BY RIVERBEND (SEPTEMBER 2024)
TURBINE ACCESS ROADS	PROVIDED BY ATWELL (JULY 2025)
ELECTRICAL COLLECTION LINE	PROVIDED BY RIVERBEND (JULY 2025)

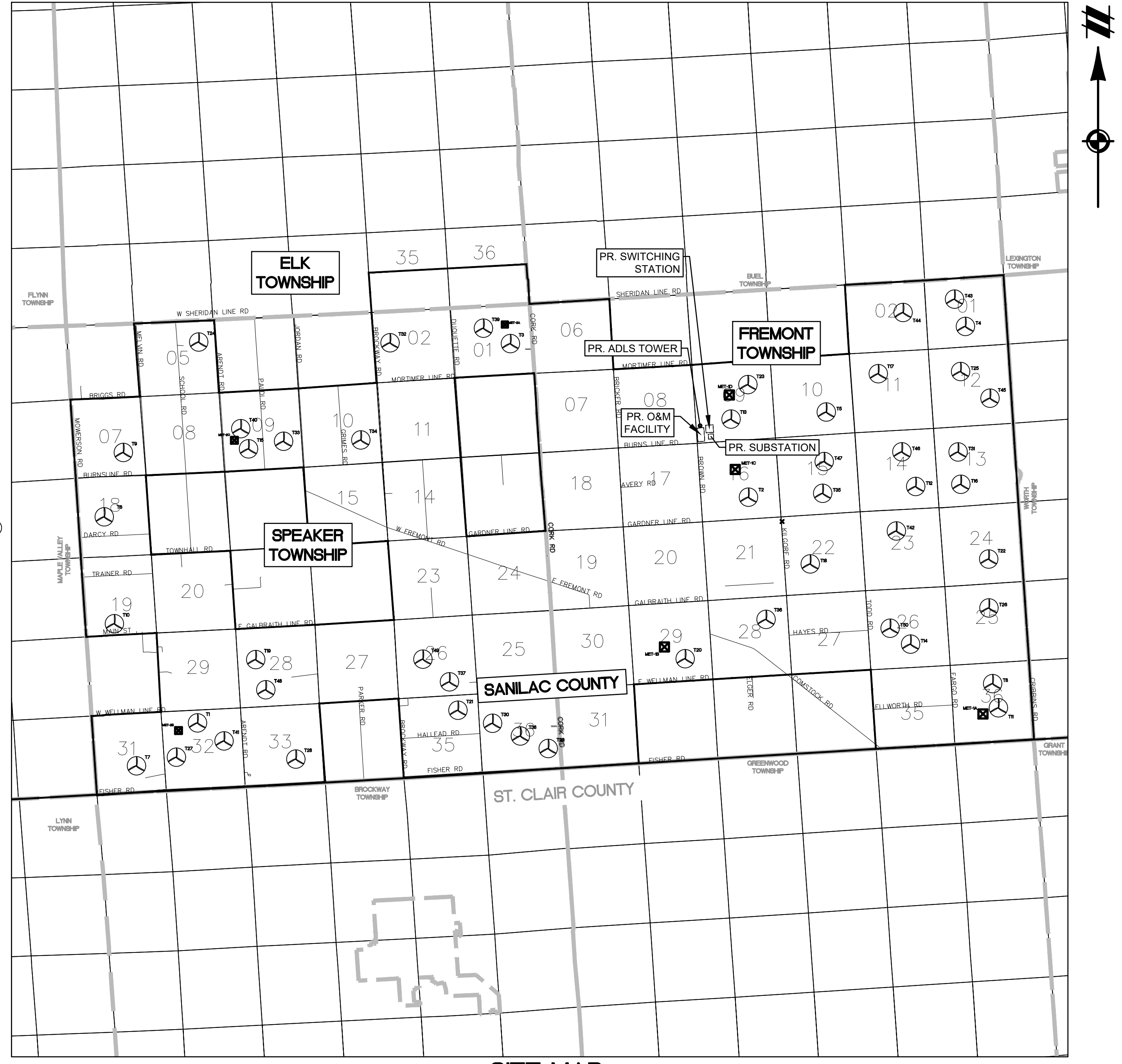
PROJECT SUMMARY

- THE PROPOSED RIVERBEND WIND ENERGY FACILITY IS LOCATED IN SPEAKER, FREMONT, AND ELK TOWNSHIPS, SANILAC COUNTY, MICHIGAN.
- THE PROJECT WILL BE BUILT, OWNED, AND OPERATED BY MI ENERGY DEVELOPMENTS, LLC.
- THE PROJECT WILL CONTAIN AN UNDERGROUND ELECTRICAL COLLECTION SYSTEM.
- THE PROJECT'S COLLECTION LINES WILL TIE INTO THE NEW SUBSTATION TO BE BUILT IN FREMONT TOWNSHIP.
- THE PROJECT WILL INCLUDE APPROXIMATELY 13,433 ACRES OF PARTICIPATING PARCELS WITHIN FREMONT TOWNSHIP.
- THE PROJECT WILL INCLUDE APPROXIMATELY 8,593 ACRES OF PARTICIPATING PARCELS WITHIN SPEAKER TOWNSHIP.
- THE PROJECT WILL INCLUDE APPROXIMATELY 115 ACRES OF PARTICIPATING PARCELS WITHIN ELK TOWNSHIP.



RIVERBEND WIND ENERGY FACILITY

SANILAC COUNTY, MICHIGAN
SPEAKER, FREMONT, AND ELK TOWNSHIPS
APPENDIX 1.1-A - PROJECT LAYOUT



SITE MAP
SCALE 1"=5,000'

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5	FREMONT TOWNSHIP-SECTION 02
6	FREMONT TOWNSHIP-SECTION 06
7	FREMONT TOWNSHIP-SECTION 07
8	FREMONT TOWNSHIP-SECTION 08
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10	FREMONT TOWNSHIP-SECTION 10
11	FREMONT TOWNSHIP-SECTION 11
12	FREMONT TOWNSHIP-SECTION 12
13	FREMONT TOWNSHIP-SECTION 13
14	FREMONT TOWNSHIP-SECTION 14
15	FREMONT TOWNSHIP-SECTION 15
16	FREMONT TOWNSHIP-SECTION 16
17	FREMONT TOWNSHIP-SECTION 17
18	FREMONT TOWNSHIP-SECTION 18
19	FREMONT TOWNSHIP-SECTION 19
20	FREMONT TOWNSHIP-SECTION 20
21	FREMONT TOWNSHIP-SECTION 21
22	FREMONT TOWNSHIP-SECTION 22
23	FREMONT TOWNSHIP-SECTION 23
24	FREMONT TOWNSHIP-SECTION 24
25	FREMONT TOWNSHIP-SECTION 25
26	FREMONT TOWNSHIP-SECTION 26
27	FREMONT TOWNSHIP-SECTION 27
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45	SPEAKER TOWNSHIP-SECTION 18
46	SPEAKER TOWNSHIP-SECTION 19
47	SPEAKER TOWNSHIP-SECTION 20
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54	SPEAKER TOWNSHIP-SECTION 29
55	SPEAKER TOWNSHIP-SECTION 31
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60	ELK TOWNSHIP OVERALL PLAN
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62	ELK TOWNSHIP-SECTION 35
63	ELK TOWNSHIP-SECTION 36
64	STANDARD DETAILS
65	STANDARD DETAILS

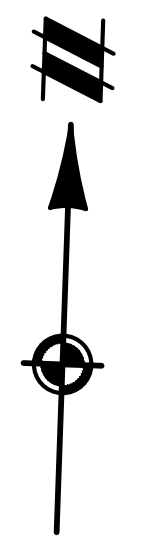
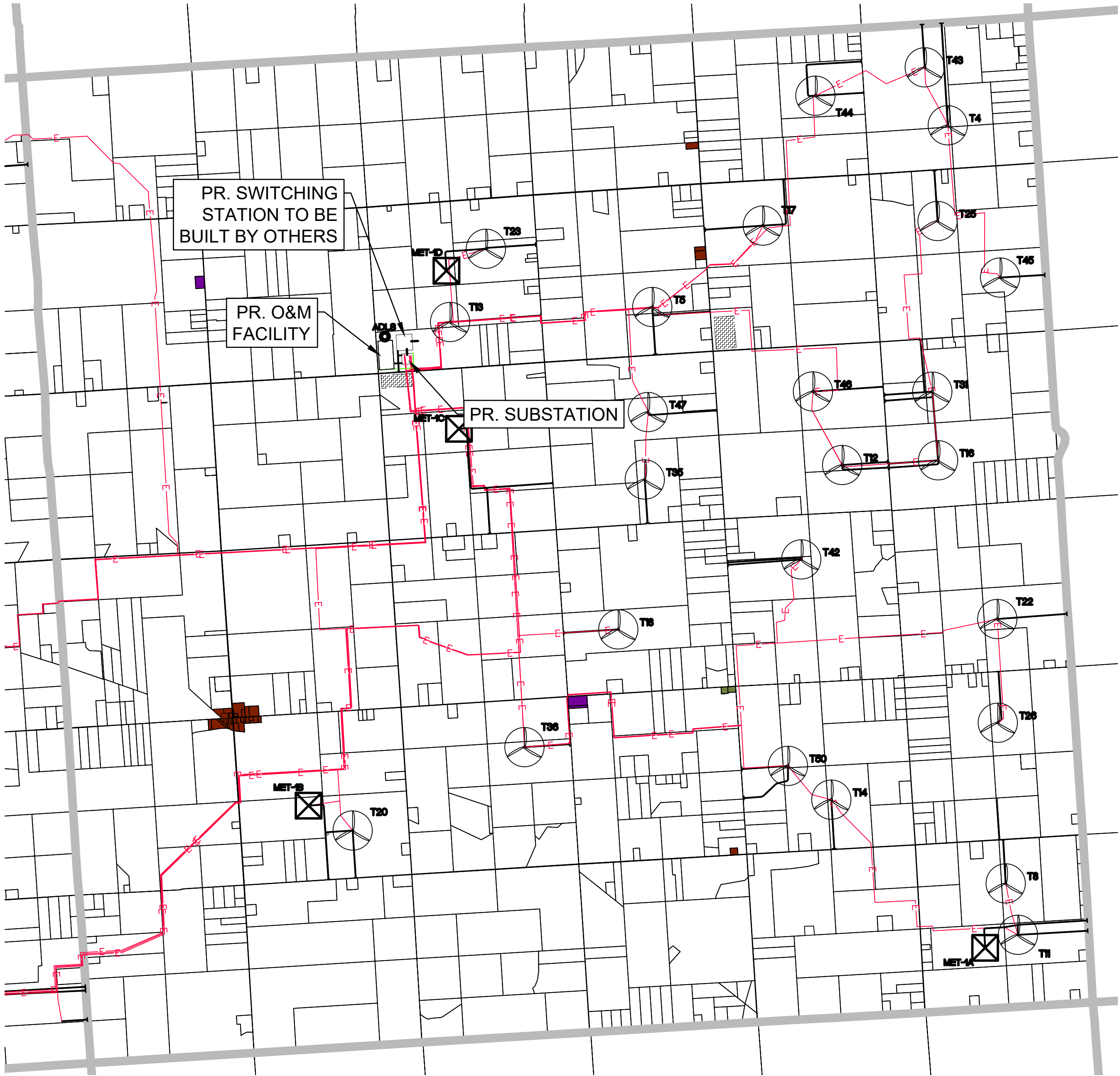
ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

Turbine ID	Turbine Locations (UTM83-17)		
Layout	Northing (Meters)	Easting (Meters)	Elevation (ASL Meters)
T2	4785484	360829	230.0
T5	4787146	362476	230.0
T8	4781507	365628	230.0
T11	4781012	365725	228.4
T12	4785565	364228	230.0
T13	4787080	360540	230.0
T46	4786278	363977	227.6
T16	4785573	365145	230.0
T17	4787881	363562	230.0
T18	4784081	362028	230.0
T20	4782262	359415	230.0
T22	4784035	365649	230.0
T23	4787765	360910	230.0
T25	4787858	365232	230.0
T26	4783044	365614	230.0
T30	4781111	355459	230.0
T31	4786230	365116	230.0
T35	4785502	362338	230.0
T36	4782993	361087	230.0
T42	4784679	363801	229.2
T43	4789330	365168	230.0
T44	4789101	364114	230.0
T45	4787294	365807	224.1
T14	4782374	363996	230.0
T47	4786145	362394	230.0
T50	4782713	363595	230.0
T4	4788768	365366	230.0

TOWNSHIP BOUNDARY LIMITS
 COUNTY DRAIN
 EXISTING ELECTRIC TRANSMISSION
 T8
 PROP. TURBINE LOCATION
 TURBINE #
 NON-PARTICIPATING PARCEL
 PROPOSED COLLECTION LINE ROUTE
 (TO BE BURIED NO LESS THAN 4FT)
 PROPOSED CRANEWALK
 PROPOSED ACCESS ROAD GRAVEL
 PROPOSED MET TOWER
 PROPOSED ADLS TOWER
 PROPOSED HAUL ROUTE
 ALTERNATE HAUL ROUTE
 #
 PROPOSED INTERSECTION IMPROVEMENT

NOTE: O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN. ADDITIONALLY, THESE FACILITIES WILL BE FENCED IN AND SECURED.

FREMONT TOWNSHIP ZONING MAP



LEGEND

- TOWNSHIP BOUNDARY LIMITS
- PROP. TURBINE LOCATION
TURBINE #
- PROPOSED COLLECTION LINE ROUTE
(TO BE BURIED NO LESS THAN 4FT)
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER

- | | |
|----------------------------|-------------------------------|
| Agricultural-Business (AB) | Agricultural-Residential (AR) |
| Commercial (C) | Industrial (I) |
| Mobile Home Park (MHP) | Public |
| Residential (R) | |

ZONING MAP
NOT TO SCALE

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

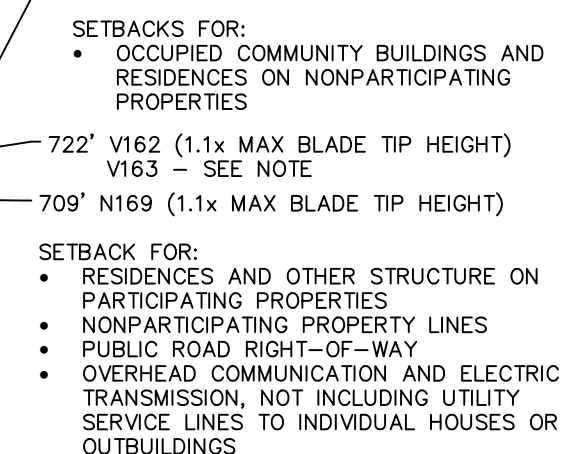
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SOUTHFIELD, MI 48076
248.447.2600

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	04/02/2026
FREMONT TOWNSHIP ZONING MAP	
SANILAC COUNTY, MICHIGAN	
REVISIONS	
SCALE	0
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	3



NO SCALE





WORTH TOWNSHIP

- NOTES:
1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
 3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
 4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
 5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
 6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.



**MORTIMER LINE RD
(66FT ROW)**

BUEL TOWNSHIP

CRIBBINS RD
(66FT ROW)

FREMONT SEC-12

Call before you dig
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

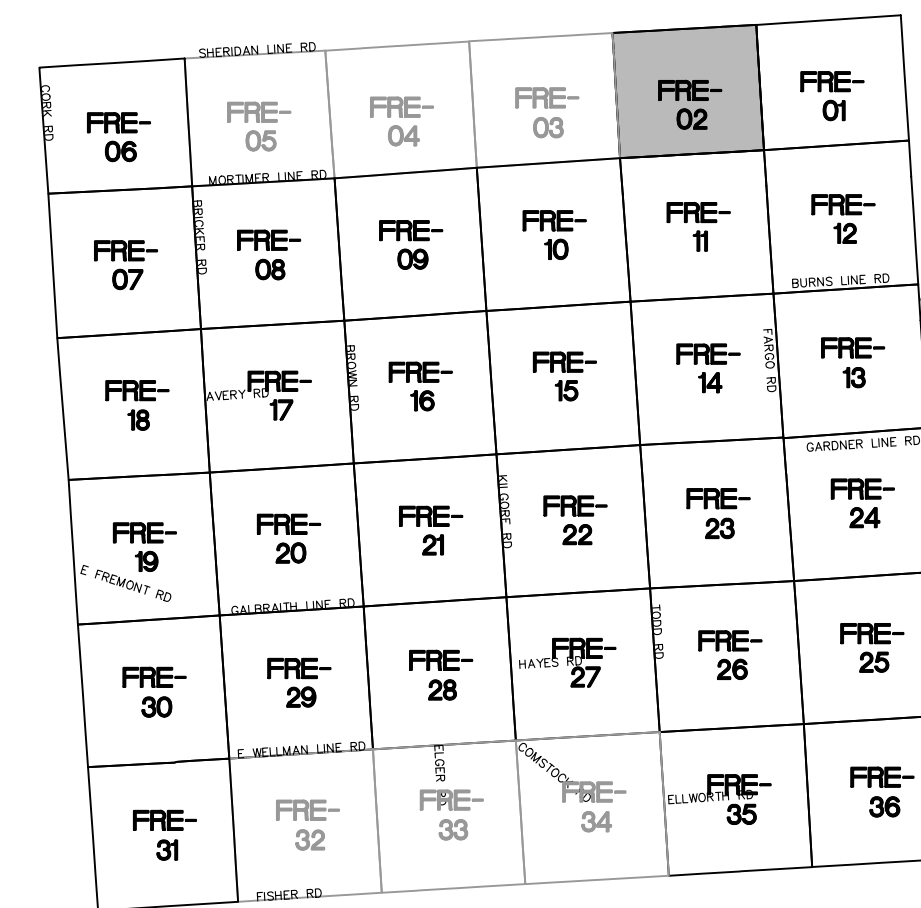
NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE
RESPONSIBILITY OF THE CONTRACTOR.
NEITHER THE OWNER NOR THE ENGINEER
SHALL BE EXPECTED TO ASSUME ANY
RESPONSIBILITY FOR SAFETY OF THE
WORK, OF PERSONS ENGAGED IN THE
WORK, OF ANY NEARBY STRUCTURES, OR
OF ANY OTHER PERSONS.

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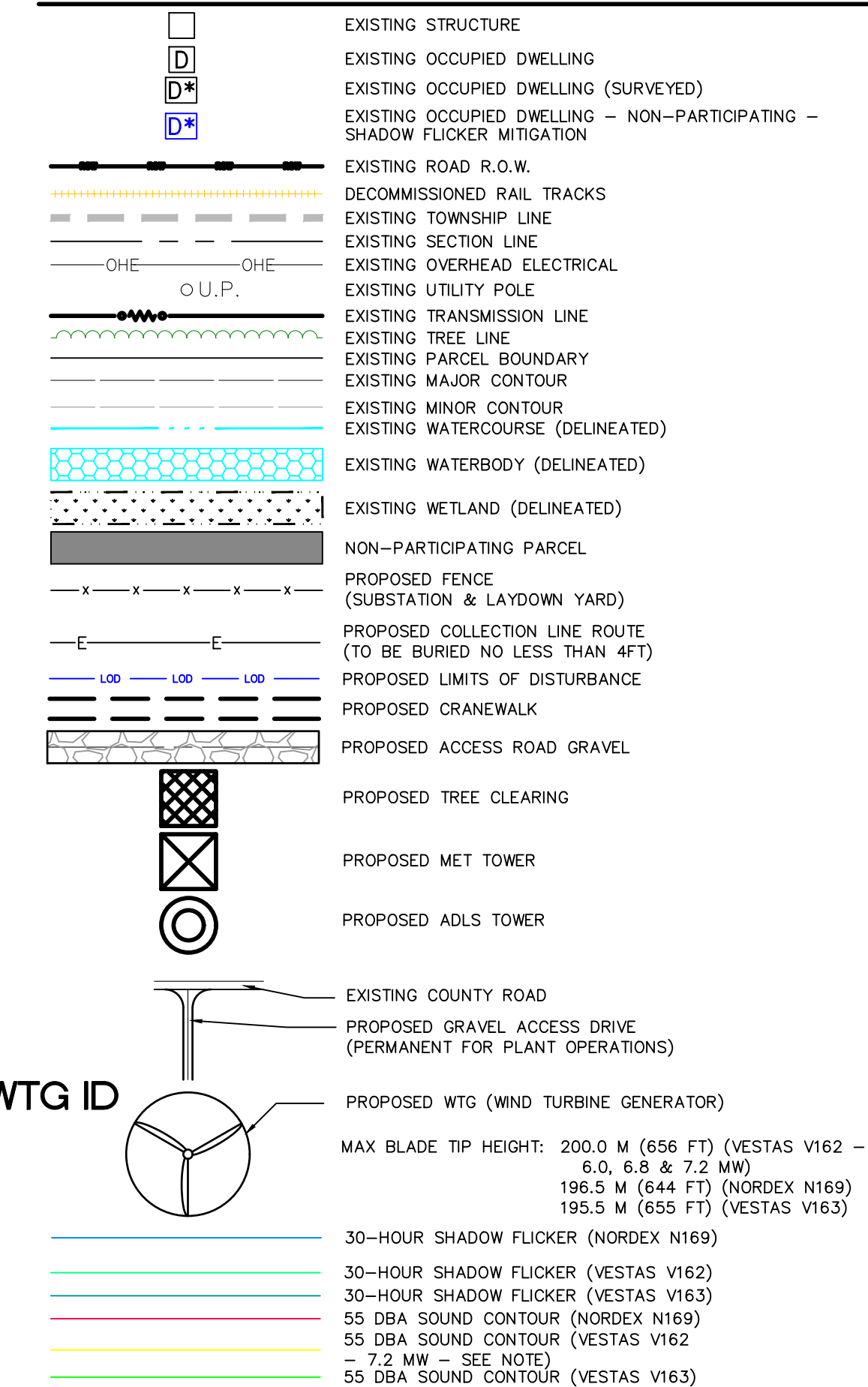
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 TWO TONNE SQUARE, SUITE 700
 SOUTHFIELD, MI 48076
 248.447.2000

47 MI ENERGY DEVELOPMENTS, LLC
 RIVERBEND WIND ENERGY FACILITY
 APPENDIX 1.1-A – PROJECT LAYOUT
 FREMONT TOWNSHIP – SECTION 02

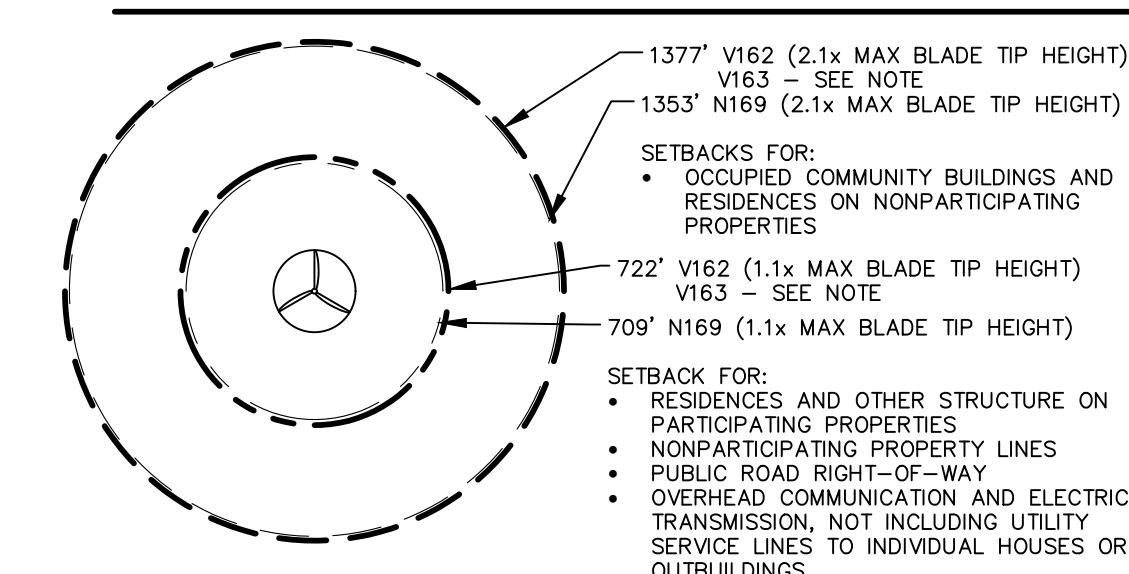
[illegible]

KEY MAP
NO SCALE

LEGEND

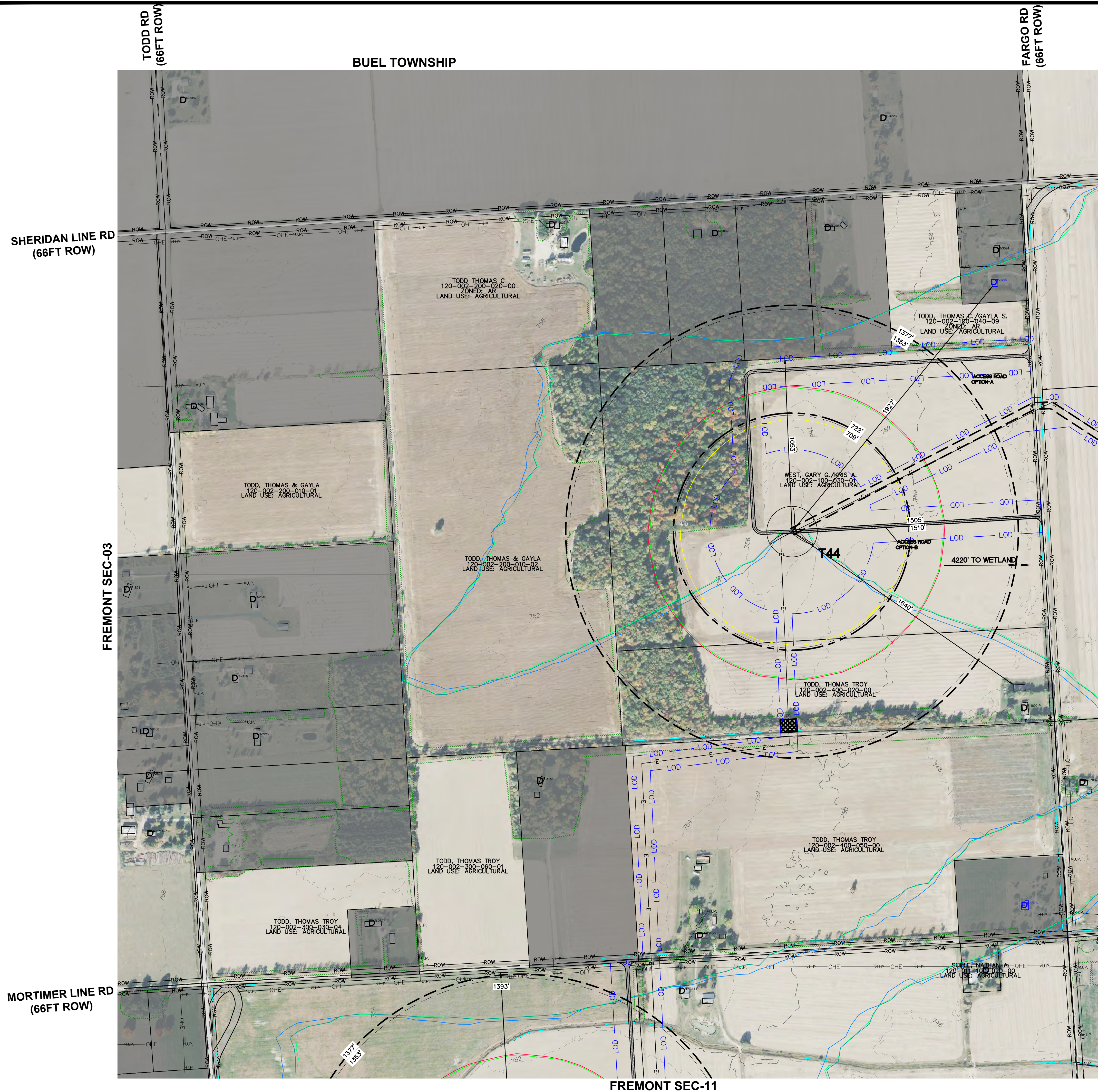


WTG SETBACKS



NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE CONSTRUCTION ROAD WILL BE CONSTRUCTED FOR EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
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\\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSC\21003645-WPSC-03-FRE-INDV.DWG 4/23/2026 1:22 PM BENJAMIN SANFORD

[illegible]

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE USER OR THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE
RESPONSIBILITY OF THE CONTRACTOR.
NEITHER THE OWNER NOR THE ENGINEER
SHALL BE EXPECTED TO ASSUME ANY
RESPONSIBILITY FOR SAFETY OF THE
WORK, OF PERSONS ENGAGED IN THE
WORK, OF ANY NEARBY STRUCTURES, OR
OF ANY OTHER PERSONS.

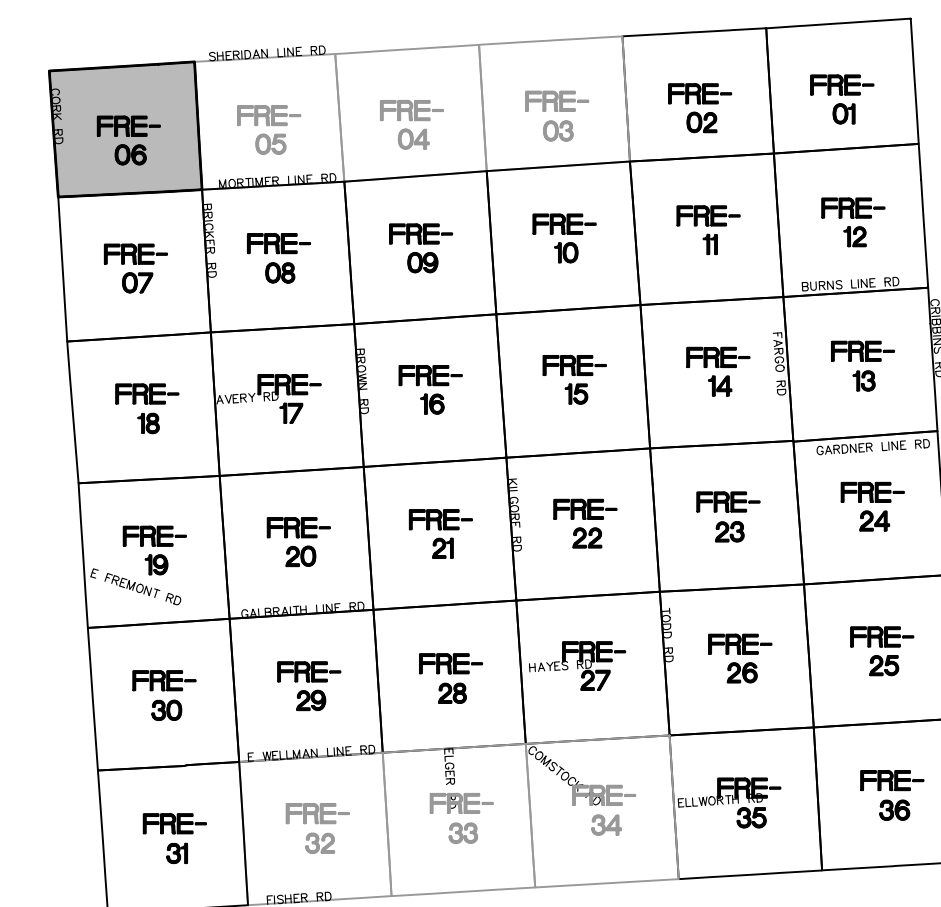
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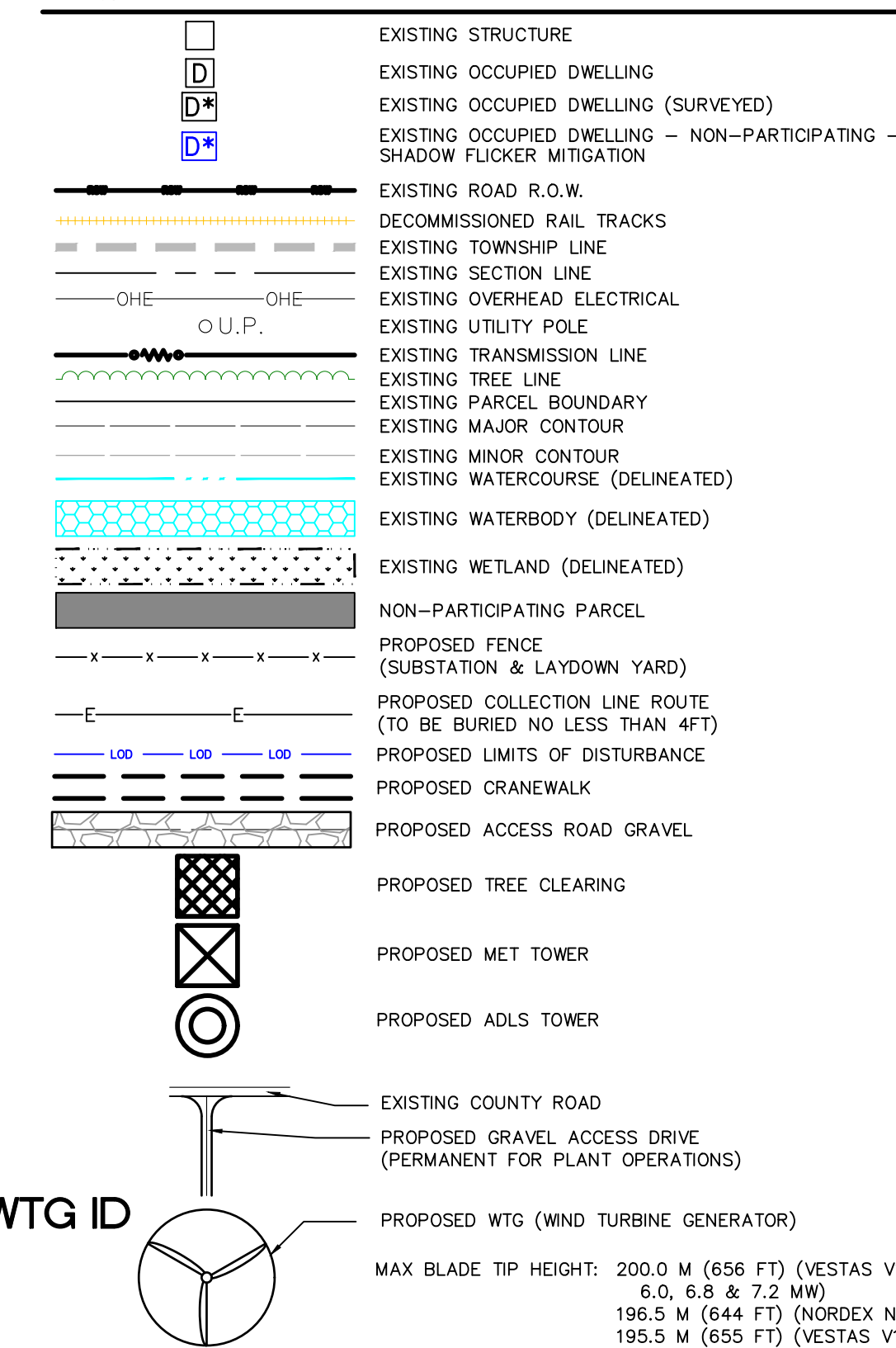
T
MI ENERGY DEVELOPMENTS, LLC
RIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
FREMONT TOWNSHIP – SECTION 06

DATE	12/29/2025		
REVISIONS:			
REVISIONS			
SCALE	0	150	300
			
	1" = 300 FEET		
DR.	MB/GS	 CH.	BS
P.M.	BS		
BOOK	--		
JOB	21003645		
SHEET NO.			
6			

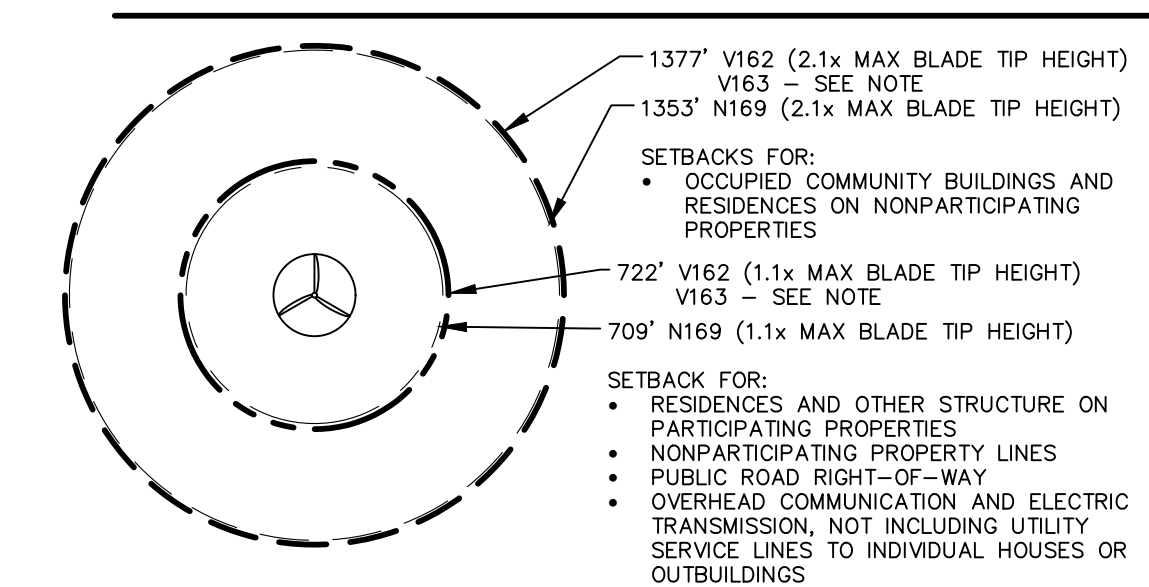


KEY MAP
NO SCALE

LEGEND



WTG SETBACKS



FREMONT SEC-05

NOTES:

- NOTES:
1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
 3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
 4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
 5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



FREMONT SEC-07

Call before you dig

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE
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WORK, OF PERSONS ENGAGED IN THE
WORK, OF ANY NEARBY STRUCTURES, OR
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SECTIONS: VARIOUS
TOWN 09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP
SANILAC COUNTY, MICHIGAN

MI ENERGY DEVELOPMENTS, LLC
NIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
FREMONT TOWNSHIP – SECTION 07

DATE 12/29/2025

REVISIONS:_____

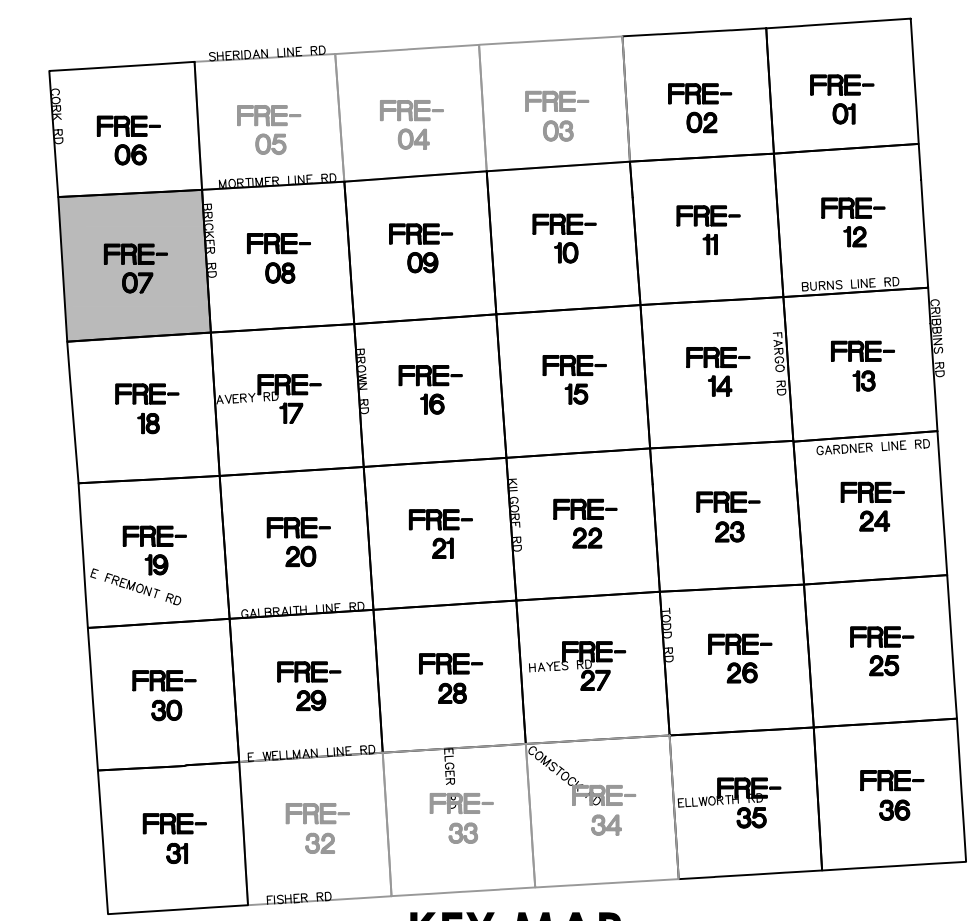
REVISIONS



DR. MB/GS	CH. BS
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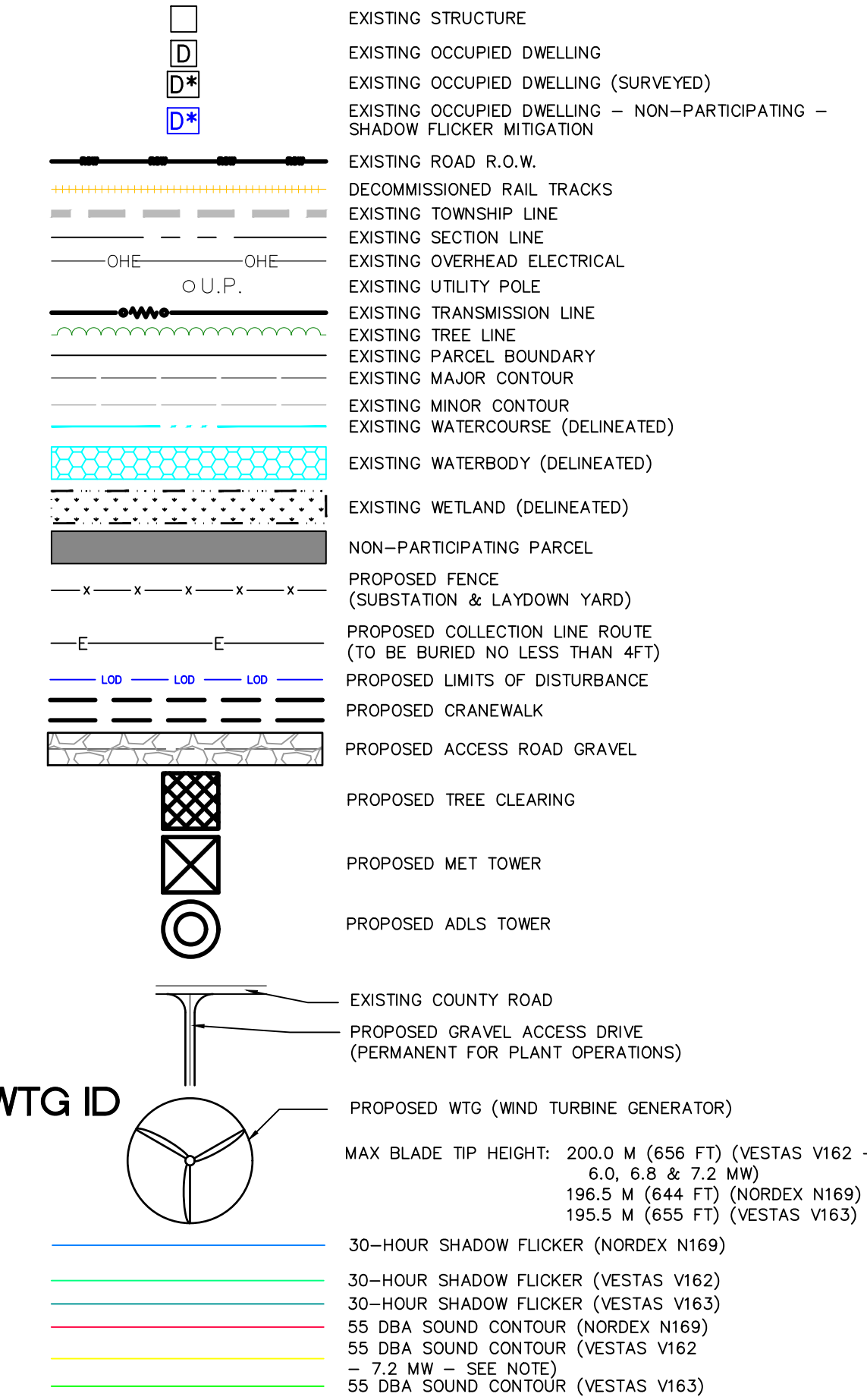
BOOK — —

SHEET NO.
7

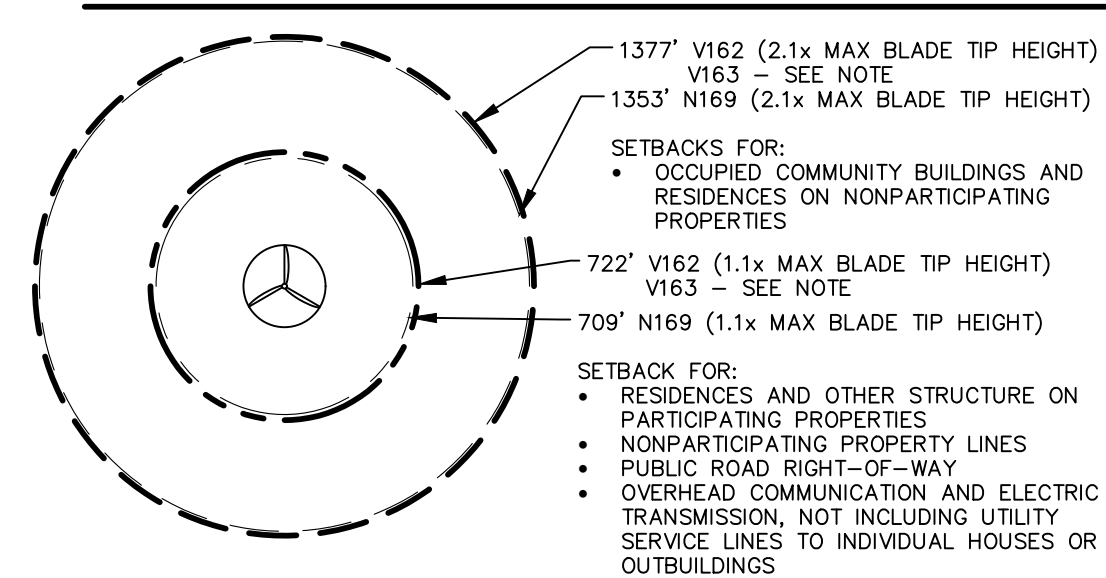


KEY MAP
NO SCALE

LEGEND



WTG SETBACKS



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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



**MORTIMER LINE RD
(66FT ROW)**

BURNS LINE RD (66FT ROW)

FREMONT SEC-18

S:\21003645 - LIBERTY POWER RIVERBEND - INFO PROJECT\DWG\PLAN SETS\WPSC\21003645-WPSC-03-FRE-INDV.DWG 4/23/2026 1:23 PM BENJAMIN SANFORD

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-INDV



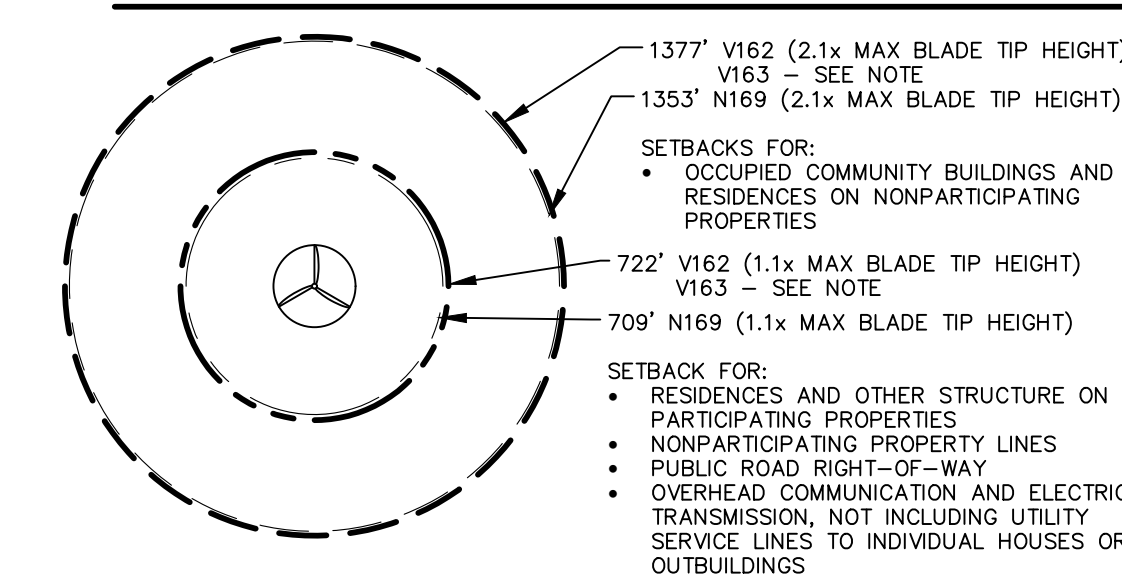
OS 0607	FRE-06 2ND STREET 2ND STREET FRE-07	2ND STREET FRE-08 2ND STREET FRE-09	2ND STREET FRE-10 2ND STREET FRE-11	2ND STREET FRE-12 2ND STREET FRE-13	2ND STREET FRE-14 2ND STREET FRE-15	2ND STREET FRE-16 2ND STREET FRE-17	2ND STREET FRE-18 2ND STREET FRE-19	2ND STREET FRE-20 2ND STREET FRE-21	2ND STREET FRE-22 2ND STREET FRE-23	2ND STREET FRE-24 2ND STREET FRE-25	2ND STREET FRE-26 2ND STREET FRE-27	2ND STREET FRE-28 2ND STREET FRE-29	2ND STREET FRE-30 2ND STREET FRE-31	2ND STREET FRE-32 2ND STREET FRE-33	2ND STREET FRE-34 2ND STREET FRE-35	2ND STREET FRE-36 2ND STREET FRE-37
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KEY MAP
NO SCALE

LEGEND

-
- [Empty Square] EXISTING STRUCTURE
 [D] EXISTING OCCUPIED DWELLING
 [D*] EXISTING OCCUPIED DWELLING (SURVEYED)
 [D*] EXISTING OCCUPIED DWELLING – NON–PARTICIPATING – SHADOW FLICKER MITIGATION
 [Line with cross-ticks] EXISTING ROAD R.O.W.
 [Line with cross-ticks] DECOMMISSIONED RAIL TRACKS
 [Line with cross-ticks] EXISTING TOWNSHIP LINE
 [Line with cross-ticks] EXISTING SECTION LINE
 [Line with cross-ticks] EXISTING OVERHEAD ELECTRICAL
 [Line with cross-ticks] EXISTING UTILITY POLE
 [Line with cross-ticks] EXISTING TRANSMISSION LINE
 [Line with cross-ticks] EXISTING TREE LINE
 [Line with cross-ticks] EXISTING PARCEL BOUNDARY
 [Line with cross-ticks] EXISTING MAJOR CONTOUR
 [Line with cross-ticks] EXISTING MINOR CONTOUR
 [Line with cross-ticks] EXISTING WATERCOURSE (DELINEATED)
 [Line with cross-ticks] EXISTING WATERBODY (DELINEATED)
 [Line with cross-ticks] EXISTING WETLAND (DELINEATED)
 [Line with cross-ticks] NON–PARTICIPATING PARCEL
 [Line with cross-ticks] PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
 [Line with cross-ticks] PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
 [Line with cross-ticks] PROPOSED LIMITS OF DISTURBANCE
 [Line with cross-ticks] PROPOSED CRANEWALK
 [Line with cross-ticks] PROPOSED ACCESS ROAD GRAVEL
 [Line with cross-ticks] PROPOSED TREE CLEARING
 [Line with cross-ticks] PROPOSED MET TOWER
 [Line with cross-ticks] PROPOSED ADLS TOWER
 [Line with cross-ticks] EXISTING COUNTY ROAD
 [Line with cross-ticks] PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
 [Line with cross-ticks] PROPOSED WTG (WIND TURBINE GENERATOR)
 MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.8 & 7.2 MW)
 196.5 M (644 FT) (NORDEX N169)
 195.5 M (655 FT) (VESTAS V163)
 30–HOUR SHADOW FLICKER (NORDEX N169)
 30–HOUR SHADOW FLICKER (VESTAS V162)
 30–HOUR SHADOW FLICKER (VESTAS V163)
 55 DBA SOUND CONTOUR (NORDEX N169)
 55 DBA SOUND CONTOUR (VESTAS V162 – 7.2 MW – SEE NOTE)
 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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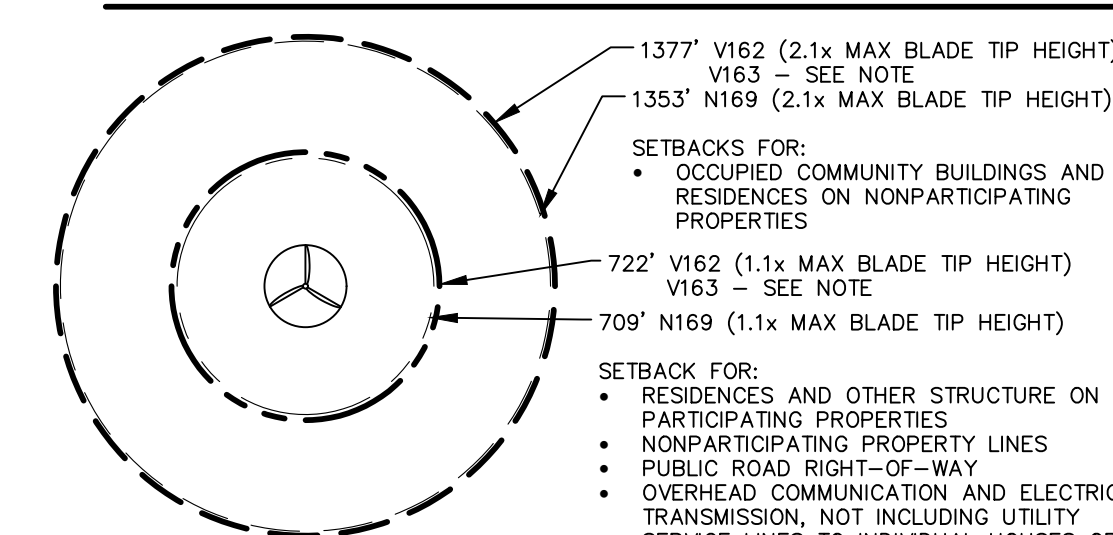
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	FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
	WINDYBUSH LINE RD					
	FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
	BURNS LINE RD					
		FRE-13	FRE-14	FRE-15	FRE-16	FRE-17
	101 WEST					
	FRE-18	FRE-19	FRE-20	FRE-21	FRE-22	FRE-23
	102 WEST					
		FRE-24	FRE-25	FRE-26	FRE-27	FRE-28
	103 WEST					
	FRE-29	FRE-30	FRE-31	FRE-32	FRE-33	FRE-34
	104 WEST					
		FRE-35	FRE-36	FRE-37	FRE-38	FRE-39
	105 WEST					
	FRE-40	FRE-41	FRE-42	FRE-43	FRE-44	FRE-45
	106 WEST					
		FRE-46	FRE-47	FRE-48	FRE-49	FRE-50
	107 WEST					
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	108 WEST					
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	109 WEST					
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	110 WEST					
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	111 WEST					
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	204 WEST					
		FRE-585	FRE-586	FRE-587	FRE-588	FRE-589
	205 WEST					
	FRE-590	FRE-591	FRE-592	FRE-593	FRE-594	FRE-595
	206 WEST					
		FRE-596	FRE-597	FRE-598	FRE-599	FRE-600
	207 WEST					
	FRE-601	FRE-602	FRE-603	FRE-604	FRE-605	FRE-606
	208 WEST					
		FRE-607	FRE-608	FRE-609	FRE-610	FRE-611
	209 WEST					
	FRE-612	FRE-613	FRE-614	FRE-615	FRE-616	FRE-617
	210 WEST					
		FRE-618	FRE-619	FRE-620	FRE-621	FRE-622
	211 WEST					
	FRE-623	FRE-624	FRE-625	FRE-626	FRE-627	FRE-628
	212 WEST					
		FRE-629	FRE-630	FRE-631	FRE-632	FRE-633
	213 WEST					
	FRE-634	FRE-635	FRE-636	FRE-637	FRE-638	FRE-639
	214 WEST					
		FRE-640	FRE-641	FRE-642	FRE-643	FRE-644
	215 WEST					
	FRE-645	FRE-646	FRE-647	FRE-648	FRE-649	FRE-650
	216 WEST					
		FRE-651	FRE-652	FRE-653	FRE-654	FRE-655
	217 WEST					
	FRE-656	FRE-657	FRE-658	FRE-659	FRE-660	FRE-661
	218 WEST					
		FRE-662	FRE-663	FRE-664	FRE-665	FRE-666
	219 WEST					
	FRE-667	FRE-668	FRE-669	FRE-670	FRE-671	FRE-672
	220 WEST					
		FRE-673	FRE-674	FRE-675	FRE-676	FRE-677
	221 WEST					
	FRE-678	FRE-679	FRE-680	FRE-681	FRE-682	FRE-683
	222 WEST					
		FRE-684	FRE-685	FRE-686	FRE-687	FRE-688
	223 WEST					
	FRE-689	FRE-690	FRE-691	FRE-692	FRE-693	FRE-694
	224 WEST					
		FRE-695	FRE-696	FRE-697	FRE-698	FRE-699
	225 WEST					
	FRE-700	FRE-701	FRE-702	FRE-703	FRE-704	FRE-705
	226 WEST					
		FRE-706	FRE-707	FRE-708	FRE-709	FRE-710
	227 WEST					
	FRE-711	FRE-712	FRE-713	FRE-714	FRE-715	FRE-716
	228 WEST					
		FRE-717	FRE-718	FRE-719	FRE-720	FRE-721
	229 WEST					
	FRE-722	FRE-723	FRE-724	FRE-725	FRE-726	FRE-727
	230 WEST					
		FRE-728	FRE-729	FRE-730	FRE-731	FRE-732
	231 WEST					
	FRE-733	FRE-734	FRE-735	FRE-736	FRE-737	FRE-738
	232 WEST					
		FRE-739	FRE-740	FRE-741	FRE-742	FRE-743
	233 WEST					
	FRE-744	FRE-745	FRE-746	FRE-747	FRE-748	FRE-749
	234 WEST					
		FRE-750	FRE-751	FRE-752	FRE-753	FRE-754
	235 WEST					
	FRE-755	FRE-756	FRE-757	FRE-758	FRE-759	FRE-760
	236 WEST					
		FRE-761	FRE-762	FRE-763	FRE-764	FRE-765
	237 WEST					
	FRE-766	FRE-767	FRE-768	FRE-769	FRE-770	FRE-771
	238 WEST					
		FRE-772	FRE-773	FRE-774	FRE-775	FRE-776
	239 WEST					
	FRE-777	FRE-778	FRE-779	FRE-780	FRE-781	FRE-782
	240 WEST					
		FRE-783	FRE-784	FRE-785	FRE-786	FRE-787
	241 WEST					
	FRE-788	FRE-789	FRE-790	FRE-791	FRE-792	FRE-793
	242 WEST					
		FRE-794	FRE-795	FRE-796	FRE-797	FRE-798
	243 WEST					
	FRE-799	FRE-800	FRE-801	FRE-802	FRE-803	FRE-804
	244 WEST					
		FRE-805	FRE-806	FRE-807	FRE-808	FRE-809
	245 WEST					
	FRE-810	FRE-811	FRE-812	FRE-813	FRE-814	FRE-815
	246 WEST					
		FRE-8				

KEY MAP
NO SCALE

LEGEND

-
- [Empty Square] EXISTING STRUCTURE
 [D] EXISTING OCCUPIED DWELLING
 [D with star] EXISTING OCCUPIED DWELLING (SURVEYED)
 [D with star and cross] EXISTING OCCUPIED DWELLING – NON–PARTICIPATING – SHADOW FLICKER MITIGATION
 [Dashed line] EXISTING ROAD R.O.W.
 [Dashed line with cross-ticks] DECOMMISSIONED RAIL TRACKS
 [Dashed line with cross-ticks] EXISTING TOWNSHIP LINE
 [Dashed line] EXISTING SECTION LINE
 [Dashed line with cross-ticks] EXISTING OVERHEAD ELECTRICAL
 [Dashed line] EXISTING UTILITY POLE
 [Dashed line] EXISTING TRANSMISSION LINE
 [Dashed line] EXISTING TREE LINE
 [Dashed line] EXISTING PARCEL BOUNDARY
 [Dashed line] EXISTING MAJOR CONTOUR
 [Dashed line] EXISTING MINOR CONTOUR
 [Dashed line] EXISTING WATERCOURSE (DELINEATED)
 [Blue hatched area] EXISTING WATERBODY (DELINEATED)
 [Dark grey area] EXISTING WETLAND (DELINEATED)
 [Dashed line] NON–PARTICIPATING PARCEL
 [Dashed line] PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
 [Dashed line] PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
 [Dashed line] PROPOSED LIMITS OF DISTURBANCE
 [Dashed line] PROPOSED CRANEWALK
 [Dashed line] PROPOSED ACCESS ROAD GRAVEL
 [Cross-hatched area] PROPOSED TREE CLEARING
 [Square with X] PROPOSED MET TOWER
 [Circle with dot] PROPOSED ADLS TOWER
 [T-shaped symbol] EXISTING COUNTY ROAD
 [Dashed line] PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
 [Wind turbine symbol] PROPOSED WTG (WIND TURBINE GENERATOR)
 MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.8 & 7.2 MW)
 196.5 M (644 FT) (NORDEX N169)
 195.5 M (655 FT) (VESTAS V163)
 30–HOUR SHADOW FLICKER (NORDEX N169)
 30–HOUR SHADOW FLICKER (VESTAS V162)
 30–HOUR SHADOW FLICKER (VESTAS V163)
 55 DBA SOUND CONTOUR (NORDEX N169)
 55 DBA SOUND CONTOUR (VESTAS V162)
 7.2 MW – (SEE NOTE)
 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
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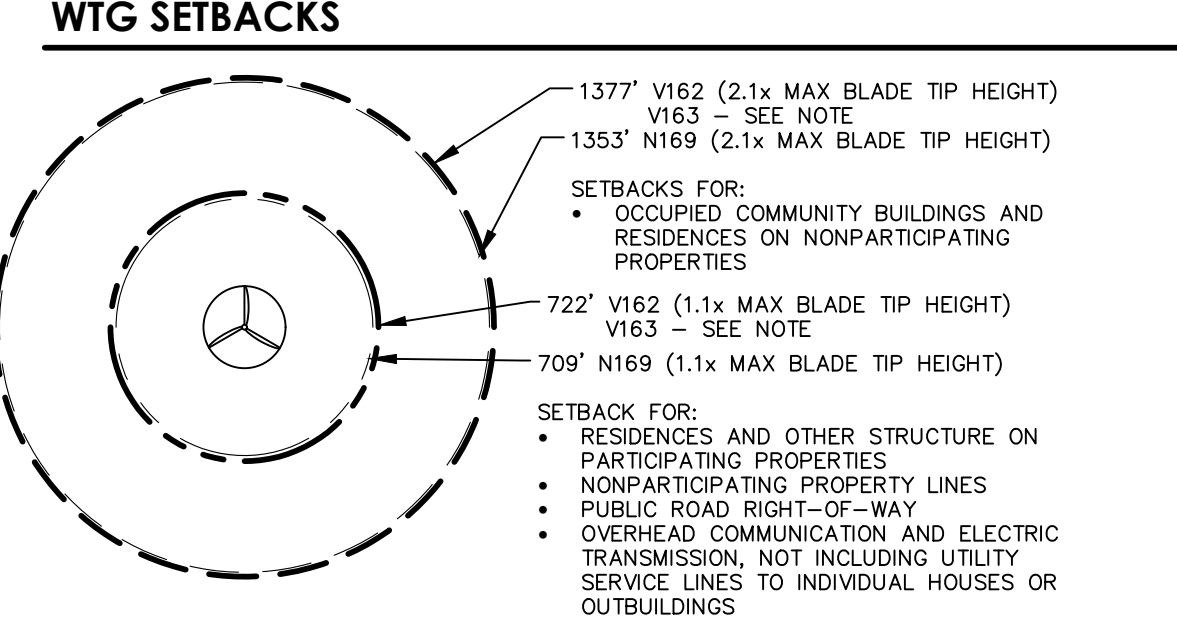


		SANDWICH LINE RD					
FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01		
	MADISON LINE RD						
FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12	BURNS LINE RD	
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13		
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24	SANDWICH LINE RD	
E FRONT ST RD							
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25		
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36		

KEY MAP

LEGEND

- | | |
|--|--|
| | EXISTING STRUCTURE |
| | EXISTING OCCUPIED DWELLING |
| | EXISTING OCCUPIED DWELLING (SURVEYED) |
| | EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION |
| | EXISTING ROAD R.O.W. |
| | DECOMMISSIONED RAIL TRACKS |
| | EXISTING TOWNSHIP LINE |
| | EXISTING SECTION LINE |
| | EXISTING OVERHEAD ELECTRICAL |
| | EXISTING UTILITY POLE |
| | EXISTING TRANSMISSION LINE |
| | EXISTING TREE LINE |
| | EXISTING PARCEL BOUNDARY |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | EXISTING WATERCOURSE (DELINEATED) |
| | EXISTING WATERBODY (DELINEATED) |
| | EXISTING WETLAND (DELINEATED) |
| | NON-PARTICIPATING PARCEL |
| | PROPOSED FENCE (SUBSTATION & LAYDOWN YARD) |
| | PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT) |
| | PROPOSED LIMITS OF DISTURBANCE |
| | PROPOSED CRANEWALK |
| | PROPOSED ACCESS ROAD GRAVEL |
| | PROPOSED TREE CLEARING |
| | PROPOSED MET TOWER |
| | PROPOSED ADLS TOWER |
| | EXISTING COUNTY ROAD |
| | PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS) |
| | PROPOSED WTG (WIND TURBINE GENERATOR) |
| | MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.8 & 7.2 MW)
196.5 M (644 FT) (NORDEX V169)
195.5 M (655 FT) (VESTAS V163) |
| | 30-HOUR SHADOW FLICKER (NORDEX V169) |
| | 30-HOUR SHADOW FLICKER (VESTAS V162) |
| | 30-HOUR SHADOW FLICKER (VESTAS V163) |
| | 55 DBA SOUND CONTOUR (NORDEX V169) |
| | 55 DBA SOUND CONTOUR (VESTAS V162 – 7.2 MW – SEE NOTE) |
| | 55 DBA SOUND CONTOUR (VESTAS V163) |



NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
3. 0.8M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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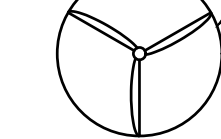
MI ENERGY DEVELOPMENTS, LLC
 IVERBEND WIND ENERGY FACILITY
 PENDIX 1.1-A – PROJECT LAYOUT
 FREMONT TOWNSHIP – SECTION 11

REVISIONS:

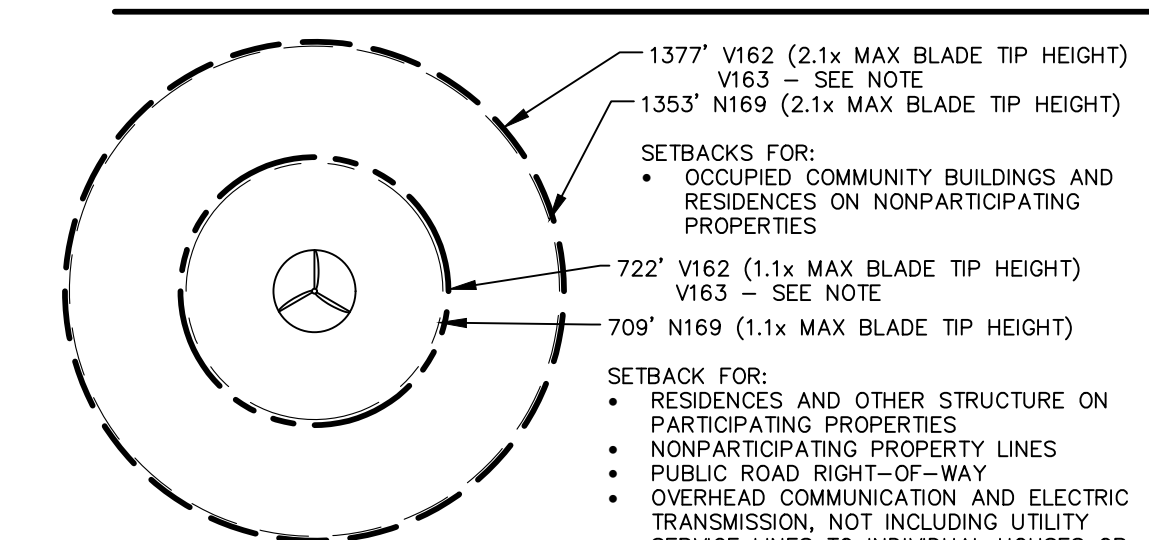
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1" = 300 FEET			
DR. MB/GS	CH.	BS	
P.M. BS			
BOOK	--		
JOB	21003645		
SHEET NO.			
11			



- VTG ID

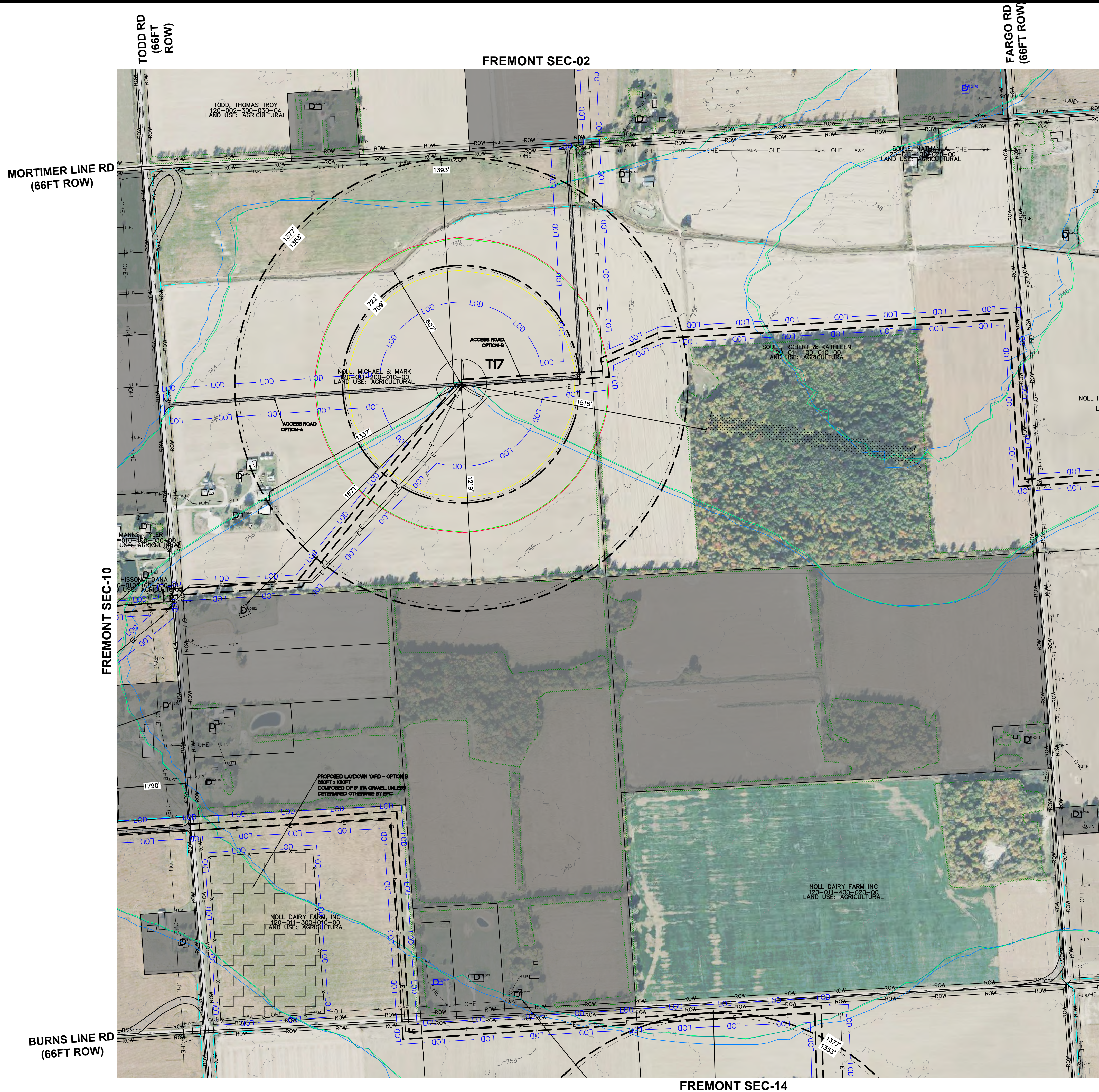


- ## WTG SETBACKS

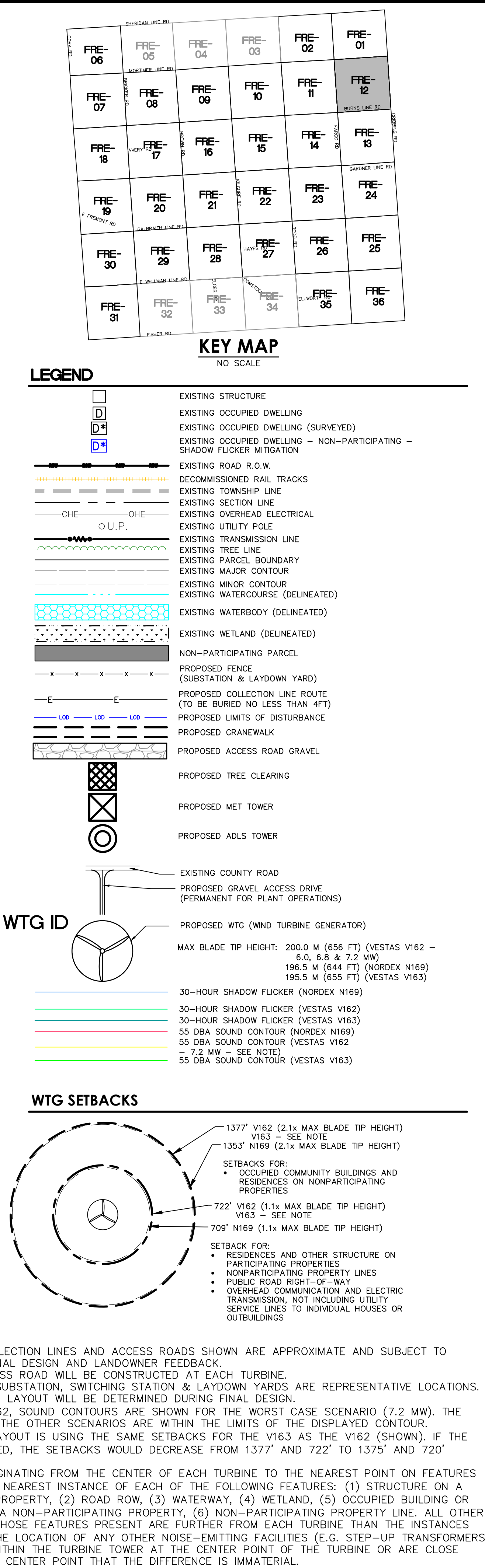
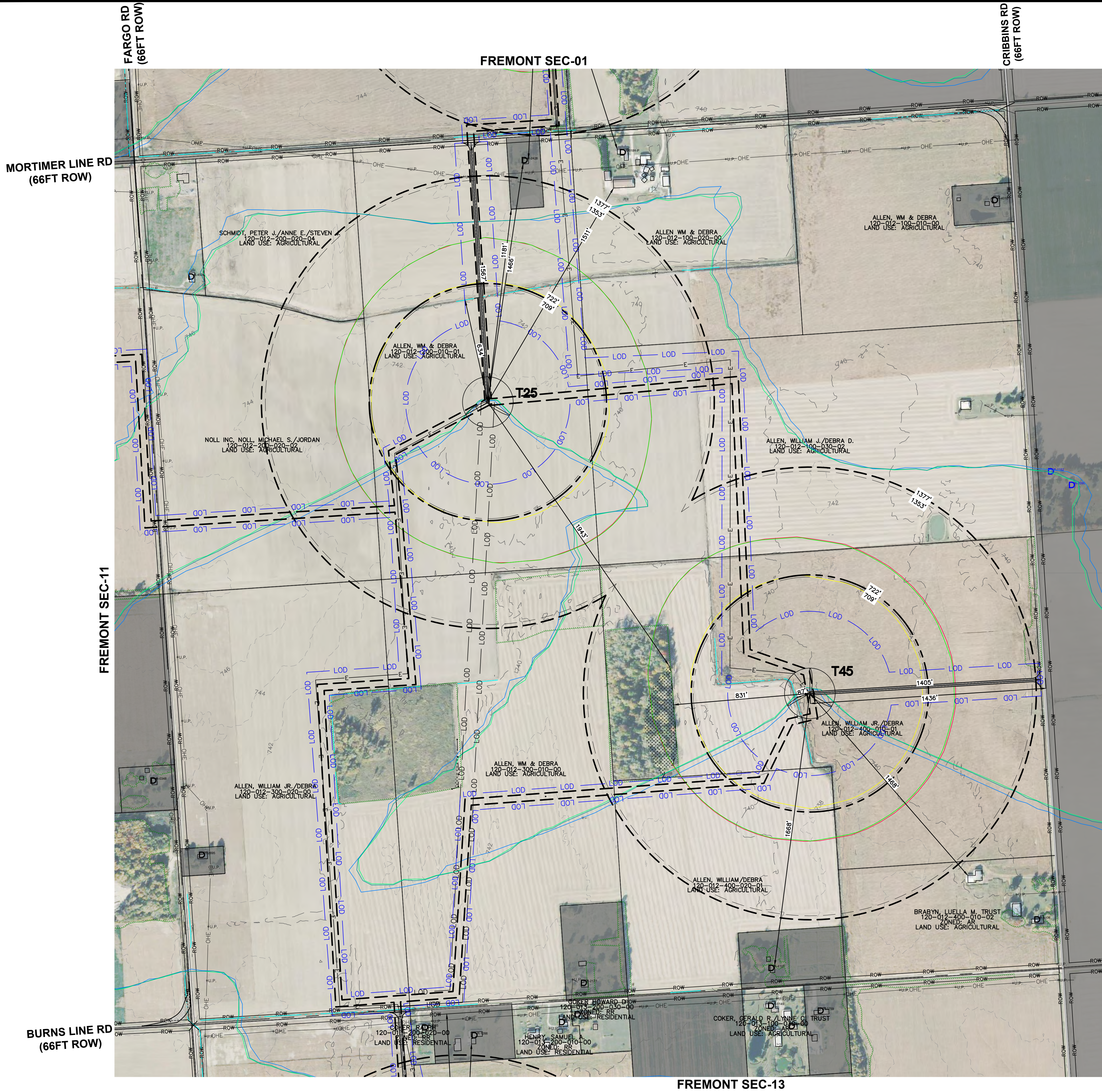


NOTES:

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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



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NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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SECTIONS: VARIOUS	TOWN 09 NORTH, RANGE 15 EAST	CLIENT MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
FREMONT TOWNSHIP	SANILAC COUNTY, MICHIGAN	
FREMONT TOWNSHIP - SECTION 12		DATE 12/29/2025
REVISIONS:		REVISIONS
SCALE 0 150 300 1" = 300 FEET		DR. MB/GS/CH. BS
P.M. BS		BOOK
JOB 21003645		SHEET NO. 12

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPS03\21003645-WPSC-03-FRE-001.dwg

BURNS LINE RD
(66FT ROW)

FARGO RD
(66FT ROW)

FREMONT SEC-12

CRIBBINS RD
(66FT ROW)

FREMONT SEC-14

GARDNER LINE RD
(66FT ROW)

FREMONT SEC-24

WORTH TOWNSHIP

FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

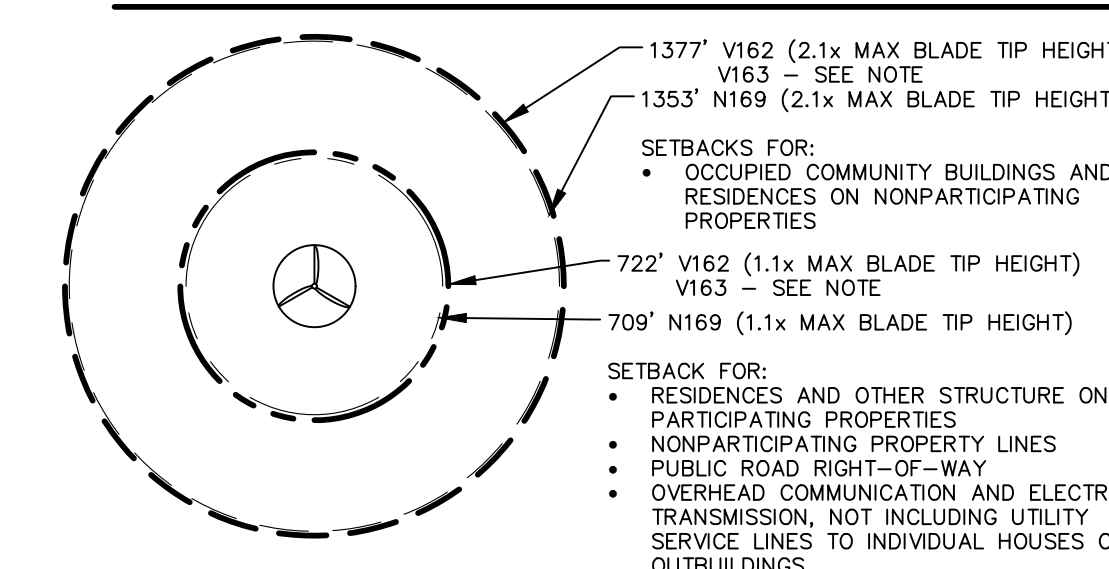
KEY MAP

NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
	EXISTING PARCEL BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED CRANE/WALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162)
	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
FREMONT TOWNSHIP - SECTION	13

DATE 12/29/2025

REVISIONS:

REVISIONS	
SCALE	0 150 300
1" =	300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	13

BURNS LINE RD
(66FT ROW)

FREMONT SEC-15

GARDNER LINE RD
(66FT ROW)



FREMONT SEC-23



FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

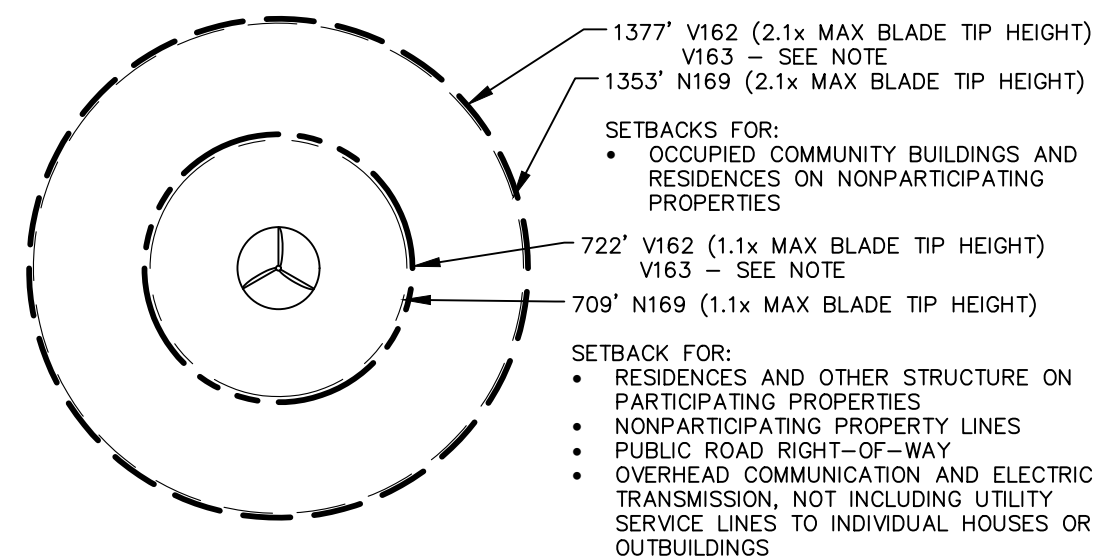
KEY MAP

NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
	EXISTING PARCEL BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED CRANE/WALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	7.2 MW - SEE NOTE
	55 DBA SOUND CONTOUR (VESTAS V162)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



NOTES:

- ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
- ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
- O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



Know what's below.

Call before you dig.

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NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
FREMONT TOWNSHIP - SECTION	14

DATE 12/29/2025

REVISIONS:

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	14



100 00007 FRE-06	SERIAL LINE NO. FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
100 00008 FRE-07	100 00009 FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	100 00010 FRE-17	100 00011 FRE-16	FRE-15	100 00012 FRE-14	100 00013 FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

- EXISTING STRUCTURE

EXISTING OCCUPIED DWELLING

EXISTING OCCUPIED DWELLING (SURVEYED)

EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION

EXISTING ROAD R.O.W.

DECOMMISSIONED RAIL TRACKS

EXISTING TOWNSHIP LINE

EXISTING SECTION LINE

EXISTING OVERHEAD ELECTRICAL

EXISTING UTILITY POLE

EXISTING TRANSMISSION LINE

EXISTING TREE LINE

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EXISTING MINOR CONTOUR

EXISTING WATERCOURSE (DELINEATED)

EXISTING WATERBODY (DELINEATED)

EXISTING WETLAND (DELINEATED)

NON-PARTICIPATING PARCEL

PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)

PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)

PROPOSED LIMITS OF DISTURBANCE

PROPOSED CRANEWALK

PROPOSED ACCESS ROAD GRAVEL

PROPOSED TREE CLEARING

PROPOSED MET TOWER

PROPOSED ADLS TOWER

EXISTING COUNTY ROAD

PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)

PROPOSED WTG (WIND TURBINE GENERATOR)

MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 - 6.0, 6.8 & 7.2 MW)

196.5 M (644 FT) (NORDEX N169)

195.5 M (655 FT) (VESTAS V163)

30-HOUR SHADOW FLICKER (NORDEX N169)

30-HOUR SHADOW FLICKER (VESTAS V162)

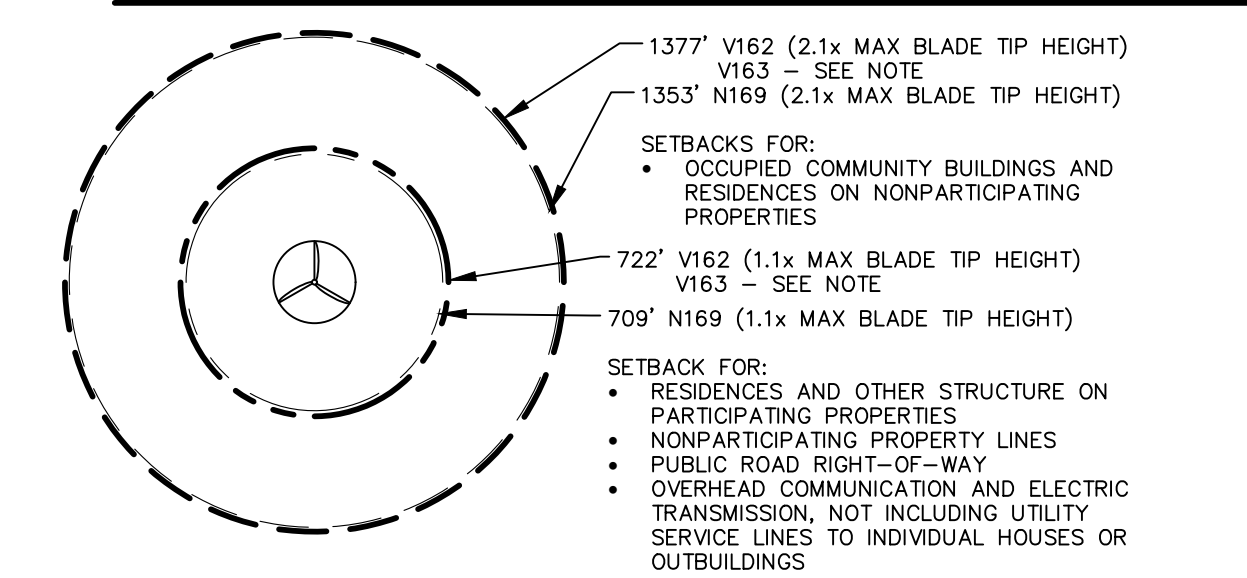
30-HOUR SHADOW FLICKER (VESTAS V163)

55 DBA SOUND CONTOUR (NORDEX N169)

55 DBA SOUND CONTOUR (VESTAS V162 - 7.2 MW - SEE NOTE)

55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



NOTES

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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

811
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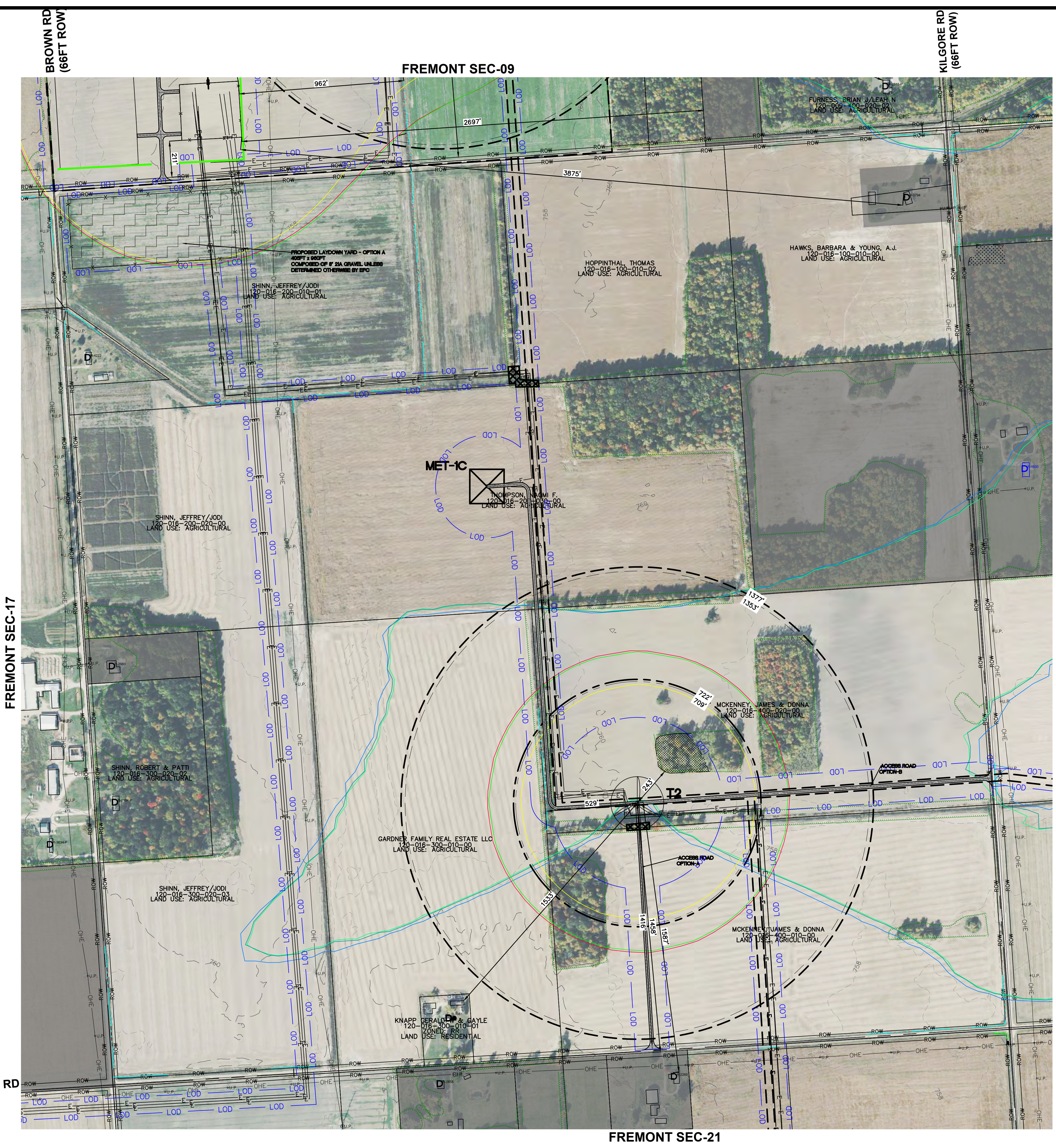
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TWO TOWNE SQUARE, SUITE 700
SOUTHFIELD, MI 48076
248.447.2600

SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	

REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	16

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-001



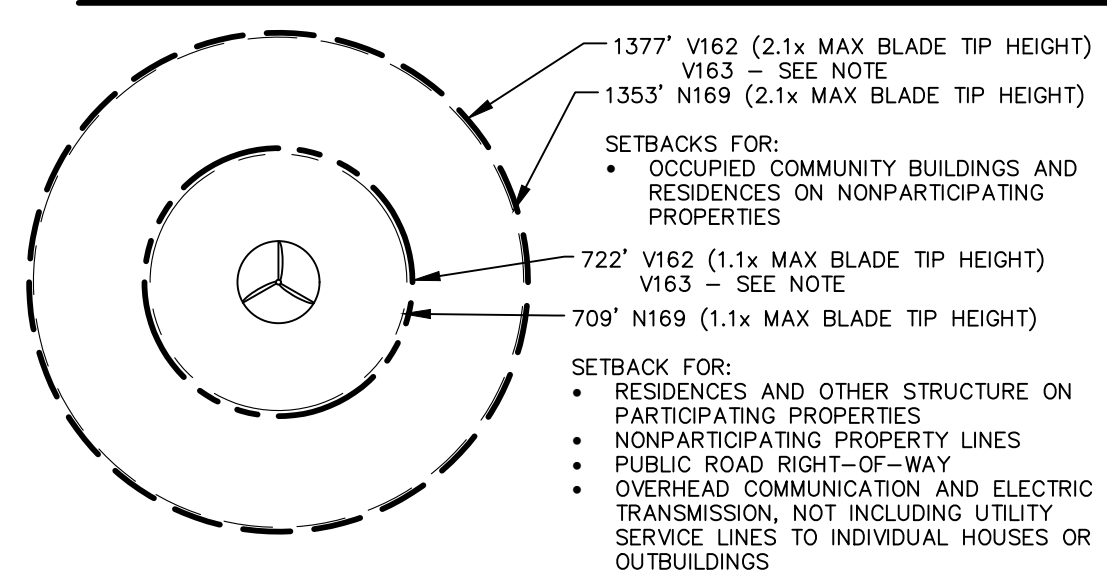
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FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

- EXISTING STRUCTURE
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- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
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- 30-HOUR SHADOW FLICKER (NORDEX N169)
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- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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MI ENERGY DEVELOPMENTS, LLC
 WINDVERBEND WIND ENERGY FACILITY
 APPENDIX 1.1-A – PROJECT LAYOUT
 FREMONT TOWNSHIP – SECTION 17

REVISIONS:

REVISIONS	
SCALE	0 150 300  1" = 300 FEET
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO. 17	



NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
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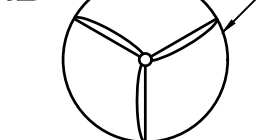
105 WEST	SHERMAN LINE RD.					
FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01	
105 WEST	WORTHINGTON LANE RD.					
FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12	
						BURNS LINE RD.
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13	105 WEST
						105 WEST
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24	105 WEST
E. FREMONT RD.	CALVERT LINE RD.					GARDNER LINE RD.
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25	
	E. WELLMAN LINE RD.					
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36	
	105 WEST			ELWELL		
	105 WEST					

KEY MAP
NO SCALE

LEGEND

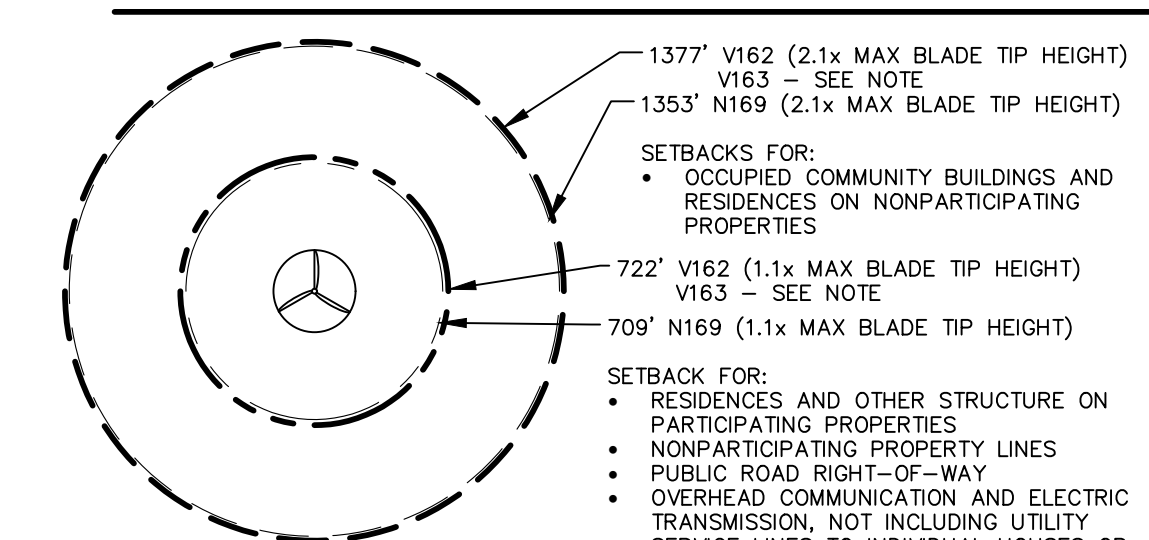
-
- [Empty square] EXISTING STRUCTURE
 [D] EXISTING OCCUPIED DWELLING
 [D*] EXISTING OCCUPIED DWELLING (SURVEYED)
 [D*] EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION
 [Black line with cross-ticks] EXISTING ROAD R.O.W.
 [Dashed line] DECOMMISSIONED RAIL TRACKS
 [Dashed line] EXISTING TOWNSHIP LINE
 [Dashed line] EXISTING SECTION LINE
 [Dashed line] EXISTING OVERHEAD ELECTRICAL
 [Line with 'O.U.P.' label] EXISTING UTILITY POLE
 [Line with cross-ticks] EXISTING TRANSMISSION LINE
 [Wavy line] EXISTING TREE LINE
 [Dashed line] EXISTING PARCEL BOUNDARY
 [Dashed line] EXISTING MAJOR CONTOUR
 [Dashed line] EXISTING MINOR CONTOUR
 [Dashed line] EXISTING WATERCOURSE (DELINEATED)
 [Blue hatched area] EXISTING WATERBODY (DELINEATED)
 [Dotted area] EXISTING WETLAND (DELINEATED)
 [Solid grey area] NON-PARTICIPATING PARCEL
 [Line with 'x' markers] EXISTING FENCE (SUBSTATION & LAYDOWN YARD)
 [Line with 'E' markers] PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
 [Blue line with 'LOD' markers] PROPOSED LIMITS OF DISTURBANCE
 [Thick black line] PROPOSED CRANEWALK
 [Patterned area] PROPOSED ACCESS ROAD GRAVEL

WTG ID



- 30-HOUR SHADOW FLICKER (NORDEX N169)
30-HOUR SHADOW FLICKER (VESTAS V162)
30-HOUR SHADOW FLICKER (VESTAS V163)
55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



SCALE 0 150 300

ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER
OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES
D THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS)

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JOB	21003645
SHEET NO.	

17

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

BURNS LINE RD
(66FT ROW)

SPEAKER TOWNSHIP

GARDNER LINE RD
(66FT ROW)

FARGO RD
(66FT ROW)

FREMONT SEC-07



FREMONT SEC-19

BRICKER RD
(66FT ROW)

FREMONT SEC-17



SHERIDAN LINE RD					
FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
FARGO RD	FRE-07	FRE-08	FRE-09	FRE-10	FRE-11
	FRE-18	FRE-17	FRE-16	FRE-15	FRE-14
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	FRE-30	FRE-29	FRE-28	FRE-27	FRE-26
GARDNER LINE RD					
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36
POWER RD					

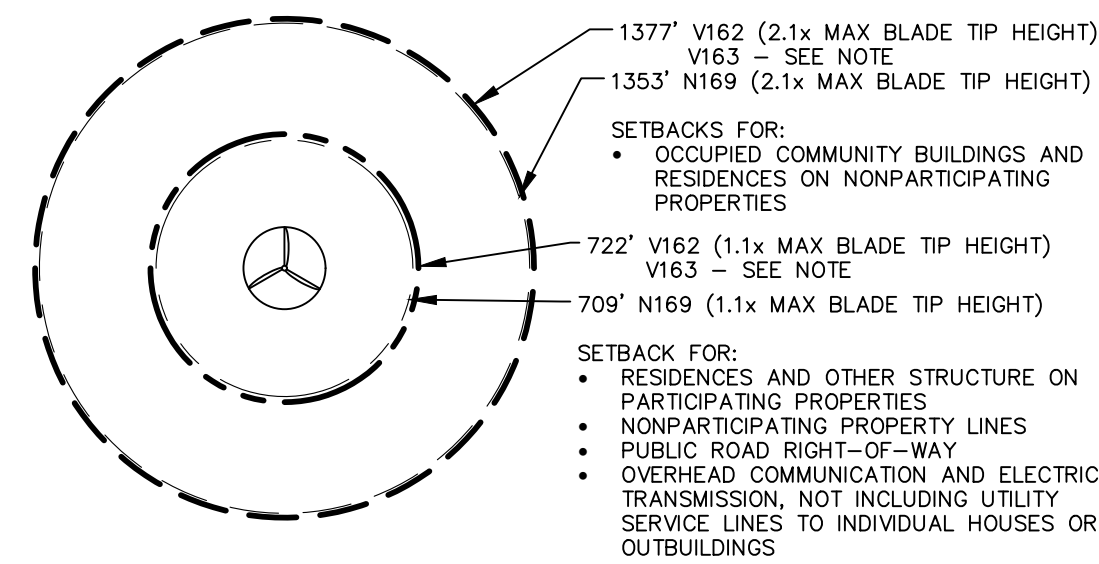
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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WATERBODY (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED CRANE/WALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162 - 7.2 MW - SEE NOTE)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



NOTES:

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248.441.2600

CLIENT	M ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	18

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-001.DWG

GARDNER LINE RD
(66FT ROW)

GALBRAITH LINE RD
(66FT ROW)

SPEAKER TOWNSHIP

CORK RD
(66FT ROW)

FREMONT SEC-18

BRICKER RD
(66FT ROW)

FREMONT SEC-20

FREMONT SEC-30



SECTION LINE RD					
FRE-06	FRE-05	FRE-04	FRE-03	FRE-02	FRE-01
WINDMILL LINE RD					
FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
BURNS LINE RD					
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
GARDNER LINE RD					
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
JAN BRADY LINE RD					
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
E. MULLAN LINE RD					
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36
FOSTER RD					

KEY MAP

NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
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	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	WTG SETBACKS

WTG ID

WTG SETBACKS

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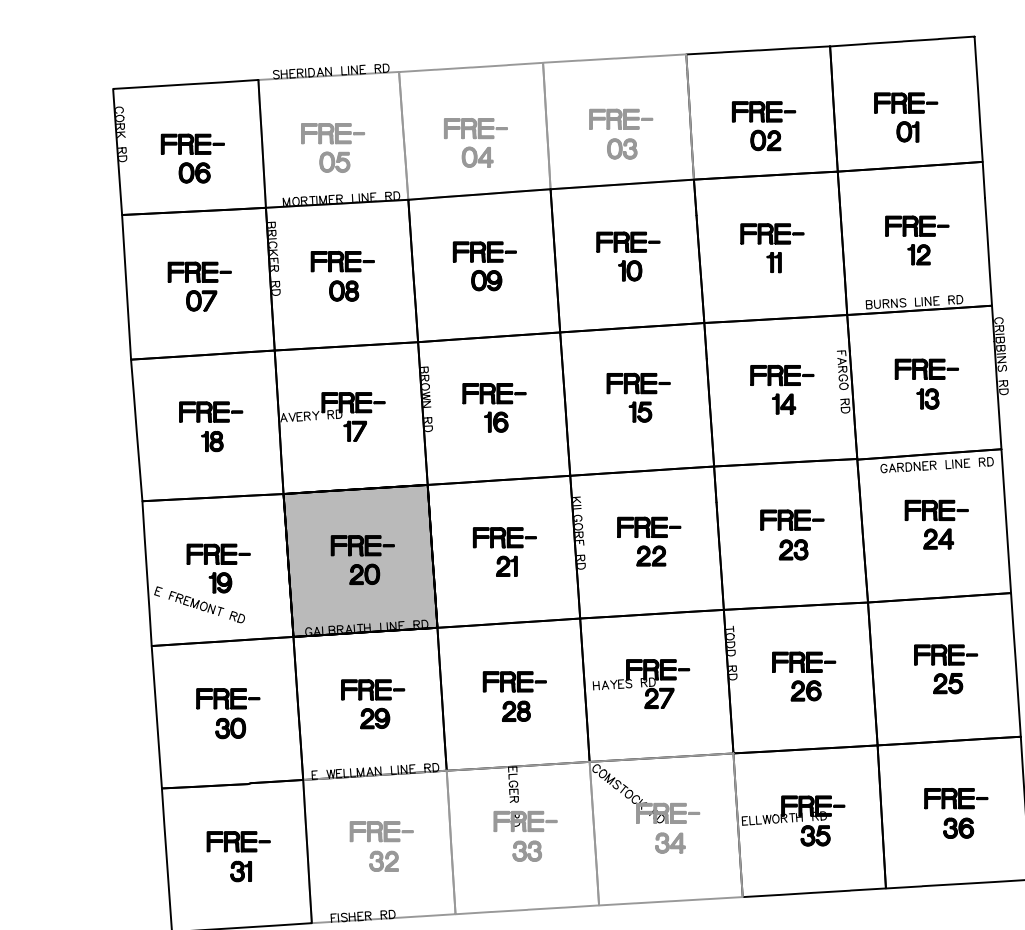
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CLIENT	M ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	19

CD FILE: S:\21003645 - LIBERTY POWER RIVERBEND AND PROJECT DRY KILL SETS\MPSC\21003645-MPSC-03-FRE-IND-026



LEGEND

EXISTING STRUCTURE

EXISTING OCCUPIED DWELLING

EXISTING OCCUPIED DWELLING (SURVEYED)

EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION

EXISTING ROAD R.O.W.

DECOMMISSIONED RAIL TRACKS

EXISTING TOWNSHIP LINE

EXISTING SECTION LINE

EXISTING OVERHEAD ELECTRICAL

EXISTING UTILITY POLE

EXISTING TRANSMISSION LINE

EXISTING TREE LINE

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NON-PARTICIPATING PARCEL

PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)

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PROPOSED ACCESS ROAD GRAVEL

PROPOSED TREE CLEARING

PROPOSED MET TOWER

PROPOSED ADLS TOWER

EXISTING COUNTY ROAD

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PROPOSED WTG (WIND TURBINE GENERATOR)

MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.8 & 7.2 MW)

196.5 M (644 FT) (NORDEX N169)

195.5 M (655 FT) (VESTAS V163)

30-HOUR SHADOW FLICKER (NORDEX N169)

30-HOUR SHADOW FLICKER (VESTAS V162)

30-HOUR SHADOW FLICKER (VESTAS V163)

55 DBA SOUND CONTOUR (NORDEX N169)

55 DBA SOUND CONTOUR (VESTAS V162)

7.2 MW – SEE NOTE

55 DBA SOUND CONTOUR (VESTAS V163)

WTG ID

WTG SETBACKS

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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT

MI ENERGY DEVELOPMENTS, LLC

RIVERBEND WIND ENERGY FACILITY

APPENDIX 1.1-A – PROJECT LAYOUT

DATE

12/29/2025

REVISIONS:

REVISIONS

SCALE 0 150 300

1" = 300 FEET

DR. MB/GS/CH. BS

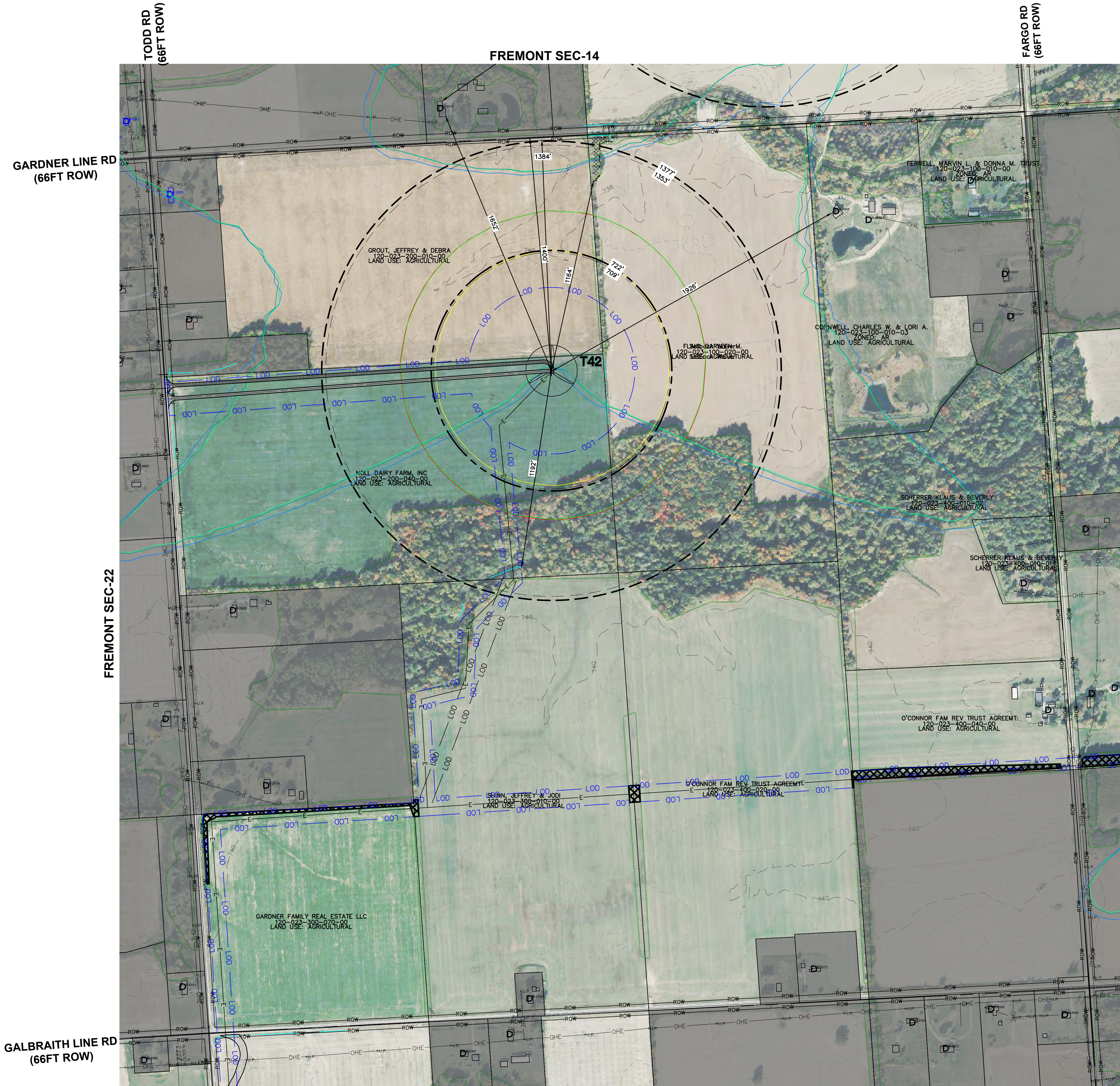
P.M. BS

BOOK --

JOB 21003645

SHEET NO. 20

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPS\21003645-WPSC-03-FRE-INDO



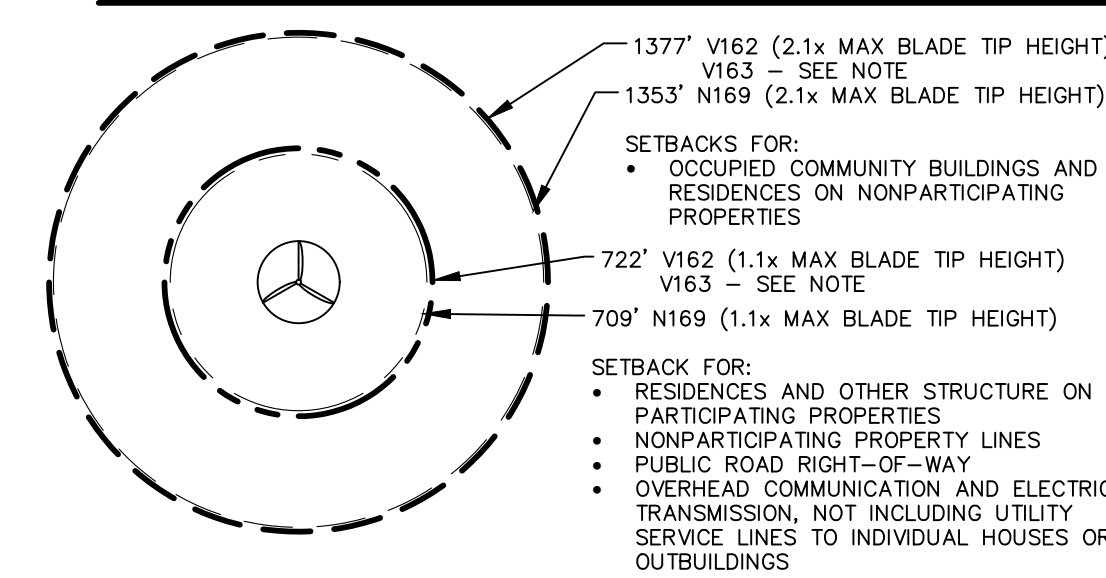
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FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
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- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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CLIENT	SECTIONS: VARIOUS	TOWN 09 NORTH, RANGE 15 EAST	FREMONT TOWNSHIP	SANILAC COUNTY, MICHIGAN
	MI ENERGY DEVELOPMENTS, LLC			
	RIVERBEND WIND ENERGY FACILITY			
	APPENDIX 1.1-A - PROJECT LAYOUT			
DATE	12/29/2025			
REVISIONS:				
REVISIONS				
SCALE	0 150 300			
1" = 300 FEET				
DR. MB/GS	CH. BS			
P.M. BS				
BOOK	---			
JOB	21003645			
SHEET NO.	23			

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND AND PROJECT DOWNS PLAN SETS\MPSC\21003645-MPSC-03-FRE-INDO

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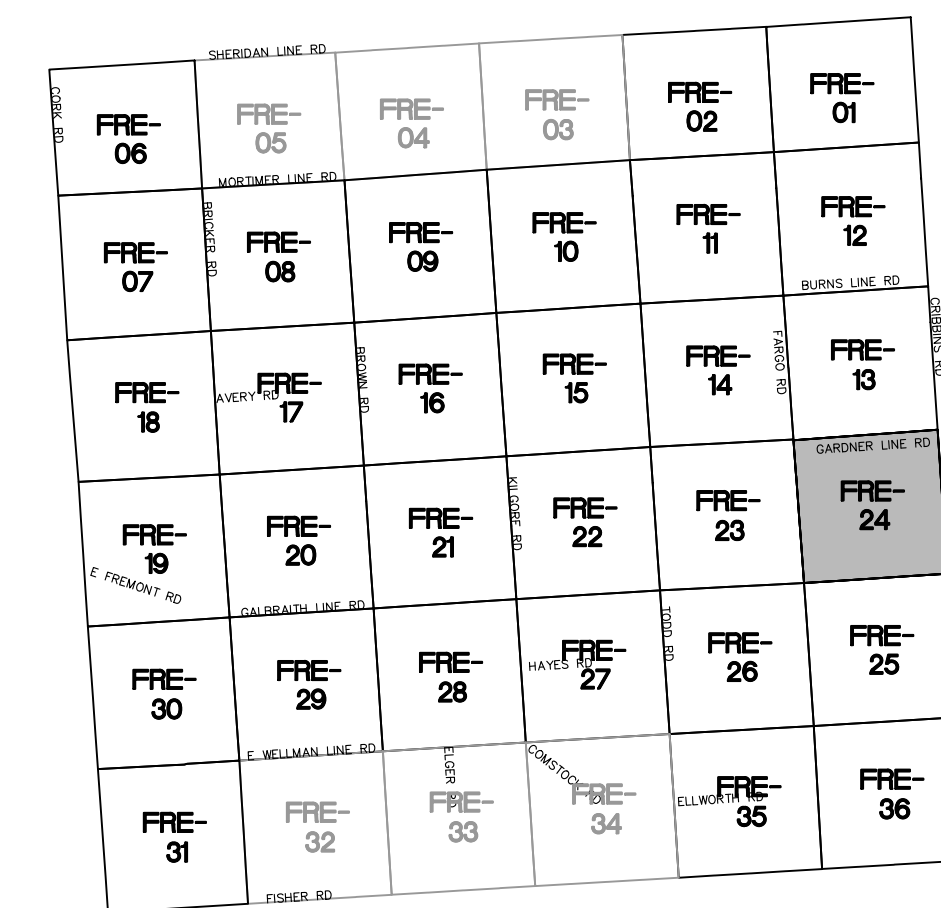


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MI ENERGY DEVELOPMENTS, LLC
 APPENDIX 1.1-A – PROJECT LAYOUT
 FREMONT TOWNSHIP – SECTION 24

REVISIONS:

SCALE		0	150	300
1" =		300 FEET		
DR. MB/GS	CH.	BS		
P.M. BS				
BOOK	--			
JOB	21003645			
<u>SHEET NO.</u>				
24				



LEGEND

NO SCALE

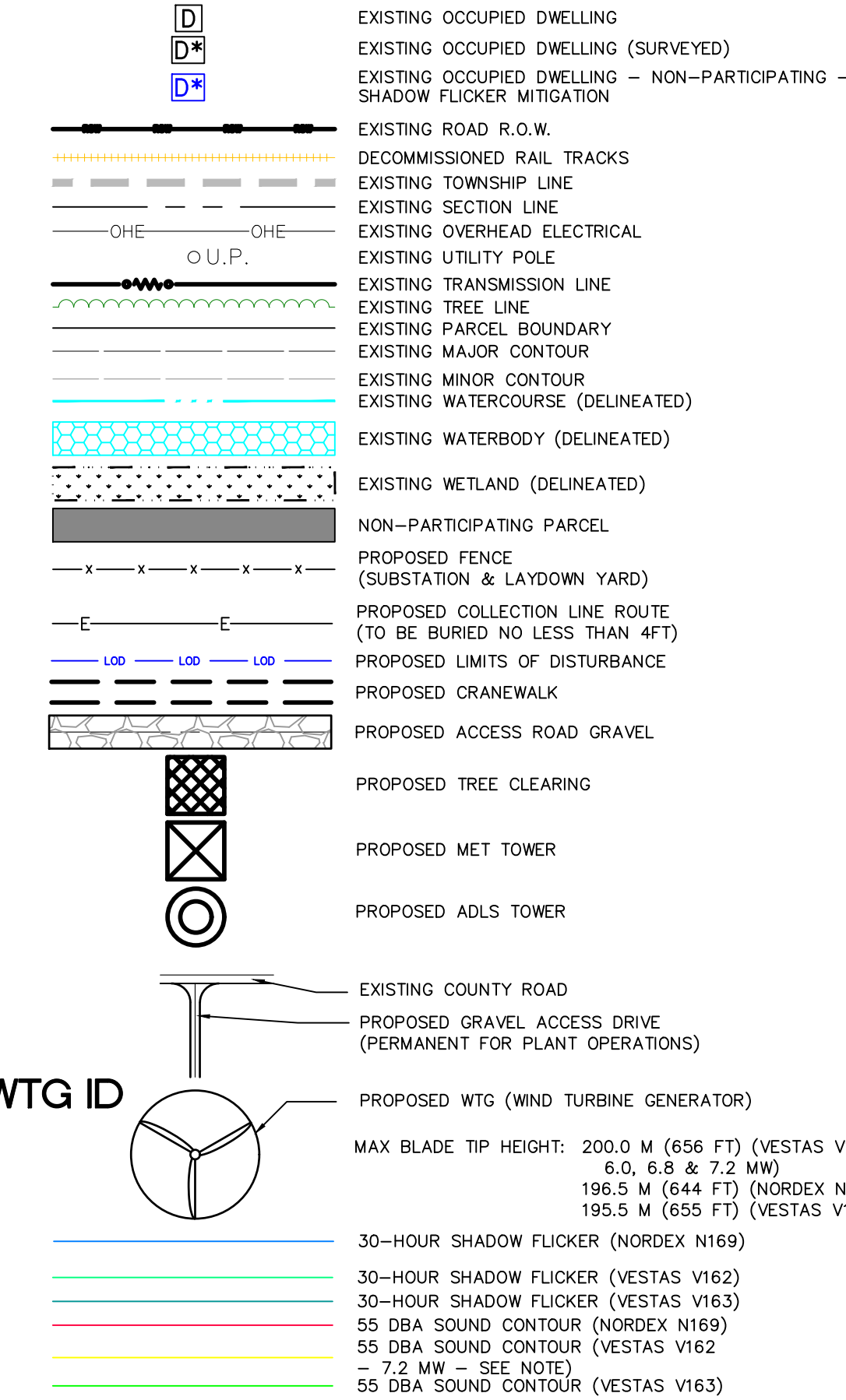
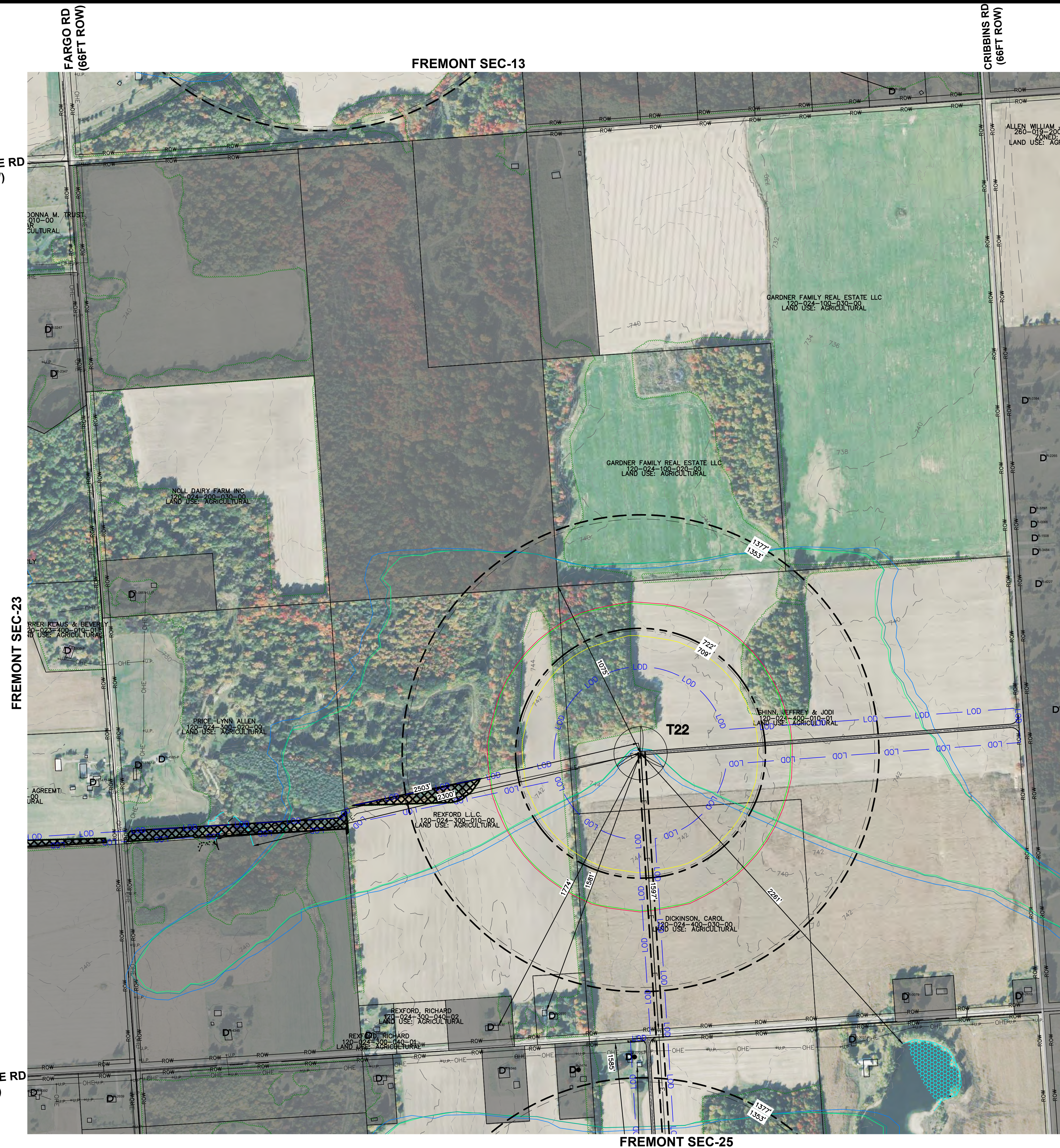


Diagram illustrating setbacks for a three-bladed wind turbine. The setbacks are defined as follows:

- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)** - V163 - SEE NOTE
- 1353' N169 (2.1x MAX BLADE TIP HEIGHT)**
- SETBACKS FOR:**
 - OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES
- 722' V162 (1.1x MAX BLADE TIP HEIGHT)** - V163 - SEE NOTE
- 709' N169 (1.1x MAX BLADE TIP HEIGHT)**
- SETBACK FOR:**
 - RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
 - NONPARTICIPATING PROPERTY LINES
 - PUBLIC ROAD RIGHT-OF-WAY
 - OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

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6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.



WORTH TOWNSHIP

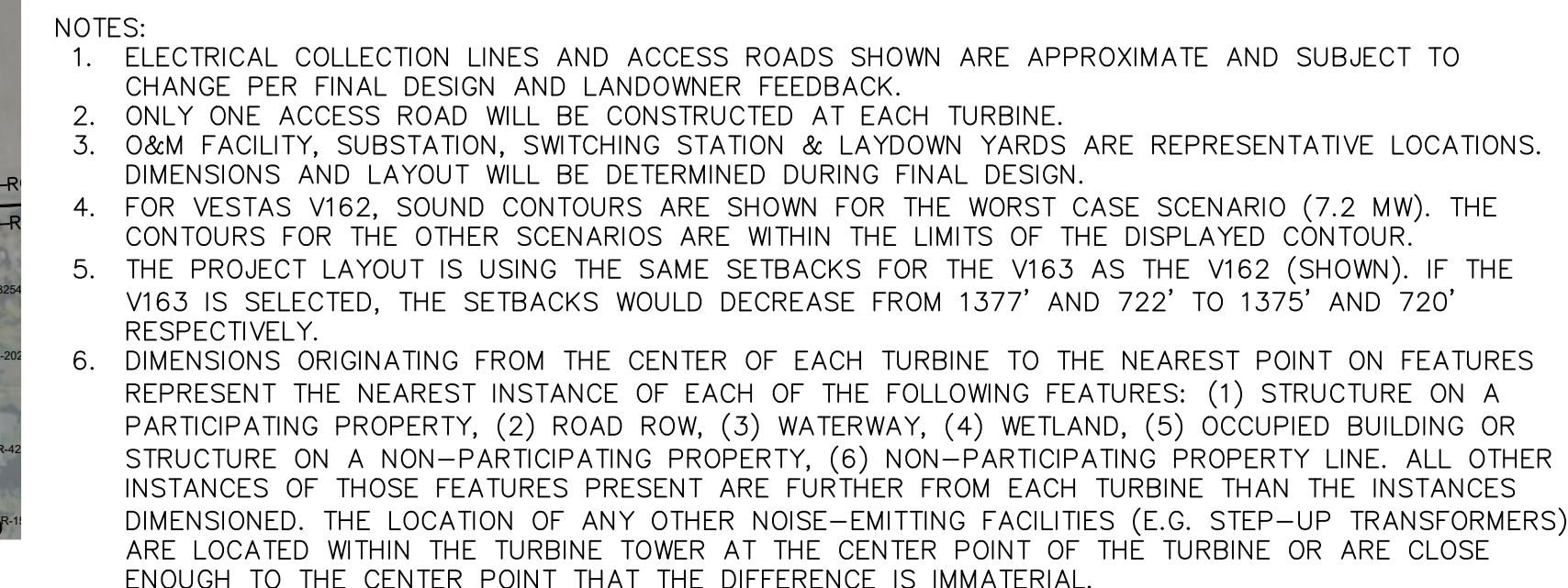
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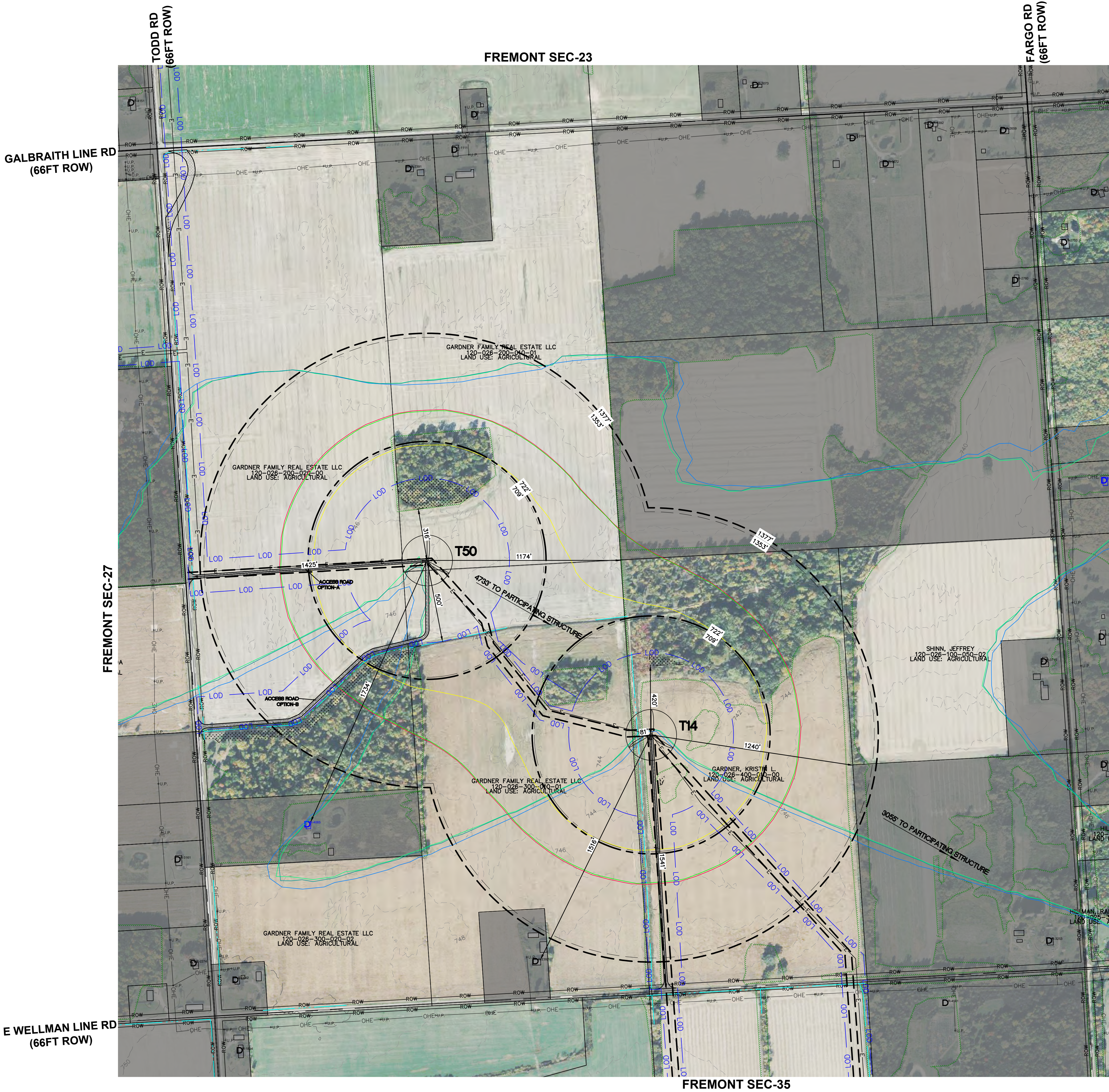
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KEY MAP
NO. SCALE

WTG SETBACKS





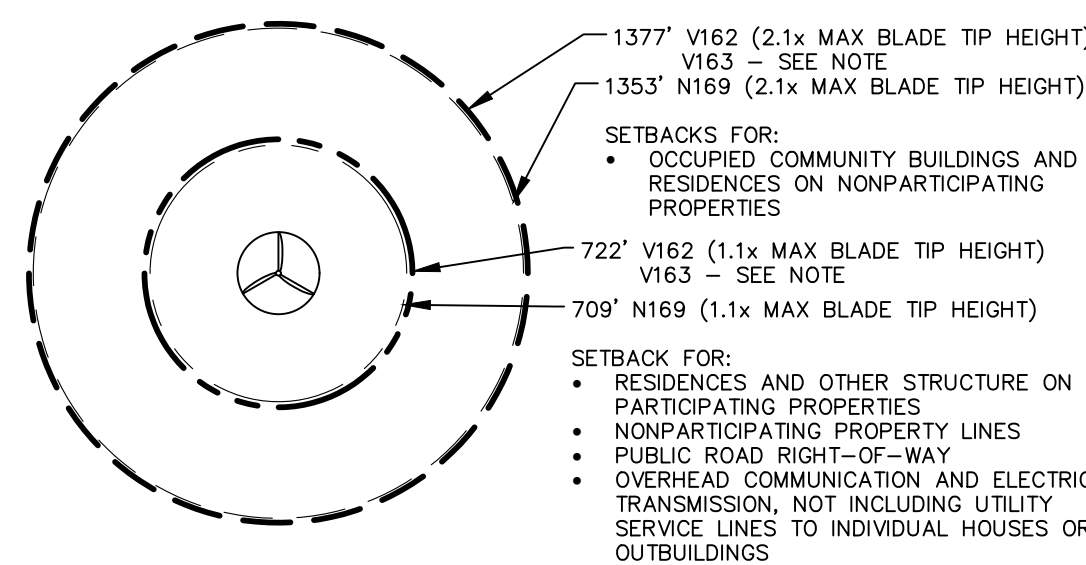
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FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
	EXISTING PARCEL BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED CRANE/WALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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- ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
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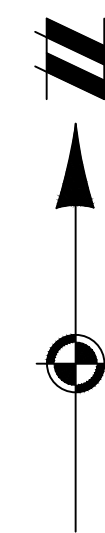
CLIENT	SECTIONS:	VARIOUS
	TOWN	09 NORTH, RANGE 15 EAST
	FREMONT TOWNSHIP	
	SANILAC COUNTY, MICHIGAN	
PROJECT	M ENERGY DEVELOPMENTS, LLC	
	RIVERBEND WIND ENERGY FACILITY	
APPENDIX 1.1-A - PROJECT LAYOUT		
DATE	12/29/2025	
REVISIONS:		
REVISIONS		
SCALE	0 150 300	
1" = 300 FEET		
DR.	MB/GS	CH. BS
P.M.	BS	
BOOK	--	
JOB	21003645	
SHEET NO.	26	

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-INDU

GALBRAITH LINE RD
(66FT ROW)

FREMONT SEC-28

E WELLMAN LINE RD
(66FT ROW)



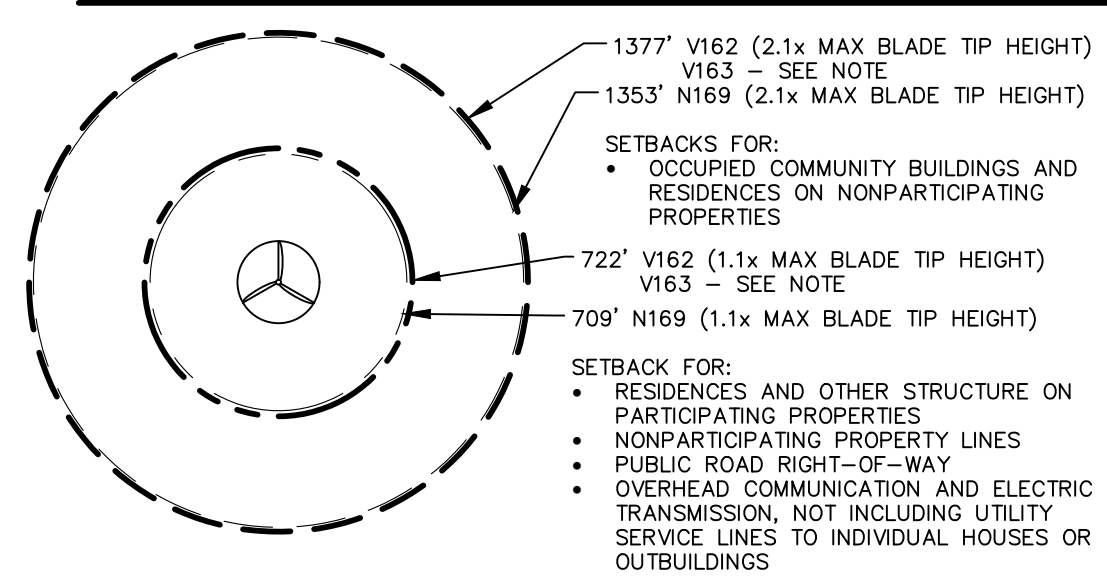
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FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
- EXISTING ROAD R.O.W.
- DECOMMISSIONED RAIL TRACKS
- EXISTING TOWNSHIP LINE
- EXISTING SECTION LINE
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UTILITY POLE
- EXISTING TRANSMISSION LINE
- EXISTING TREE LINE
- EXISTING PARCEL BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING WATERCOURSE (DELINEATED)
- EXISTING WATERBODY (DELINEATED)
- EXISTING WETLAND (DELINEATED)
- NON-PARTICIPATING PARCEL
- PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
- PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED CRANEWALK
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED TREE CLEARING
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- EXISTING COUNTY ROAD
- PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
- PROPOSED WTG (WIND TURBINE GENERATOR)
- MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
- 196.5 M (644 FT) (NORDEX N169)
- 195.5 M (655 FT) (VESTAS V163)
- 30-HOUR SHADOW FLICKER (NORDEX N169)
- 30-HOUR SHADOW FLICKER (VESTAS V162)
- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



- NOTES:
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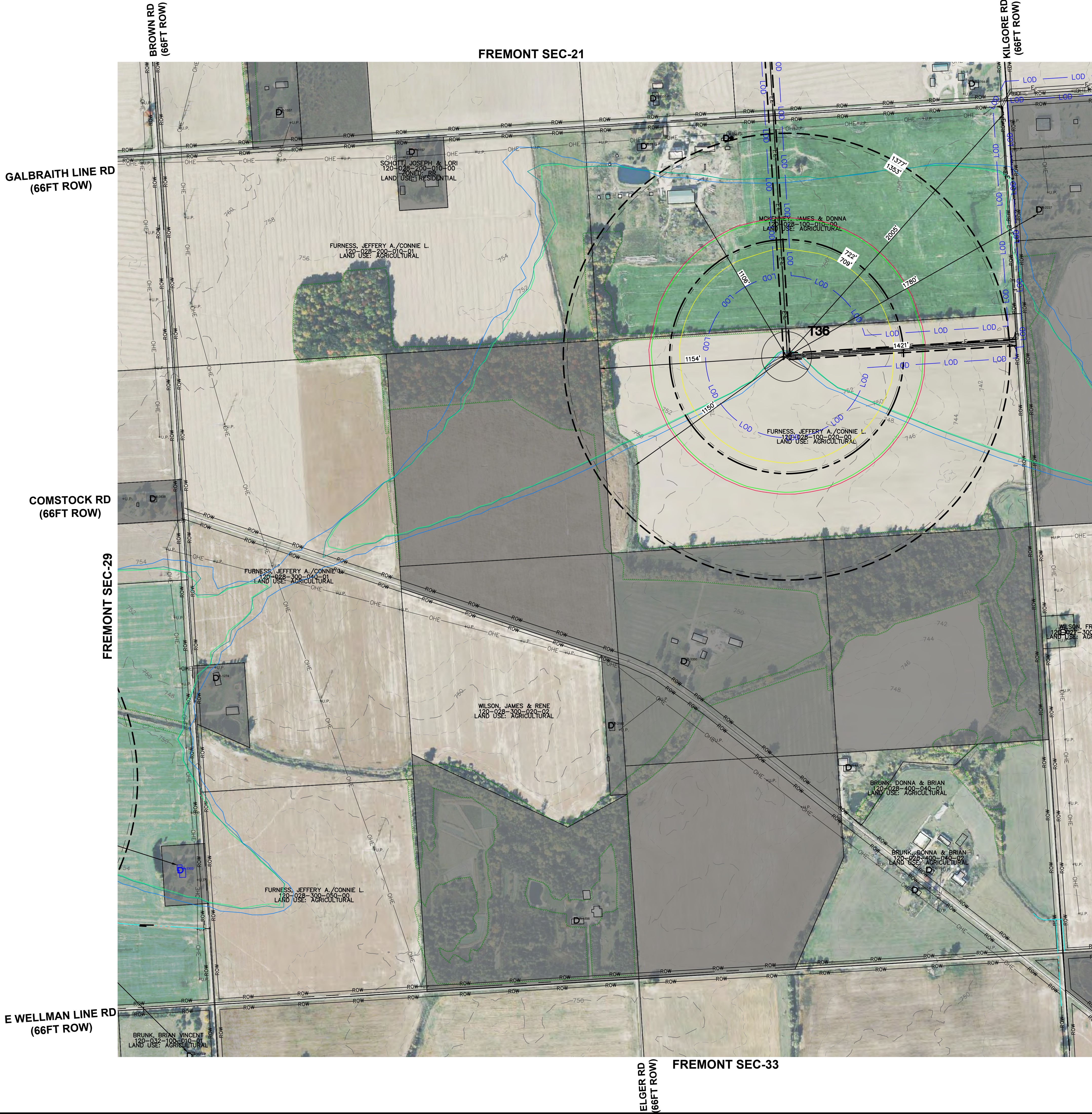
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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	27

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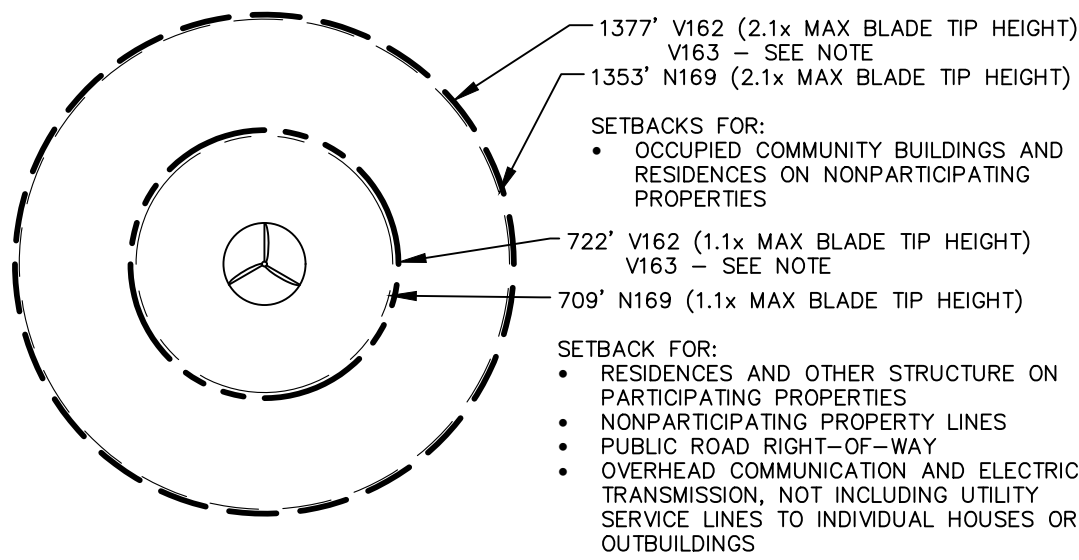
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FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

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	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
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	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
	EXISTING PARCEL BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WATERBODY (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
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	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
	30-HOUR SHADOW FLICKER (VESTAS V163 - 196.5 M (644 FT) (NORDEX N169) 195.5 M (655 FT) (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162 - 7.2 MW - SEE NOTE)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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MPSC Case No. U-220361
Exhibit A-1.1 (BS-1)
Page 33 of 76

811
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FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT
MI ENERGY DEVELOPMENTS, LLC
RIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A - PROJECT LAYOUT

DATE
12/29/2025

REVISIONS:

REVISIONS

SCALE
0 150 300
1" = 300 FEET

DR. MB/GS | CH. BS

P.M. BS

BOOK --

JOB 21003645

SHEET NO.
28

CAD FILE: S:\2103645 - LIBERTY POWER RIVERBEND AND PROJECT DRY TANK SETS\MPSC\2103645-MPSC-03-FRE-IND-01W



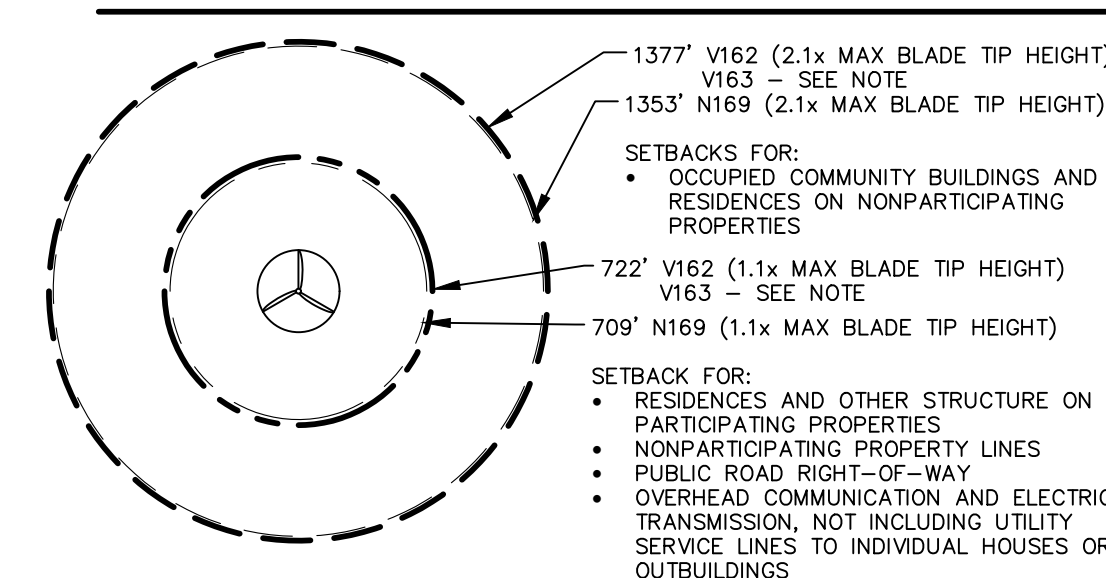
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105' 00" 00" FRE-07 105' 00" 00"	105' 00" 00" FRE-08 105' 00" 00"	105' 00" 00" FRE-09 105' 00" 00"	105' 00" 00" FRE-10 105' 00" 00"	105' 00" 00" FRE-11 105' 00" 00"	105' 00" 00" FRE-12 105' 00" 00"
105' 00" 00" FRE-18 105' 00" 00"	105' 00" 00" FRE-17 105' 00" 00"	105' 00" 00" FRE-16 105' 00" 00"	105' 00" 00" FRE-15 105' 00" 00"	105' 00" 00" FRE-14 105' 00" 00"	105' 00" 00" FRE-13 105' 00" 00"
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105' 00" 00" FRE-31 105' 00" 00"	105' 00" 00" FRE-32 105' 00" 00"	105' 00" 00" FRE-33 105' 00" 00"	105' 00" 00" FRE-34 105' 00" 00"	105' 00" 00" FRE-35 105' 00" 00"	105' 00" 00" FRE-36 105' 00" 00"

KEY MAP
NO SCALE

LEGEND

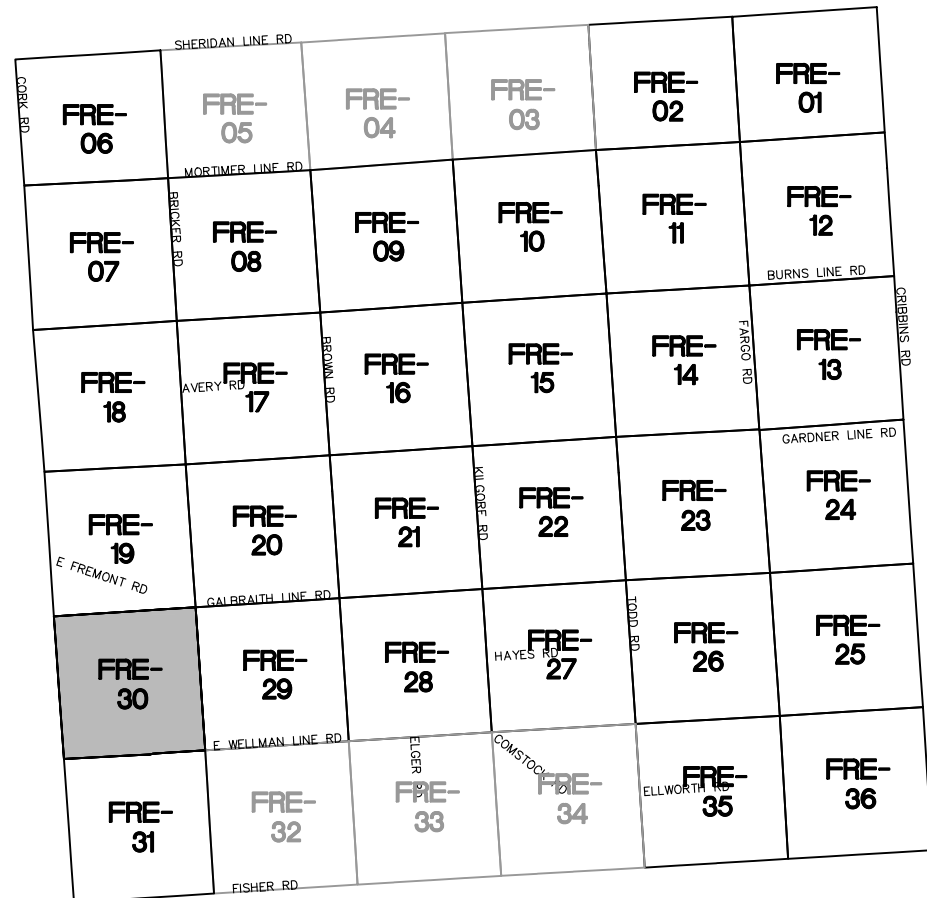
-
- [Empty Square] EXISTING OCCUPIED DWELLING
 [D with dot] EXISTING OCCUPIED DWELLING (SURVEYED)
 [D with cross] EXISTING OCCUPIED DWELLING – NON–PARTICIPATING – SHADOW FLICKER MITIGATION
 [D with cross and dot] EXISTING ROAD R.O.W.
 [Dashed line] DECOMMISSIONED RAIL TRACKS
 [Grey line] EXISTING TOWNSHIP LINE
 [Line with 'OHE' labels] EXISTING SECTION LINE
 [Line with 'O. U. P.' label] EXISTING OVERHEAD ELECTRICAL
 [Line with 'U.P.' label] EXISTING UTILITY POLE
 [Wavy line] EXISTING TRANSMISSION LINE
 [Line with 'T' label] EXISTING TREE LINE
 [Dashed line] EXISTING PARCEL BOUNDARY
 [Dotted line] EXISTING MAJOR CONTOUR
 [Dashed line] EXISTING MINOR CONTOUR
 [Dashed line] EXISTING WATERCOURSE (DELINEATED)
 [Blue hatched area] EXISTING WATERBODY (DELINEATED)
 [Green hatched area] EXISTING WETLAND (DELINEATED)
 [Grey hatched area] NON–PARTICIPATING PARCEL
 [Line with 'x' markers] PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
 [Line with 'E' labels] PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
 [Line with 'LOO' labels] PROPOSED LIMITS OF DISTURBANCE
 [Line with 'x' markers] PROPOSED CRANEWALK
 [Line with 'x' markers] PROPOSED ACCESS ROAD GRAVEL
 [Cross-hatched square] PROPOSED TREE CLEARING
 [Square with 'X'] PROPOSED MET TOWER
 [Circle with 'X'] PROPOSED ADLS TOWER
 [T-shaped symbol] EXISTING COUNTY ROAD
 [T-shaped symbol] PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
 [Circle with three blades] PROPOSED WTG (WIND TURBINE GENERATOR)
 [Blue line] 30–HOUR SHADOW FLICKER (NORDEX N169)
 [Green line] 30–HOUR SHADOW FLICKER (VESTAS V162)
 [Light blue line] 30–HOUR SHADOW FLICKER (VESTAS V163)
 [Pink line] 55 DBA SOUND CONTOUR (NORDEX N169)
 [Light pink line] 55 DBA SOUND CONTOUR (VESTAS V162)
 [Yellow line] 55 DBA SOUND CONTOUR (VESTAS V163)
 [Dark yellow line] 30–HOUR SHADOW FLICKER (VESTAS V163)

WTG SETBACKS



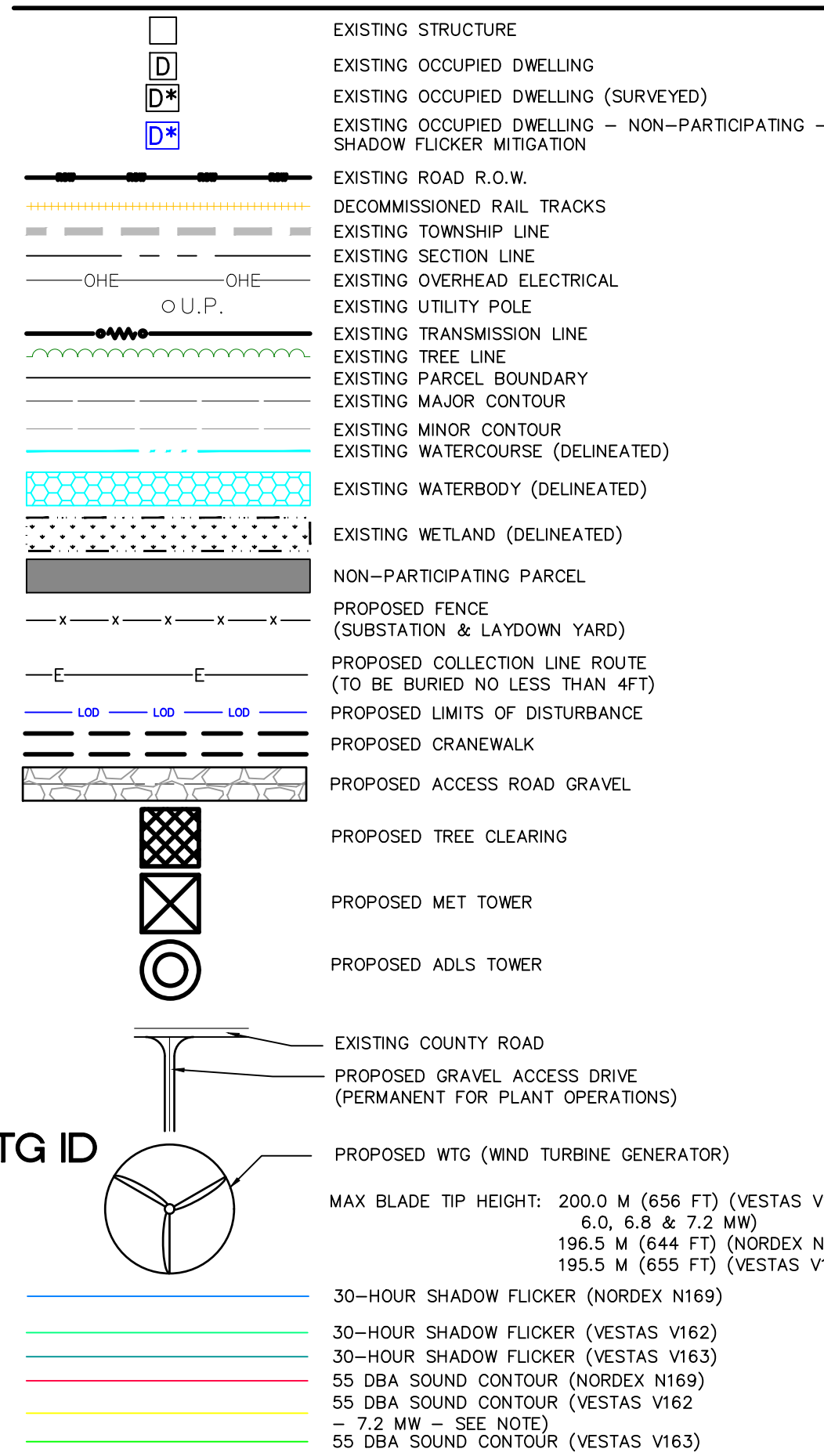
NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ROW LOCATED AT EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.

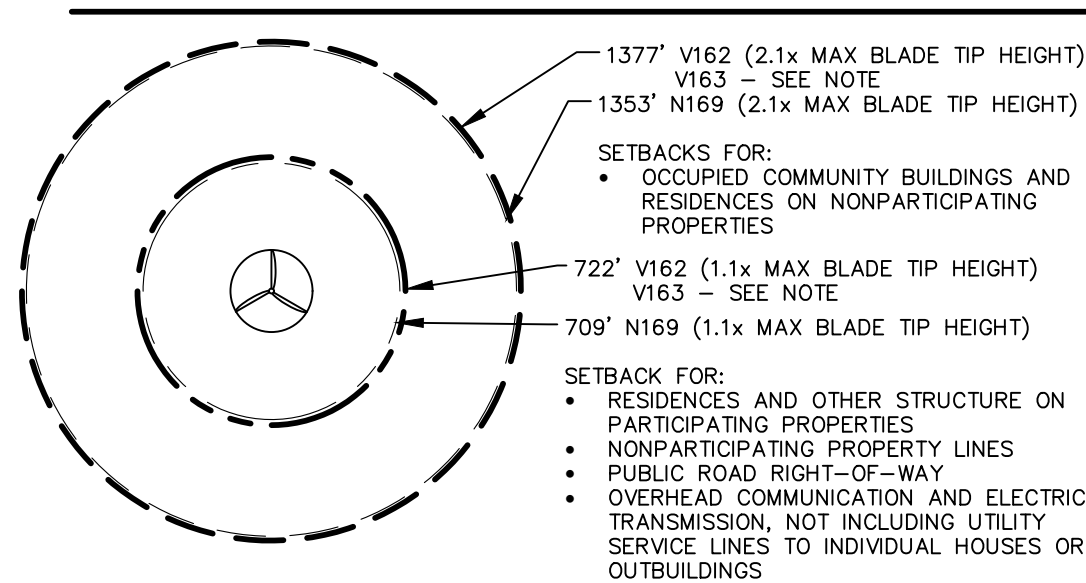


KEY MAP
NO SCALE

LEGEND



WTG SETBACKS



- NOTES:
- ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 - ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
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NOTICE:
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248.447.2600

SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
FREMONT TOWNSHIP - SECTION	30

DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300
1" =	300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	30

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPS\21003645-WPS-03-FRE-ANV.DWG

Call before you dig.
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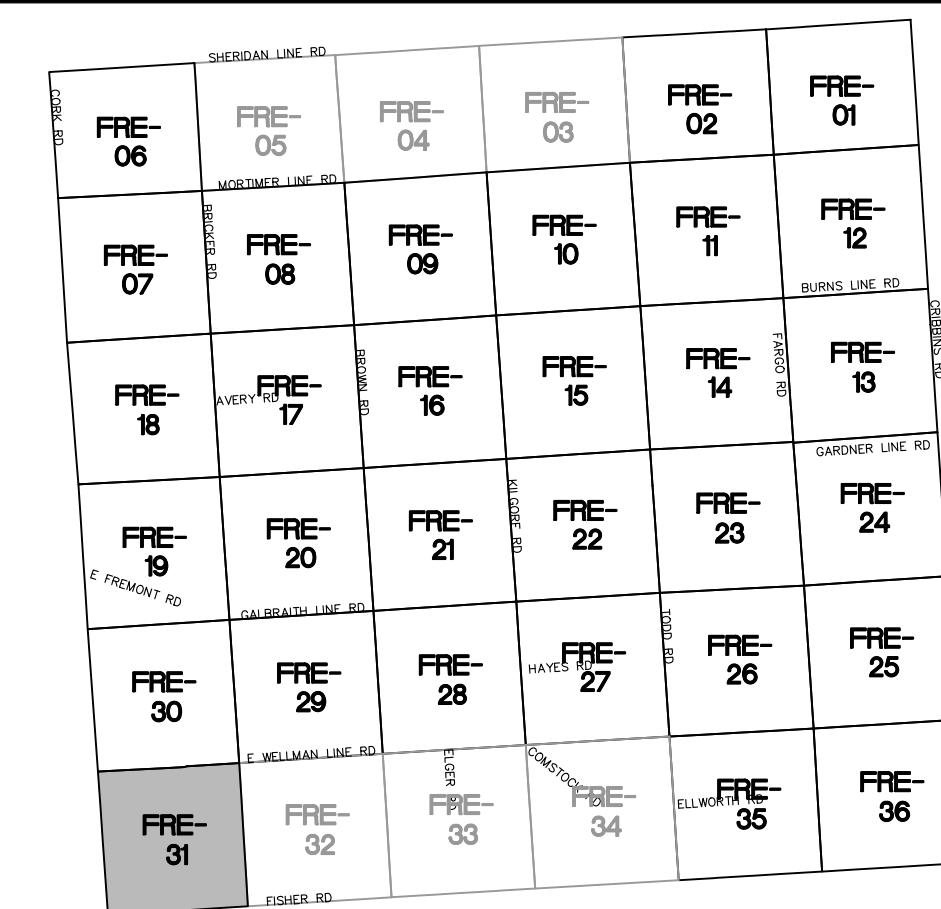
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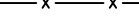
MI ENERGY DEVELOPMENTS, LLC
NIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
FREMONT TOWNSHIP – SECTION 31

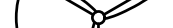
REVISIONS:

SHEET NO.
31



KEY MAP
NO SCALE

-
-  EXISTING STRUCTURE
 EXISTING OCCUPIED DWELLING
 EXISTING OCCUPIED DWELLING (SURVEYED)
 EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION
 EXISTING ROAD R.O.W.
 DECOMMISSIONED RAIL TRACKS
 EXISTING TOWNSHIP LINE
 EXISTING SECTION LINE
 EXISTING OVERHEAD ELECTRICAL
 EXISTING UTILITY POLE
 EXISTING TRANSMISSION LINE
 EXISTING TREE LINE
 EXISTING PARCEL BOUNDARY
 EXISTING MAJOR CONTOUR
 EXISTING MINOR CONTOUR
 EXISTING WATERCOURSE (DELINEATED)
 EXISTING WATERBODY (DELINEATED)
 EXISTING WETLAND (DELINEATED)
 NON-PARTICIPATING PARCEL
 PROPOSED FENCE
 (SUBSTATION & LAYDOWN YARD)
 PROPOSED COLLECTION LINE ROUTE
 (TO BE BURIED NO LESS THAN 4FT)
 PROPOSED LIMITS OF DISTURBANCE
 PROPOSED CRANEWALK
 PROPOSED ACCESS ROAD GRAVEL

- 
- MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.6 & 7.2 MW)
196.5 M (644 FT) (NORDEX N169)
195.5 M (655 FT) (VESTAS V163)
- 30–HOUR SHADOW FLICKER (NORDEX N169)
- 30–HOUR SHADOW FLICKER (VESTAS V162)
- 30–HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW – SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)
V163 - SEE NOTE
1353' N169 (2.1x MAX BLADE TIP HEIGHT)
- SETBACKS FOR:
- OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES
- 722' V162 (1.1x MAX BLADE TIP HEIGHT)
V163 - SEE NOTE
709' N169 (1.1x MAX BLADE TIP HEIGHT)

- RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
- NONPARTICIPATING PROPERTY LINES
- PUBLIC ROAD RIGHT-OF-WAY
- OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
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\\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSC\21003645-WPSC-03-FRE-INDV.DWG 4/23/2026 1:32 PM BENJAMIN SANFORD



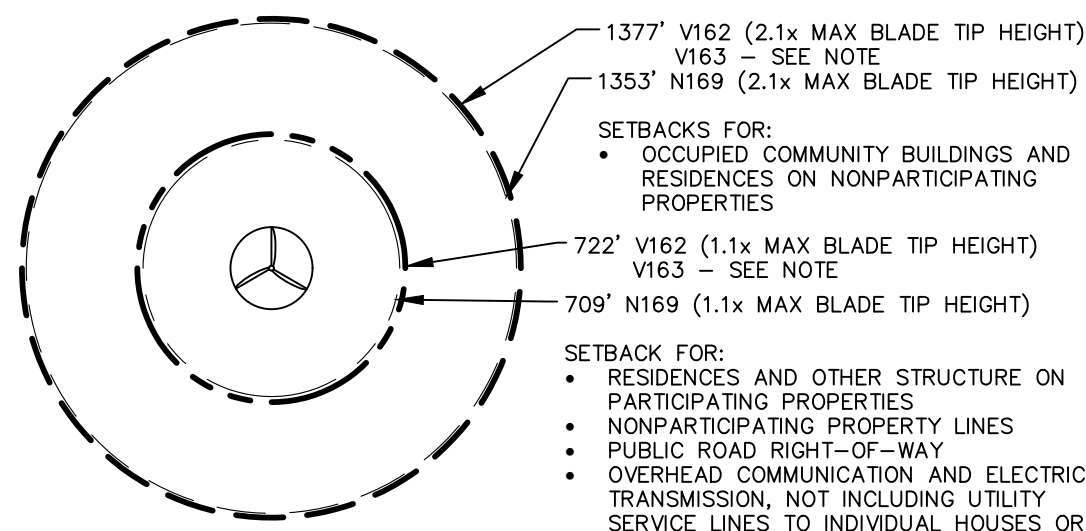
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FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
FRE-30	FRE-29	FRE-28	FRE-27	FRE-26	FRE-25
FRE-31	FRE-32	FRE-33	FRE-34	FRE-35	FRE-36

KEY MAP
NO SCALE

LEGEND

- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
- EXISTING ROAD R.O.W.
- DECOMMISSIONED RAIL TRACKS
- EXISTING TOWNSHIP LINE
- EXISTING SECTION LINE
- EXISTING OVERHEAD ELECTRICAL
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- EXISTING MINOR CONTOUR
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- EXISTING WATERBODY (DELINEATED)
- EXISTING WETLAND (DELINEATED)
- NON-PARTICIPATING PARCEL
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- PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED CRANEWALK
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED TREE CLEARING
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- EXISTING COUNTY ROAD
- PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
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- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	32

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND AND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-INDO



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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 15 EAST
FREMONT TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	

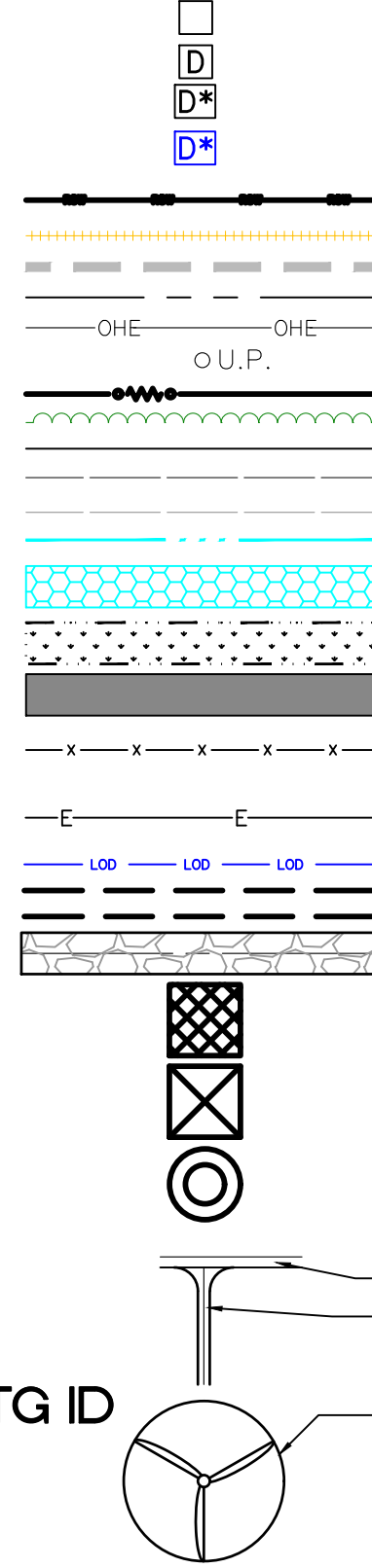
DATE	12/29/2025
REVISIONS:	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/GS
CH.	BS
BOOK	--
JOB	21003645
SHEET NO.	33

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-003.DWG

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FRE-07	FRE-08	FRE-09	FRE-10	FRE-11	FRE-12
FRE-18	FRE-17	FRE-16	FRE-15	FRE-14	FRE-13
FRE-19	FRE-20	FRE-21	FRE-22	FRE-23	FRE-24
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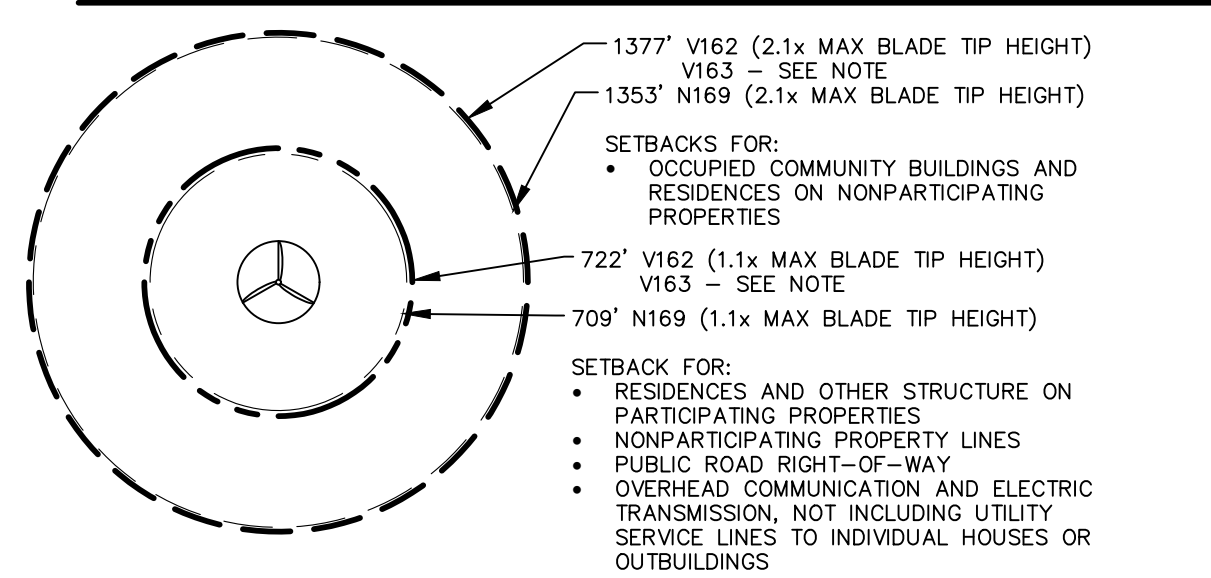
KEY MAP
NO SCALE

LEGEND



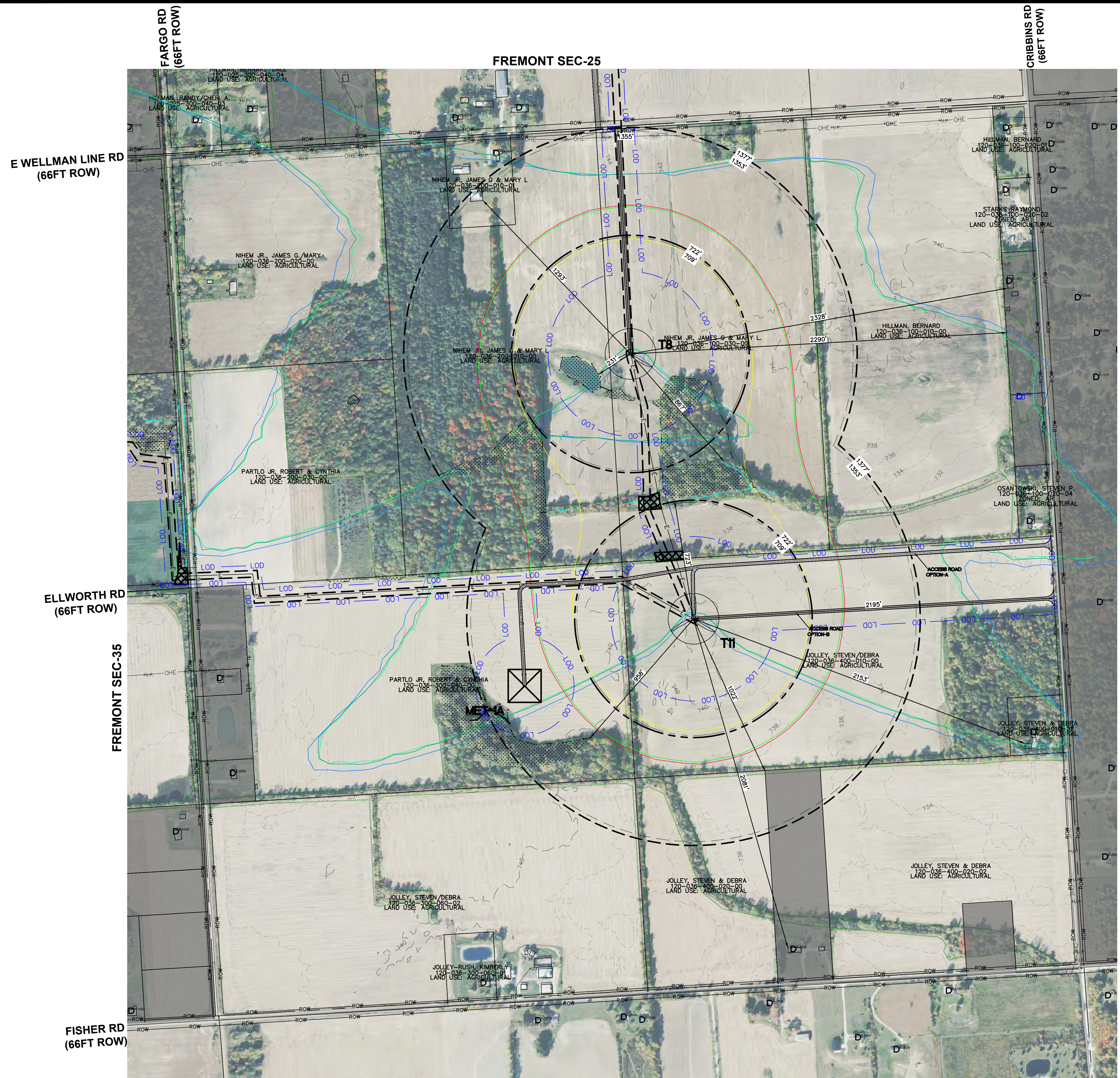
EXISTING STRUCTURE
EXISTING OCCUPIED DWELLING
EXISTING OCCUPIED DWELLING (SURVEYED)
EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
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DECOMMISSIONED RAIL TRACKS
EXISTING TOWNSHIP LINE
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30-HOUR SHADOW FLICKER (VESTAS V162)
30-HOUR SHADOW FLICKER (VESTAS V163)
55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162)
7.2 MW - SEE NOTE
55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



GREENWOOD TOWNSHIP

S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-03-FRE-003.DWG 12/21/2025 1:52 PM BERLAWI, SHARON

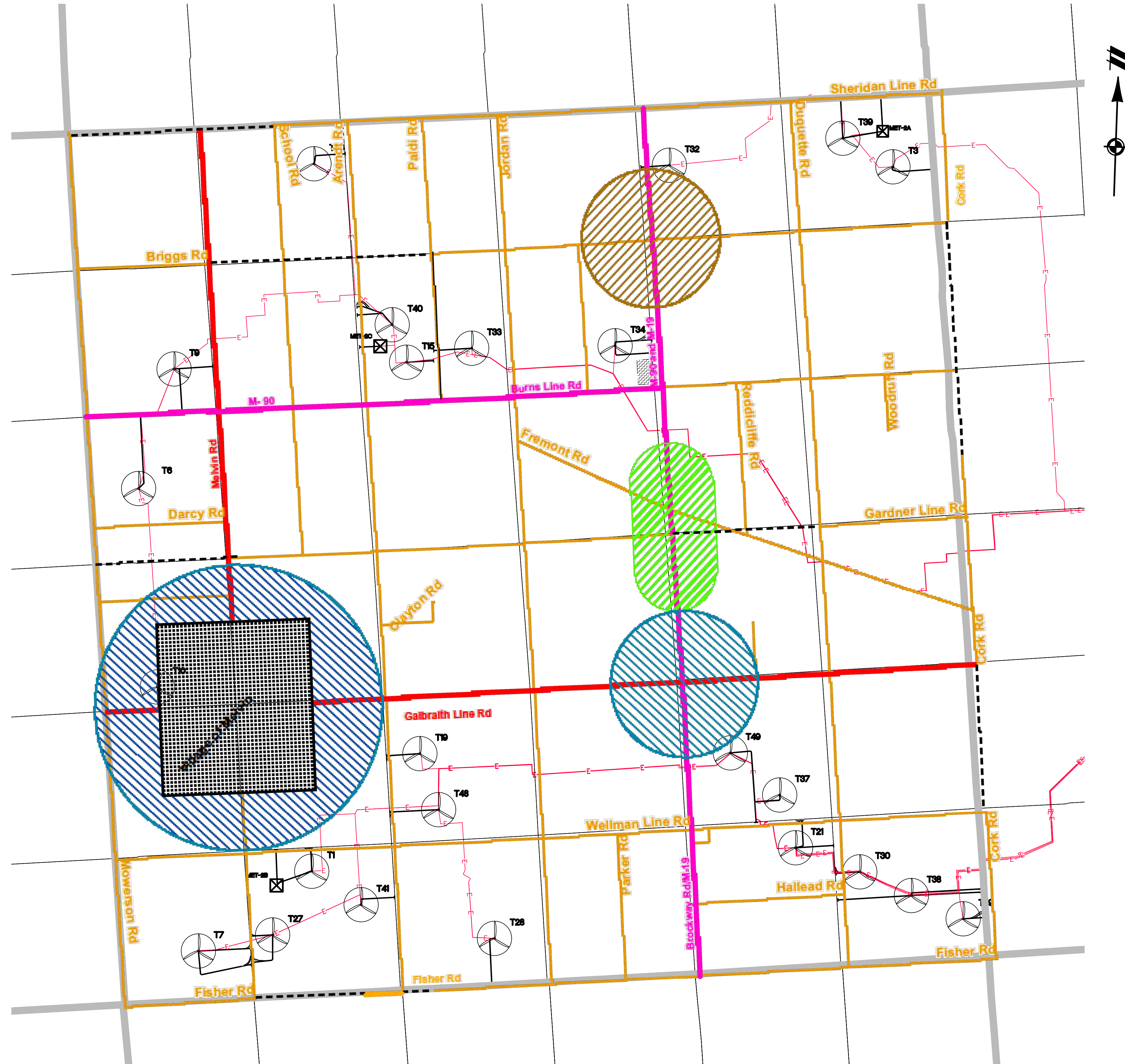
Turbine ID	Turbine Locations (UTM83-17)		
Layout	Northing (Meters)	Easting (Meters)	Elevation (ASL Meters)
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T3	4788790	356129	230.4
T6	4785610	347755	240
T7	4780537	348205	244.9
T9	4786899	348194	240
T10	4783436	347873	250
T15	4786871	350735	240
T19	4782594	350709	240
T21	4781402	354768	250
T24	4789076	349810	240
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T29	4780553	356566	237.4
T32	4788905	353690	240
T33	4786995	351452	240
T34	4786959	353018	240
T37	4781958	354618	250
T38	4780830	356012	240
T39	4789124	355595	235.7
T40	4787286	350594	240
T41	4780971	350001	240
T48	4781974	350889	250
T49	4782524	353886	250

The legend consists of two columns. The left column contains various symbols and line styles, while the right column provides their corresponding descriptions. The symbols include: three gray rectangles for townships; a solid blue line for county drain; a line with 'OHE' labels for existing electric transmission; a circle with three radial lines and 'T8' for a turbine; a gray rectangle for a non-participating parcel; a pink line with 'E' labels for a proposed collection line; dashed black lines for a proposed cranewalk; a rectangle with a brick pattern for a proposed gravel access road; a square with an 'X' for a proposed met tower; a circle with concentric lines for a proposed ADLS tower; a blue line with triangles for a proposed haul route; a pink line with triangles for an alternate haul route; and a blue circle with arrows for a proposed intersection improvement.

	TOWNSHIP BOUNDARY LIMITS
	COUNTY DRAIN
	EXISTING ELECTRIC TRANSMISSION
	PROP. TURBINE LOCATION TURBINE #
	NON-PARTICIPATING PARCEL
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED CRANEWALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	PROPOSED HAUL ROUTE
	ALTERNATE HAUL ROUTE
	PROPOSED INTERSECTION IMPROVEMENT

REVISIONS	
SCALE	0 750 1500
	
1" = 1500 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK --	
JOB	21003645
SHEET NO.	
34	

S:\21003645 - LIBERTY POWER RIVERBEND - WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-01-SPE-ZONING-CDWG 4/23/2026 1:33 PM BRUNNAN, JAYDOR



ZONING MAP
NOT TO SCALE

- Ag/Rural Residential Area
- M-19 Industrial Area
- M-19 Commercial Corridor
- Residential Settlement Area

- State highways
- Primary Roads
- Local Roads
- Section Line

LEGEND

- TOWNSHIP BOUNDARY LIMITS
- PROP. TURBINE LOCATION
TURBINE #
- PROPOSED COLLECTION LINE ROUTE
(TO BE BURIED NO LESS THAN 4FT)
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED MET TOWER

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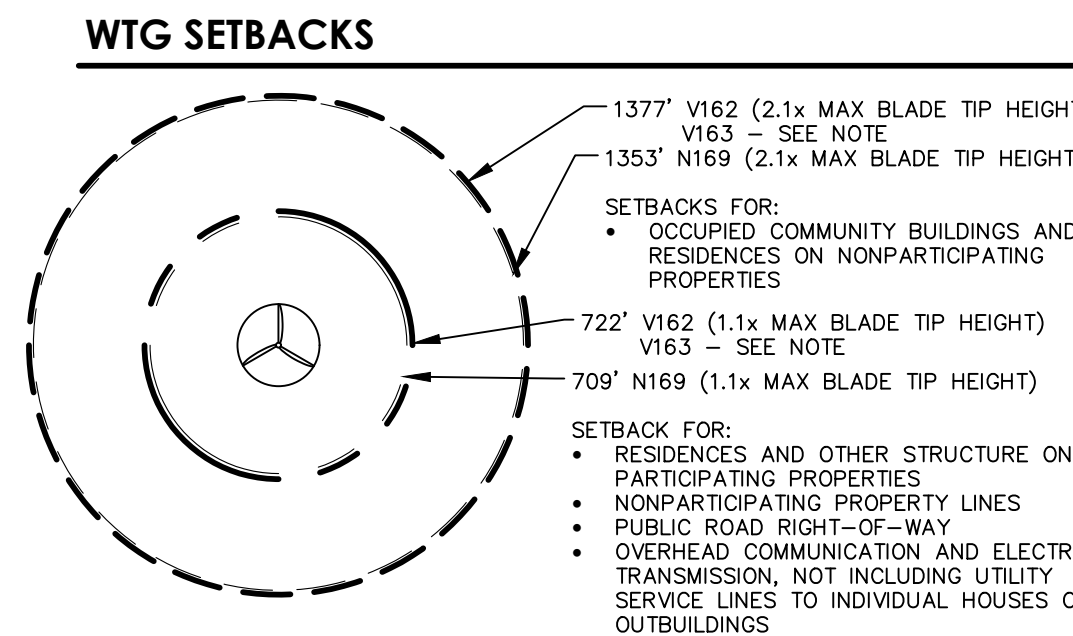
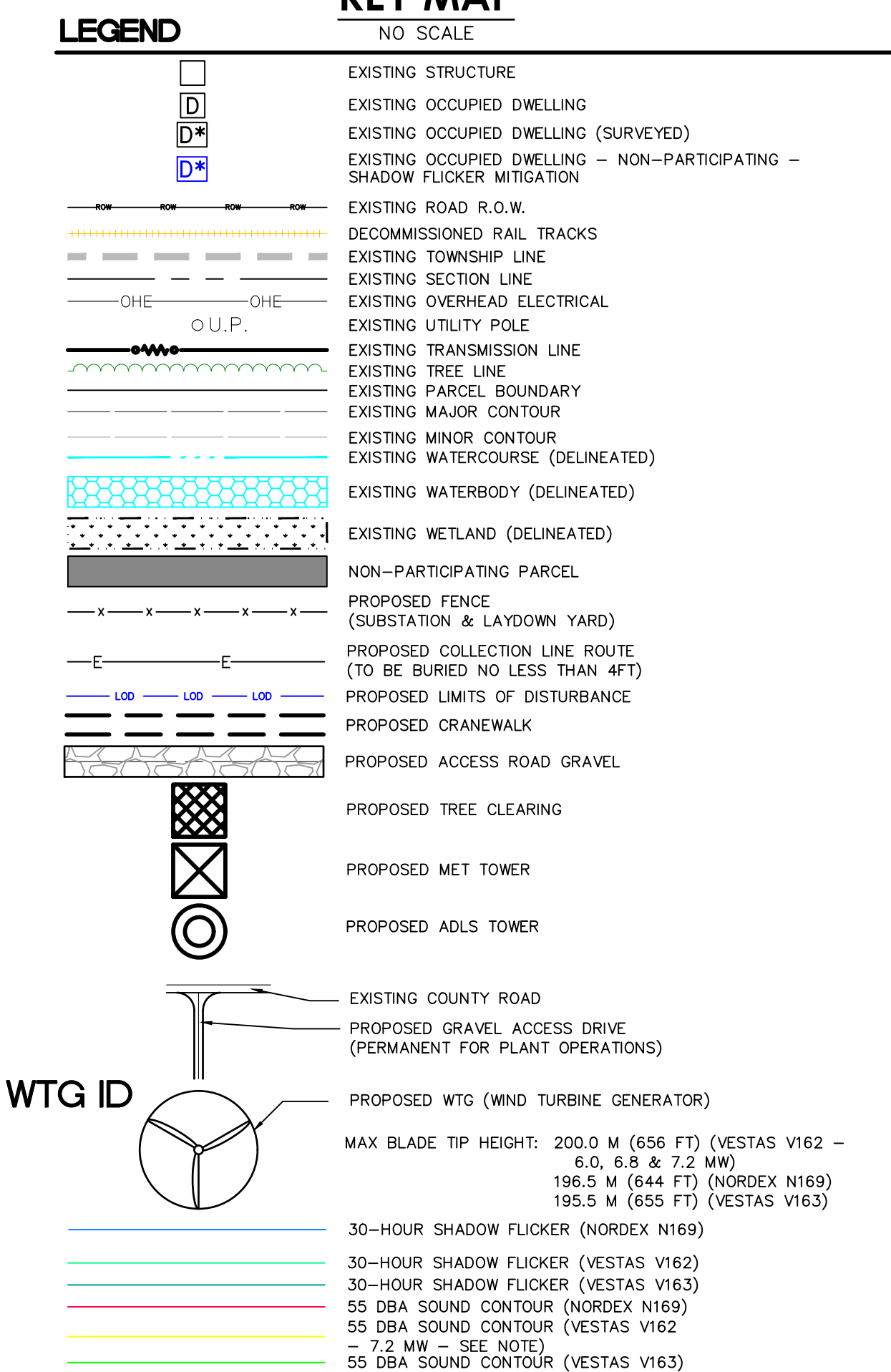


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APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION 01

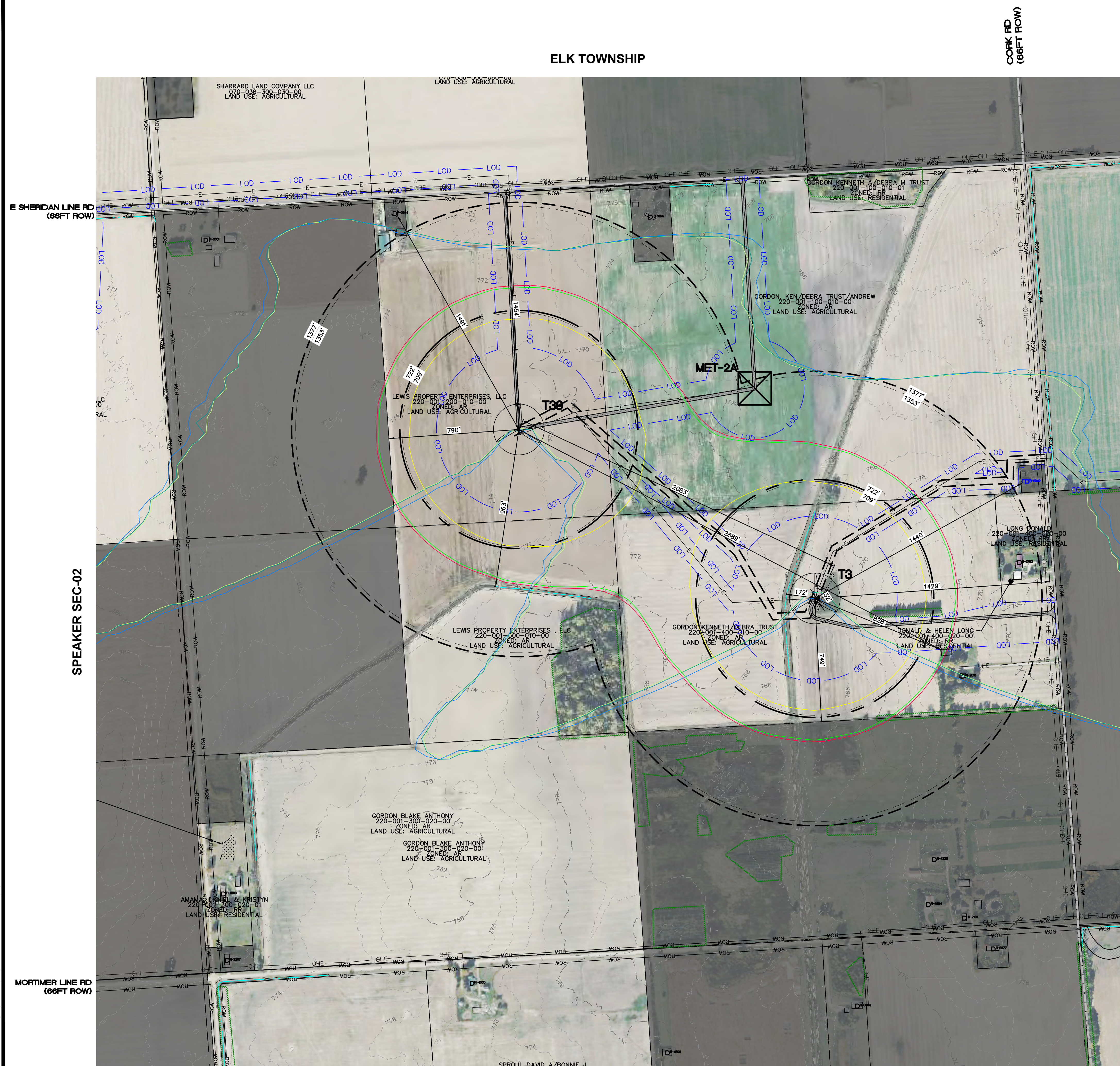
REVISIONS:

REVISIONS	
SCALE	0 150 300
	
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	
36	



NOTES:

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
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5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
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S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WP5C\21003645-WP5C-05-SPE-INDV.DWG 4/23/2026 1:34 PM BENJAMIN SANFORD

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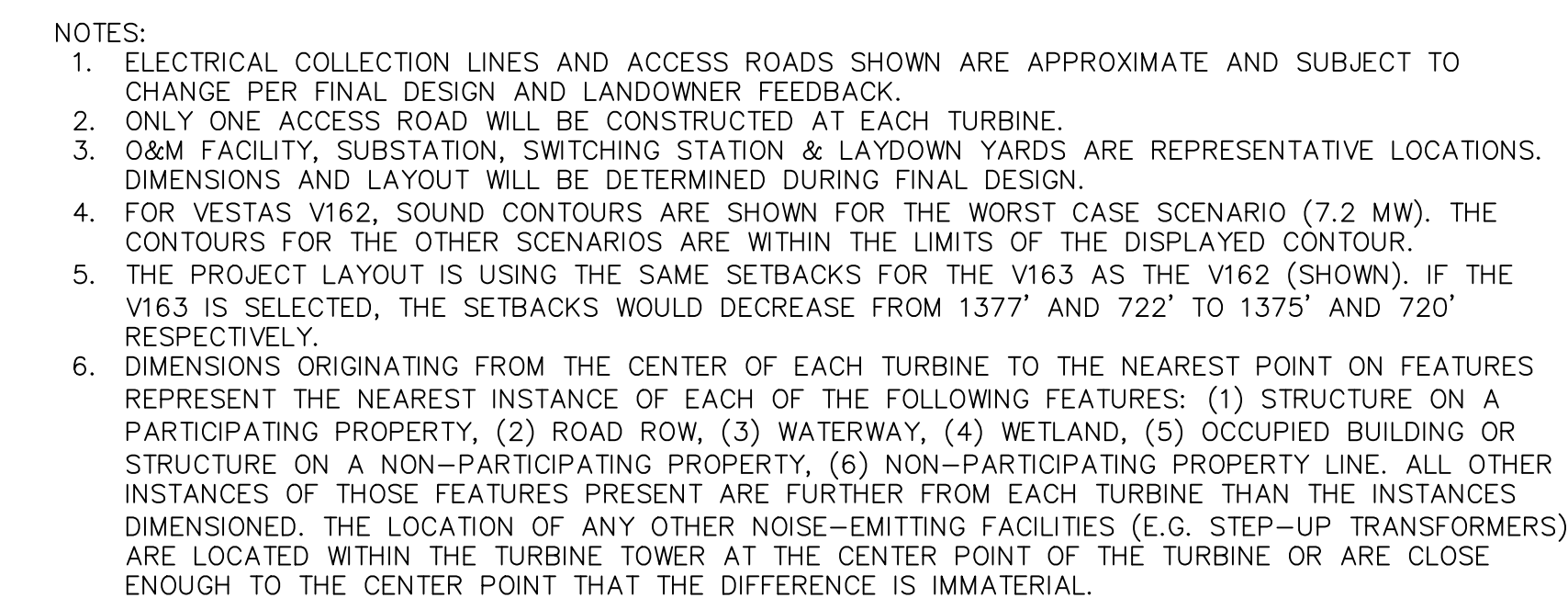
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APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION 02

REVISIONS:

REVISIONS			
SCALE	0	150	300
			
1" = 300 FEET			
DR. MB/GS	CH.	BS	
P.M. BS			
BOOK	--		
JOB	21003645		
<u>SHEET NO.</u>			
37			



	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER



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 SPEAKER TOWNSHIP – SECTION 07

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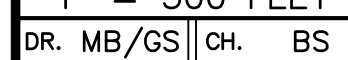
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NO SCALE



- NOTES:
1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LAI WORKLINE FEEDBACK.
 2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
 3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
 4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
 5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
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P.M. BS

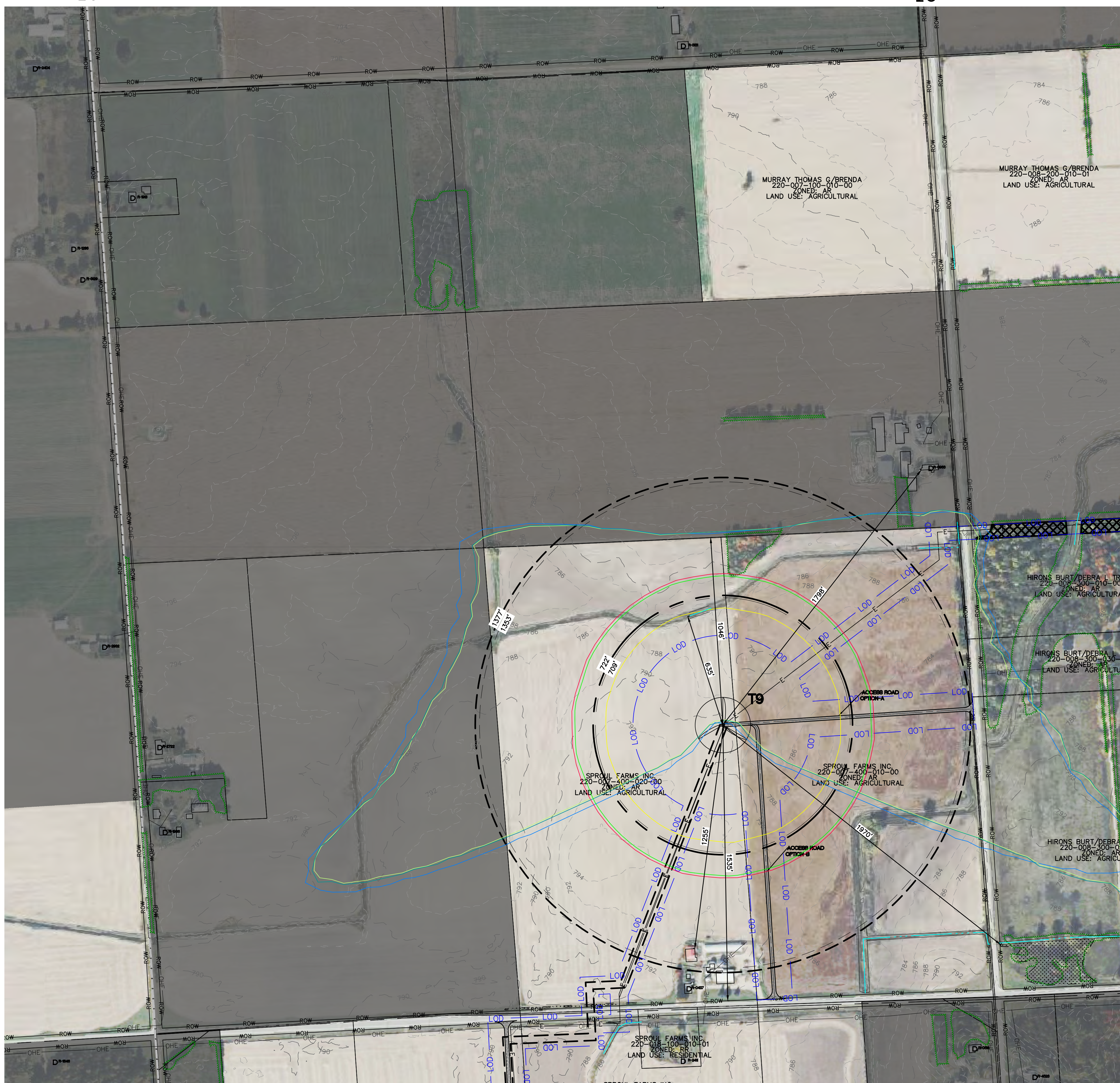
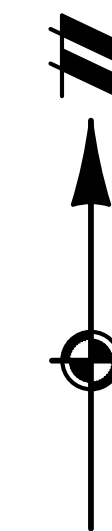
BOOK — —

JOB 21003645

SHEET NO.

39

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NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE
RESPONSIBILITY OF THE CONTRACTOR.
NEITHER THE OWNER NOR THE ENGINEER
SHALL BE EXPECTED TO ASSUME ANY
RESPONSIBILITY FOR SAFETY OF THE
WORK, OF PERSONS ENGAGED IN THE
WORK, OF ANY NEARBY STRUCTURES, OR
OF ANY OTHER PERSONS.

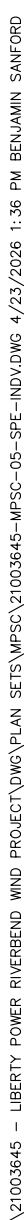
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 EXHIBIT 1.1-A – PROJECT LAYOUT
 PEAKER TOWNSHIP – SECTION 09

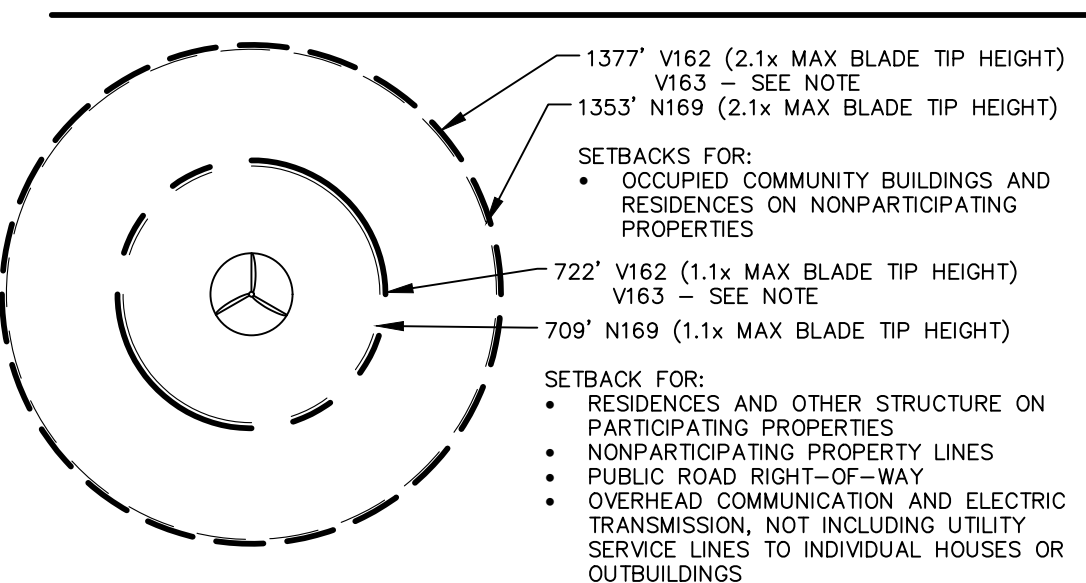
REVISIONS	
SCALE	0 150 300
	
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	
41	



SPE-06	US WATER BRIDGE RD	SPE-05 US BACK THE TOWNSHIP	SPE-04 US TOWNSHIP	SPE-03 BRIDGE US TOWNSHIP	SPE-02 US TOWNSHIP WATERLINE RD	SPE-01 DOWNTOWN US TOWNSHIP
SPE-07	US TOWNSHIP BRIDGE RD	SPE-08	SPE-09	SPE-10 US BRIDGE DOWNTOWN	SPE-11	SPE-12
SPE-18	DANCY RD	SPE-17	SPE-16	SPE-15	SPE-14 # FRESH RD	SPE-13 GARDNER LINE RD
TRAINER RD SPE-19	MAN ST	SPE-20	SPE-21 C CALVERT LINE RD	SPE-22	SPE-23	SPE-24
SPE-30 # WILLIAM LINE RD	SPE-29	SPE-28	SPE-27 US TOWNSHIP US TOWNSHIP	SPE-26	SPE-25	SPE-24
SPE-31	SPE-32	SPE-33	SPE-34 US TOWNSHIP POWERS RD	SPE-35 US TOWNSHIP POWERS RD	SPE-36	

KEY MAP
NO SCALE

[Empty Square] EXISTING STRUCTURE
 [D] EXISTING OCCUPIED DWELLING
 [D*] EXISTING OCCUPIED DWELLING (SURVEYED)
 [D*] EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION
 [---] EXISTING ROAD R.O.W.
 [---] DECOMMISSIONED RAIL TRACKS
 [---] EXISTING TOWNSHIP LINE
 [---] EXISTING SECTION LINE
 [---] EXISTING OVERHEAD ELECTRICAL
 [---] EXISTING UTILITY POLE
 [---] EXISTING TRANSMISSION LINE
 [---] EXISTING TREE LINE
 [---] EXISTING PARCEL BOUNDARY
 [---] EXISTING MAJOR CONTOUR
 [---] EXISTING MINOR CONTOUR
 [---] EXISTING WATERCOURSE (DELINEATED)
 [---] EXISTING WATERBODY (DELINEATED)
 [---] EXISTING WETLAND (DELINEATED)
 [---] NON-PARTICIPATING PARCEL
 [---] PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
 [---] PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
 [---] PROPOSED LIMITS OF DISTURBANCE
 [---] PROPOSED CRANEWALK
 [---] PROPOSED ACCESS ROAD GRAVEL
 [---] PROPOSED TREE CLEARING
 [---] PROPOSED MET TOWER
 [---] PROPOSED ADLS TOWER
 [---] EXISTING COUNTY ROAD
 [---] PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
 [---] PROPOSED WTG (WIND TURBINE GENERATOR)
 MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V 30-HOUR SHADOW FLICKER (VESTAS V162)
 6.0, 6.8 & 7.2 MW)
 196.5 M (644 FT) (NORDEX N169)
 195.5 M (655 FT) (VESTAS V 30-HOUR SHADOW FLICKER (VESTAS V162)
 30-HOUR SHADOW FLICKER (VESTAS V163)
 55 DBA SOUND CONTOUR (NORDEX N169)
 55 DBA SOUND CONTOUR (VESTAS V162 – 7.2 MW – SEE NOTE)
 55 DBA SOUND CONTOUR (VESTAS V163)



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SPEAKER TOWNSHIP—SECTION 10

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
<u>SHEET NO.</u>	
42	



LEGEND



- NOTES:
1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 2. ONLY ONE CELL PER TURBINE WILL BE CONSTRUCTED AT EACH TURBINE.
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W BURNS LINE RD
(66FT ROW)

SPEAKER SEC-15

21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSC\21003645-WPSC-05-SPE-INDV.DWG 4/23/2026 1:37 PM BENJAMIN SANTFORD

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 SPEAKER TOWNSHIP—SECTION 14

REVISIONS	
SCALE	0 150 300
	
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK --	
JOB	21003645
<u>SHEET NO.</u>	
43	

SPE-06	US 101A BROCK RD	SPE-05 BROCK RD	SPE-04 US 101A BROCK RD	SPE-03 BROCK RD	SPE-02 MONTANA LINE RD	SPE-01 DODGE RD
SPE-07 US 101A BROCK RD	SPE-08 US 101A BROCK RD	SPE-09 US 101A BROCK RD	SPE-10 US 101A BROCK RD	SPE-11 MONTANA LINE RD	SPE-12 DODGE RD	
SPE-18 DARCY RD	SPE-17 TOWNSHIP RD	SPE-16 TOWNSHIP RD	SPE-15 TOWNSHIP RD	SPE-14 FREMONT RD	SPE-13 GARDNER LINE RD	
TRAINER RD SPE-19	SPE-20 MAIN ST	SPE-21 E CALVERT LINE RD	SPE-22 E CALVERT LINE RD	SPE-23 FREMONT RD	SPE-24 GARDNER LINE RD	
SPE-30 E WILLIAM LINE RD	SPE-29	SPE-28 E CALVERT LINE RD	SPE-27 E CALVERT LINE RD	SPE-26 FREMONT RD	SPE-25 FREMONT RD	
SPE-31 FOUR RD	SPE-32 US 101A FOUR RD	SPE-33 US 101A FOUR RD	SPE-34 US 101A FOUR RD	SPE-35 HALLADAY RD FOUR RD	SPE-36 FOUR RD	

NO SCALE

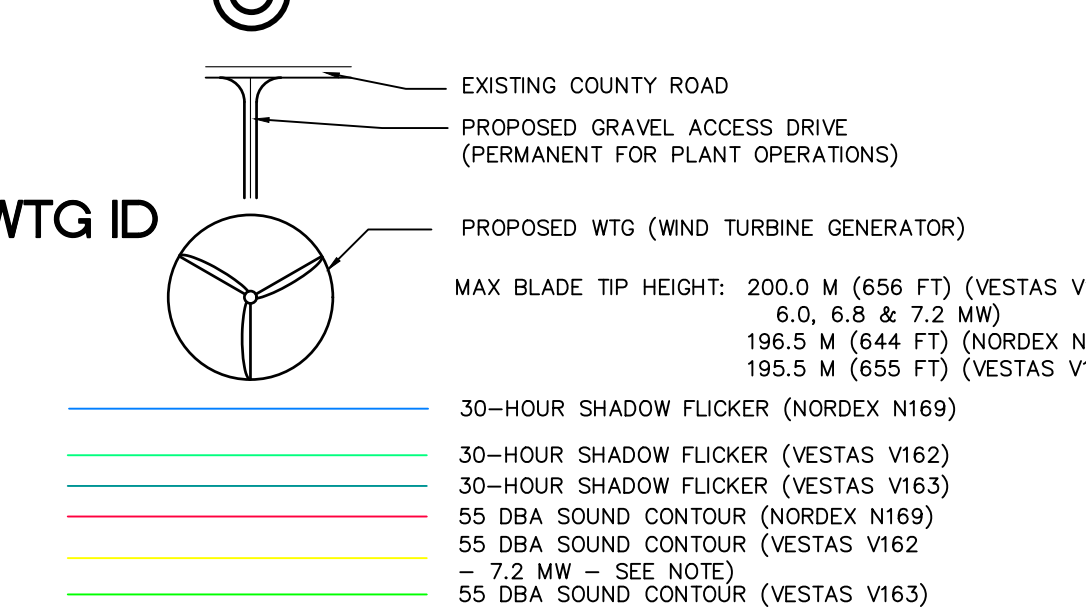


Diagram illustrating a circular lot layout with setbacks and property lines. The diagram shows a central circular area with a three-lobed design, surrounded by a larger circular area. The setbacks are defined by dashed lines, and the property lines are defined by solid lines.

- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)
- V163 - SEE NOTE
- 1353' N169 (2.1x MAX BLADE TIP HEIGHT)

SETBACKS FOR:

- OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES

- 722' V162 (1.1x MAX BLADE TIP HEIGHT)
- V163 - SEE NOTE
- 709' N169 (1.1x MAX BLADE TIP HEIGHT)

SETBACK FOR:

- RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
- NONPARTICIPATING PROPERTY LINES
- PUBLIC ROAD RIGHT-OF-WAY
- OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY

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5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



SPEAKER SEC-23



Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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ATWELL
866.850.4200 www.atwell-group.com
TWO TOWNE SQUARE, SUITE 700
SOUTHFIELD, MI 48076
248.447.2600



SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 14 EAST
SPEAKER TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	44



# SPECIAL LINE RD		# SPECIAL LINE RD		# SPECIAL LINE RD		# SPECIAL LINE RD	
SPE-06	US ROUTE 30	SPE-05	US ROUTE 30	SPE-04	US ROUTE 30	SPE-03	US ROUTE 30
BRIDGES RD	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-07	US ROUTE 30	SPE-08	US ROUTE 30	SPE-09	US ROUTE 30	SPE-10	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-11	US ROUTE 30	SPE-12	US ROUTE 30	SPE-13	US ROUTE 30	SPE-14	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-15	US ROUTE 30	SPE-16	US ROUTE 30	SPE-17	US ROUTE 30	SPE-18	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-19	US ROUTE 30	SPE-20	US ROUTE 30	SPE-21	US ROUTE 30	SPE-22	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-23	US ROUTE 30	SPE-24	US ROUTE 30	SPE-25	US ROUTE 30	SPE-26	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-27	US ROUTE 30	SPE-28	US ROUTE 30	SPE-29	US ROUTE 30	SPE-30	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-31	US ROUTE 30	SPE-32	US ROUTE 30	SPE-33	US ROUTE 30	SPE-34	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-35	US ROUTE 30	SPE-36	US ROUTE 30	SPE-37	US ROUTE 30	SPE-38	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-39	US ROUTE 30	SPE-40	US ROUTE 30	SPE-41	US ROUTE 30	SPE-42	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-43	US ROUTE 30	SPE-44	US ROUTE 30	SPE-45	US ROUTE 30	SPE-46	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-47	US ROUTE 30	SPE-48	US ROUTE 30	SPE-49	US ROUTE 30	SPE-50	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-51	US ROUTE 30	SPE-52	US ROUTE 30	SPE-53	US ROUTE 30	SPE-54	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-55	US ROUTE 30	SPE-56	US ROUTE 30	SPE-57	US ROUTE 30	SPE-58	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-59	US ROUTE 30	SPE-60	US ROUTE 30	SPE-61	US ROUTE 30	SPE-62	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-63	US ROUTE 30	SPE-64	US ROUTE 30	SPE-65	US ROUTE 30	SPE-66	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-67	US ROUTE 30	SPE-68	US ROUTE 30	SPE-69	US ROUTE 30	SPE-70	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-71	US ROUTE 30	SPE-72	US ROUTE 30	SPE-73	US ROUTE 30	SPE-74	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-75	US ROUTE 30	SPE-76	US ROUTE 30	SPE-77	US ROUTE 30	SPE-78	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-79	US ROUTE 30	SPE-80	US ROUTE 30	SPE-81	US ROUTE 30	SPE-82	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-83	US ROUTE 30	SPE-84	US ROUTE 30	SPE-85	US ROUTE 30	SPE-86	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-87	US ROUTE 30	SPE-88	US ROUTE 30	SPE-89	US ROUTE 30	SPE-90	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-91	US ROUTE 30	SPE-92	US ROUTE 30	SPE-93	US ROUTE 30	SPE-94	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-95	US ROUTE 30	SPE-96	US ROUTE 30	SPE-97	US ROUTE 30	SPE-98	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-99	US ROUTE 30	SPE-100	US ROUTE 30	SPE-101	US ROUTE 30	SPE-102	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-103	US ROUTE 30	SPE-104	US ROUTE 30	SPE-105	US ROUTE 30	SPE-106	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-107	US ROUTE 30	SPE-108	US ROUTE 30	SPE-109	US ROUTE 30	SPE-110	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-111	US ROUTE 30	SPE-112	US ROUTE 30	SPE-113	US ROUTE 30	SPE-114	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-115	US ROUTE 30	SPE-116	US ROUTE 30	SPE-117	US ROUTE 30	SPE-118	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-119	US ROUTE 30	SPE-120	US ROUTE 30	SPE-121	US ROUTE 30	SPE-122	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-123	US ROUTE 30	SPE-124	US ROUTE 30	SPE-125	US ROUTE 30	SPE-126	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-127	US ROUTE 30	SPE-128	US ROUTE 30	SPE-129	US ROUTE 30	SPE-130	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-131	US ROUTE 30	SPE-132	US ROUTE 30	SPE-133	US ROUTE 30	SPE-134	US ROUTE 30
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SPE-135	US ROUTE 30	SPE-136	US ROUTE 30	SPE-137	US ROUTE 30	SPE-138	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-139	US ROUTE 30	SPE-140	US ROUTE 30	SPE-141	US ROUTE 30	SPE-142	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-143	US ROUTE 30	SPE-144	US ROUTE 30	SPE-145	US ROUTE 30	SPE-146	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-147	US ROUTE 30	SPE-148	US ROUTE 30	SPE-149	US ROUTE 30	SPE-150	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-151	US ROUTE 30	SPE-152	US ROUTE 30	SPE-153	US ROUTE 30	SPE-154	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-155	US ROUTE 30	SPE-156	US ROUTE 30	SPE-157	US ROUTE 30	SPE-158	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-159	US ROUTE 30	SPE-160	US ROUTE 30	SPE-161	US ROUTE 30	SPE-162	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-163	US ROUTE 30	SPE-164	US ROUTE 30	SPE-165	US ROUTE 30	SPE-166	US ROUTE 30
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SPE-167	US ROUTE 30	SPE-168	US ROUTE 30	SPE-169	US ROUTE 30	SPE-170	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-171	US ROUTE 30	SPE-172	US ROUTE 30	SPE-173	US ROUTE 30	SPE-174	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-175	US ROUTE 30	SPE-176	US ROUTE 30	SPE-177	US ROUTE 30	SPE-178	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-179	US ROUTE 30	SPE-180	US ROUTE 30	SPE-181	US ROUTE 30	SPE-182	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-183	US ROUTE 30	SPE-184	US ROUTE 30	SPE-185	US ROUTE 30	SPE-186	US ROUTE 30
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SPE-187	US ROUTE 30	SPE-188	US ROUTE 30	SPE-189	US ROUTE 30	SPE-190	US ROUTE 30
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SPE-191	US ROUTE 30	SPE-192	US ROUTE 30	SPE-193	US ROUTE 30	SPE-194	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-195	US ROUTE 30	SPE-196	US ROUTE 30	SPE-197	US ROUTE 30	SPE-198	US ROUTE 30
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SPE-199	US ROUTE 30	SPE-200	US ROUTE 30	SPE-201	US ROUTE 30	SPE-202	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-203	US ROUTE 30	SPE-204	US ROUTE 30	SPE-205	US ROUTE 30	SPE-206	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-207	US ROUTE 30	SPE-208	US ROUTE 30	SPE-209	US ROUTE 30	SPE-210	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-211	US ROUTE 30	SPE-212	US ROUTE 30	SPE-213	US ROUTE 30	SPE-214	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-215	US ROUTE 30	SPE-216	US ROUTE 30	SPE-217	US ROUTE 30	SPE-218	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-219	US ROUTE 30	SPE-220	US ROUTE 30	SPE-221	US ROUTE 30	SPE-222	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-223	US ROUTE 30	SPE-224	US ROUTE 30	SPE-225	US ROUTE 30	SPE-226	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-227	US ROUTE 30	SPE-228	US ROUTE 30	SPE-229	US ROUTE 30	SPE-230	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-231	US ROUTE 30	SPE-232	US ROUTE 30	SPE-233	US ROUTE 30	SPE-234	US ROUTE 30
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SPE-235	US ROUTE 30	SPE-236	US ROUTE 30	SPE-237	US ROUTE 30	SPE-238	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-239	US ROUTE 30	SPE-240	US ROUTE 30	SPE-241	US ROUTE 30	SPE-242	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-243	US ROUTE 30	SPE-244	US ROUTE 30	SPE-245	US ROUTE 30	SPE-246	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-247	US ROUTE 30	SPE-248	US ROUTE 30	SPE-249	US ROUTE 30	SPE-250	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-251	US ROUTE 30	SPE-252	US ROUTE 30	SPE-253	US ROUTE 30	SPE-254	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-255	US ROUTE 30	SPE-256	US ROUTE 30	SPE-257	US ROUTE 30	SPE-258	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-259	US ROUTE 30	SPE-260	US ROUTE 30	SPE-261	US ROUTE 30	SPE-262	US ROUTE 30
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SPE-263	US ROUTE 30	SPE-264	US ROUTE 30	SPE-265	US ROUTE 30	SPE-266	US ROUTE 30
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SPE-267	US ROUTE 30	SPE-268	US ROUTE 30	SPE-269	US ROUTE 30	SPE-270	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-271	US ROUTE 30	SPE-272	US ROUTE 30	SPE-273	US ROUTE 30	SPE-274	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-275	US ROUTE 30	SPE-276	US ROUTE 30	SPE-277	US ROUTE 30	SPE-278	US ROUTE 30
US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30	US ROUTE 30
SPE-279							

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THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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OF ATWELL LLC

MI ENERGY DEVELOPMENTS, LLC
NIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION 18

DATE	12/29/2025			
REVISIONS:				
REVISIONS				
SCALE	0	150	300	
	1" = 300 FEET			
DR. MB/GS	CH.	BS		
P.M. BS				
BOOK	--			
JOB	21003645			
	SHEET NO.			
	45			

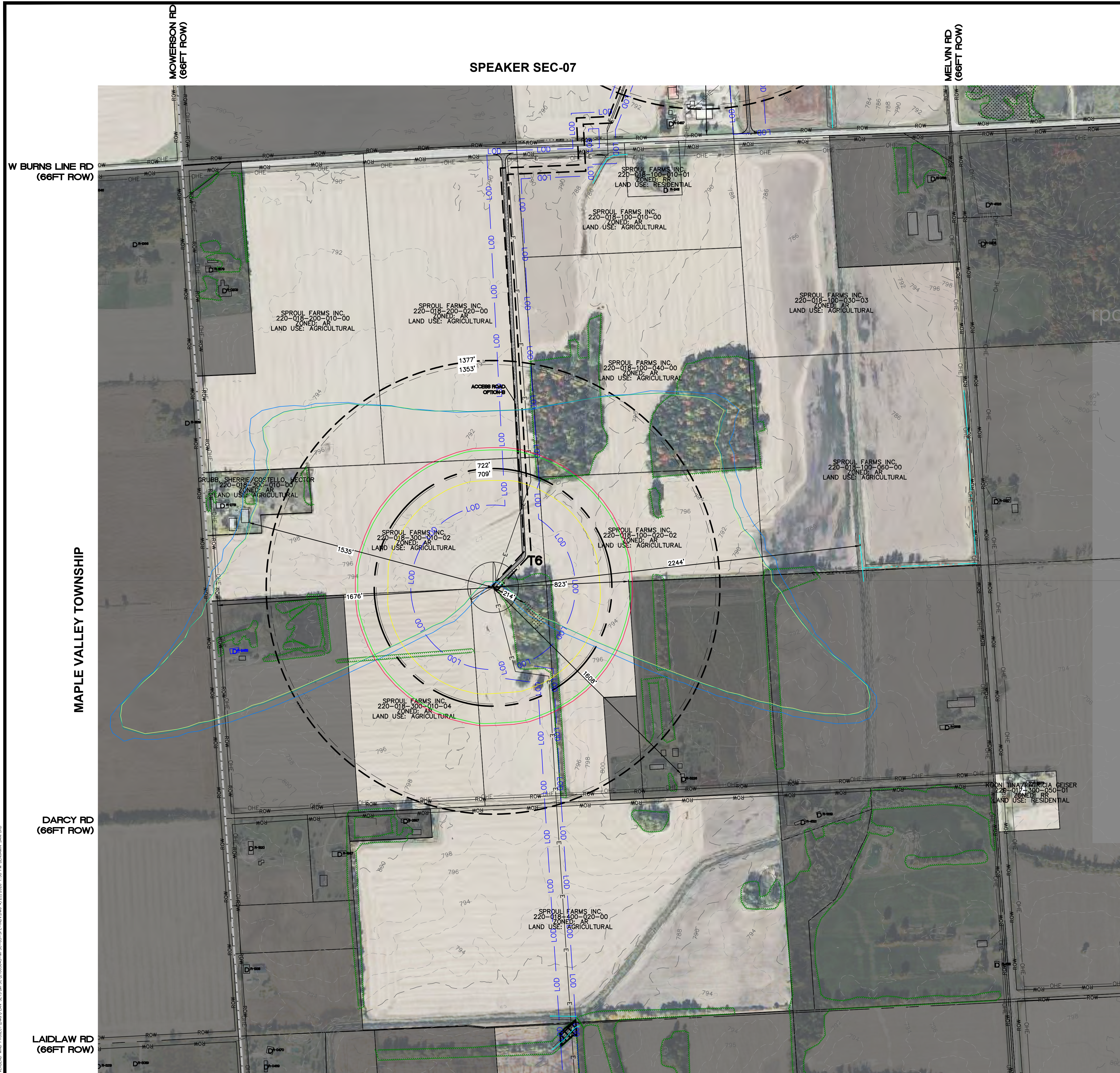


LEGEND



1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.

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SPEAKER SEC-19



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SOUTHFIELD, MI 48076
248.447.2600

SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 14 EAST
SPEAKER TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
SPEAKER TOWNSHIP - SECTION	19

DATE 12/29/2025

REVISIONS:

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	46

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSOC\21003645-WPSC-05-SPE-INDY

SPE-06	SPE-05	SPE-04	SPE-03	SPE-02	SPE-01
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
SPE-19	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36

KEY MAP

NO SCALE

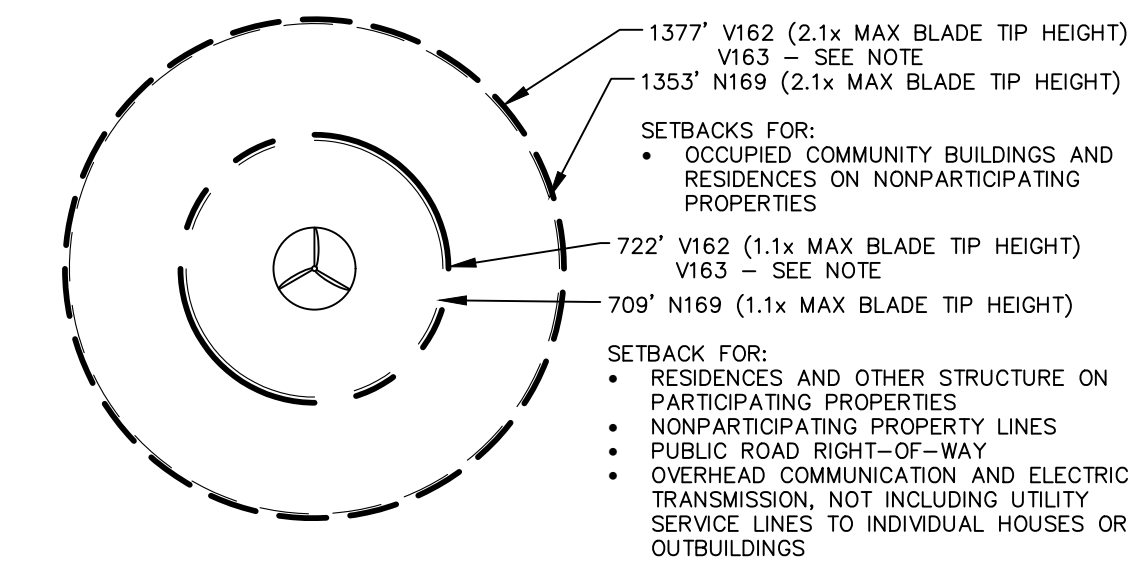
LEGEND

- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
- EXISTING ROAD R.O.W.
- DECOMMISSIONED RAIL TRACKS
- EXISTING TOWNSHIP LINE
- EXISTING SECTION LINE
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UTILITY POLE
- EXISTING TRANSMISSION LINE
- EXISTING TREE LINE
- EXISTING PARCEL BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING WATERCOURSE (DELINEATED)
- EXISTING WATERBODY (DELINEATED)
- EXISTING WETLAND (DELINEATED)
- NON-PARTICIPATING PARCEL
- PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
- PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED CRANEWALK
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED TREE CLEARING
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- EXISTING COUNTY ROAD
- PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
- PROPOSED WTG (WIND TURBINE GENERATOR)
- MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
196.5 M (644 FT) (NORDEX N169)
195.5 M (655 FT) (VESTAS V163)
- 30-HOUR SHADOW FLICKER (NORDEX N169)
- 30-HOUR SHADOW FLICKER (VESTAS V162)
- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG ID

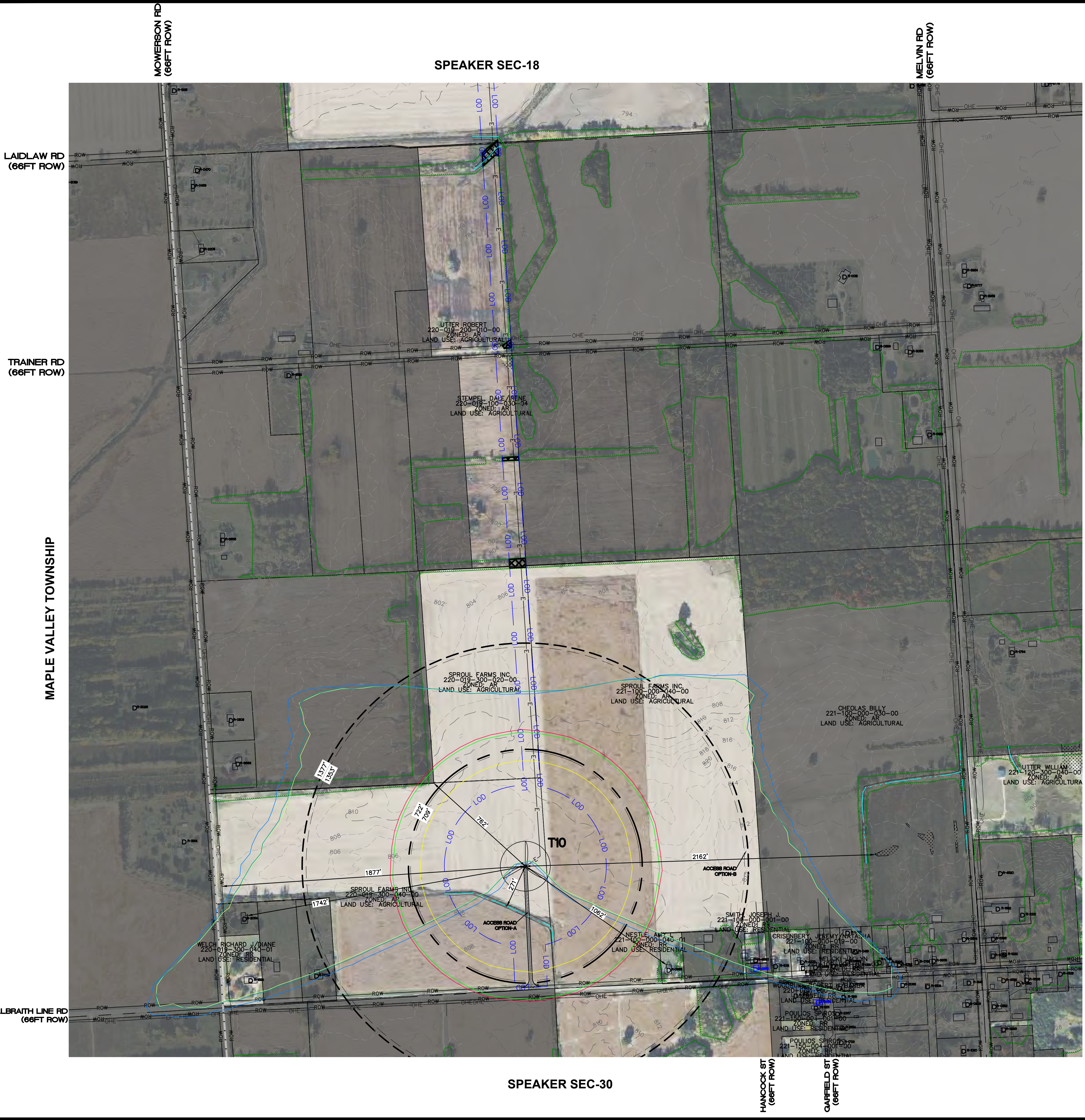


WTG SETBACKS



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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WPSOC\21003645-WPSC-05-SPE-INDY

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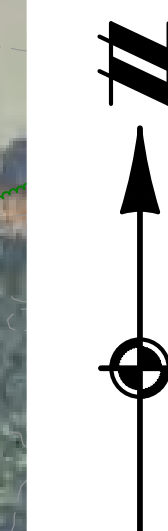


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MI ENERGY DEVELOPMENTS, LLC
 WIND ENERGY FACILITY
 APPENDIX 1.1-A – PROJECT LAYOUT
 SPEAKER TOWNSHIP – SECTION 20

REVISIONS:

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
<u>SHEET NO.</u>	
47	



SPEAKER SEC-21

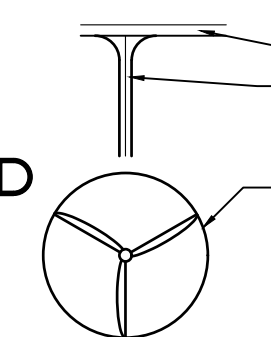
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SPE-07 US HIGHWAY 101 US HIGHWAY 101	SPE-08 US HIGHWAY 101 US HIGHWAY 101	SPE-09 US HIGHWAY 101 US HIGHWAY 101	SPE-10 US HIGHWAY 101 US HIGHWAY 101	SPE-11 US HIGHWAY 101 US HIGHWAY 101	SPE-12 US HIGHWAY 101 US HIGHWAY 101
SPE-13 DARTY RD DARTY RD	SPE-14 TOWNSEND RD TOWNSEND RD	SPE-15 TOWNSEND RD TOWNSEND RD	SPE-16 TOWNSEND RD TOWNSEND RD	SPE-17 TOWNSEND RD TOWNSEND RD	SPE-18 TOWNSEND RD TOWNSEND RD
SPE-19 TRAINER RD TRAINER RD	SPE-20 MAIN ST MAIN ST	SPE-21 C. CALBREATH LINE RD C. CALBREATH LINE RD	SPE-22 C. CALBREATH LINE RD C. CALBREATH LINE RD	SPE-23 C. CALBREATH LINE RD C. CALBREATH LINE RD	SPE-24 C. CALBREATH LINE RD C. CALBREATH LINE RD
SPE-25 W. WILLIAM LINE RD W. WILLIAM LINE RD	SPE-26 W. WILLIAM LINE RD W. WILLIAM LINE RD	SPE-27 W. WILLIAM LINE RD W. WILLIAM LINE RD	SPE-28 W. WILLIAM LINE RD W. WILLIAM LINE RD	SPE-29 W. WILLIAM LINE RD W. WILLIAM LINE RD	SPE-30 W. WILLIAM LINE RD W. WILLIAM LINE RD
SPE-31 FISHER RD FISHER RD	SPE-32 FISHER RD FISHER RD	SPE-33 FISHER RD FISHER RD	SPE-34 FISHER RD FISHER RD	SPE-35 FISHER RD FISHER RD	SPE-36 FISHER RD FISHER RD

KEY MAP

NO SCALE

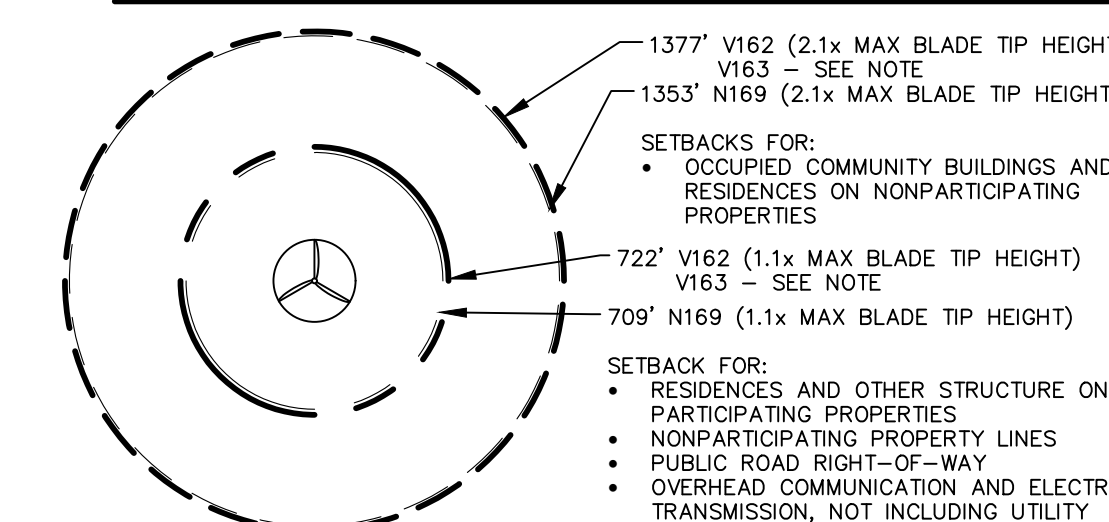
LEGEND

 EXISTING STRUCTURE
 EXISTING OCCUPIED DWELLING
 EXISTING OCCUPIED DWELLING (SURVEYED)
 EXISTING OCCUPIED DWELLING – NON-PARTICIPATING
 SHADOW FLICKER MITIGATION
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 DECOMMISSIONED RAIL TRACKS
 EXISTING TOWNSHIP LINE
 EXISTING SECTION LINE
 EXISTING OVERHEAD ELECTRICAL
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 EXISTING WATERBODY (DELINEATED)
 EXISTING WETLAND (DELINEATED)
 NON-PARTICIPATING PARCEL
 PROPOSED FENCE
 (SUBSTATION & LAYDOWN YARD)
 PROPOSED COLLECTION LINE ROUTE
 (TO BE BURIED NO LESS THAN 4FT)
 PROPOSED LIMITS OF DISTURBANCE
 PROPOSED CRANEWALK
 PROPOSED ACCESS ROAD GRAVEL

WTG ID 

30-HOUR SHADOW FLICKER (NORDEX N169)
30-HOUR SHADOW FLICKER (VESTAS V162)
30-HOUR SHADOW FLICKER (VESTAS V163)
55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162
- 7.2 MW - SEE NOTE)
55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



NOTES:

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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 14 EAST
SPEAKER TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A – PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	48

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-05-SPE-M01

# SPECIAL LINE RD					
SPE-06	SPE-05	SPE-04	SPE-03	SPE-02	SPE-01
BRIDGES RD	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
DARCY RD	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
TRAINER RD	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100
SPE-19	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
MAID ST	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
W. WELLMAN LINE RD	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36
USHER RD	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100	ON HIGHWAY 100

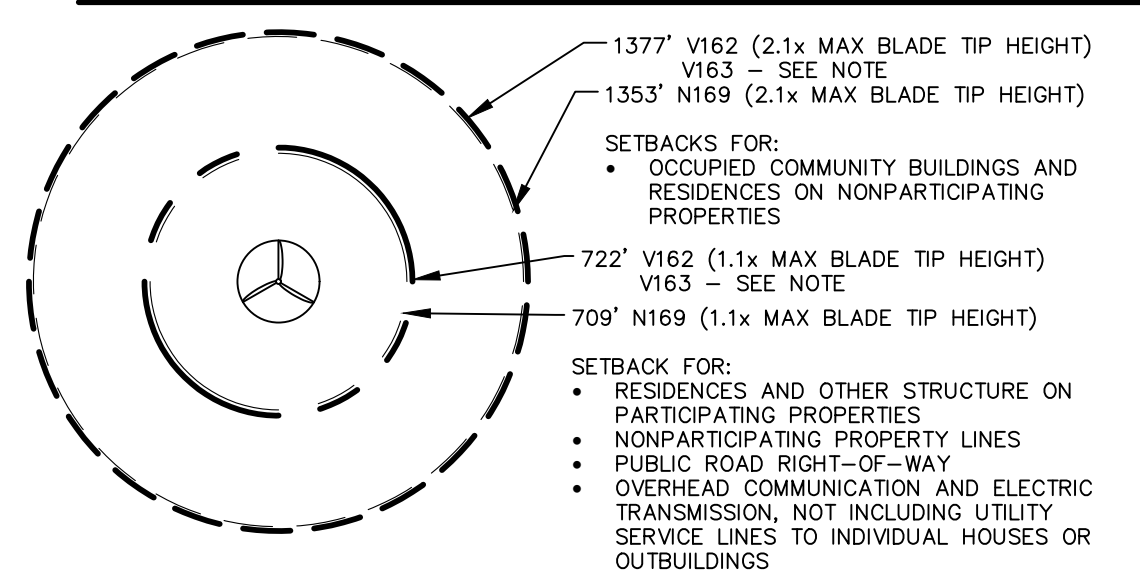
KEY MAP

NO SCALE

LEGEND

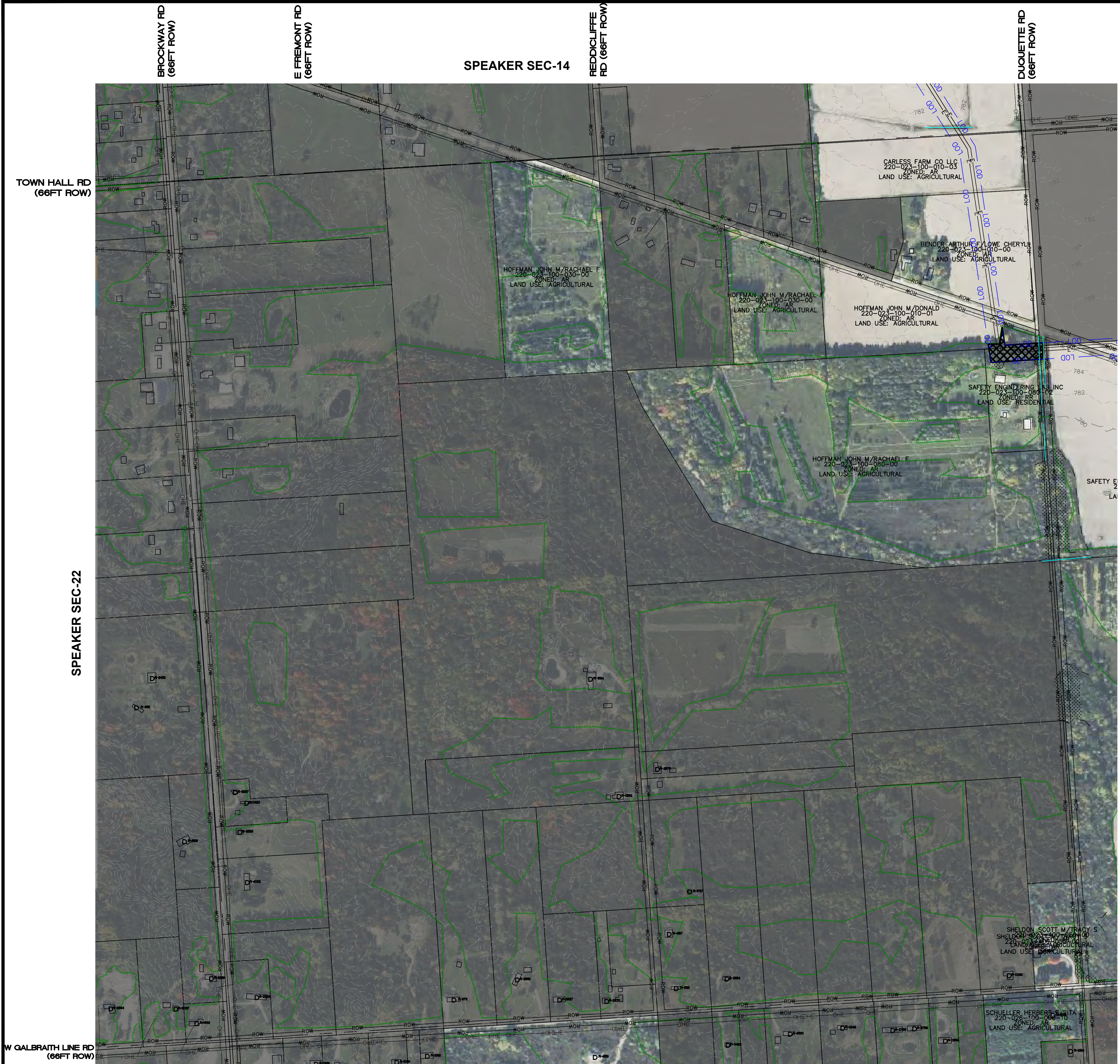
- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING – NON–PARTICIPATING – SHADOW FLICKER MITIGATION
- EXISTING ROAD R.O.W.
- DECOMMISSIONED RAIL TRACKS
- EXISTING TOWNSHIP LINE
- EXISTING SECTION LINE
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UTILITY POLE
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- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING WATERCOURSE (DELINEATED)
- EXISTING WETLAND (DELINEATED)
- NON–PARTICIPATING PARCEL
- PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
- PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
- PROPOSED LIMITS OF DISTURBANCE
- PROPOSED CRANE WALK
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED TREE CLEARING
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- EXISTING COUNTY ROAD
- PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
- PROPOSED WTG (WIND TURBINE GENERATOR)
- WTG ID
- 30–HOUR SHADOW FLICKER (VESTAS V162)
- 30–HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW – SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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SPEAKER SEC-26

SPEAKER SEC-22

SPEAKER SEC-14

W GALBRAITH LINE RD (66FT ROW)

TOWN HALL RD (66FT ROW)

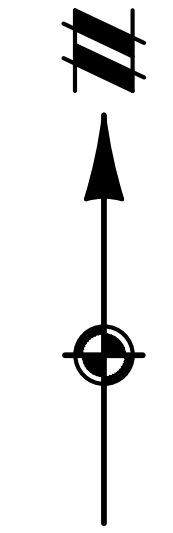
E FREMONT RD (66FT ROW)

BROCKWAY RD (66FT ROW)

REDDCLIFFE RD (66FT ROW)

DUQUETTE RD (66FT ROW)

GARDNER LINE RD (66FT ROW)



S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-05-SPE-M01.DWG 1/23/2026 1:40 PM BENJAMIN SANFORD

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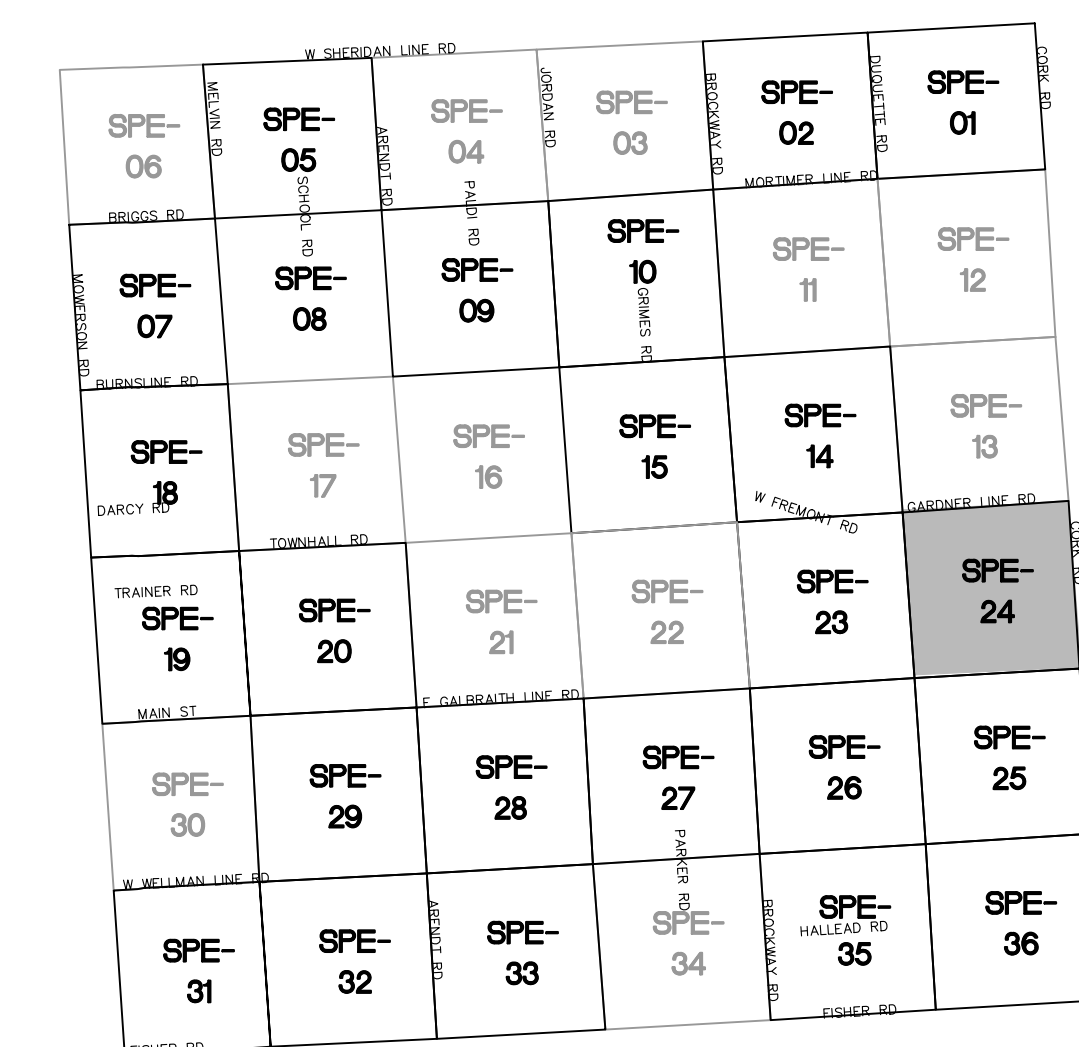
SECTIONS: VARIOUS
TOWN 09 NORTH, RANGE 14 EAST
SPEAKER TOWNSHIP
SANILAC COUNTY, MICHIGAN

MI ENERGY DEVELOPMENTS, LLC
VERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION
24

CLIENT	R AP
DATE	12/29/2025

REVISIONS:

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
<u>SHEET NO.</u>	
49	

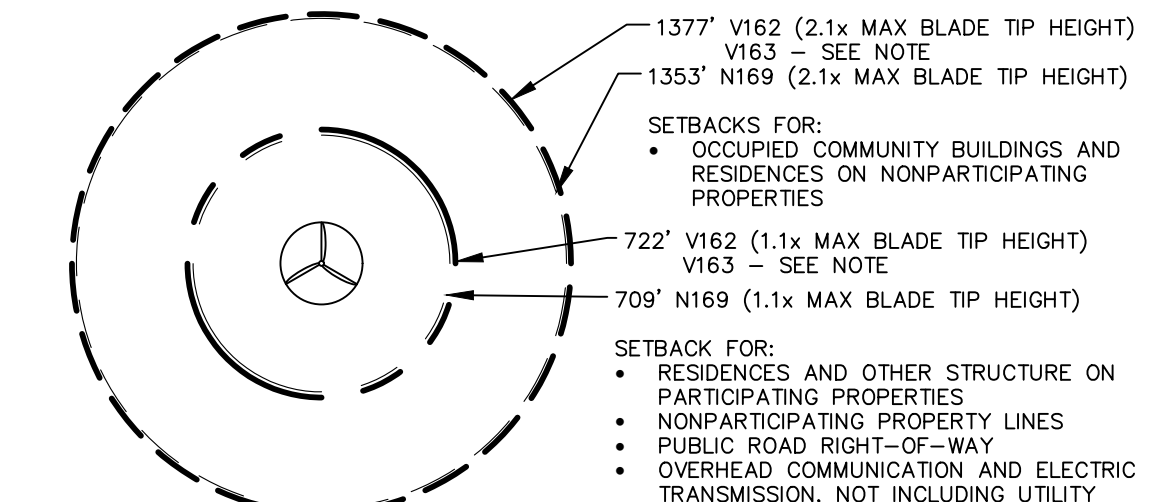


NO SCALE

-
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 EXISTING OCCUPIED DWELLING
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 EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
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 EXISTING SECTION LINE
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 O.U.P.
 EXISTING UTILITY POLE
 EXISTING TRANSMISSION LINE
 EXISTING TREE LINE
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 PROPOSED TREE CLEARING
 PROPOSED MET TOWER
 PROPOSED ADLS TOWER

✓

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55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162)
7.2 MW – SEE NOTE
55 DBA SOUND CONTOUR (VESTAS V163)



FREMONT TOWNSHIP

FREMONT TOWNSHIP

NI

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5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
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ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



SPEAKER SEC-25

SPEAKER SEC-25



SPE-06	SPE-05	SPE-04	SPE-03	SPE-02	SPE-01
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
SPE-19	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36

KEY MAP
NO SCALE

LEGEND

EXISTING STRUCTURE

EXISTING OCCUPIED DWELLING

EXISTING OCCUPIED DWELLING (SURVEYED)

EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION

EXISTING ROAD R.O.W.

DECOMMISSIONED RAIL TRACKS

EXISTING TOWNSHIP LINE

EXISTING SECTION LINE

EXISTING OVERHEAD ELECTRICAL

EXISTING UTILITY POLE

EXISTING TRANSMISSION LINE

EXISTING TREE LINE

EXISTING PARCEL BOUNDARY

EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

EXISTING WATERCOURSE (DELINEATED)

EXISTING WETLAND (DELINEATED)

NON-PARTICIPATING PARCEL

PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)

PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)

PROPOSED LIMITS OF DISTURBANCE

PROPOSED CRANE/WALK

PROPOSED ACCESS ROAD GRAVEL

PROPOSED TREE CLEARING

PROPOSED MET TOWER

PROPOSED ADLS TOWER

EXISTING COUNTY ROAD

PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)

PROPOSED WTG (WIND TURBINE GENERATOR)

MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 - 6.0, 6.8 & 7.2 MW)
196.5 M (644 FT) (NORDEX N169)
195.5 M (655 FT) (VESTAS V163)

30-HOUR SHADOW FLICKER (NORDEX N169)

30-HOUR SHADOW FLICKER (VESTAS V162)

55 DBA SOUND CONTOUR (NORDEX N169)

55 DBA SOUND CONTOUR (VESTAS V162)

7.2 MW - SEE NOTE

55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS

1377' V162 (2.1x MAX BLADE TIP HEIGHT)
V163 - SEE NOTE
1353' N169 (2.1x MAX BLADE TIP HEIGHT)

SETBACKS FOR:
• OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES

722' V162 (1.1x MAX BLADE TIP HEIGHT)
V163 - SEE NOTE

709' N169 (1.1x MAX BLADE TIP HEIGHT)

SETBACK FOR:
• RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
• NONPARTICIPATING PROPERTY LINES
• PUBLIC ROAD RIGHT-OF-WAY
• OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

- NOTES:
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CLIENT	SECTIONS: VARIOUS
	TOWN 09 NORTH, RANGE 14 EAST
	SPEAKER TOWNSHIP
CLIENT	MI ENERGY DEVELOPMENTS, LLC
	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	50

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND - MISC PROJECTS\DWG\PLAN SETS\MPSC\21003645-MPSC-05-SPE-IND01



SPEAKER SEC-25

SPE-06	SPE-05	SPE-04	SPE-03	SPE-02	SPE-01
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
SPE-19	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36

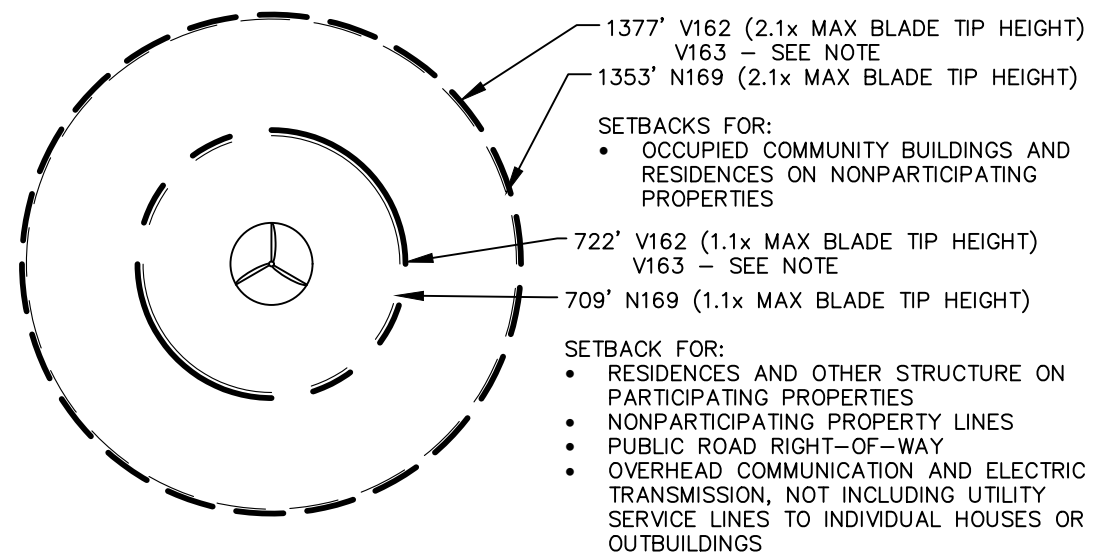
KEY MAP

NO SCALE

LEGEND

- EXISTING STRUCTURE
- EXISTING OCCUPIED DWELLING
- EXISTING OCCUPIED DWELLING (SURVEYED)
- EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
- EXISTING ROAD R.O.W.
- DECOMMISSIONED RAIL TRACKS
- EXISTING TOWNSHIP LINE
- EXISTING SECTION LINE
- EXISTING OVERHEAD ELECTRICAL
- EXISTING UTILITY POLE
- EXISTING TRANSMISSION LINE
- EXISTING TREE LINE
- EXISTING PARCEL BOUNDARY
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING WATERCOURSE (DELINEATED)
- EXISTING WETLAND (DELINEATED)
- NON-PARTICIPATING PARCEL
- PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
- PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
- PROPOSED LIMITS OF DISTURBANCE
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- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED TREE CLEARING
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- EXISTING COUNTY ROAD
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- 196.5 M (644 FT) (NORDEX N169)
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- 30-HOUR SHADOW FLICKER (VESTAS V162)
- 30-HOUR SHADOW FLICKER (VESTAS V163)
- 55 DBA SOUND CONTOUR (NORDEX N169)
- 55 DBA SOUND CONTOUR (VESTAS V162)
- 7.2 MW - SEE NOTE
- 55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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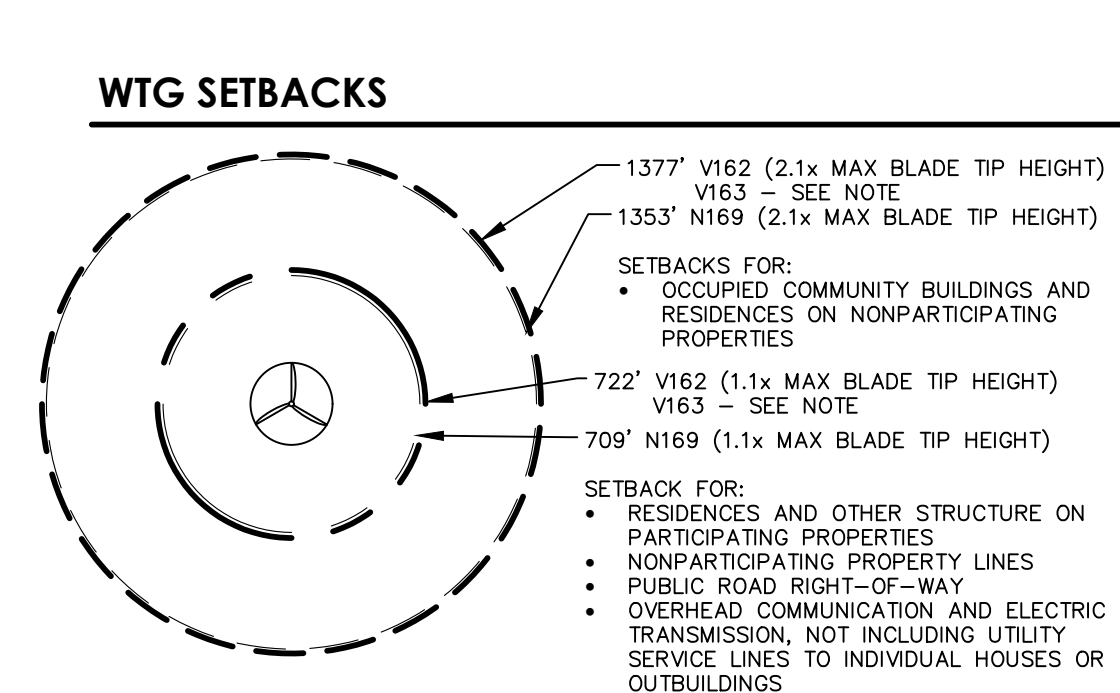
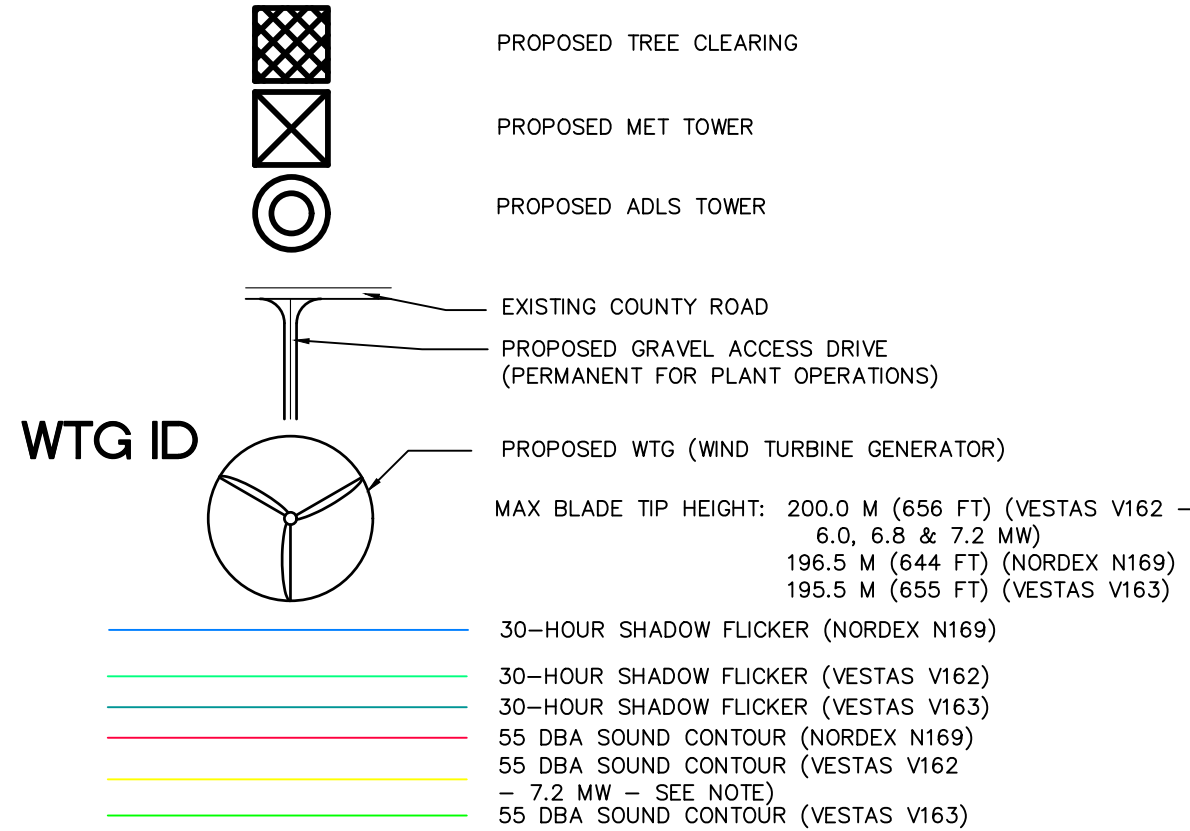
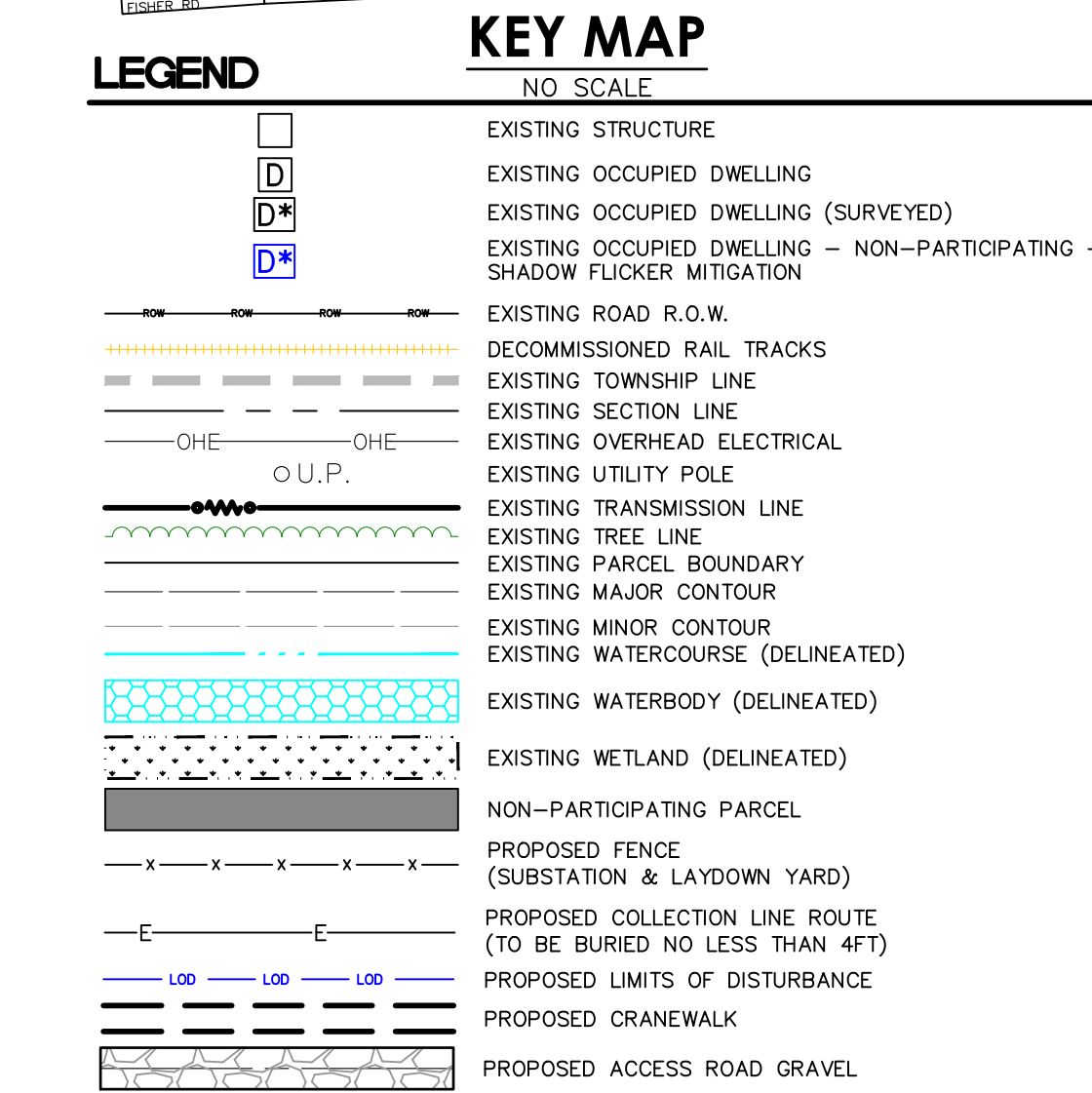
SECTIONS:	VARIOUS
TOWN 09 NORTH, RANGE 14 EAST	
SPEAKER TOWNSHIP	
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS:	

REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	51

T	MI ENERGY DEVELOPMENTS, LLC	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A – PROJECT LAYOUT	SPEAKER TOWNSHIP—SECTION 27
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REVISIONS:



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WORK, OF PERSONS ENGAGED IN THE
WORK, OF ANY NEARBY STRUCTURES, OR
OF ANY OTHER PERSONS.

	OF ATRILL ECG

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CLIENT	RR AP
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REVISIONS: _____

SCALE 0 150 300

P.M. BS	
BOOK	--

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SPEAKER SEC-28

KEY MAP
NO SCALE

NO SCALE

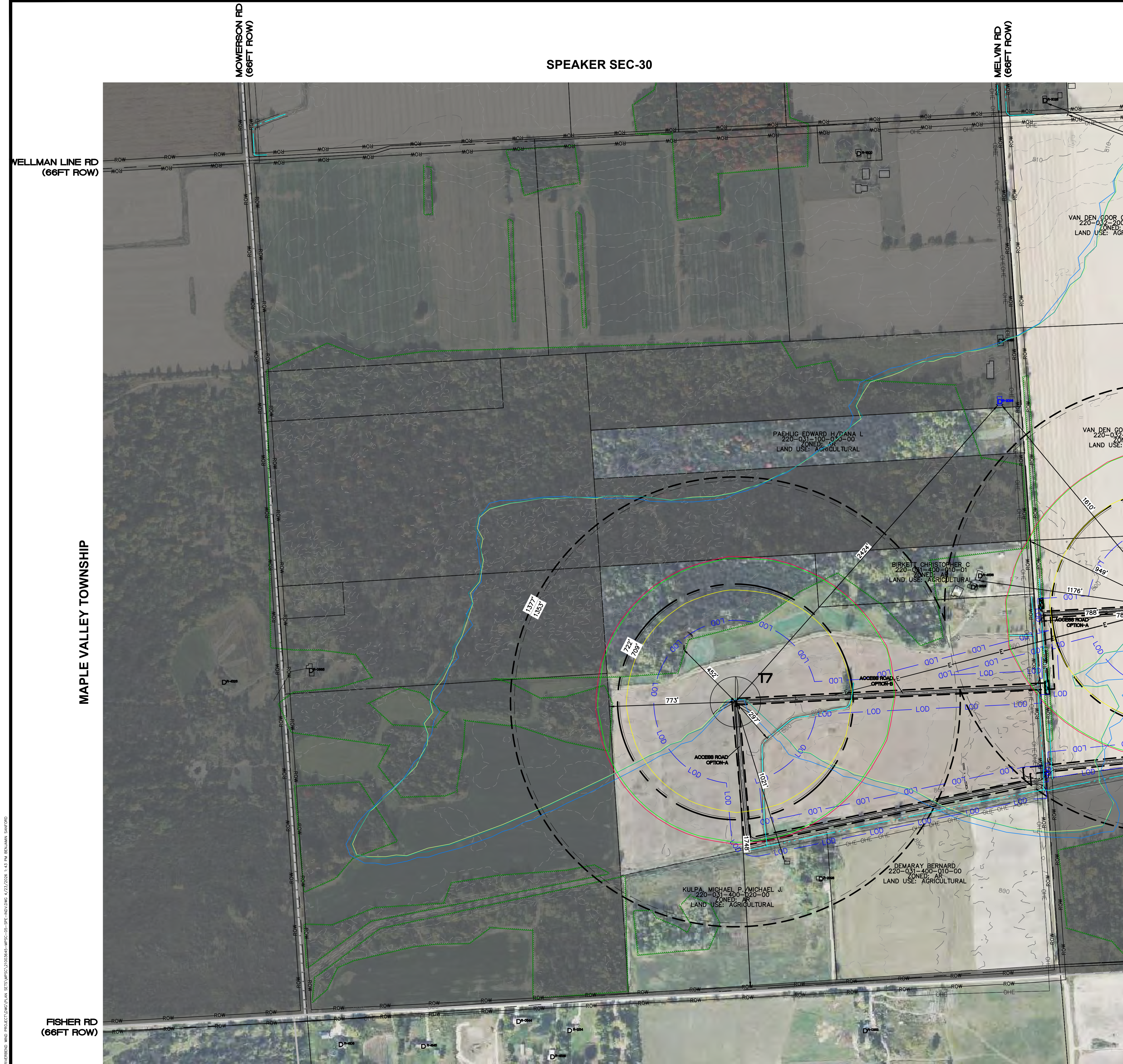
WTC SETBACKS



1. EU

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SPEAKER SEC-31

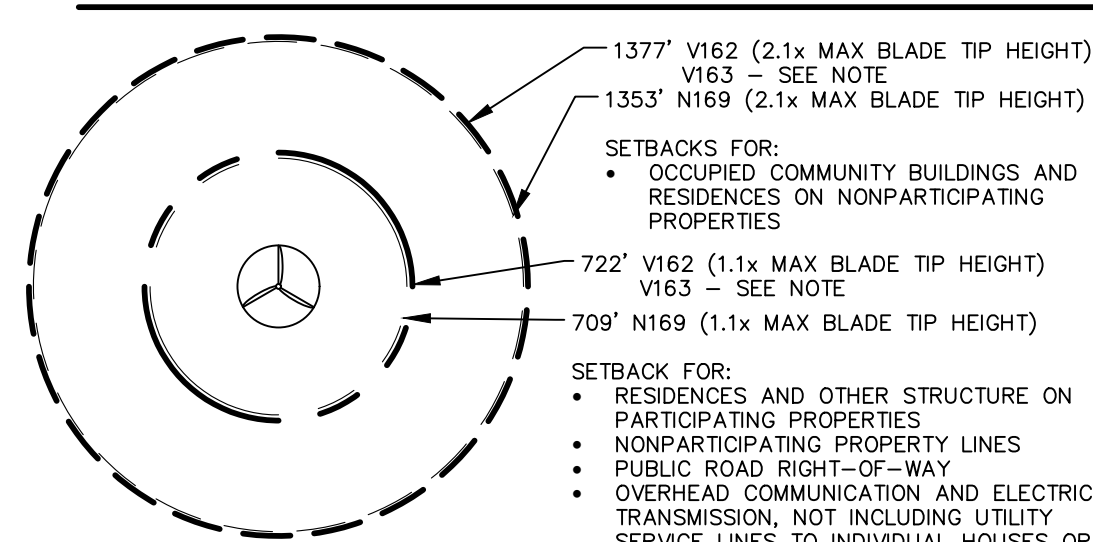
W. SHERMAN LINE RD.					
SPE-06	US TOWNSHIP	SPE-05	US TOWNSHIP	SPE-04	US TOWNSHIP
BRIDGES RD.	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	SPE-03	US TOWNSHIP
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
DARCY RD.	TORRELL RD.	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP
TRAINER RD.	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
WADY ST.	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
W. WELLMAN LINE RD.	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36
POWER RD.	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP	US TOWNSHIP

KEY MAP
NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
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	196.5 M (644 FT) (NORDEX N169)
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	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162)
	7.2 MW - SEE NOTE
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



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SECTIONS:	VARIOUS
TOWN	09 NORTH, RANGE 14 EAST
SPEAKER	TOWNSHIP
SANILAC COUNTY,	MICHIGAN

CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
SPEAKER	TOWNSHIP - SECTION 31

DATE	12/29/2025
REVISIONS:	
REVISIONS	
SCALE	0 150 300
1" =	300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	55

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND - PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-05-SPE-IND01

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MI ENERGY DEVELOPMENTS, LLC
 DIVERSEND WIND ENERGY FACILITY
 APPENDIX 1.1-A – PROJECT LAYOUT
 SPEAKER TOWNSHIP—SECTION 32

REVISIONS	
SCALE	0 150 300
	
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
<u>SHEET NO.</u>	
56	

[illegible]

SPEAKER SEC-33

NO SCALE

WTG ID

PROPOSED TREE CLEARING

PROPOSED MET TOWER

PROPOSED ADLS TOWER

EXISTING COUNTY ROAD

PROPOSED GRAVEL ACCESS DRIVE
(PERMANENT FOR PLANT OPERATIONS)

PROPOSED WTG (WIND TURBINE GENERATOR)

MAX. BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V 6.0, 6.8 & 7.2 MW)
196.5 M (644 FT) (NORDEX X 195.5 M (655 FT) (VESTAS V 30-HOUR SHADOW FLICKER (NORDEX N169)
30-HOUR SHADOW FLICKER (VESTAS V162)
30-HOUR SHADOW FLICKER (VESTAS V163)
55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162)
= 7.2 MW - SEE NOTE
55 DBA SOUND CONTOUR (VESTAS V163)

The diagram shows a circular property with a central circular area divided into three sectors. The outer boundary is a dashed line. Various setbacks and easements are indicated by arrows pointing to the boundary:

- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)** and **V163 - SEE NOTE** point to the top boundary.
- 1353' N169 (2.1x MAX BLADE TIP HEIGHT)** points to the right boundary.
- 722' V162 (1.1x MAX BLADE TIP HEIGHT)** and **V163 - SEE NOTE** point to the bottom boundary.
- 709' N169 (1.1x MAX BLADE TIP HEIGHT)** points to the left boundary.

Two text blocks are present:

SETBACKS FOR:

- OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES

SETBACK FOR:

- RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
- NONPARTICIPATING PROPERTY LINES
- PUBLIC ROAD RIGHT-OF-WAY
- OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

NOTES:

- NOTES:
1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 2. ROAD ROW, SHOWN, WILL BE CONSTRUCTED AT EACH TURBINE.
 3. O&A FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
 4. FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
 5. THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
 6. DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

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MI ENERGY DEVELOPMENTS, LLC
NIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION 33

REVISIONS: _____

[illegible]

SCALE	0	150	300
			
1" = 300 FEET			
DR. MB/GS	CH. BS		
P.M. BS			
BOOK	--		
JOB	21003645		
<u>SHEET NO.</u>			
57			



 EXISTING STRUCTURE
 EXISTING OCCUPIED DWELLING
 EXISTING OCCUPIED DWELLING (SURVEYED)
 EXISTING OCCUPIED DWELLING – NON-PARTICIPATING – SHADOW FLICKER MITIGATION
 EXISTING ROAD R.O.W.
 DECOMMISSIONED RAIL TRACKS
 EXISTING TOWNSHIP LINE
 EXISTING SECTION LINE
 EXISTING OVERHEAD ELECTRICAL
 EXISTING UTILITY POLE
 EXISTING TRANSMISSION LINE
 EXISTING TREE LINE
 EXISTING PARCEL BOUNDARY
 EXISTING MAJOR CONTOUR
 EXISTING MINOR CONTOUR
 EXISTING WATERCOURSE (DELINEATED)
 EXISTING WATERBODY (DELINEATED)
 EXISTING WETLAND (DELINEATED)
 NON-PARTICIPATING PARCEL
 PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
 PROPOSED COLLECTION LINE ROUTE (TO BE BURIED LESS THAN 4FT)
 PROPOSED LIMITS OF DISTURBANCE
 PROPOSED CRANEWALK
 PROPOSED ACCESS ROAD GRAVEL

D



PROPOSED WTG (WIND TURBINE GENERATOR)

MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162 – 6.0, 6.8 & 7.2 MW)
196.5 M (644 FT) (NORDEX N169)
195.5 M (635 FT) (VESTAS V163)

30-HOUR SHADOW FLICKER (NORDEX N169)

30-HOUR SHADOW FLICKER (VESTAS V162)
30-HOUR SHADOW FLICKER (VESTAS V163)
55 DBA SOUND CONTOUR (NORDEX N169)
55 DBA SOUND CONTOUR (VESTAS V162 – 7.2 MW – SEE NOTE)
55 DBA SOUND CONTOUR (VESTAS V163)

Diagram illustrating a circular road layout with setbacks and dimensions:

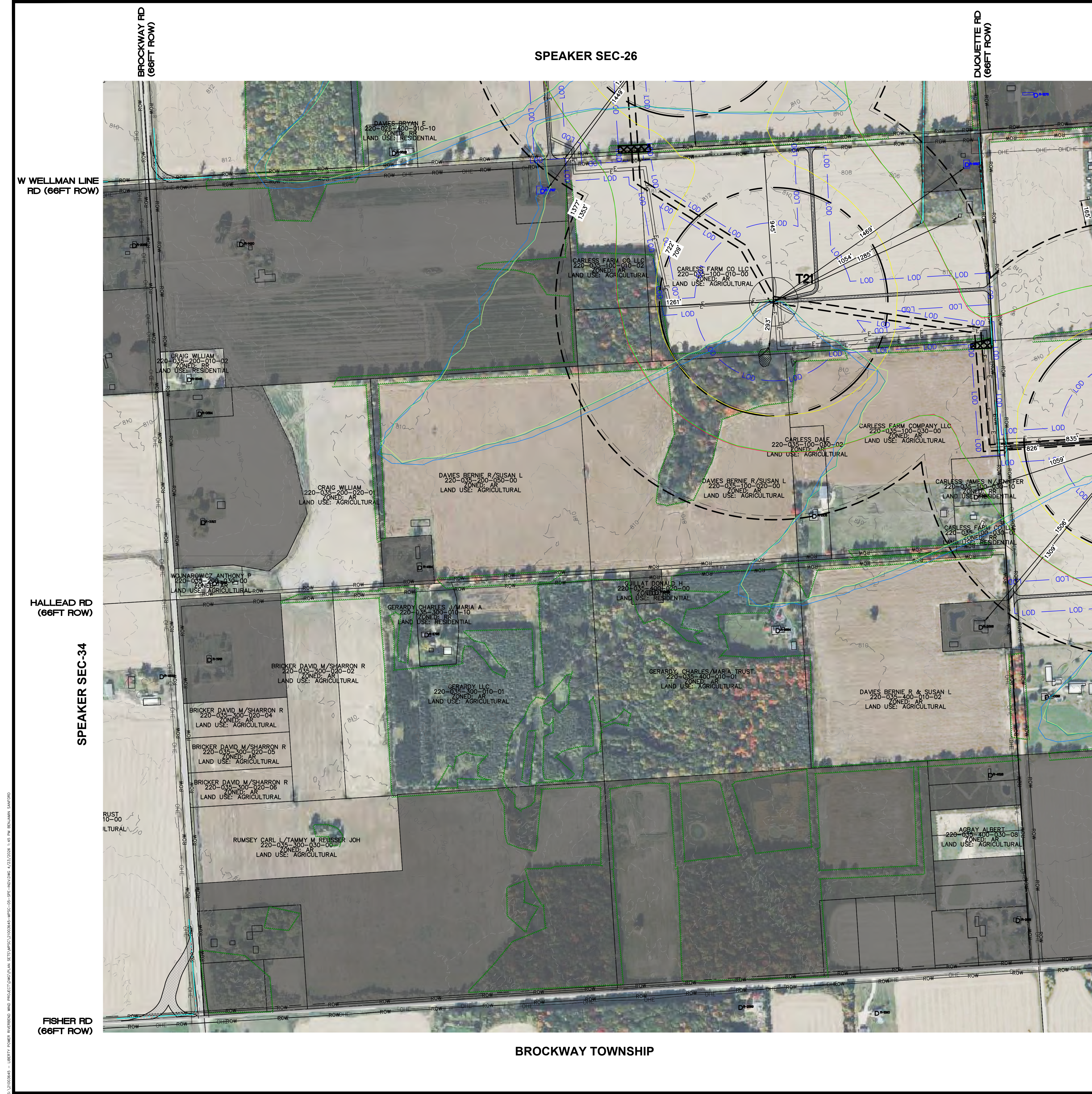
- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)
- V163 - SEE NOTE
- 1353' N169 (2.1x MAX BLADE TIP HEIGHT)
- SETBACKS FOR:
 - OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES
- 722' V162 (1.1x MAX BLADE TIP HEIGHT)
- V163 - SEE NOTE
- 709' N169 (1.1x MAX BLADE TIP HEIGHT)
- SETBACK FOR:
 - RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
 - NONPARTICIPATING PROPERTY LINES
 - PUBLIC ROAD RIGHT-OF-WAY
 - OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

1. ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
2. ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
3. O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
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BROCKWAY TOWNSHIP

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



SPEAKER SEC-36



SPE-06	SPE-05	SPE-04	SPE-03	SPE-02	SPE-01
SPE-07	SPE-08	SPE-09	SPE-10	SPE-11	SPE-12
SPE-18	SPE-17	SPE-16	SPE-15	SPE-14	SPE-13
SPE-19	SPE-20	SPE-21	SPE-22	SPE-23	SPE-24
SPE-30	SPE-29	SPE-28	SPE-27	SPE-26	SPE-25
SPE-31	SPE-32	SPE-33	SPE-34	SPE-35	SPE-36

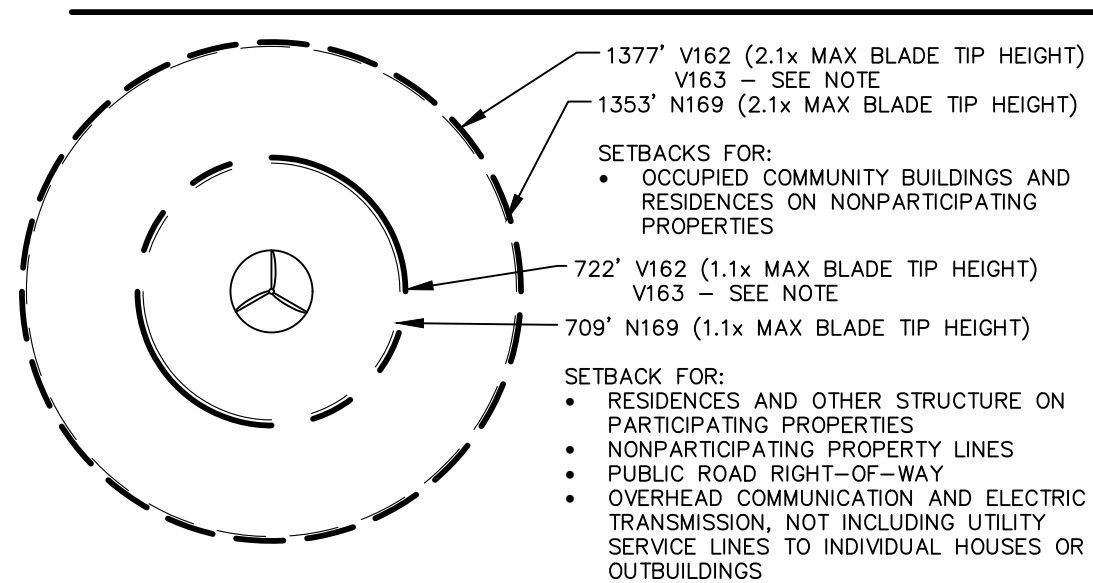
KEY MAP

NO SCALE

LEGEND

	EXISTING STRUCTURE
	EXISTING OCCUPIED DWELLING
	EXISTING OCCUPIED DWELLING (SURVEYED)
	EXISTING OCCUPIED DWELLING - NON-PARTICIPATING - SHADOW FLICKER MITIGATION
	EXISTING ROAD R.O.W.
	DECOMMISSIONED RAIL TRACKS
	EXISTING TOWNSHIP LINE
	EXISTING SECTION LINE
	EXISTING OVERHEAD ELECTRICAL
	EXISTING UTILITY POLE
	EXISTING TRANSMISSION LINE
	EXISTING TREE LINE
	EXISTING PARCEL BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING WATERCOURSE (DELINEATED)
	EXISTING WETLAND (DELINEATED)
	NON-PARTICIPATING PARCEL
	PROPOSED FENCE (SUBSTATION & LAYDOWN YARD)
	PROPOSED COLLECTION LINE ROUTE (TO BE BURIED NO LESS THAN 4FT)
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED CRANE WALK
	PROPOSED ACCESS ROAD GRAVEL
	PROPOSED TREE CLEARING
	PROPOSED MET TOWER
	PROPOSED ADLS TOWER
	EXISTING COUNTY ROAD
	PROPOSED GRAVEL ACCESS DRIVE (PERMANENT FOR PLANT OPERATIONS)
	PROPOSED WTG (WIND TURBINE GENERATOR)
	WTG ID
	30-HOUR SHADOW FLICKER (VESTAS V162)
	30-HOUR SHADOW FLICKER (VESTAS V163)
	55 DBA SOUND CONTOUR (NORDEX N169)
	55 DBA SOUND CONTOUR (VESTAS V162)
	55 DBA SOUND CONTOUR (VESTAS V163)

WTG SETBACKS



- NOTES:
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NOTICE:
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CLIENT	MI ENERGY DEVELOPMENTS, LLC
PROJECT	RIVERBEND WIND ENERGY FACILITY
APPENDIX	1.1-A - PROJECT LAYOUT
SECTION	VARIOUS
TOWN	09 NORTH, RANGE 14 EAST
TOWNSHIP	SPEAKER
COUNTY	SANILAC COUNTY, MICHIGAN
DATE	12/29/2025
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
DR.	MB/GS
CH.	BS
P.M.	BS
BOOK	--
JOB	21003645
SHEET NO.	58

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-05-SPE-IND01

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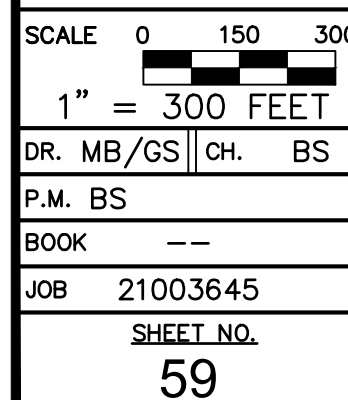
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MI ENERGY DEVELOPMENTS, LLC
NIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
SPEAKER TOWNSHIP – SECTION 36

REVISIONS:



EXISTING STRUCTURE

EXISTING OCCUPIED DWELLING

EXISTING OCCUPIED DWELLING (SURVEY'ED)

EXISTING OCCUPIED DWELLING - NON-PARTICIPATING -
SHADOW FLICKER MITIGATION

EXISTING ROAD R.O.W.

DECOMMISSIONED RAIL TRACKS

EXISTING TOWNSHIP LINE

EXISTING SECTION LINE

EXISTING OVERHEAD ELECTRICAL

EXISTING UTILITY POLE

EXISTING TRANSMISSION LINE

EXISTING TREE LINE

EXISTING PARCEL BOUNDARY

EXISTING MAJOR CONTOUR

EXISTING MINOR CONTOUR

EXISTING WATERCOURSE (DELINEATED)

EXISTING WATERBODY (DELINEATED)

EXISTING WETLAND (DELINEATED)

NON-PARTICIPATING PARCEL

PROPOSED FENCE
(SUBSTATION & LAYDOWN YARD)

PROPOSED COLLECTION LINE ROUTE
(TO BE BURIED NO LESS THAN 4FT)

PROPOSED LIMITS OF DISTURBANCE

PROPOSED CRANEWALK

PROPOSED ACCESS ROAD GRAVEL

PROPOSED TREE CLEARING

PROPOSED MET TOWER

PROPOSED ADLS TOWER

EXISTING COUNTY ROAD

PROPOSED GRAVEL ACCESS DRIVE
(PERMANENT FOR PLANT OPERATIONS)

PROPOSED WTG (WIND TURBINE GENERATOR)

MAX BLADE TIP HEIGHT: 200.0 M (656 FT) (VESTAS V162)
196.5 M (644 FT) (NORDEX N169)
195.5 M (655 FT) (VESTAS V163)

30-HOUR SHADOW FLICKER (NORDEX N169)

30-HOUR SHADOW FLICKER (VESTAS V162)

30-HOUR SHADOW FLICKER (VESTAS V163)

55 DBA SOUND CONTOUR (NORDEX N169)

55 DBA SOUND CONTOUR (VESTAS V162
7.2 MW - SEE NOTE)

55 DBA SOUND CONTOUR (VESTAS V163)

Diagram illustrating setbacks for a circular lot. The lot is represented by a dashed circle. A central circular area is divided into three equal sectors by lines meeting at the center. Two concentric dashed circles represent setback lines. Callouts indicate the following setbacks:

- 1377' V162 (2.1x MAX BLADE TIP HEIGHT)
- V163 - SEE NOTE
- 1353' N169 (2.1x MAX BLADE TIP HEIGHT)

SETBACKS FOR:

- OCCUPIED COMMUNITY BUILDINGS AND RESIDENCES ON NONPARTICIPATING PROPERTIES

722' V162 (1.1x MAX BLADE TIP HEIGHT)

V163 - SEE NOTE

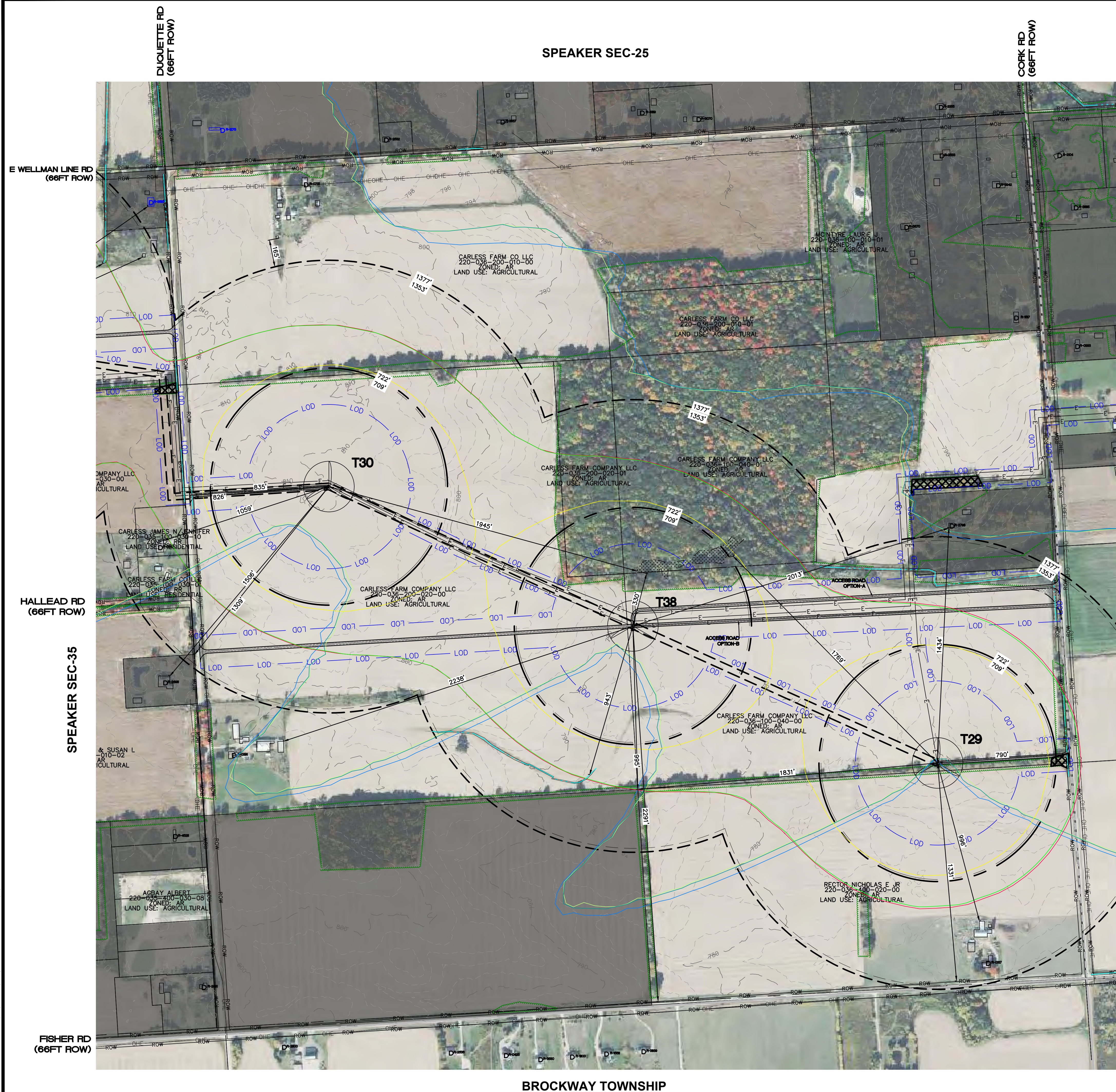
709' N169 (1.1x MAX BLADE TIP HEIGHT)

SETBACK FOR:

- RESIDENCES AND OTHER STRUCTURE ON PARTICIPATING PROPERTIES
- NONPARTICIPATING PROPERTY LINES
- PUBLIC ROAD RIGHT-OF-WAY
- OVERHEAD COMMUNICATION AND ELECTRIC TRANSMISSION, NOT INCLUDING UTILITY SERVICE LINES TO INDIVIDUAL HOUSES OR OUTBUILDINGS

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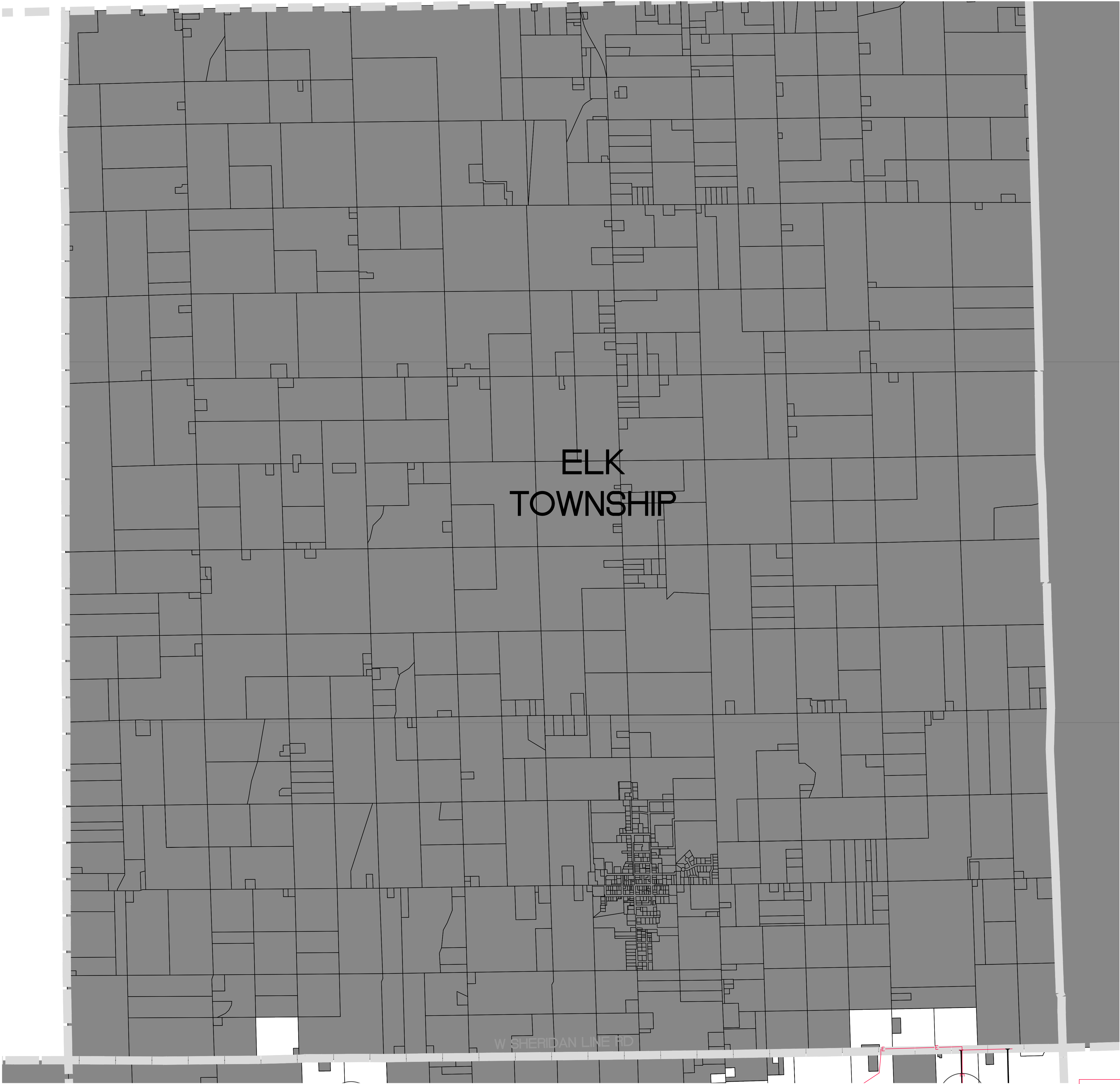
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BROCKWAY TOWNSHIP

S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\WP5C\21003645-WP5C-05-SPE-INDV.DWG 4/23/2026 1:45 PM BENJAMIN SANFORD

S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-08-ELK-01.dwg 1/23/2025 1:46 PM BENJAMIN SANCORIO



LEGEND

- TOWNSHIP BOUNDARY LIMITS
- COUNTY DRAIN
- EXISTING ELECTRIC TRANSMISSION
- PROP. TURBINE LOCATION
TURBINE #
- NON-PARTICIPATING PARCEL
- PROPOSED COLLECTION LINE ROUTE
(TO BE BURIED NO LESS THAN 4FT)
- PROPOSED CRANEWALK
- PROPOSED ACCESS ROAD GRAVEL
- PROPOSED MET TOWER
- PROPOSED ADLS TOWER
- PROPOSED HAUL ROUTE
- ALTERNATE HAUL ROUTE
- PROPOSED INTERSECTION IMPROVEMENT

NOTE: O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN. ADDITIONALLY, THESE FACILITIES WILL BE FENCED IN AND SECURED.

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



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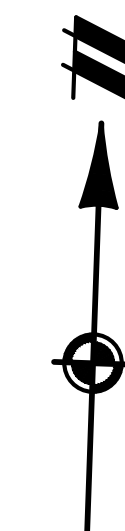


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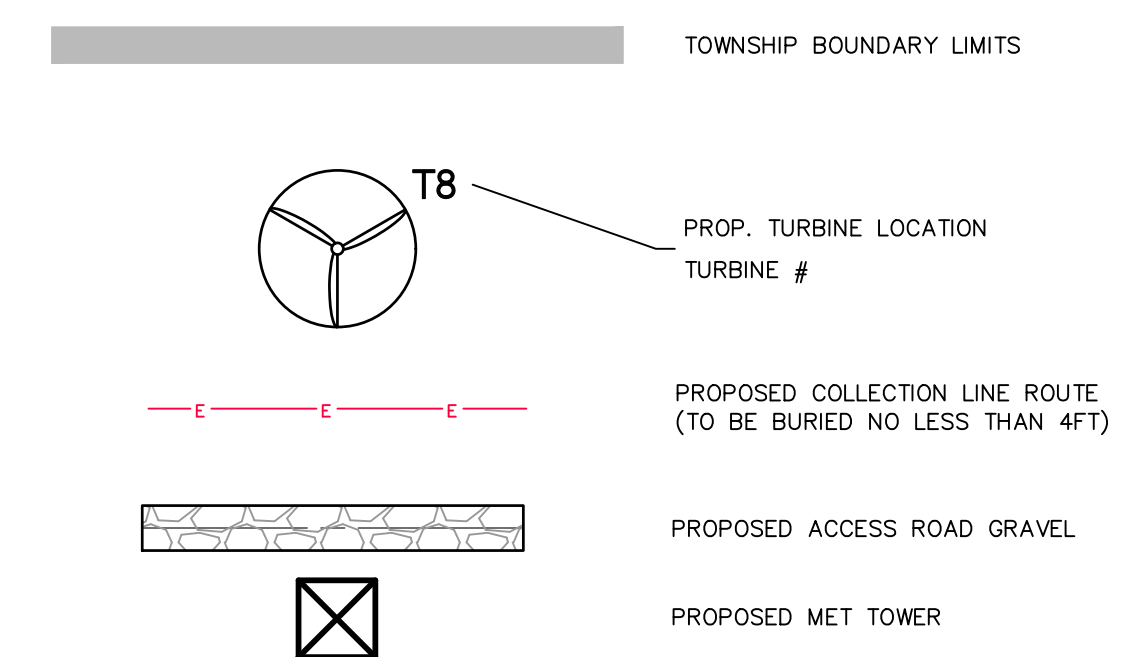
SECTIONS:	VARIOUS
TOWN 10 NORTH, RANGE 14 EAST	ELK TOWNSHIP
SANILAC COUNTY, MICHIGAN	

CLIENT	MI ENERGY DEVELOPMENTS, LLC RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
ELK TOWNSHIP OVERALL PLAN	

REVISIONS	
SCALE	0 150 300
1" = 300 FEET	
DR. MB/GS	CH. BS
P.M. BS	
BOOK	--
JOB	21003645
SHEET NO. 60	



LEGEND



ZONING MAP
NOT TO SCALE

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

SPEAKER, FREMONT,
AND ELK TOWNSHIPS
SANILAC COUNTY, MICHIGAN

MI ENERGY DEVELOPMENTS, LLC
VERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A – PROJECT LAYOUT
ELK TOWNSHIP ZONING MAP

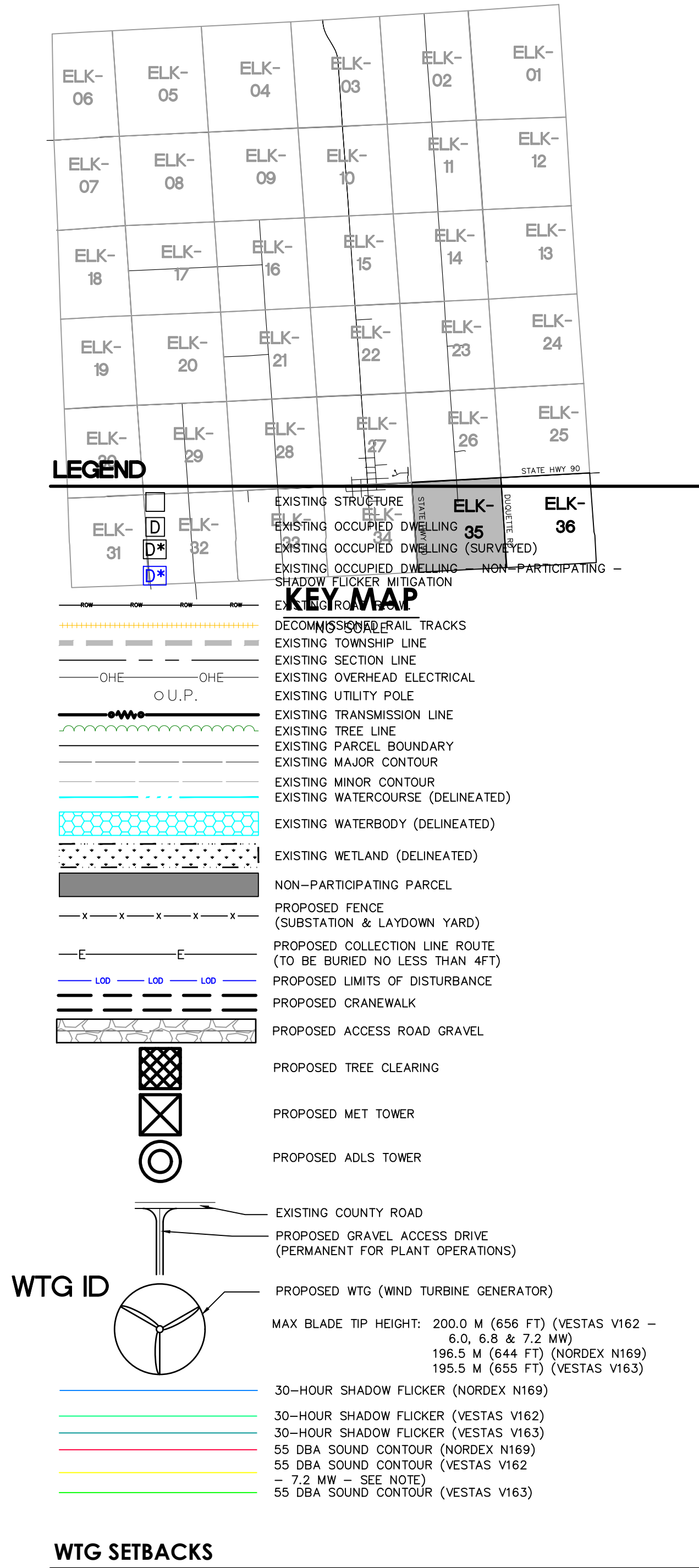
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DATE	04/02/2026

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DR. MB/GS	CH. BS
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JOB	21003645
<u>SHEET NO.</u>	
61	



ELK SEC-36



- NOTES:
- ELECTRICAL COLLECTION LINES AND ACCESS ROADS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE PER FINAL DESIGN AND LANDOWNER FEEDBACK.
 - ONLY ONE ACCESS ROAD WILL BE CONSTRUCTED AT EACH TURBINE.
 - O&M FACILITY, SUBSTATION, SWITCHING STATION & LAYDOWN YARDS ARE REPRESENTATIVE LOCATIONS. DIMENSIONS AND LAYOUT WILL BE DETERMINED DURING FINAL DESIGN.
 - FOR VESTAS V162, SOUND CONTOURS ARE SHOWN FOR THE WORST CASE SCENARIO (7.2 MW). THE CONTOURS FOR THE OTHER SCENARIOS ARE WITHIN THE LIMITS OF THE DISPLAYED CONTOUR.
 - THE PROJECT LAYOUT IS USING THE SAME SETBACKS FOR THE V163 AS THE V162 (SHOWN). IF THE V163 IS SELECTED, THE SETBACKS WOULD DECREASE FROM 1377' AND 722' TO 1375' AND 720' RESPECTIVELY.
 - DIMENSIONS ORIGINATING FROM THE CENTER OF EACH TURBINE TO THE NEAREST POINT ON FEATURES REPRESENT THE NEAREST INSTANCE OF EACH OF THE FOLLOWING FEATURES: (1) STRUCTURE ON A PARTICIPATING PROPERTY, (2) ROAD ROW, (3) WATERWAY, (4) WETLAND, (5) OCCUPIED BUILDING OR STRUCTURE ON A NON-PARTICIPATING PROPERTY, (6) NON-PARTICIPATING PROPERTY LINE. ALL OTHER INSTANCES OF THOSE FEATURES PRESENT ARE FURTHER FROM EACH TURBINE THAN THE INSTANCES DIMENSIONED. THE LOCATION OF ANY OTHER NOISE-EMITTING FACILITIES (E.G. STEP-UP TRANSFORMERS) ARE LOCATED WITHIN THE TURBINE TOWER AT THE CENTER POINT OF THE TURBINE OR ARE CLOSE ENOUGH TO THE CENTER POINT THAT THE DIFFERENCE IS IMMATERIAL.

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

Know what's below.
Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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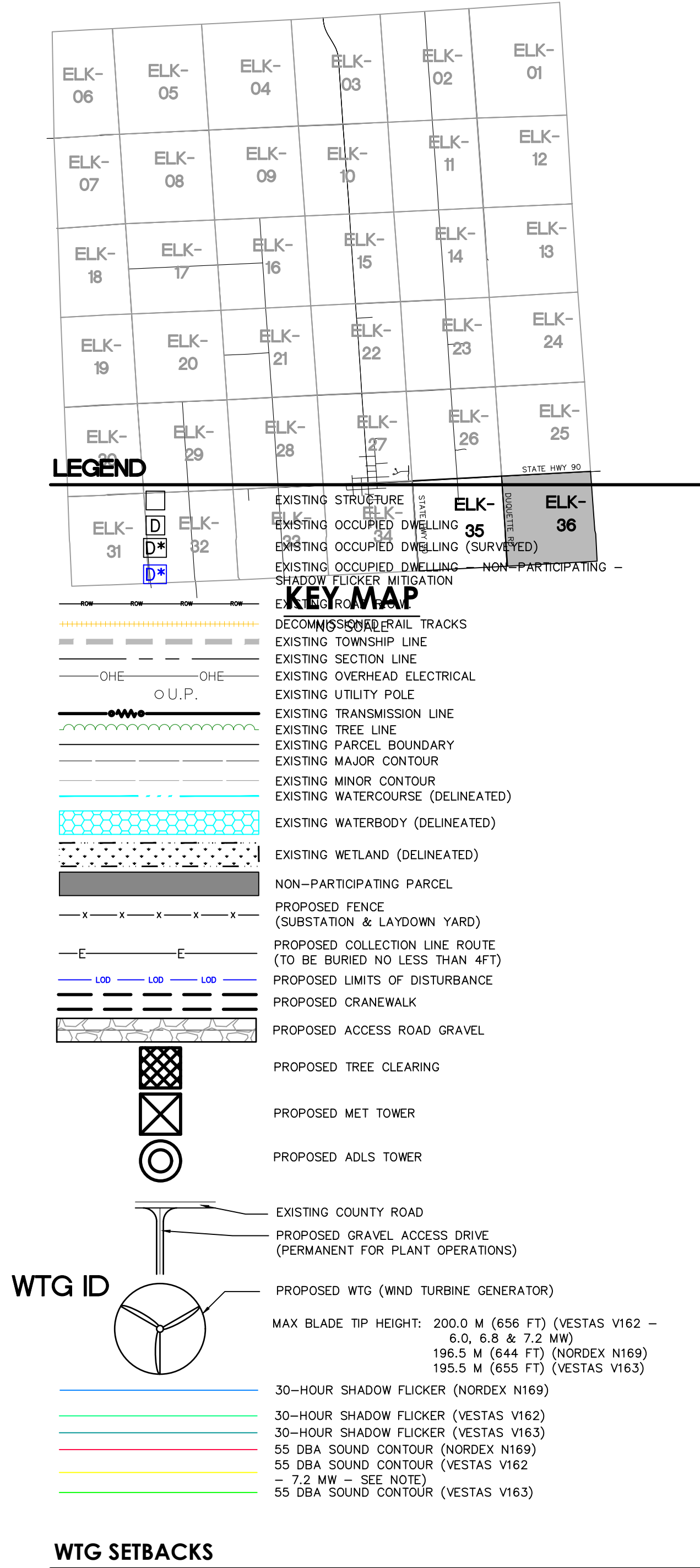
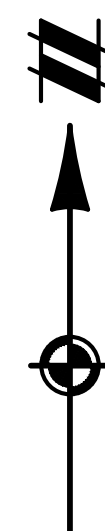
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SECTIONS: VARIOUS	TOWN 10 NORTH, RANGE 14 EAST	ELK TOWNSHIP	SANILAC COUNTY, MICHIGAN
CLIENT: MI ENERGY DEVELOPMENTS, LLC	RIVERBEND WIND ENERGY FACILITY	APPENDIX 1.1-A - PROJECT LAYOUT	ELK TOWNSHIP-SECTION 35
DATE: 12/29/2025			
REVISIONS			
SCALE: 0 150 300	1" = 300 FEET		
DR. MB/GS	CH. BS	P.M. BS	
BOOK: --	JOB: 21003645		
SHEET NO. 62			

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND - MISC PROJECTS\DWG\PLAN SETS\MPSC\21003645-MPSC-07-ELK-INDWG



BUEL TOWNSHIP



- NOTES:
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CLIENT	SECTIONS: VARIOUS
	TOWN 10 NORTH, RANGE 14 EAST
	ELK TOWNSHIP
PROJECT	M ENERGY DEVELOPMENTS, LLC
	RIVERBEND WIND ENERGY FACILITY APPENDIX 1.1-A - PROJECT LAYOUT
DATE	12/29/2025
REVISIONS	
SCALE	0 150 300 1" = 300 FEET
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P.M. BS	
BOOK	--
JOB	21003645
SHEET NO.	63

CAD FILE: S:\21003645 - LIBERTY POWER RIVERBEND WIND PROJECT\DWG\PLAN SETS\MPSC\21003645-MPSC-07-ELK-MB



Know what's below.

Call before you dig.

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS INJURED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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SPEAKER, FREMONT
AND ELK TOWNSHIPS
SANILAC COUNTY, MICHIGAN

MI ENERGY DEVELOPMENTS, LLC
RIVERBEND WIND ENERGY FACILITY
APPENDIX 1.1-A - PROJECT LAYOUT
STANDARD DETAILS

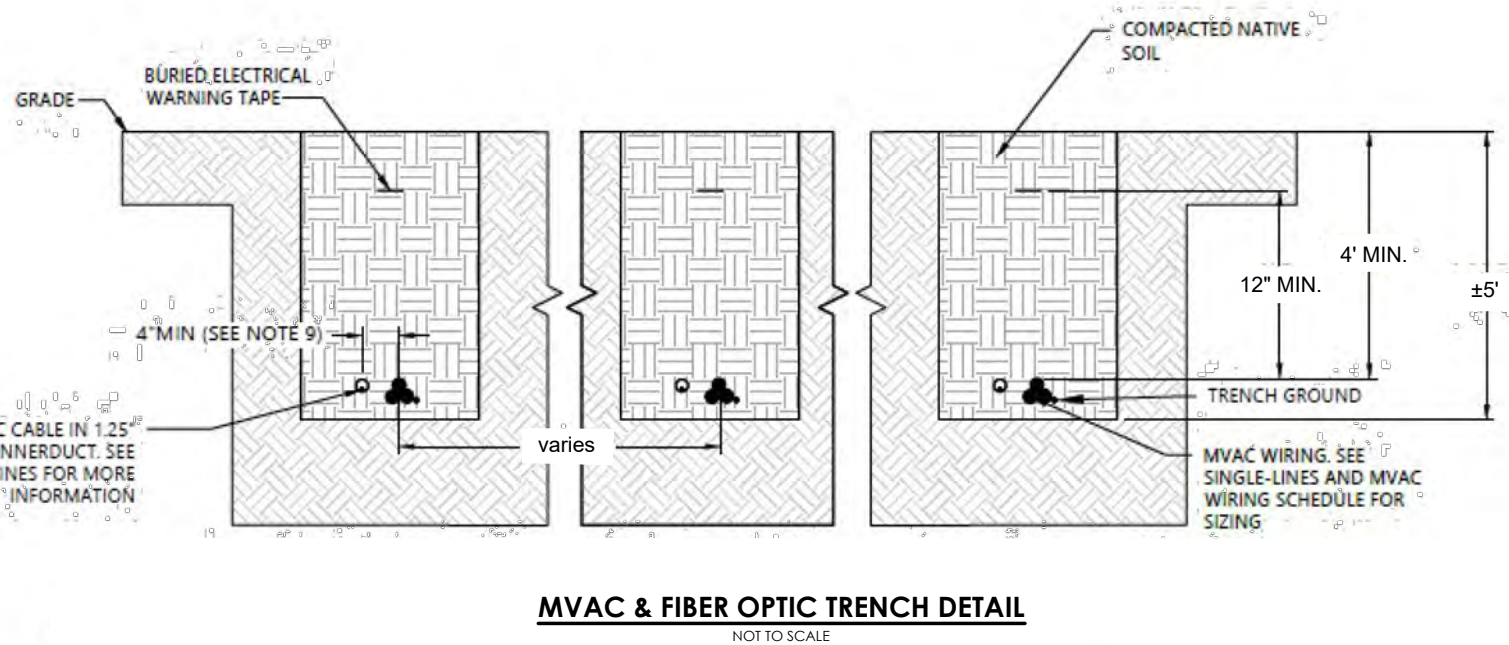
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DATE 04/02/2026

REVISIONS

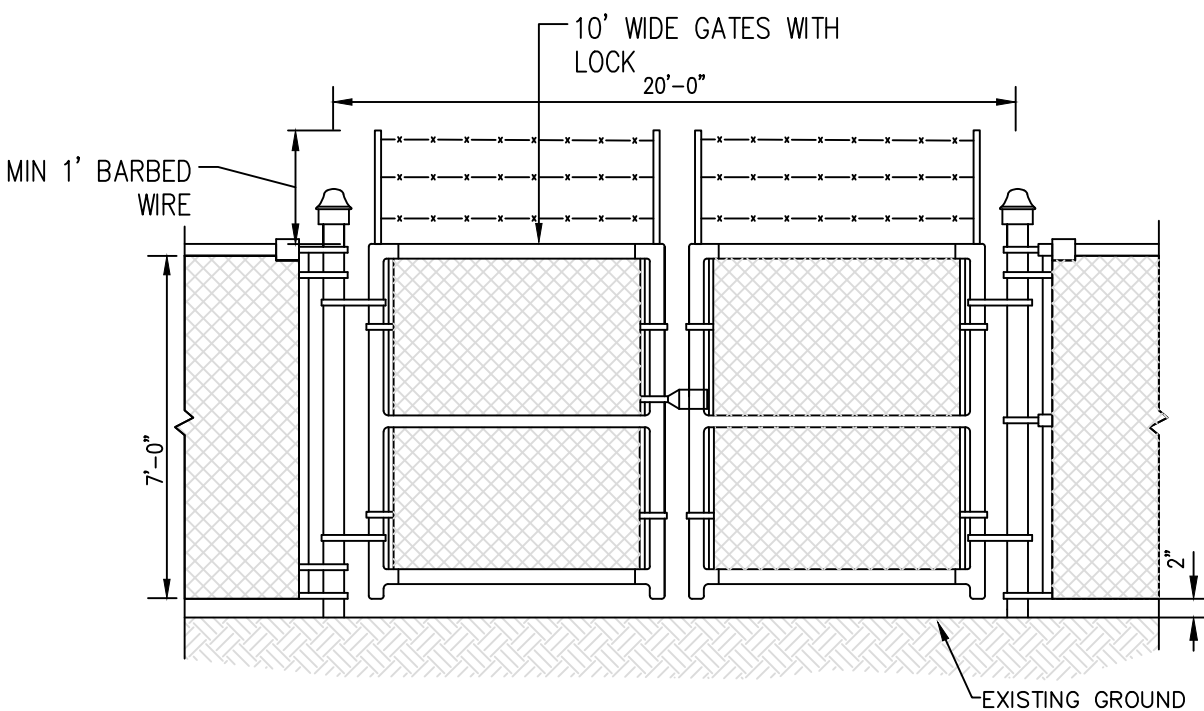
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BOOK --
JOB 21003645
SHEET NO. 64

CONSTRUCTION NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL MICHIGAN ONE-CALL (811) AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONSTRUCTION ACTIVITIES SHALL NOT BLOCK NATURAL OR MANMADE DRAINAGE SWALES CAUSING RAINWATER TO POND.
- THE CONTRACTOR SHALL INSTALL DRIVE CULVERTS AS NECESSARY TO INSURE POSITIVE DRAINAGE AROUND THE PROPOSED ACCESS ROADS.
- EXISTING CULVERTS AND DRAIN TILES SHALL BE EXTENDED, REROUTED, OR DIRECTLY CONNECTED TO PROPOSED ACCESS ROAD CULVERTS AS NECESSARY TO ENSURE POSITIVE DRAINAGE. AN ANIMAL GRATE SHALL BE PROVIDED AT THE OUTLET OF EVERY MODIFIED DRAIN TILE.
- IT WILL BE THE CONTRACTORS RESPONSIBILITY TO BE FAMILIAR WITH THE POSTED WEIGHT LIMITATIONS ON PUBLIC ROADS AND BRIDGES WITHIN THE PROJECT AREA. IT WILL ALSO BE THE CONTRACTORS RESPONSIBILITY TO SECURE THE NECESSARY PERMITS FROM THE TOWNSHIPS, COUNTY, OR STATE AGENCIES BEFORE UTILIZING THESE PUBLIC ROADS AND BRIDGES FOR HAULING.
- EXISTING FEATURES REMOVED AS A RESULT OF CONSTRUCTION ACTIVITIES (MAILBOXES, FENCES, ETC.) SHALL BE REPLACED BY THE CONTRACTOR IN A CONDITION AS GOOD AS EXISTING.
- CONTRACTOR TO CONTACT THE SANILAC COUNTY ROAD COMMISSION FOR ALL NECESSARY SIGN REMOVALS/RELOCATIONS.
- SOIL EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE SOIL EROSION CONTROL PLAN SHALL BE IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE USEPA "STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES". THE EXISTING SITE SLOPES ARE INSIGNIFICANT, PRODUCING VERY LITTLE SURFACE RUN-OFF WHICH FLOWS TO EXISTING FARM LAND. CONTRACTOR TO DISTURB AS LITTLE AS POSSIBLE DURING CONSTRUCTION. ALL STOCKPILES ARE TO BE TAPERED FOR FARMLAND PLACEMENT. TOPSOIL SHOULD BE PLACED ADJACENT TO FARM FIELD TO BE TILLED AND USED AS FARMLAND.
- EACH WIND TURBINE SHALL HAVE ONE SIGN NOT TO EXCEED TWO SQUARE FEET POSTED AT THE BASE OF THE TOWER, OR IF THE STRUCTURE IS FENCED, ON THE FENCE. THE SIGN SHALL INCLUDE THE WORDS "WARNING: HIGH VOLTAGE" AND EMERGENCY PHONE NUMBERS.
- ALL DISTURBED BANKS WITHIN COUNTY DRAINS DUE TO CULVERT INSTALLATION MUST BE STABILIZED PER MDOT AND COUNTY ROAD/DRAIN COMMISSION SPECIFICATIONS.
- THE DESIGN AND INSTALLATION OF ALL UNDERGROUND ELECTRIC CABLES SHALL MEET ALL NATIONAL, STATE AND LOCAL ELECTRICAL SAFETY CODES.
- REFER TO ELECTRICAL PLANS BY OTHERS FOR SPECIFICATIONS ON ELECTRIC CABLES, CROSS BOXES, JUNCTION CABINETS, ETC. ELECTRIC CABLES AND ASSOCIATED STRUCTURES SHOWN IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND REPRESENT APPROXIMATE CABLE PLACEMENT LOCATIONS.



MVAC & FIBER OPTIC TRENCH DETAIL



SUBSTATION & LAYDOWN YARD SECURITY FENCE DETAIL

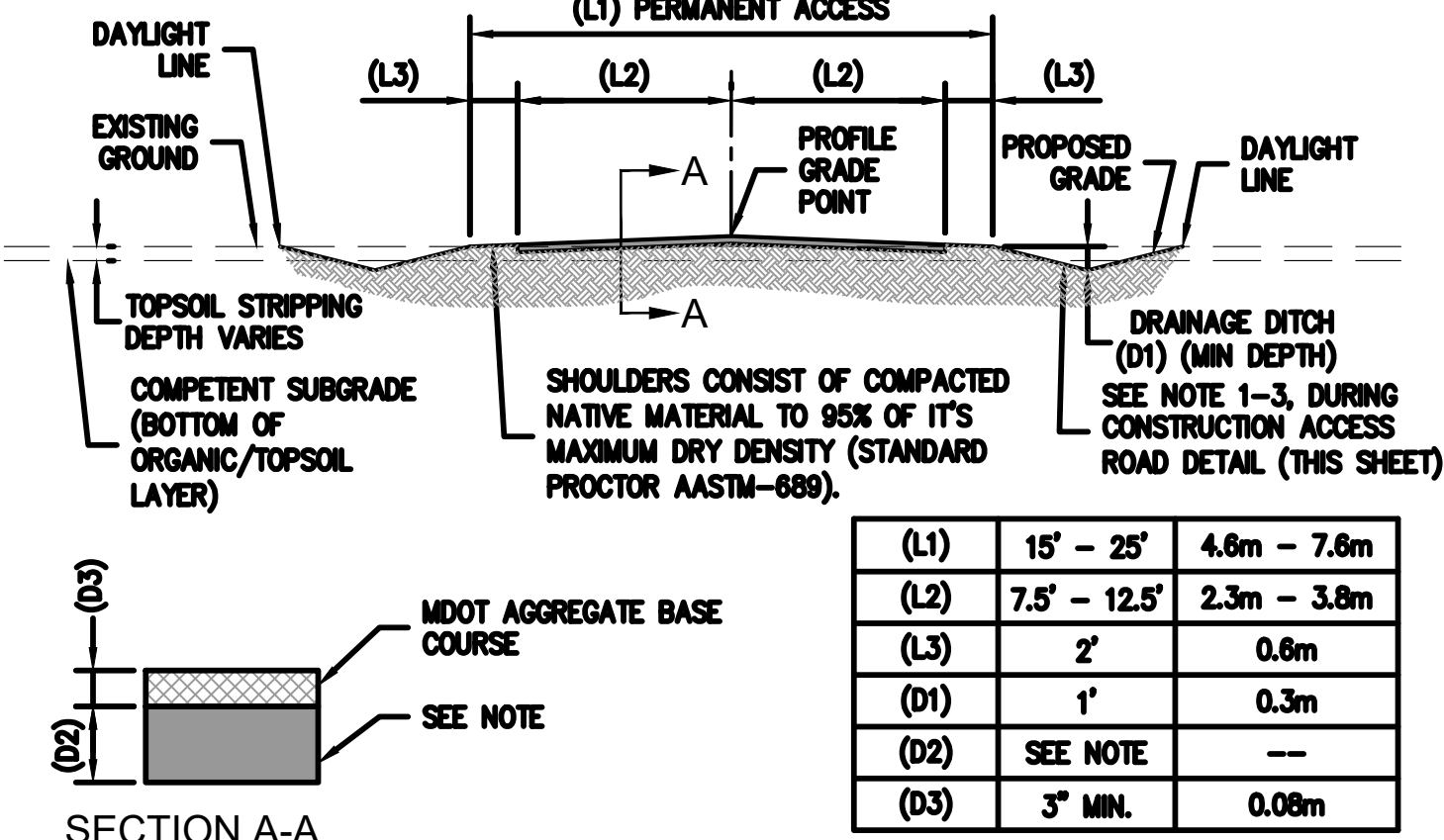
NO SCALE

SUBSTATION FENCE NOTES:

- FENCE INSTALLATION AND MATERIALS SHALL BE PER CURRENT MDOT SPECIFICATIONS AND STANDARD PLAN R-98-B "CHAIN LINK FENCE (USING TENSION WIRE)", EXCEPT AS MODIFIED / CLARIFIED BY THE NOTES BELOW.
- CORNER, END AND PULL POSTS SHALL HAVE CONCRETE FOOTINGS (COMPRESSIVE STRENGTH 2,500 PSI MIN.), 18" DIAMETER AND 36" MIN. DEPTH.
- TYPICAL LINE POSTS MAY BE DIRECT-DRIVEN PER FENCE CONTRACTOR RECOMMENDATION (MINIMUM EMBEDMENT DEPTH T.B.D.), OR HAVE CONCRETE FOOTINGS (9" DIA., 36" MIN. DEPTH).
- SLOPE TOP OF CONCRETE FENCE FOOTINGS TO SHED WATER AWAY FROM POST.
- LINE POSTS SHALL BE CIRCULAR PIPE SECTION, 2" NOMINAL (2.375" ACTUAL) O.D.
- SUBSTATION FENCING WILL INCLUDE GROUNDING OF FENCE AND SUPPORT STRUCTURES IN ACCORDANCE WITH NATIONAL ELECTRIC CODE REQUIREMENTS. SEE TYPICAL SUBSTATION GROUNDING SCHEMATIC PROVIDED ABOVE.

ROAD CONSTRUCTION TYPICAL WORKFLOW A.

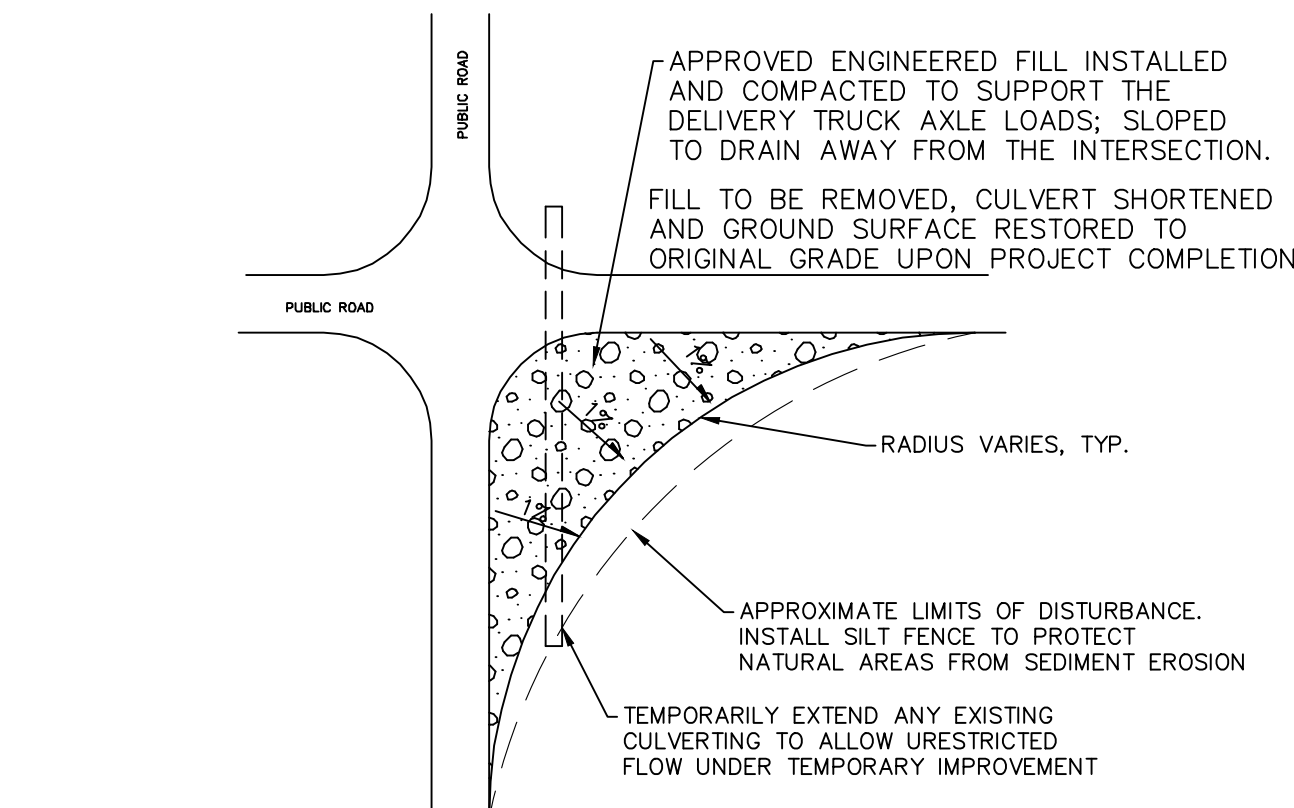
- STAKE CENTERLINE AND CLEARING LIMITS.
- REMOVE AND STOCKPILE EXISTING VEGETATION AND TOPSOIL.
- FORM UNIFORM SUBGRADE FOR WIDTH OF ROAD, SHOULDERS AND SWALES. (MAY REQUIRE MILLING, HAMMERSING OR RIPPING. REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION RECOMMENDATIONS.)
- SUBGRADE SHALL BE CROWNED 1% - 2% CROSS SLOPE (MAX 2%). MIX CEMENT AND COMPACT SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- PROOF ROLL SUBGRADE TO SPECIFIED COMPACTION OR PROOF ROLL CRITERIA.
- PLACE AND COMPACT AGGREGATE BASE.
- CLEAR AND STOCKPILE VEGETATION AND TOPSOIL IN THE IMPROVEMENT AREAS.
- FORM UNIFORM SUBGRADE FOR WIDTH OF ROAD AND SHOULDERS FOLLOWING MINIMUM CRITERIA IN THE DETAIL.
- COMPACT AND PROOF ROLL THE PREPARED ROAD BED.
- USE AGGREGATE BASE AS REQUIRED TO FILL POTHOLES, DIPS, OR UNEVEN AREAS IN THE ROAD AND SHOULDER LANES.
- PLACE AND COMPACT AGGREGATE BASE TO MINIMUM DEPTH.
- PLACE AND COMPACT ADDITIONAL AGGREGATE BASE IF FIELD CONDITIONS REQUIRE TO MEET SPECIFICATIONS



ACCESS ROAD WITHOUT CRANE WALK

NOT TO SCALE

NOTE: SOIL STABILIZATION SPECIFICATIONS TO BE DETERMINED BY GEO-TECHNICAL ENGINEER.

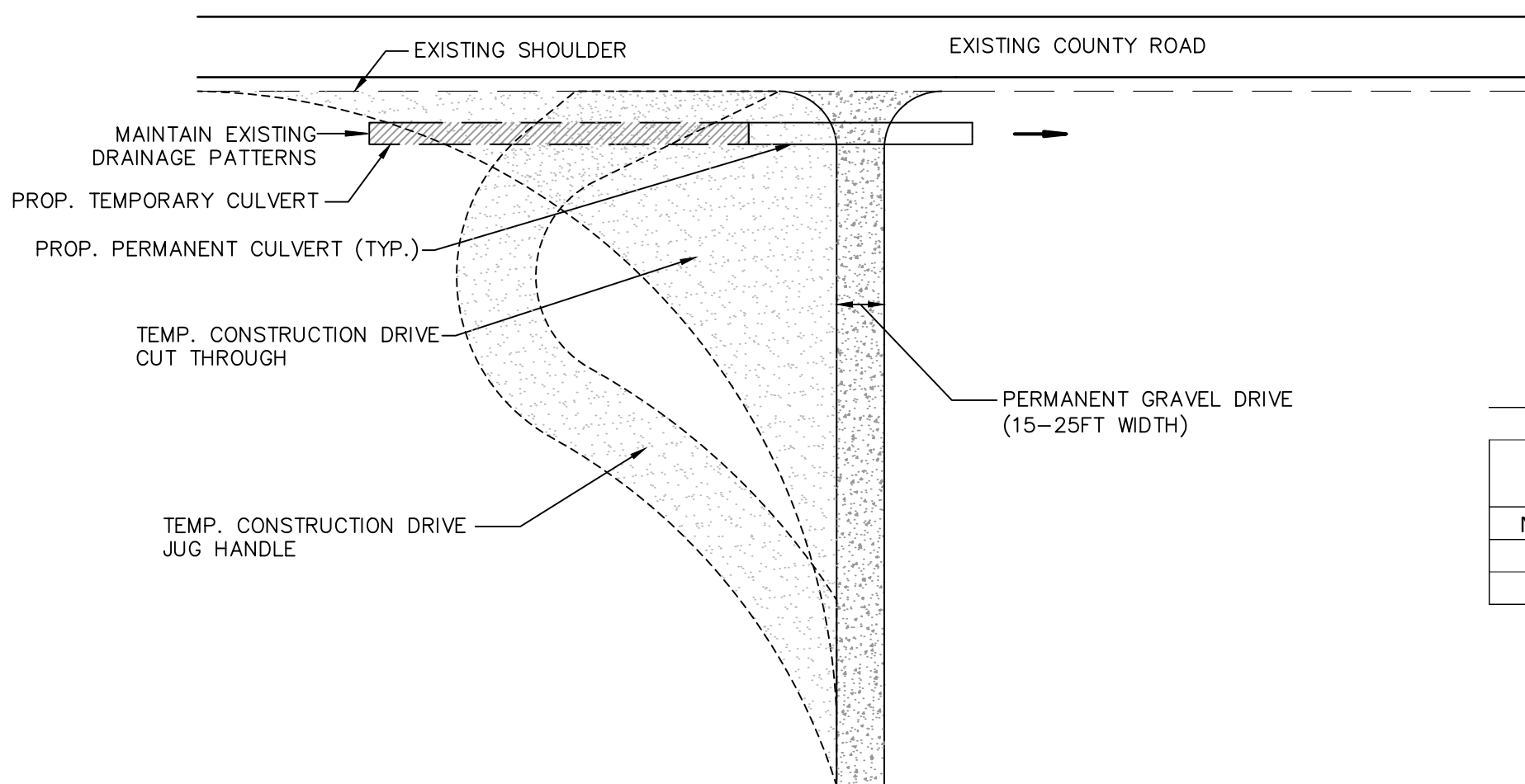


TYPICAL PUBLIC ROAD INTERSECTION IMPROVEMENT

NOT TO SCALE

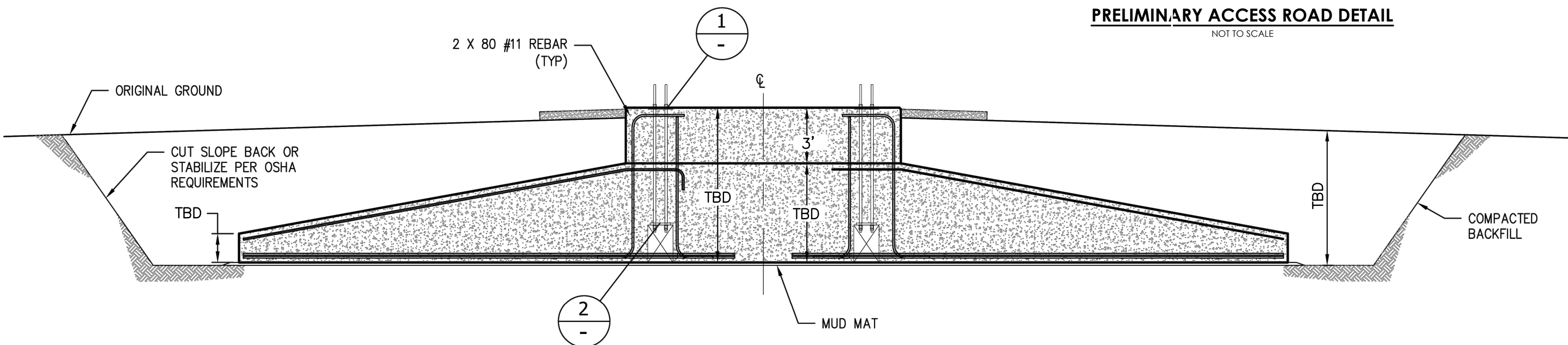
NOTES:

- IMPROVEMENT TO BE CONSTRUCTED IN COMPLIANCE WITH ANY INTERSECTION SPECIFIC DOT PERMIT REQUIREMENTS.
- ANY SIGNAGE RELOCATION TO BE DONE IN COMPLIANCE WITH ANY SPECIFIC DOT AND COUNTY ENGINEER REQUIREMENTS.
- ANY UTILITY REMOVAL, RELOCATION OR BURIAL SHALL BE COORDINATED WITH THE LOCAL UTILITY COMPANY.



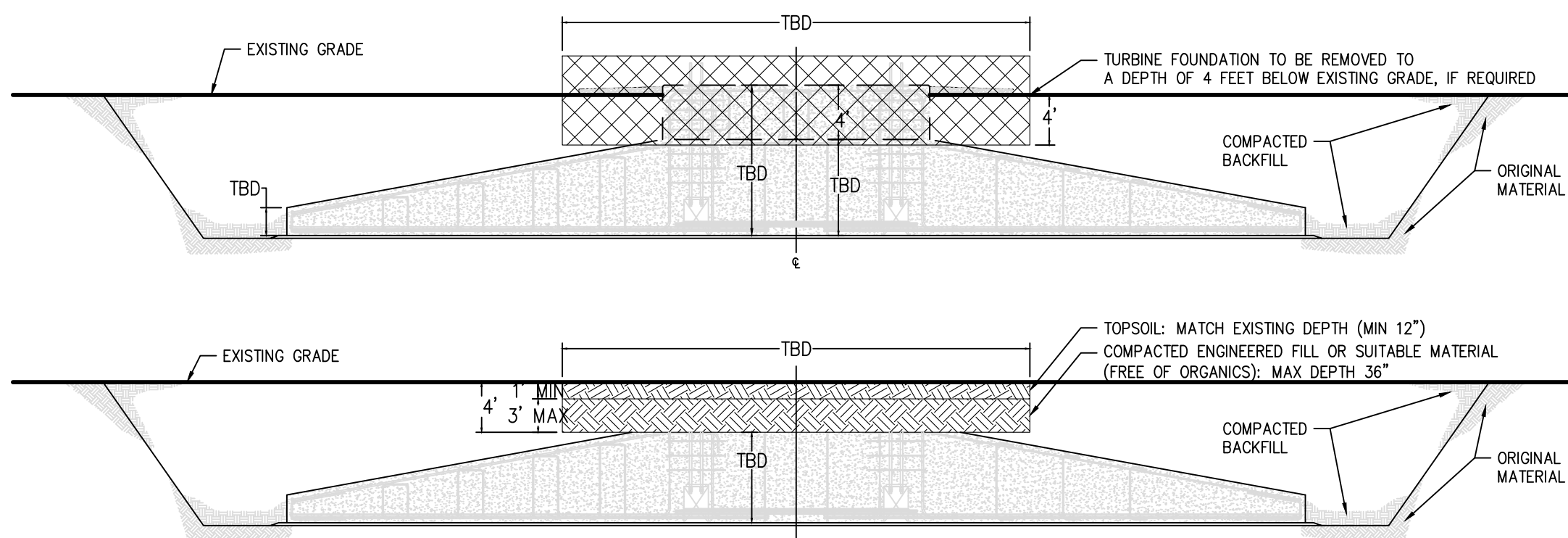
PRELIMINARY ACCESS ROAD DETAIL

NOT TO SCALE



SECTION: SAMPLE FOUNDATION SECTION AND TYPICAL GRADING

NOTE: ONLY PRIMARY REINFORCEMENT IS SHOWN

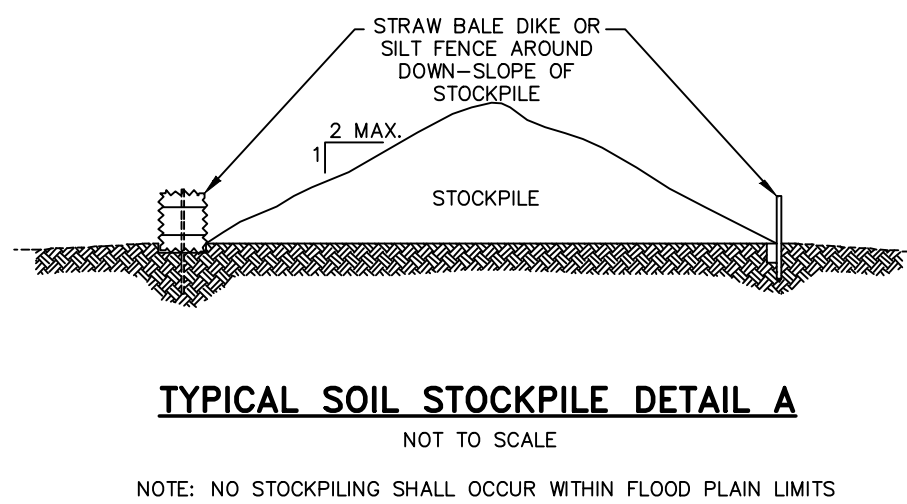


FOUNDATION RESTORATION DETAIL

NOT TO SCALE

FOR ILLUSTRATION ONLY - SUBJECT TO CHANGE -
NOT FOR CONSTRUCTION

1. CONTRACTOR SHALL IMPMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE PLANS, ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
2. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
3. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
4. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
5. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
6. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
7. ALL DENuded AREAS SHALL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
8. ALL MUD/DIRT/MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO PUBLIC ROADWAYS OR INTO WATER COURSES SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
9. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATION SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
13. ALL STOCKPILED SOILS SHALL BE MAINTAINED IN SUCH A WAY AS TO PREVENT EROSION FROM THE WORK AREA.
14. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
15. EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE DITCHES, CREEKS, RIVERS, DRAINAGE DRAINS, LAKES AND POND.
16. CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURE WHEN REQUIRED. HE SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, STOCKPILES AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED.
17. LOW GROUND PRESSURE EQUIPMENT SHALL BE USED TO MINIMIZE LAND DISTURBANCE BETWEEN STRUCTURES.
18. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE SAN JUAN COUNTY DRAINAGE COMMISSION.
19. ALL GRADING TO BE PERFORMED AS NOT TO OBSTRUCT UPSTREAM DRAINAGE.
20. SITES WILL BE INSPECTED WEEKLY-- ANY AREAS OF OFF-SITE EROSION WILL BE CORRECTED WITHIN 2 BUSINESS DAYS.



AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A STREAM AND NOT AT FINAL GRADE	IMMEDIATELY FOLLOWING (2 DAYS MAX) THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A STREAM	DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY IS SCHEDULED TO BE INACTIVE FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED OR STABILIZED IN ANOTHER APPROPRIATE WAY AS SOON AS POSSIBLE.
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER (NOVEMBER 1)

PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN FIVE (5) CALENDAR DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A STREAM AND AT FINAL GRADE	WITHIN 2 CALENDAR DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN FIVE (5) CALENDAR DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

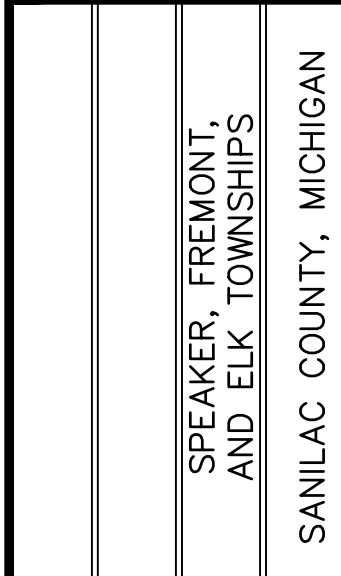
OPTION 1. NATIVE DECIDUOUS TREES AT 20' ON CENTER. NATIVE EVERGREEN TREES AT 15' ON CENTER.

OPTION 2. NATIVE SHRUBS NOT TO EXCEED 6' ON CENTER

OPTION 3. NATIVE DECIDUOUS TREES AT 20' ON CENTER. NATIVE EVERGREEN TREES AT 15' ON CENTER. NATIVE SHRUBS NOT TO EXCEED 6' ON CENTER.

1. TREE AND SHRUB PLANTING HEIGHTS TO BE DETERMINED AND INCLUDED ON FINAL SITE PLAN PRIOR TO CONSTRUCTION.
2. EXACT SPECIES OF TREES AND SHRUBS INSTALLED WILL BE DETERMINED BASED ON COORDINATION WITH A LANDSCAPING COMPANY OF RIVERBEND WIND'S SOLE DISCRETION AND SUBJECT TO AVAILABILITY AT THE TIME OF PROCUREMENT/PLANTING.

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION



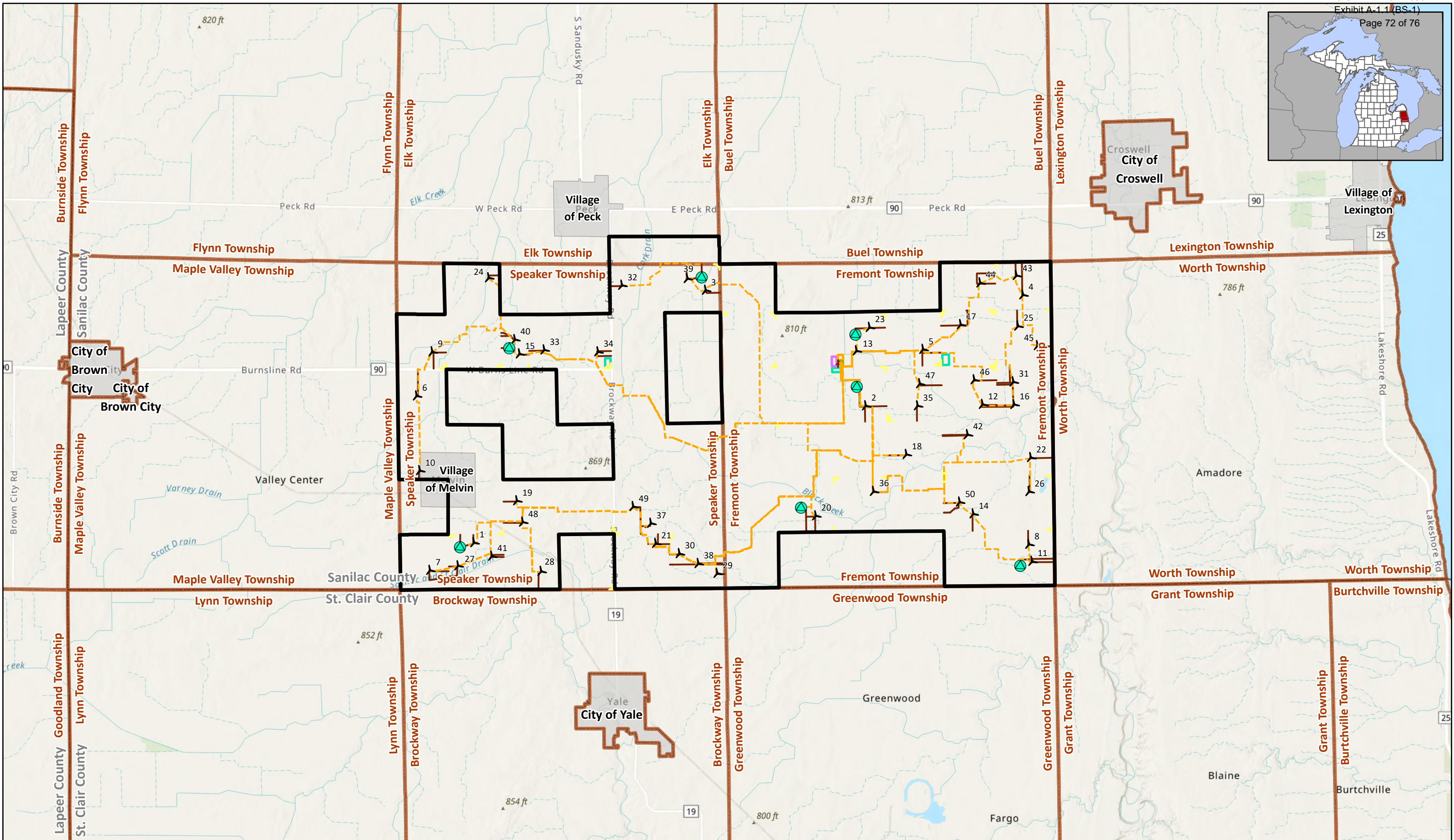
MI ENERGY DEVELOPMENTS, LLC
 RIVERBEND WIND ENERGY FACILITY
 APPENDIX 1.1-A – PROJECT LAYOUT
 STANDARD DETAILS

DATE 04/02/2026

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REVISIONS	
SCALE	0 
DR. MB/GS	CH. BS
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JOB	21003645
SHEET NO.	
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Appendix 1.1-B: FIGURES





MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
January 07, 2026
Preliminary

04,0008,000

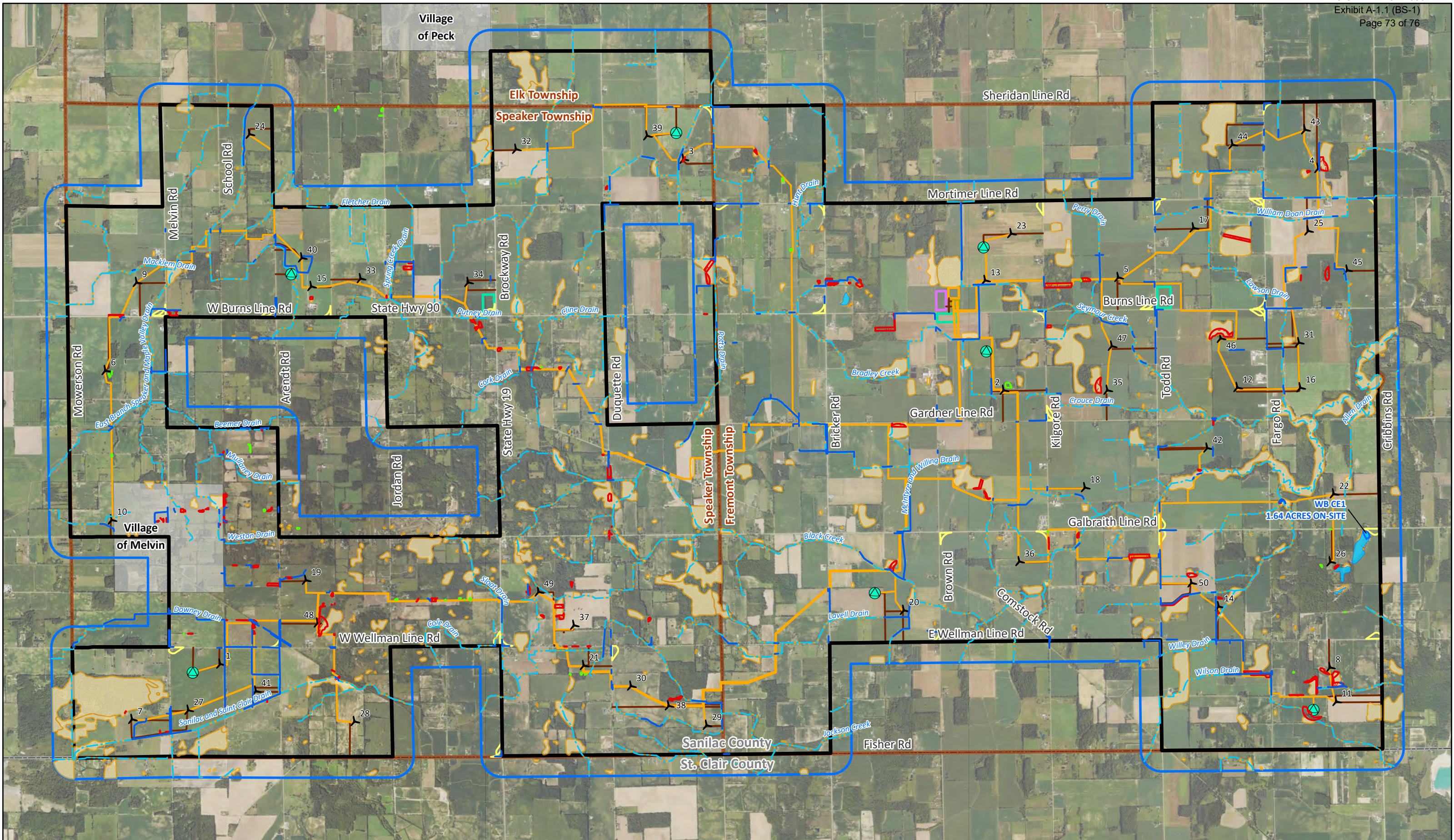
Feet



 Project Area (~34,860 acres)	 Proposed MET	 Proposed Intersection Improvements	 Proposed Substation
 Town/Village	 Proposed Turbine	 Proposed Laydown Yard	
 Township	 Proposed Collection Route	 Proposed O&M Facility	
 County	 Proposed Access Road	 Proposed Switching Station	

Figure 1A
Site Location Map (*Exhibits A-1.1 & 1.2*)
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan

Source: Esri Topographic Basemap



MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
August 01, 2025
Preliminary

0 4,000
Feet

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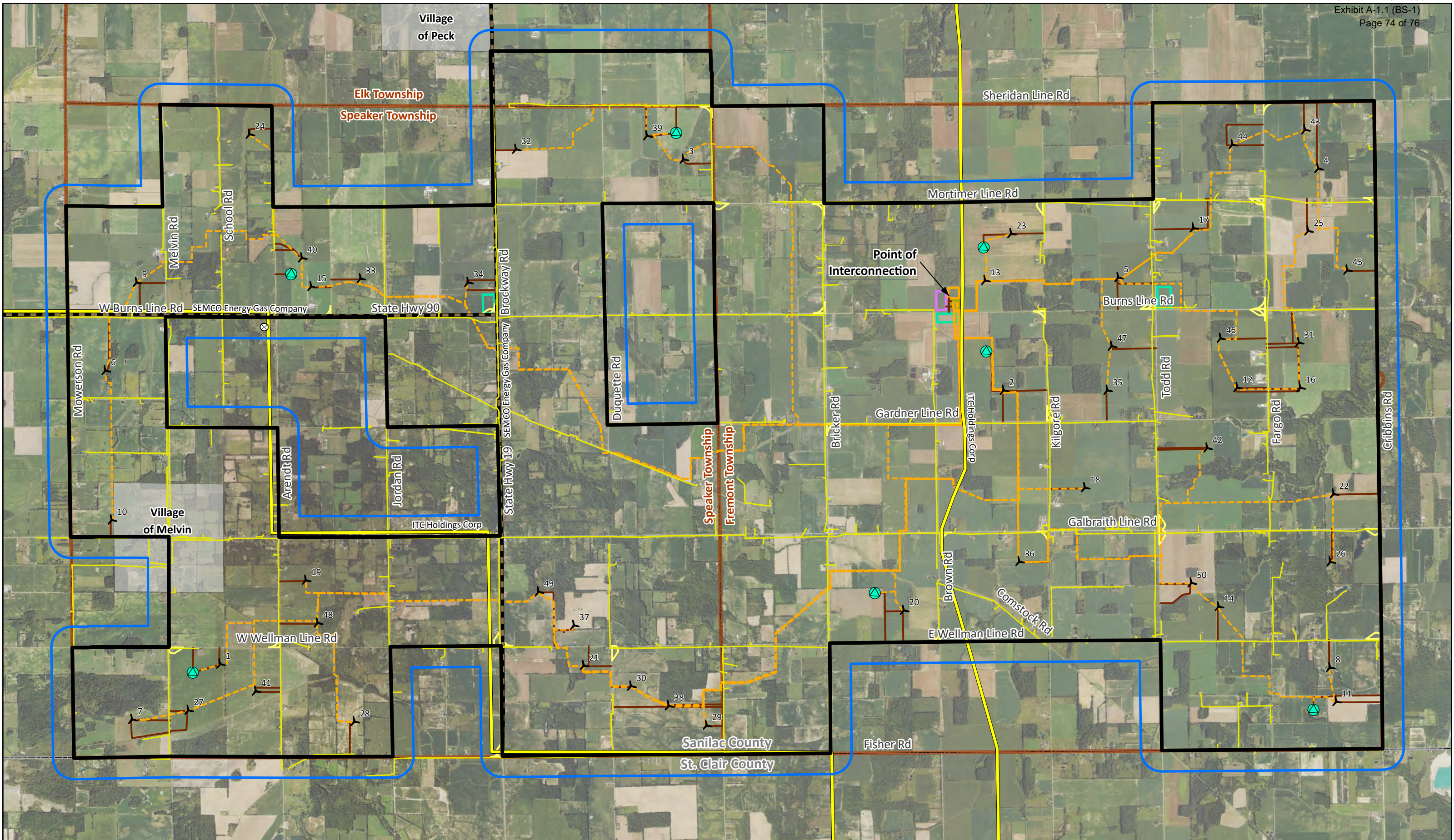
- Project Area (~34,860 acres)
- 1,000-foot Buffer
- Town/Village
- Township
- County

- Proposed MET
- Proposed Turbine
- Proposed Collection Route
- Proposed Access Road

- Proposed Intersection Improvements
- Proposed Laydown Yard
- Proposed O&M Facility
- Proposed Switching Station
- Proposed Substation

- Watercourse (Field Identified)
 - Waterbody (Field Identified)
 - Non-Regulated Wetland (Field Identified)
 - EGLE Regulated Wetland (Field Identified)
 - Watercourse (NHD)
 - Waterbody (NHD)
 - Wetland (NWI)
- Source: National Agriculture Imagery Program (2022)

Figure 2
Water Resources Map (Exhibits A-1.1 & 1.2)
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan





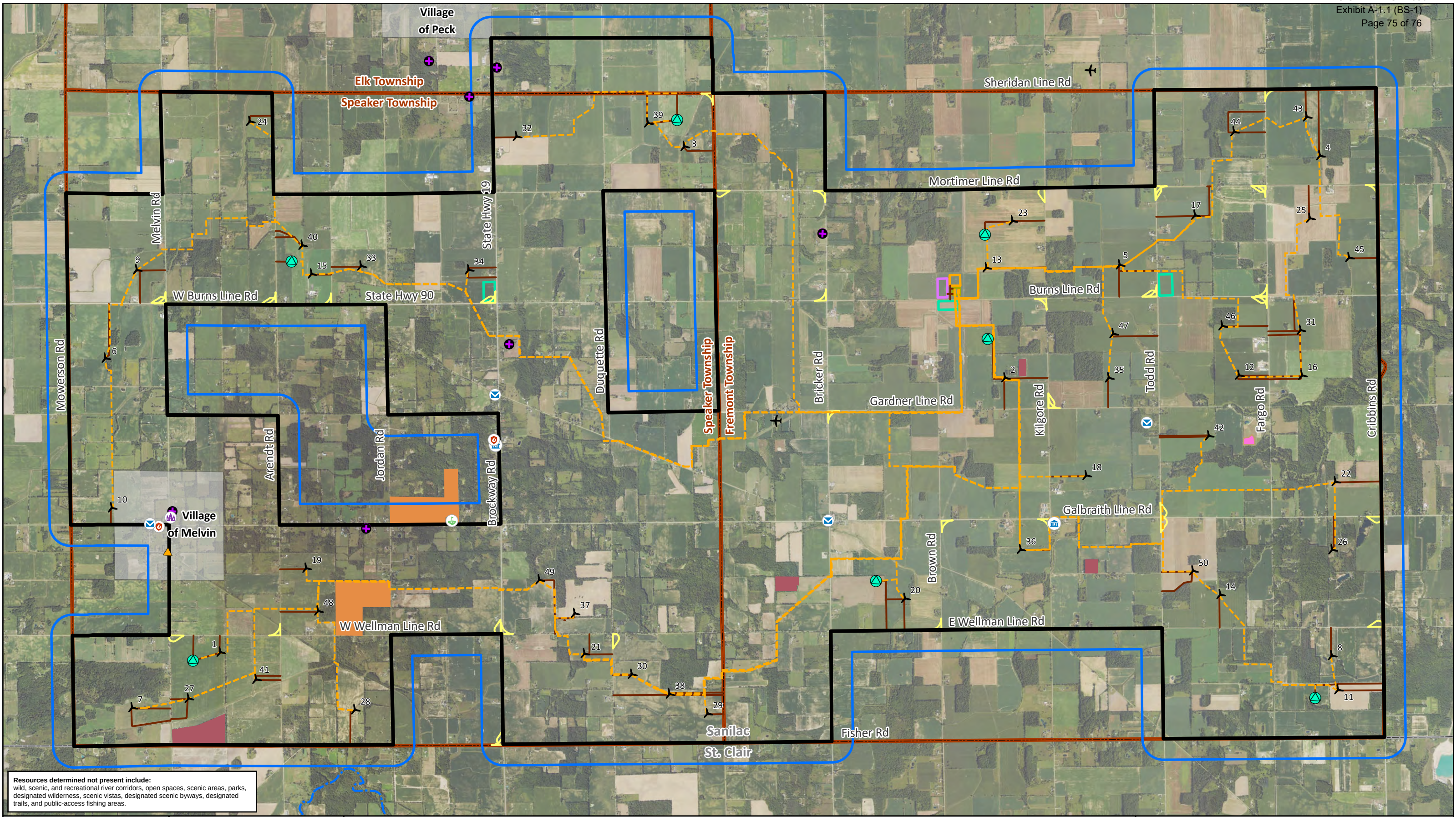
MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
January 09, 2026
Preliminary

Legend:

- Project Area (~34,860 acres)
- 1,000-foot Buffer
- Town/Village
- Township
- County
- Proposed MET
- Proposed Turbine
- Proposed Collection Route
- Proposed Access Road
- Proposed Intersection Improvements
- Proposed Laydown Yard
- Proposed O&M Facility
- Proposed Switching Station
- Proposed Substation
- Cellular Tower (HIFLD)
- Transmission (Velocity Suite)
- Overhead Utility
- Natural Gas Pipeline (Rextag)

Figure 6
Major Facilities Map (Exhibit A-1.2)
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan

Source: National Agriculture Imagery Program (2022)



Resources determined not present include:
wild, scenic, and recreational river corridors, open spaces, scenic areas, parks,
designated wilderness, scenic vistas, designated scenic byways, designated
trails, and public-access fishing areas.



MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
March 26, 2026
Preliminary

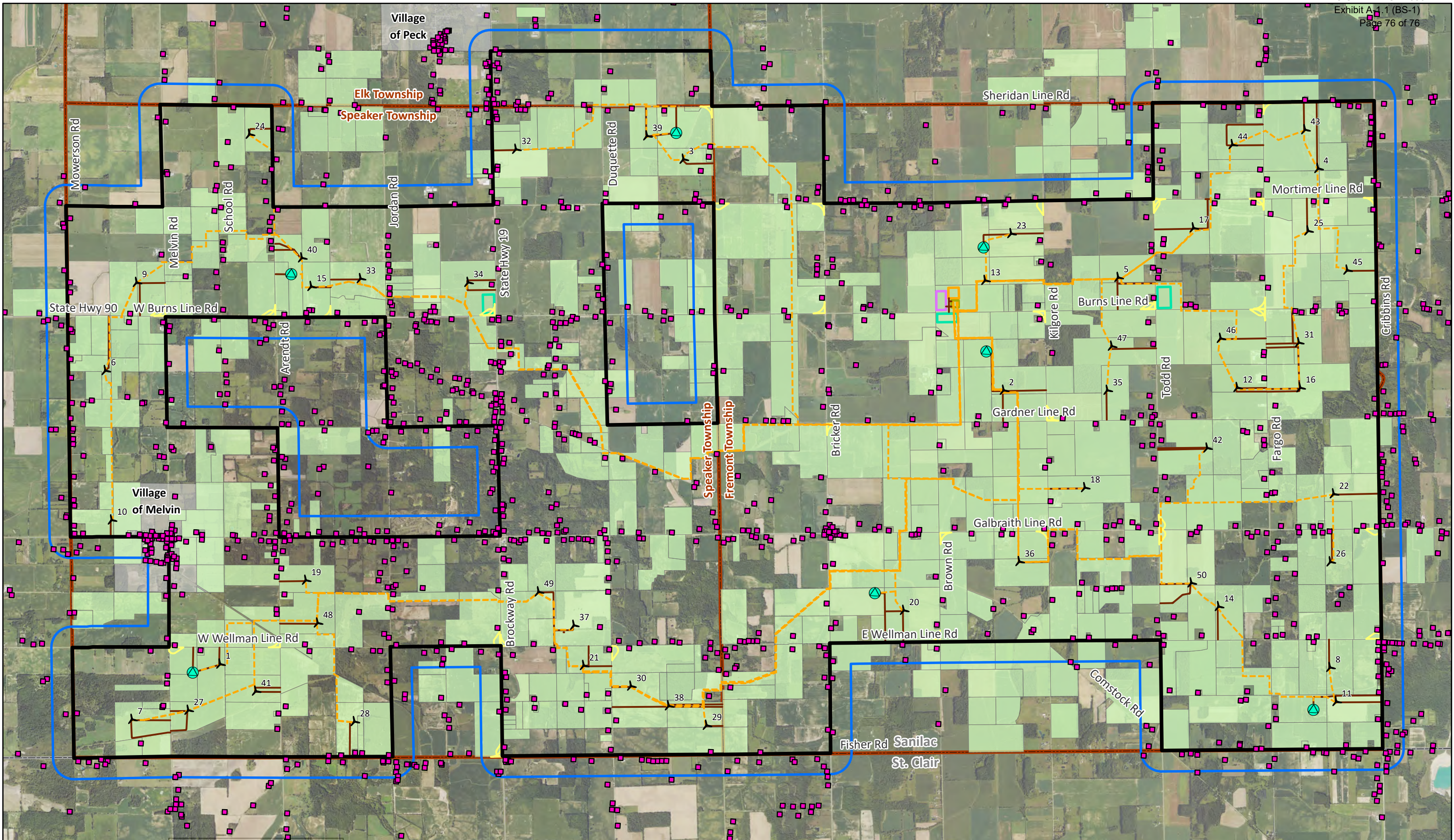
 Project Area (~34,860 acres)	 Proposed Turbine	 Proposed Switching Station	 Airport	 Locale
 1,000-foot Buffer	 Proposed Collection Route	 Proposed Substation	 Cemetery	 Post Office
 Town/Village	 Proposed Access Road	 Trout and Salmon Regulations Stream	 Church	
 Township	 Proposed Intersection Improvements	 U.S. Fish and Wildlife Service (FWS)	 Civil Building	
 County	 Proposed Laydown Yard	 Michigan DEQ Easement	 Fire Station	
 Proposed MET	 Proposed O&M Facility	 Private Conservation; Private Corporation	 Golf Course	

0 4,000
Feet



Source: National Agriculture Imagery Program (2022)

Figure 9
Recreational and Other Land Uses Map
(Exhibits A-1.1 & 1.2)
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan





MI Energy Developments, LLC
Riverbend Wind Energy Facility
24006759
December 11, 2025
Preliminary

0 4,000
Feet

-  Project Area (~34,860 acres)
-  1,000-foot Buffer
-  Town/Village
-  Township
-  County

-  Proposed MET
-  Proposed Turbine
-  Proposed Collection Route
-  Proposed Access Road

-  Proposed Intersection Improvements
-  Proposed Laydown Yard
-  Proposed O&M Facility
-  Proposed Switching Station
-  Proposed Substation

-  Occupied Dwelling
-  Participating Landowner

Source: National Agriculture Imagery Program (2022)

Figure 10
Occupied Dwellings Map (Exhibit A-1.1)
Elk, Speaker, and Fremont Townships
Sanilac County, Michigan