

**COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD ON
ELECTRIC GENERATION AND TRANSMISSION SITING**

In the Matter of:

ELECTRONIC APPLICATION OF GREEN)
RIVER SOLAR LLC FOR A CERTIFICATE OF)
CONSTRUCTION FOR AN APPROXIMATELY)
200 MEGAWATT MERCHANT ELECTRIC) Case No. 2020-00387
SOLAR GENERATING FACILITY IN)
BRECKINRIDGE AND MEADE COUNTY,)
KENTUCKY, PURSUANT TO KRS 278.700)
AND 807 KAR 5:110)

**GREEN RIVER SOLAR LLC'S
MOTION TO CONFIRM ITS FINAL SITE PLAN**

Comes now Green River Solar LLC, (“Green River”), by and through counsel, and does hereby respectfully move the Kentucky Siting Board on Electric Generation and Transmission Siting (“Siting Board”) for an order confirming the final site development plan that is being filed contemporaneously with this Motion at Attachment A. **A response is requested by December 4, 2023 to support the project timeline.** In support of this motion, Green River states as follows:

The Siting Board issued its Final Order on December 22, 2021, requiring,

1. A final site layout plan shall be submitted to the Siting Board upon completion of the final site design. Deviations from the preliminary site layout should be clearly indicated on the revised graphic. Those changes could include, but are not limited to, location of solar panels, inverters, transformers, substation, operation and maintenance building or other Project facilities and infrastructure.
2. Any change in the Project boundaries from the information which formed this evaluation shall be submitted to the Siting Board for review.
3. The Siting Board will determine if any deviation in the boundaries or site layout plan is likely to create a materially different pattern or magnitude of impacts. If not, no further action is required,

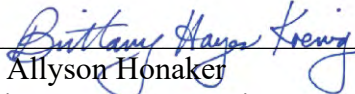
but if yes, the application will support the Siting Board's effort to revise its assessment of impact and mitigation requirements.

Attachment A is the final site development plan and Attachment B is a memorandum highlighting the changes made from the preliminary site plan filed in the Application. As depicted in the attachments, the changes between the previously filed site layout plan¹ and the revised plan do not create a materially different pattern or magnitude of impacts.

WHEREFORE, Green River respectfully requests that the Siting Board enter an order confirming that Green River's revised site development plan is in compliance with the conditions imposed in the December 22, 2021 Order and that the changes to the site plan have not materially changed the Project and do not create a magnitude of impacts different from the impacts the Siting Board addressed in the original consideration of the case.

This 14th day of November, 2023.

Respectfully submitted,



L. Allyson Honaker
Brittany Hayes Koenig
HONAKER LAW OFFICE, PLLC
1795 Alysheba Way, Suite 6202
Lexington, KY 40509
(859) 368-8803
allyson@hloky.com
brittany@hloky.com

Counsel for Green River Solar LLC

¹ Green River Responses to Staff's Post Hearing Data Requests, Response 1, Attachment 1, Filed Nov. 15, 2021.

ATTACHMENT A

PREPARED FOR:
GREEN RIVER SOLAR, LLC

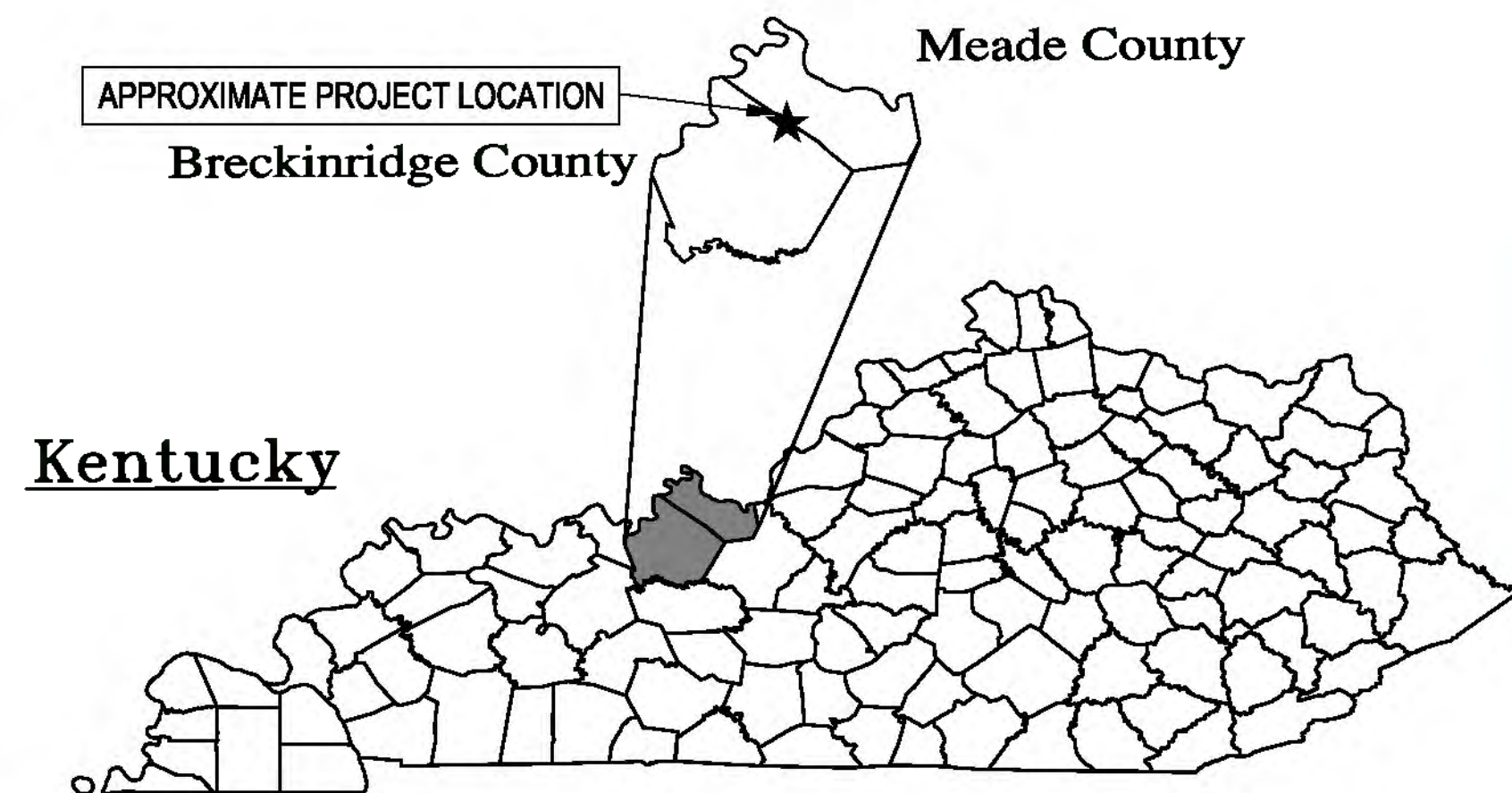
700 UNIVERSE BLVD
JUNO BEACH, FL, 33408
CONTACT: LINA JENSEN, PROJECT DIRECTOR
PHONE: (832) - 613 - 7247



GREEN RIVER SOLAR PROJECT

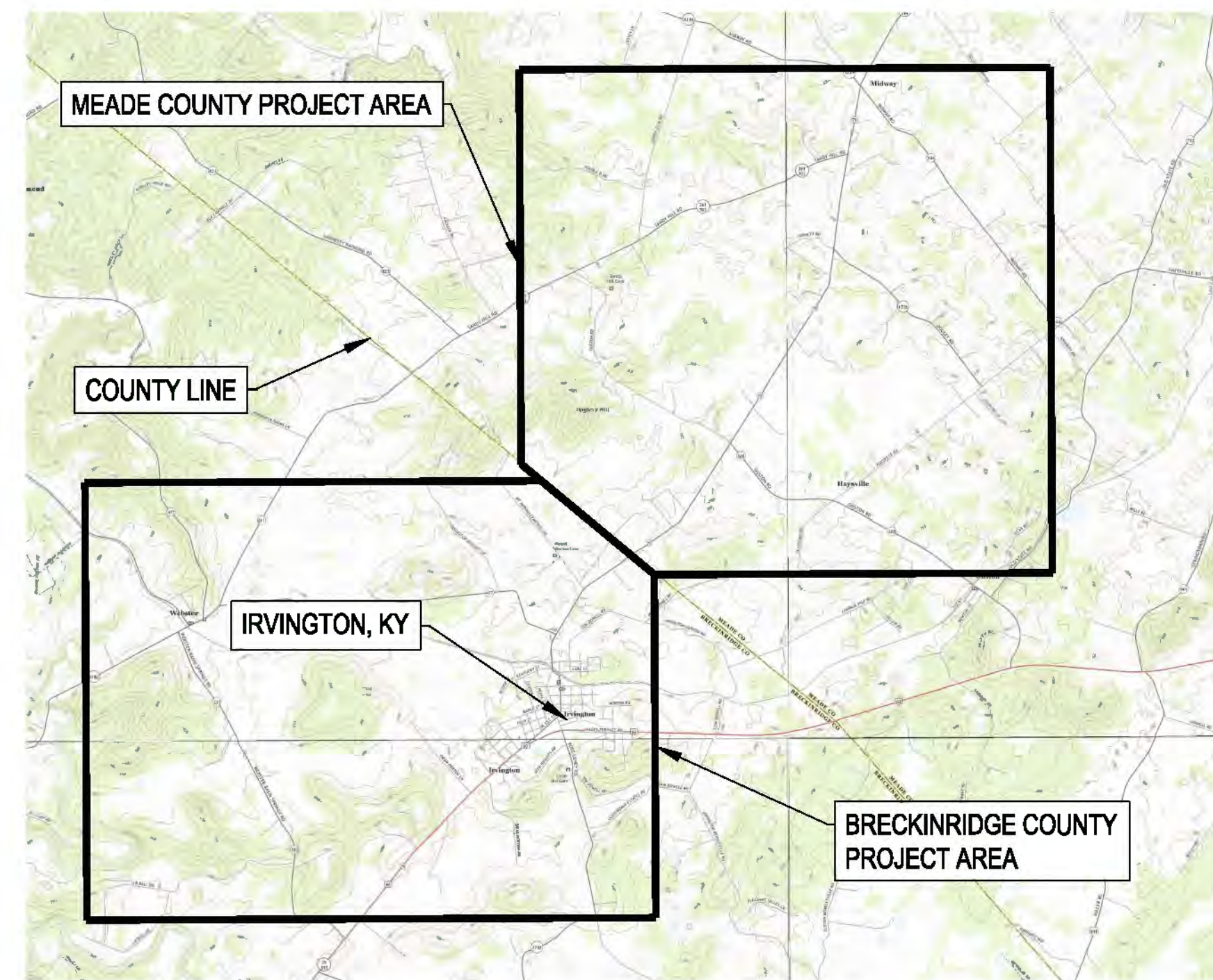
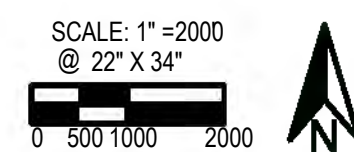
FINAL SITE LAYOUT PLAN

PROJECT SITE INFORMATION	
SITE ADDRESS	8365 HWY 79, GUSTON, KY, 40142
COUNTY PARCEL NUMBER	VARIOUS
GPS COORDINATES	37.908° N, -86.261° W (PROJECT SUBSTATION)
SITE ELEVATION	680 FT A.M.S.L.
DEVELOPER NAME	GREEN RIVER SOLAR, LLC
DEVELOPER ADDRESS	700 UNIVERSE BLVD., JUNO BEACH, FL
DEVELOPER CONTACT	LINA JENSEN, LESTER MORALES
SYSTEM SIZE (MW)	200 MW TOTAL
TRANSFORMER COUNT	1
PROJECT ZONING	AGRICULTURAL
NON PARTICIPATING PARCEL BUFFER	50 FEET
OCCUPIED STRUCTURE BUFFER (MEADE COUNTY)	250 FEET
OCCUPIED STRUCTURE BUFFER (BRECKINRIDGE COUNTY)	300 FEET
EDGE OF ROAD PAVEMENT BUFFER	50 FEET
SURFACE WATER BUFFER	25 FEET
WETLAND BUFFER	25 FEET
STREAM BUFFER	25 FEET
PROJECT AREA	1,100 ACRES
ROAD LENGTH	78,535 FEET
VISUAL SCREEN	32,829 FEET

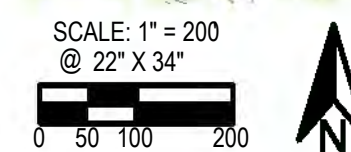


KENTUCKY STATE MAP
N.T.S.

PROJECT LOCATION MAP
NOT TO SCALE



PROJECT VICINITY MAP
NOT TO SCALE



DRAWING INDEX

COVER

- CIVIL - SITE ENGINEERING (C)
- C1.01 EXISTING CONDITIONS
- C1.02 OVERALL SITE PLAN AND KEY MAP
- C2.01 - C2.22 SITE EXHIBITS
- C3.01 CONSTRUCTION DETAILS
- C3.02 LANDSCAPE ILLUSTRATION

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

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FOR INFORMATION REGARDING THIS PROJECT CONTACT: Beth Wilburn, bwilburn@ectinc.com



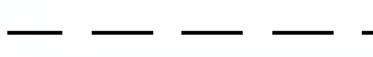








KENTUCKY SITING BOARD FINAL SITE LAYOUT PLAN
NOVEMBER 14, 2023

ECT PROJECT # 20-0594
PREPARED BY:

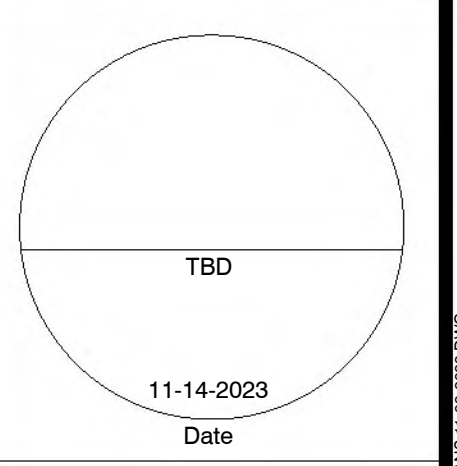
ECT Environmental Consulting & Technology, Inc.
1408 N. WESTSHORE BLVD., STE 115
TAMPA, FL, 33607
PHONE: (813) - 289-9338



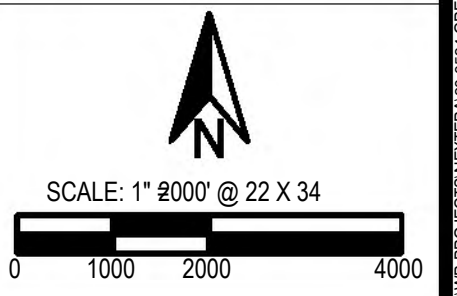
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-  OVERHEAD ELECTRIC LINE
-  OCCUPIED STRUCTURE
-  UNOCCUPIED STRUCTURE
-  EXISTING STREAM
-  EXISTING WETLAND
-  EXISTING SURFACE WATER

ECT PROJECT No.:	20-0594
DESIGNED BY:	NEXTERA ENERGY RESOURCES
DRAWN BY:	MRA
CHECKED BY:	BW
APPROVED BY:	NEXTERA ENERGY RESOURCES
CONCEPT PLAN	06-25-2021
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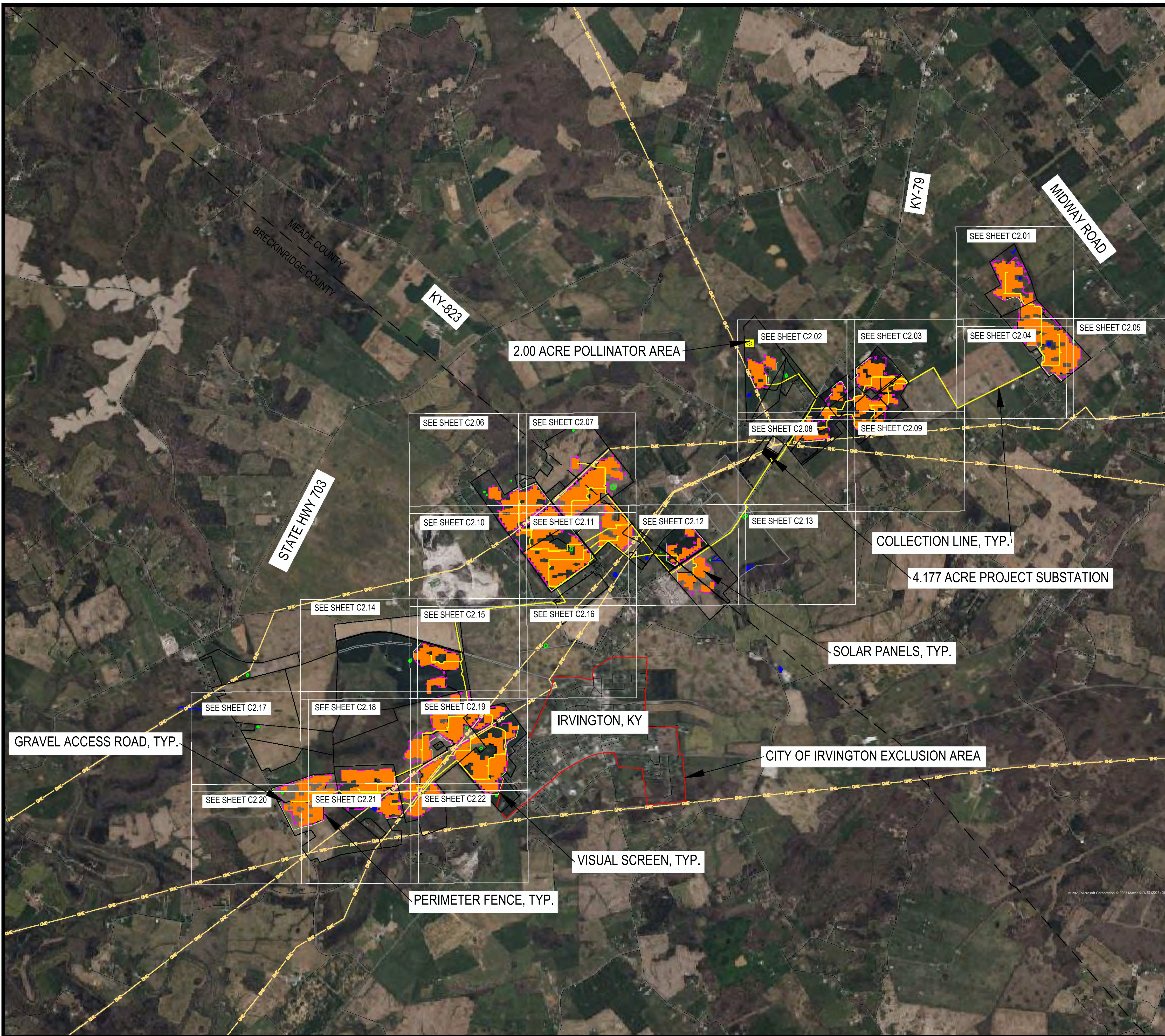


EXISTING CONDITIONS



C1.01

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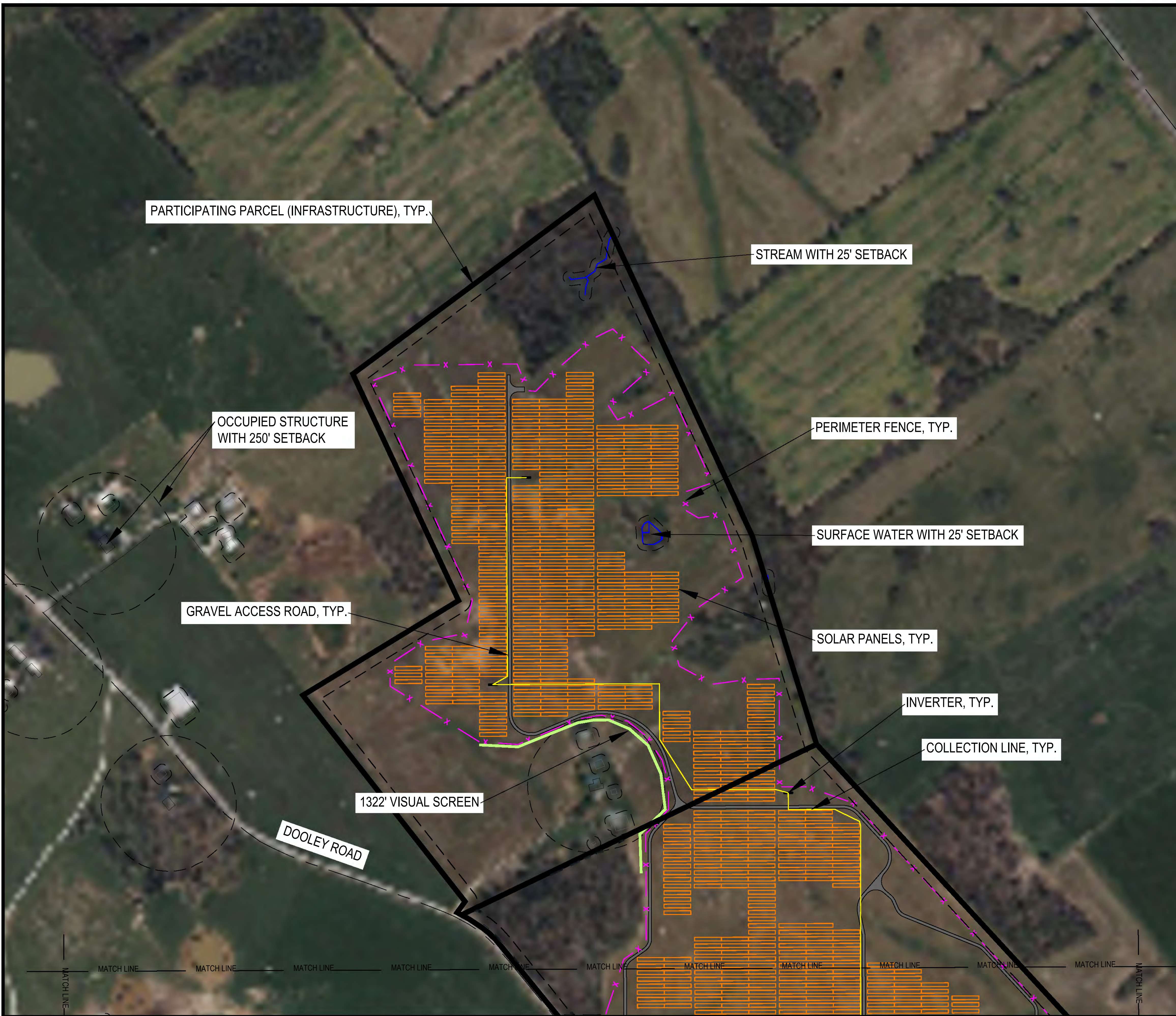
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OVERALL SITE PLAN AND KEY MAP

SCALE: 1" = 800' @ 22 X 34
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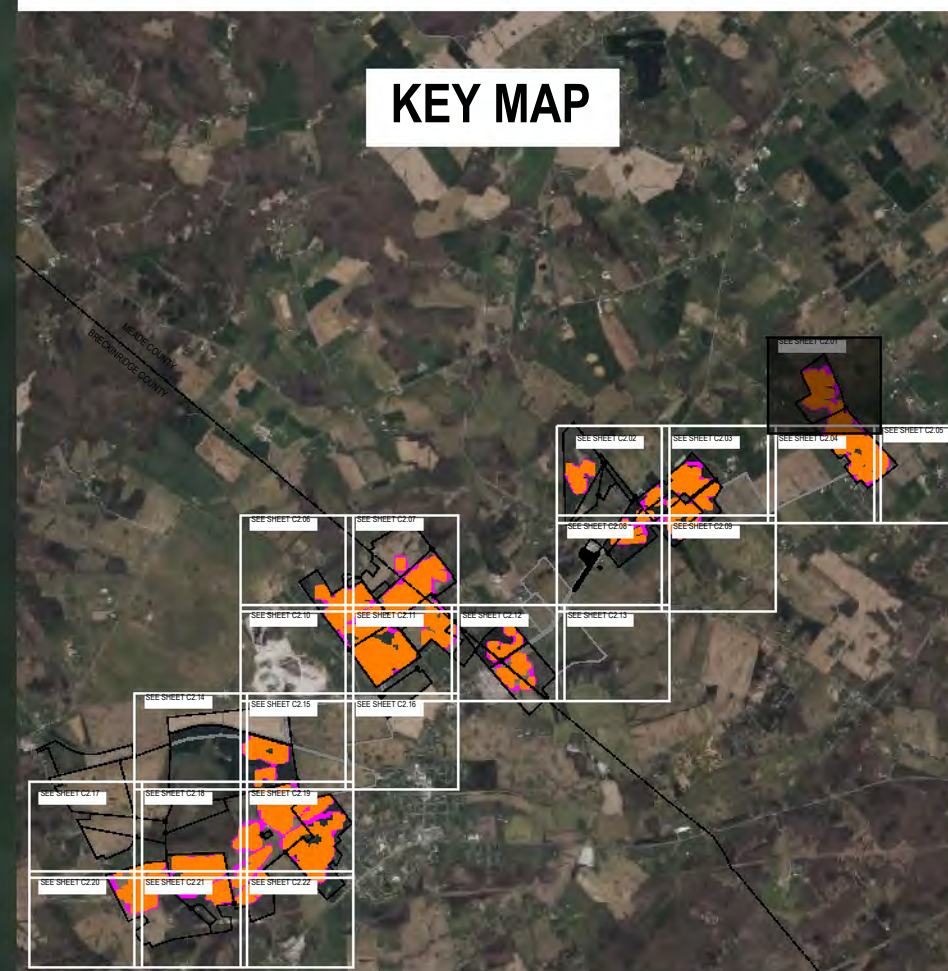
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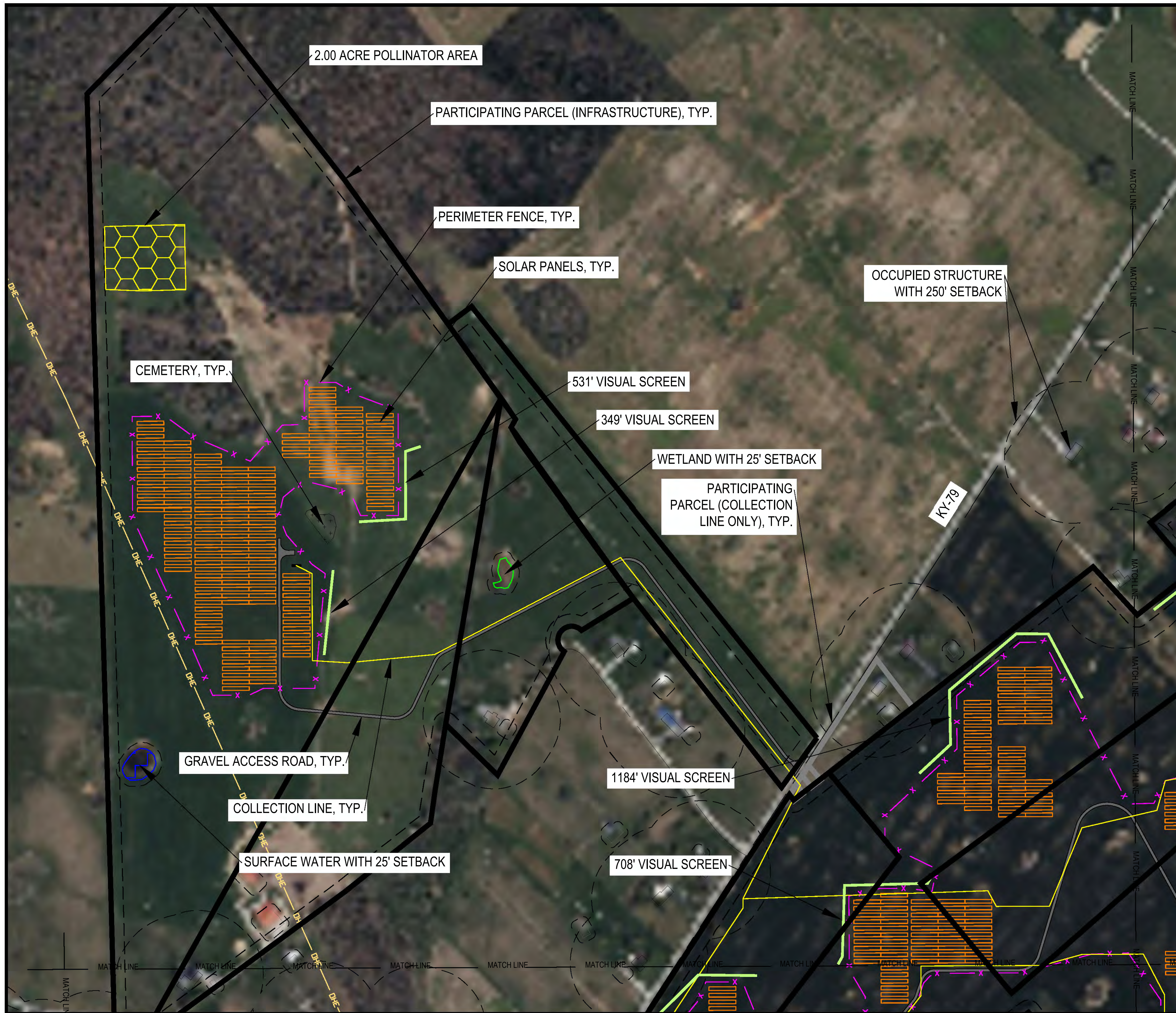
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Date

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

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C2.01



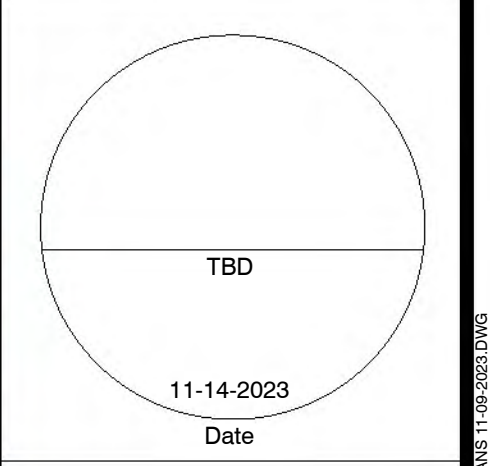
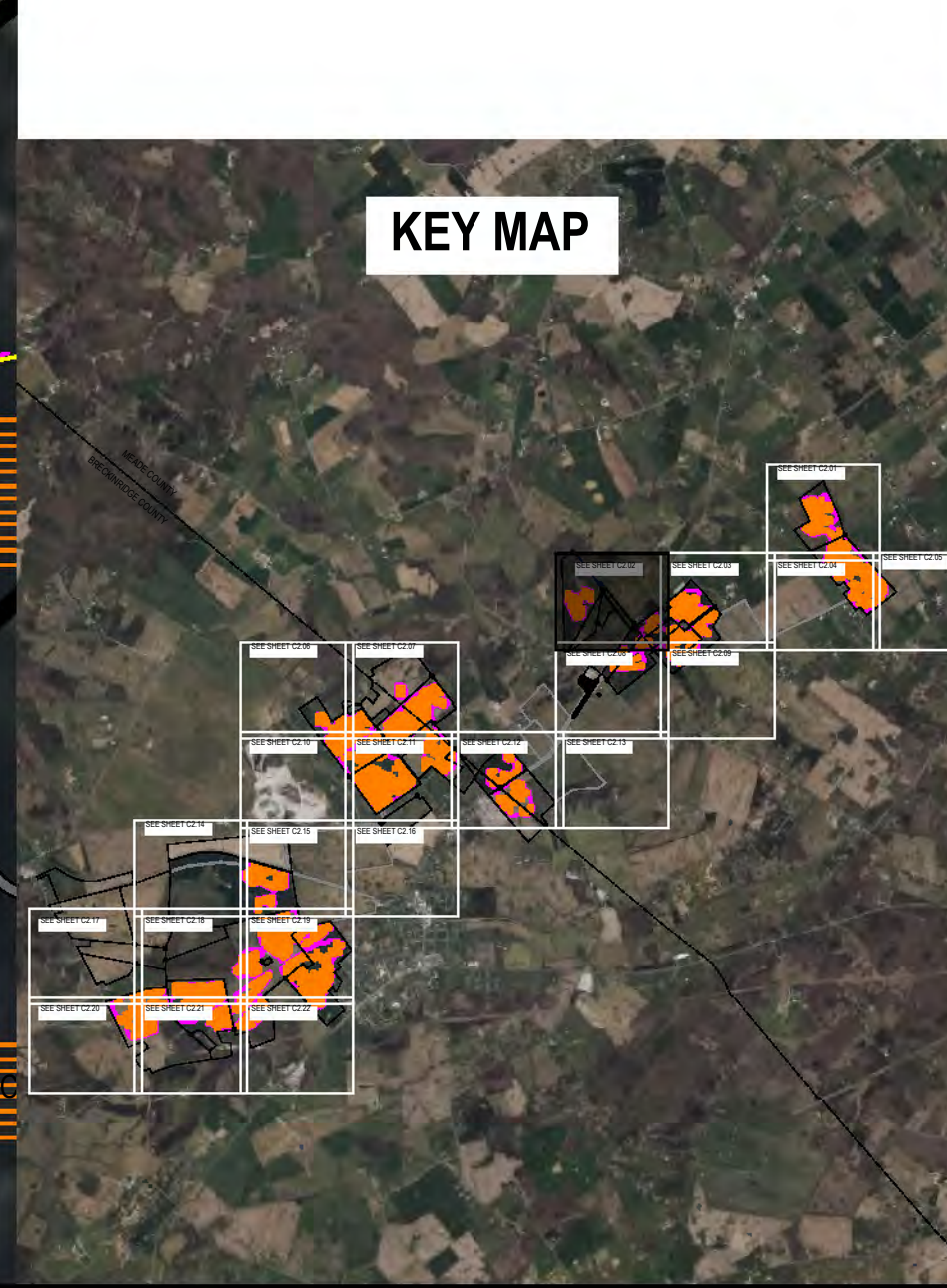
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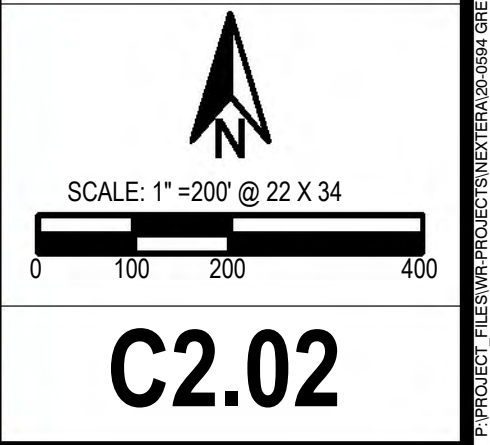
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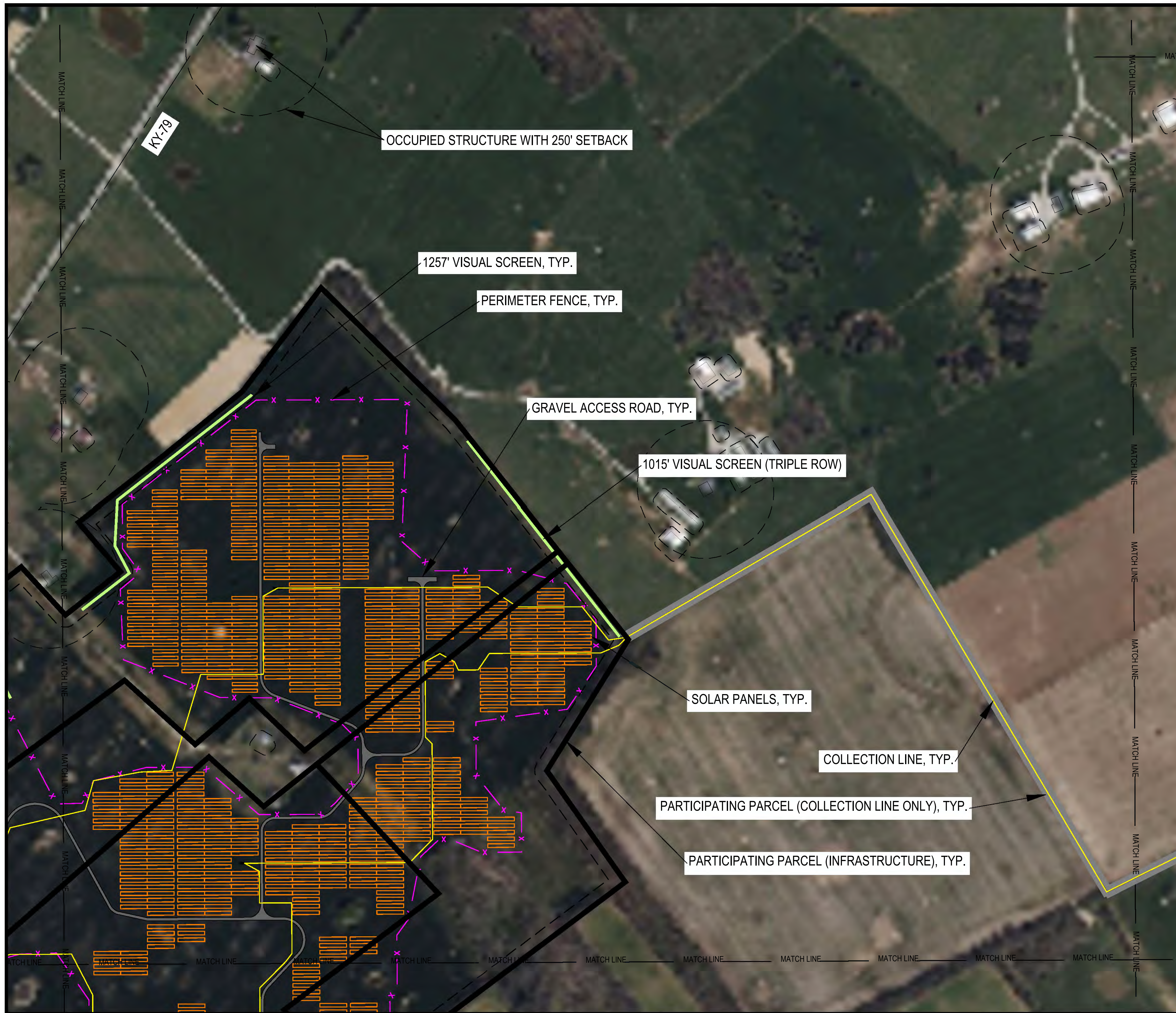
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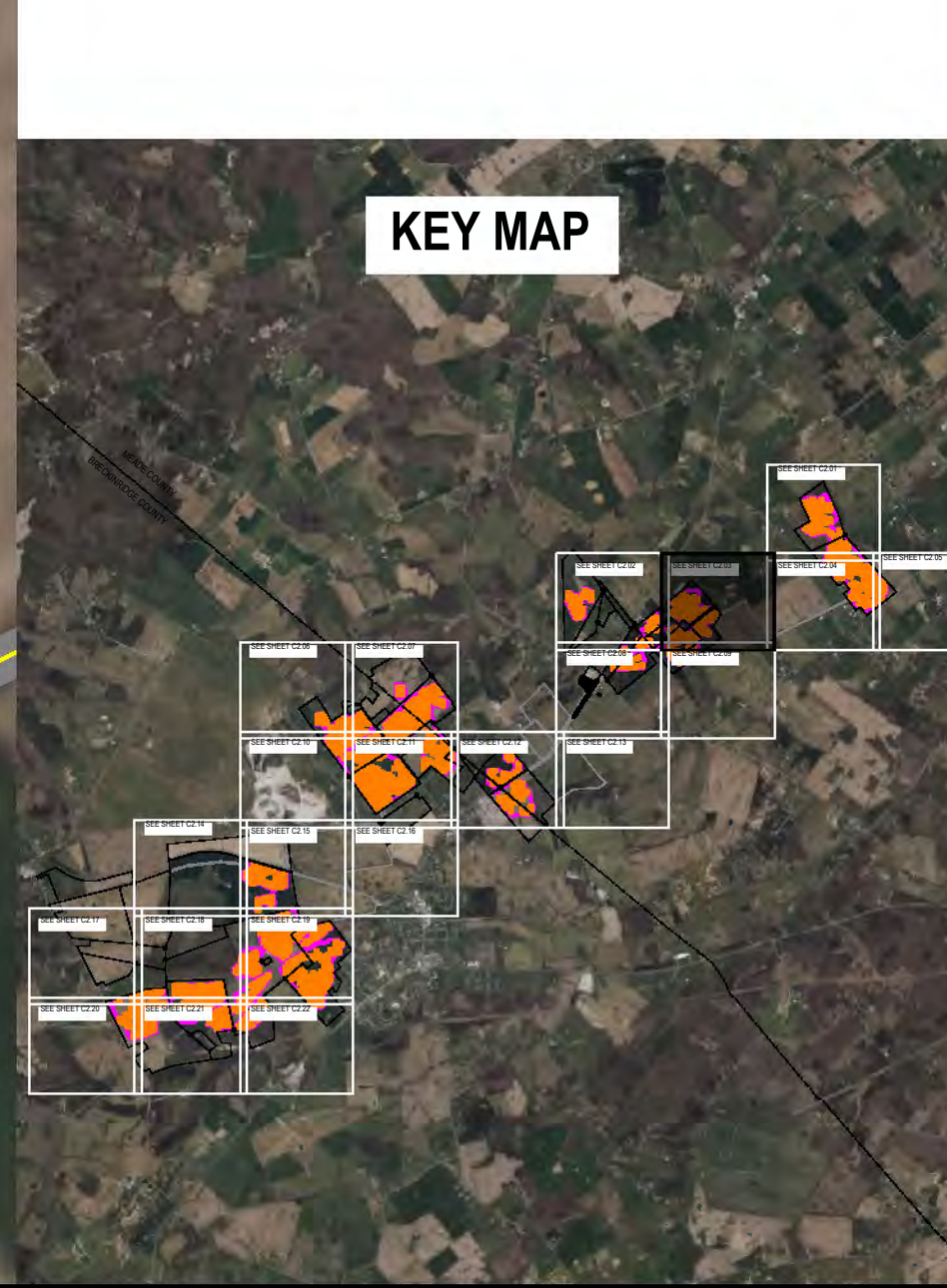
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KEY MAP
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 11-14-2023
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SITE EXHIBIT
 SCALE: 1" = 200' @ 22 X 34
C2.03



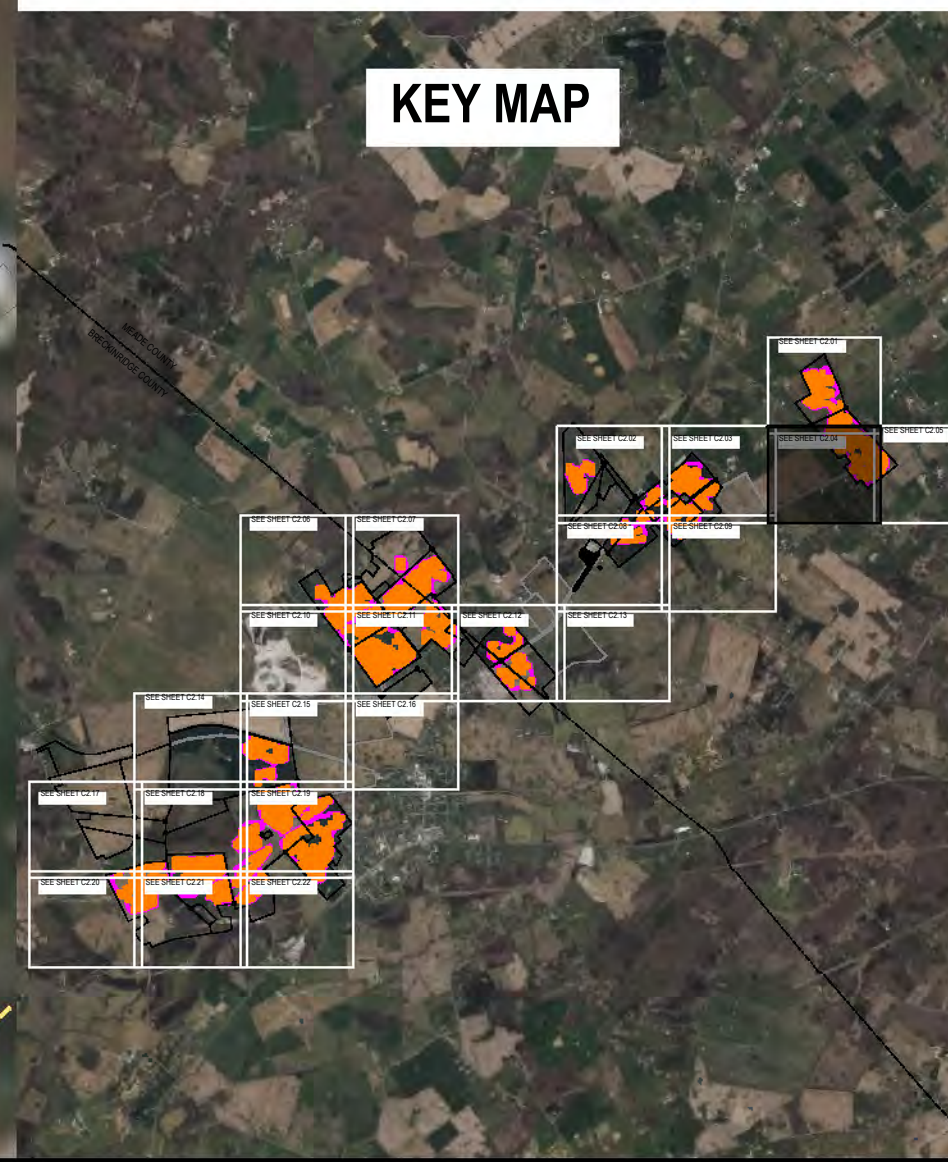
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SCALE: 1" = 200' @ 22 X 34

C2.04

APPROVED FOR THE PROJECT BY: NEXTERA ENERGY RESOURCES GREEN RIVER SOLAR MEADE COUNTY, KENTUCKY PLAN C2.04 DATE 11/14/2023



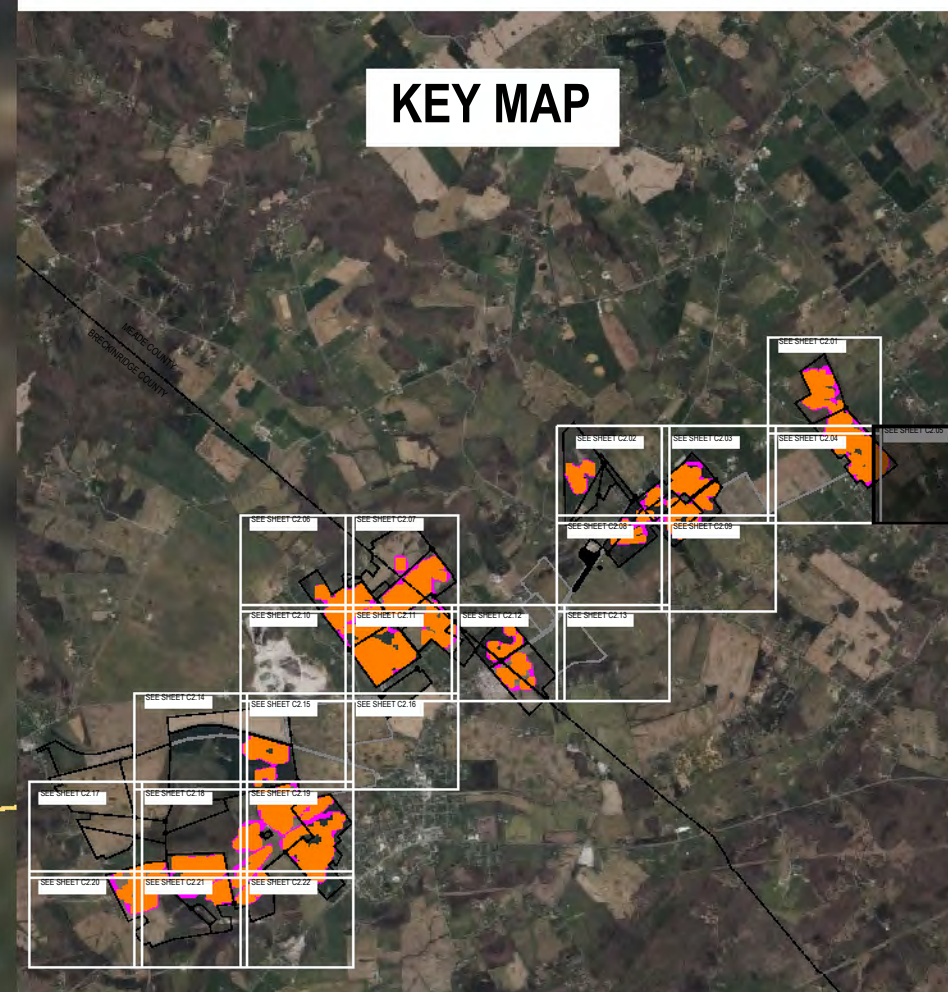
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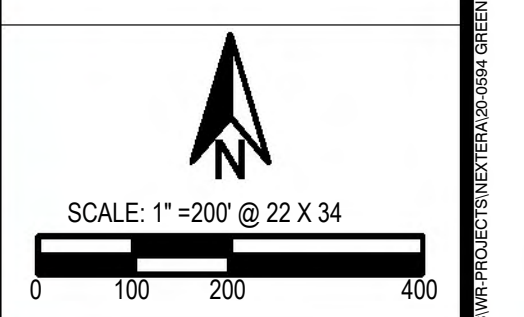
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11-14-2023
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SITE EXHIBIT



C2.05

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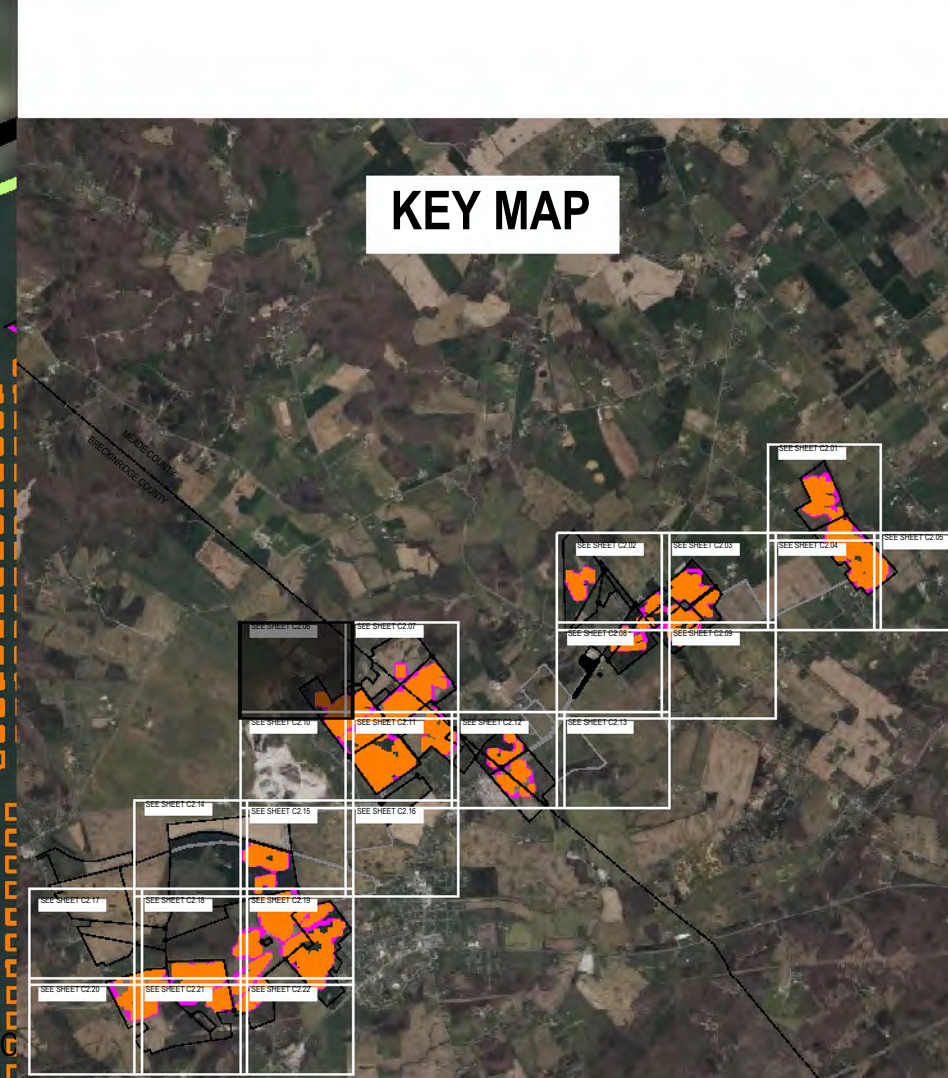
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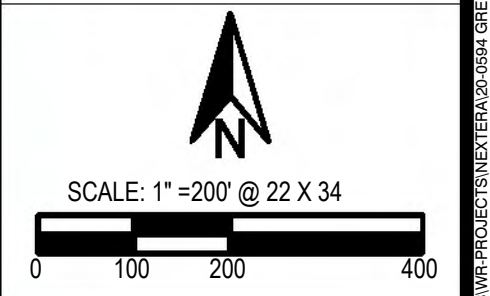
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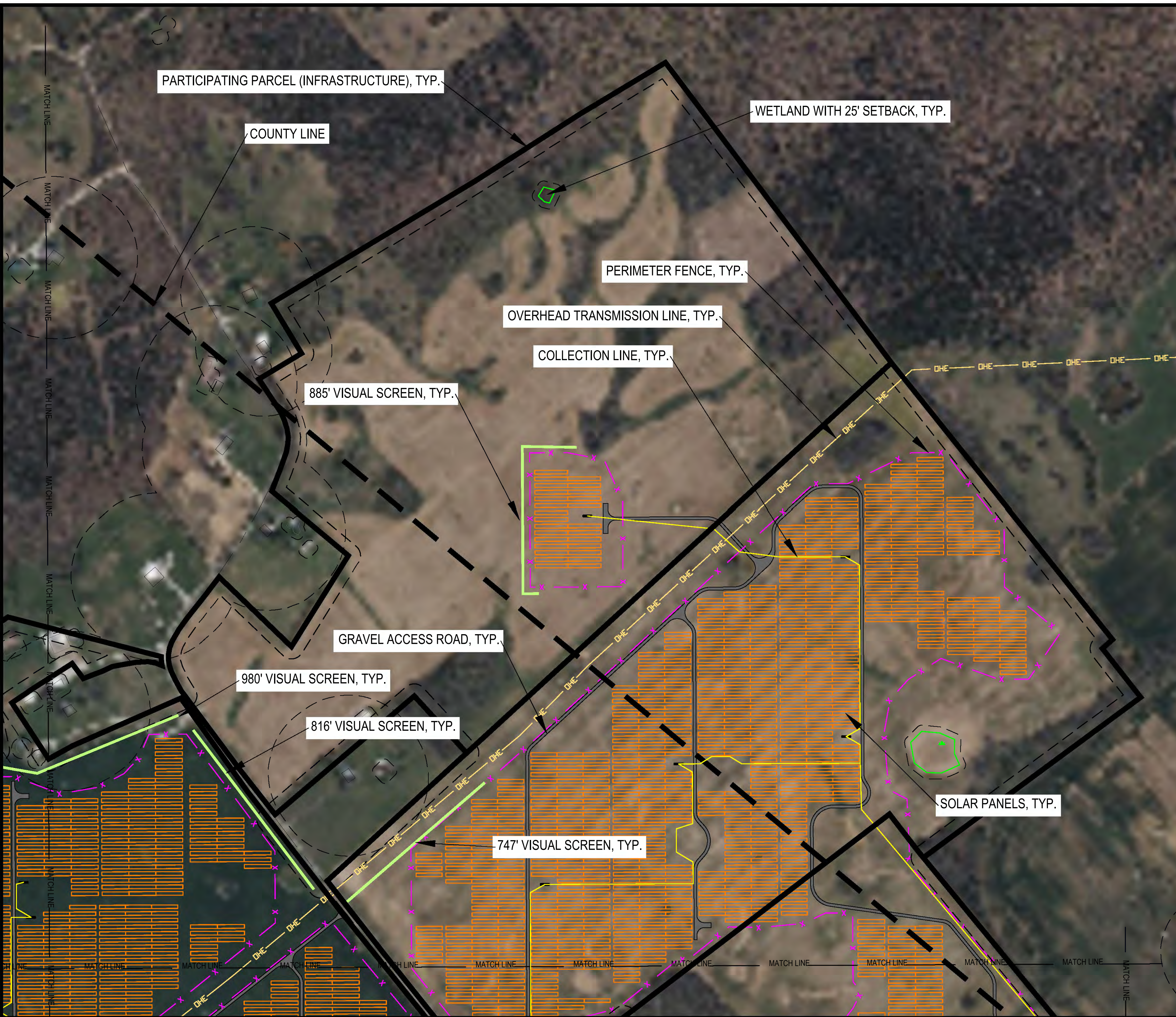
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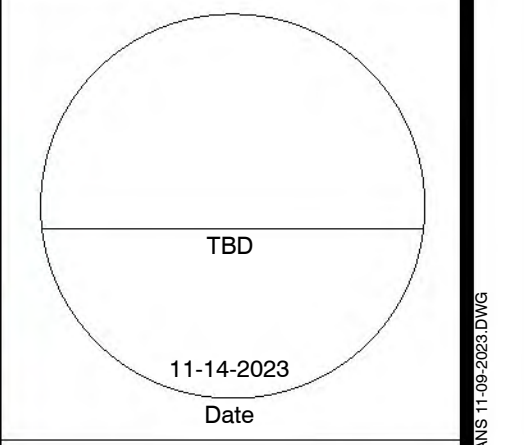
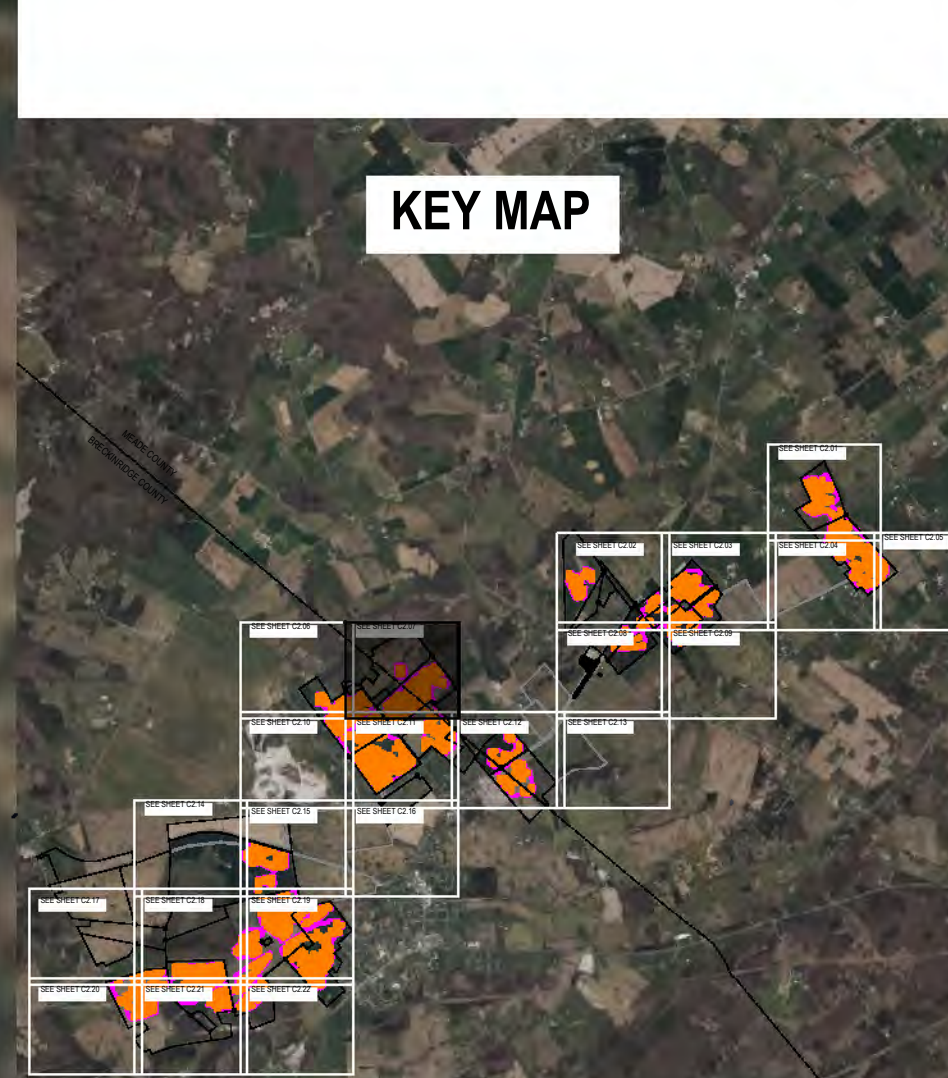
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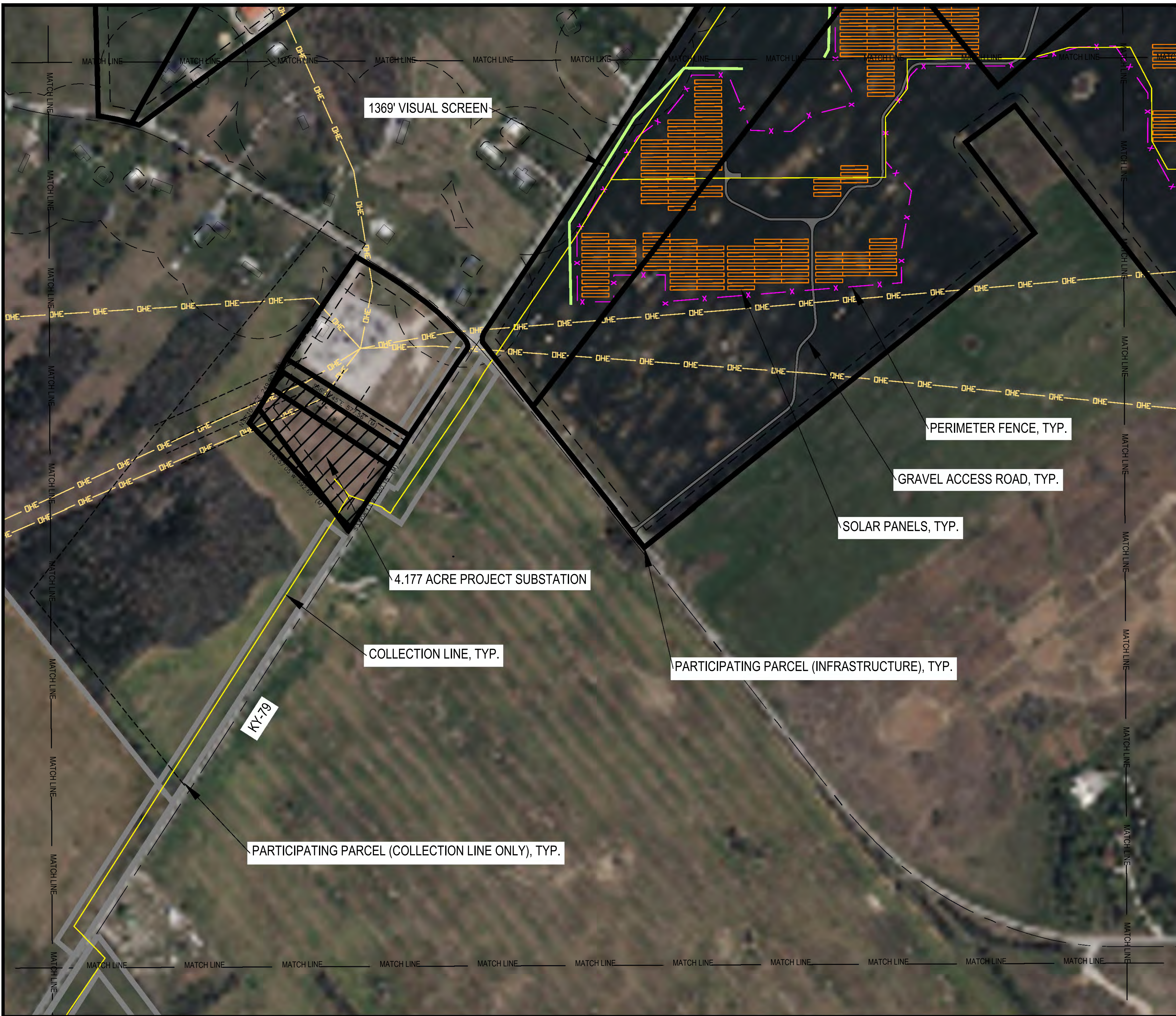
ECT PROJECT No.:	20-0594
DESIGNED BY:	NEXTERA ENERGY RESOURCES
DRAWN BY:	MRA
CHECKED BY:	BW
APPROVED BY:	NEXTERA ENERGY RESOURCES
CONCEPT PLAN	06-25-2021
KY SITING BOARD	07-09-2021
MEADE CO. PLAN	07-13-2021
MEADE CO. PLAN RESUBMITTAL 1	08-11-2021
KY SITING BOARD RESUBMITTAL	09-22-2021
MEADE CO. PLAN RESUBMITTAL 2	10-18-2021
KY SITING BOARD RESUBMITTAL 2	11-10-2021
KY SITING BOARD RESUBMITTAL 3	11-14-2023



SITE EXHIBIT

C2.07

PRODUCED BY NEXTERA ENERGY RESOURCES FOR THE GREEN RIVER SOLAR MEADE COUNTY, KENTUCKY PROJECT. PLAN DATE: 11/14/2023.



LEGEND

- PARTICIPATING PARCELS (INFRASTRUCTURE)
- PARTICIPATING PARCELS (COLLECTION LINE ONLY)
- SETBACK
- COUNTY LINE
- CITY OF IRVINGTON EXCLUSION AREA
- EXISTING ROADS
- OVERHEAD ELECTRIC LINE
- OCCUPIED STRUCTURE
- UNOCCUPIED STRUCTURE
- EXISTING STREAM
- EXISTING WETLAND
- EXISTING SURFACE WATER
- PROPOSED SOLAR PANELS
- PERIMETER FENCE
- INVERTER
- COLLECTION LINE
- GRAVEL ACCESS ROAD
- POLLINATOR AREA
- VISUAL SCREEN
- PROJECT SUBSTATION
- CEMETERY

KEY MAP

TBD

11-14-2023
Date

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

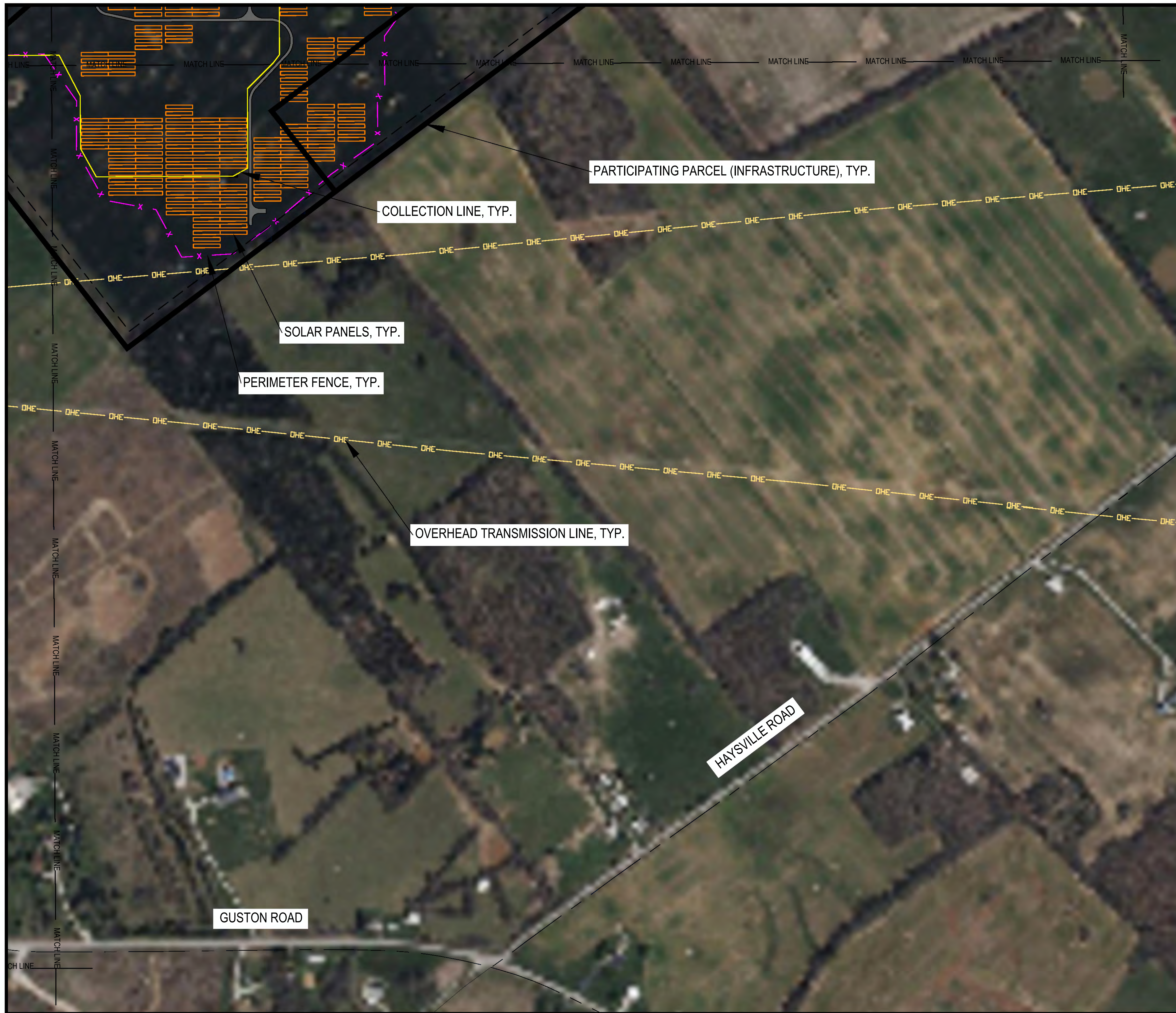
C2.08

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NEXTERA ENERGY RESOURCES
GREEN RIVER SOLAR
MEADE COUNTY, KENTUCKY

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KY SITING BOARD RESUBMITTAL 2	11-10-2021
KY SITING BOARD RESUBMITTAL 3	11-14-2023

PRODUCED BY THE SOFTWARE ENGINEERING GROUP FOR THE GREEN RIVER SOLAR PROJECT MEADE COUNTY, KENTUCKY. PLAN C2.08, 11/14/2023.



PARTICIPATING PARCEL (INFRASTRUCTURE), TYP.

COLLECTION LINE, TYP.

SOLAR PANELS, TYP.

PERIMETER FENCE, TYP.

OVERHEAD TRANSMISSION LINE, TYP.

HAYSVILLE ROAD

GUSTON ROAD

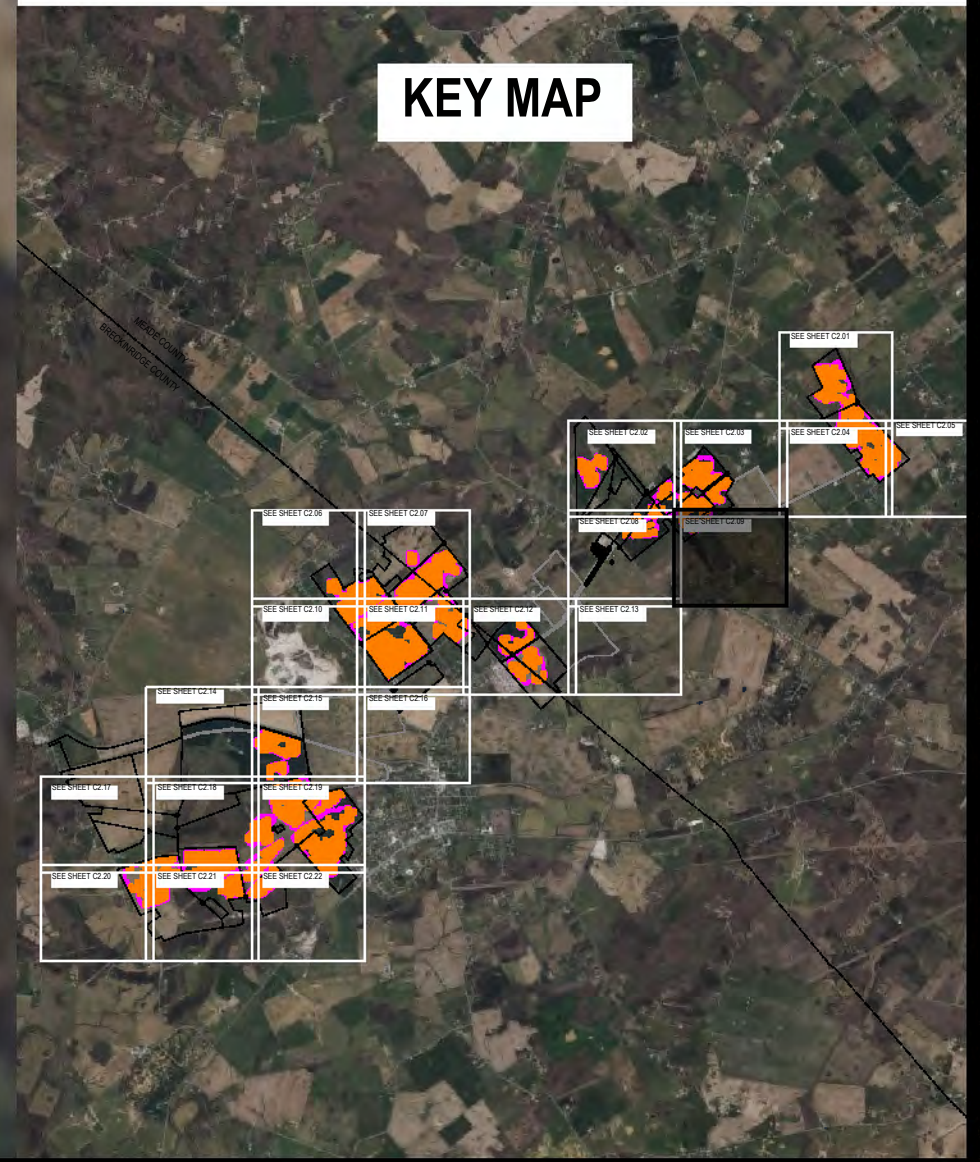
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TBD

11-14-2023
Date

SITE EXHIBIT

C2.09

PRODUCED BY THE NEXTERA ENERGY RESOURCES GREEN RIVER SOLAR MEADE COUNTY KENTUCKY PLANS 11-14-2023



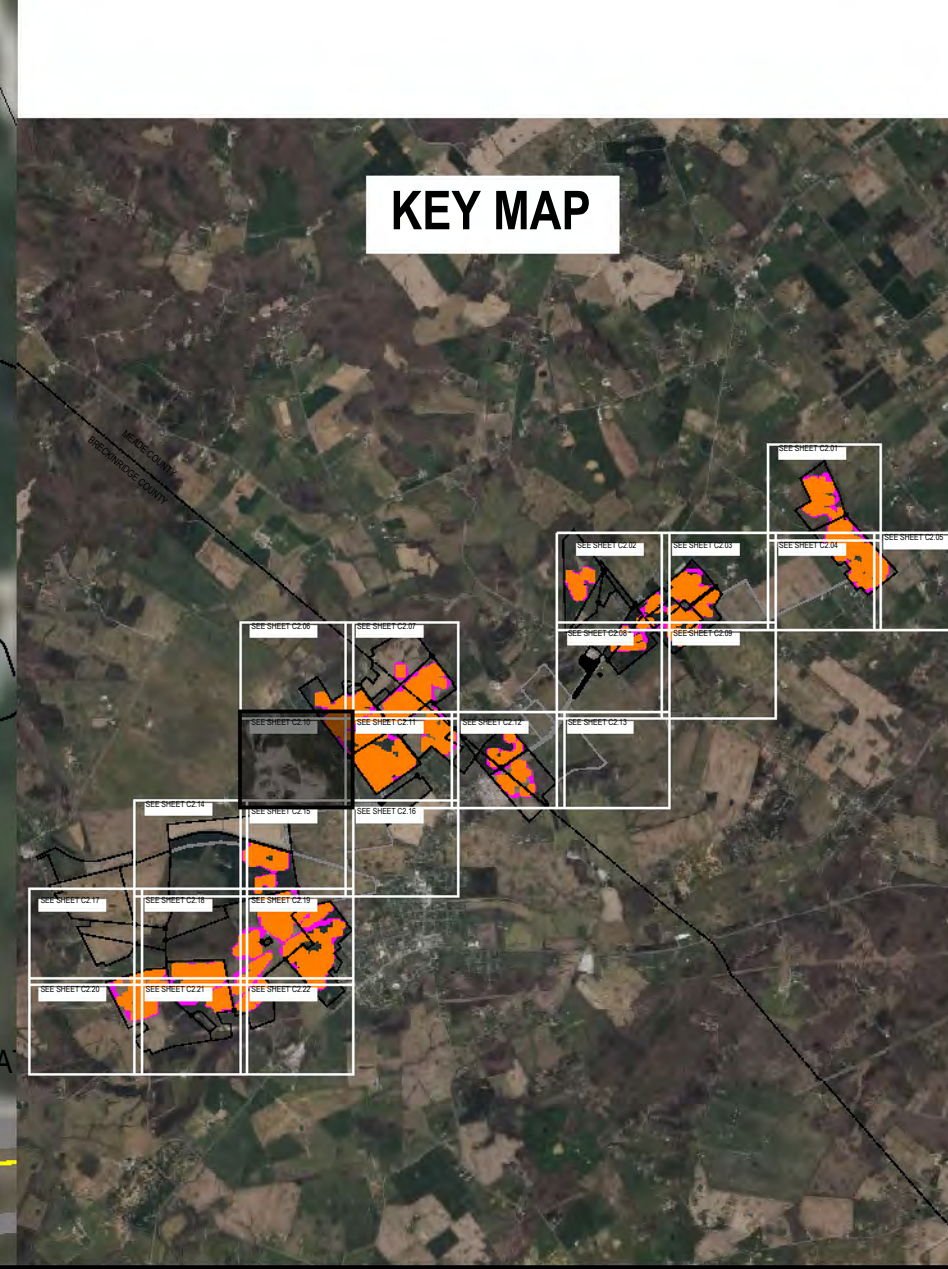
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TBD
 11-14-2023
 Date

SITE EXHIBIT

 SCALE: 1" = 200' @ 22 X 34

C2.10

PRODUCED BY NEXTERA ENERGY RESOURCES FOR THE GREEN RIVER SOLAR PROJECT IN MEADE COUNTY, KENTUCKY. DATE: 11/14/2023.



LEGEND

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NEXTERA ENERGY RESOURCES
GREEN RIVER SOLAR
 MEADE COUNTY, KENTUCKY

ECT PROJECT No.:	20-0594
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KY SITING BOARD RESUBMITTAL 3	11-14-2023

KEY MAP

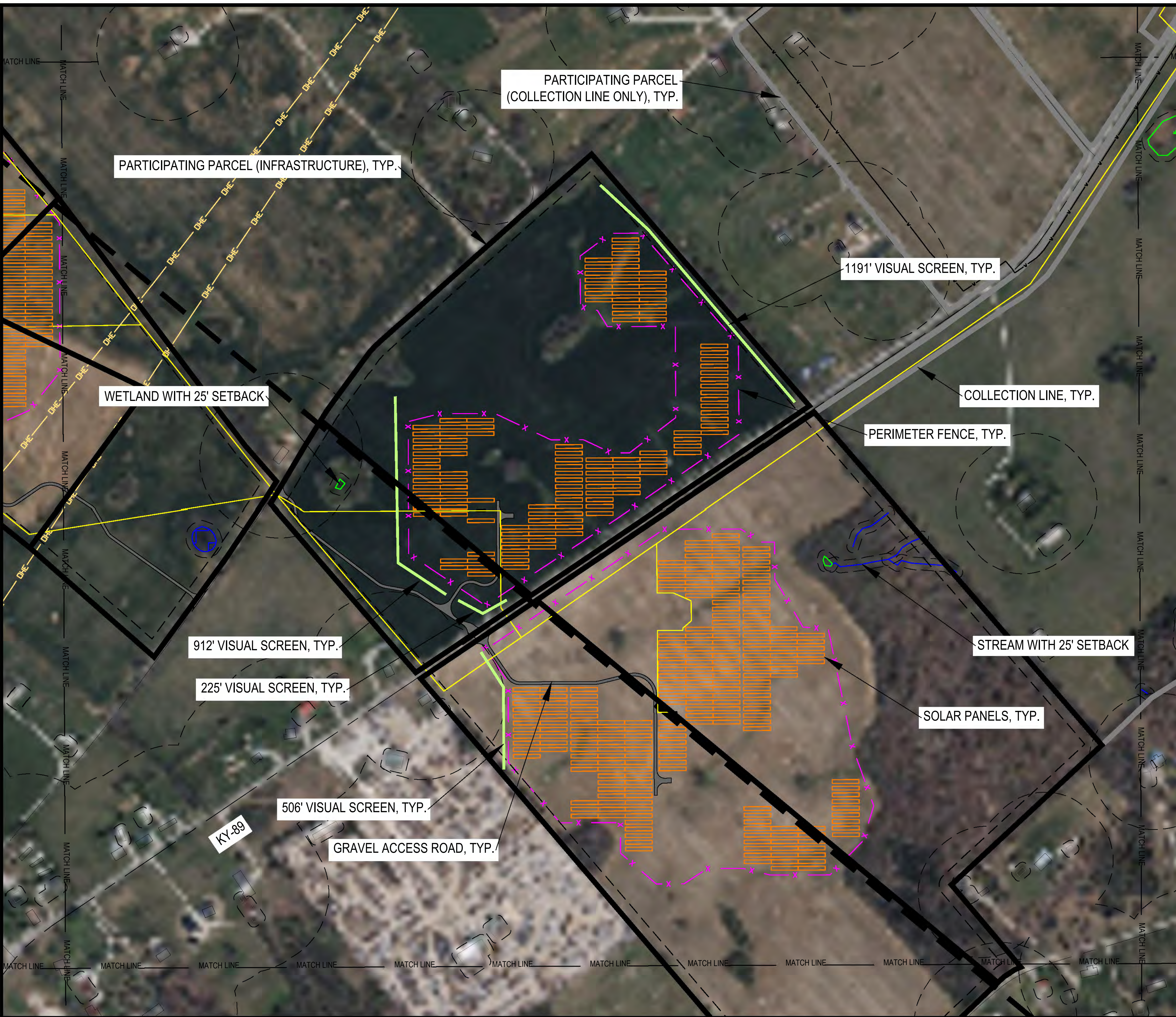
TBD
 11-14-2023
 Date

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34
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C2.11

PRODUCED BY THE DESIGNER FOR THE PROJECT GREEN RIVER SOLAR MEADE COUNTY, KY. THIS PLAN IS A PART OF THE PROJECT PLAN SET.



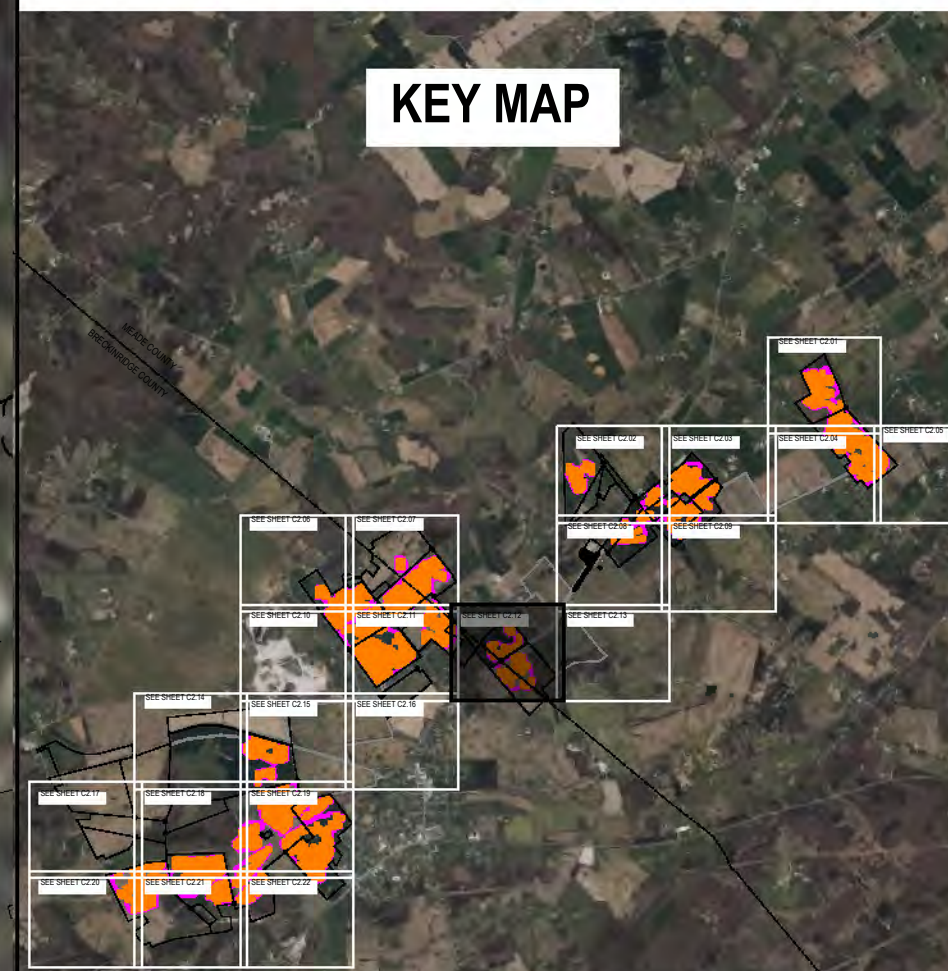
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TBD

11-14-2023
Date

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

0 100 200 400

C2.12

PRODUCED BY THE DESIGNER FOR THE PROJECT GREEN RIVER SOLAR MEADE COUNTY, KENTUCKY. PLAN C2.12 OF 2023.03.03



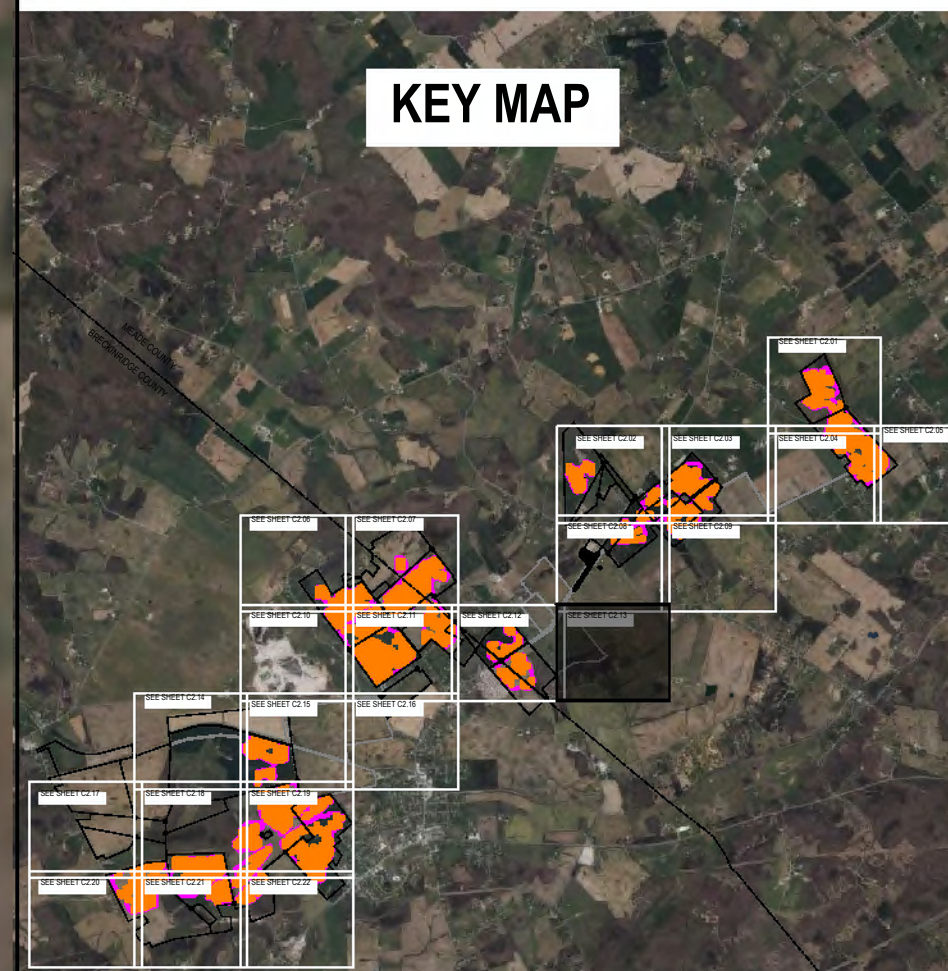
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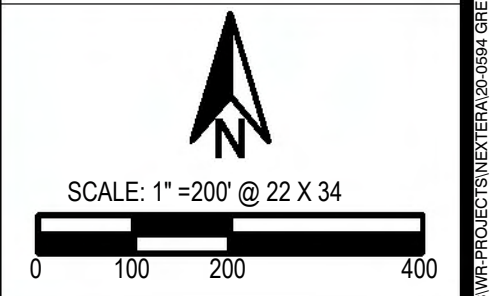
NEXTERA ENERGY RESOURCES
GREEN RIVER SOLAR
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TBD
 11-14-2023
 Date

SITE EXHIBIT

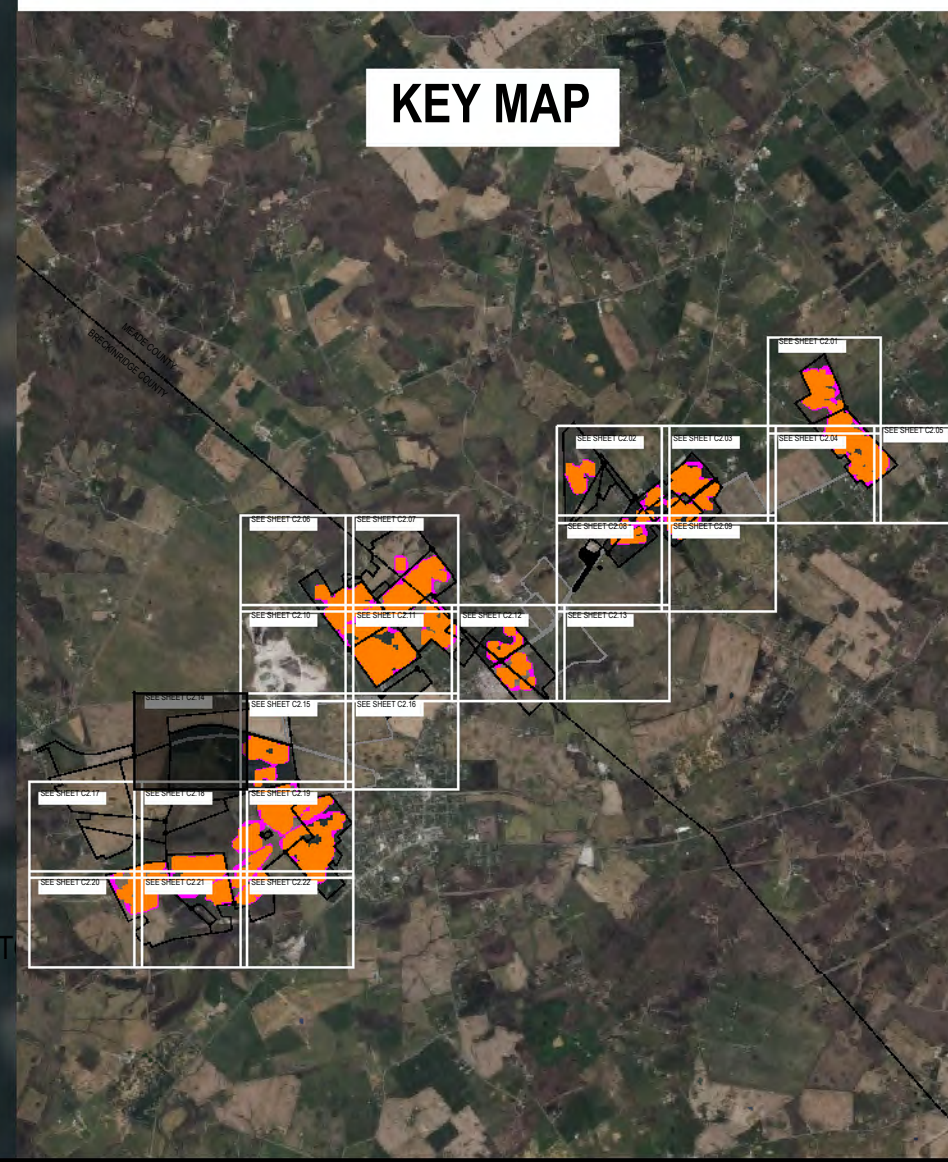


PROJECT: GREEN RIVER SOLAR MEADE COUNTY, KY; DATE: 11-14-2023; DRAWN BY: MRA; CHECKED BY: BW; APPROVED BY: NEXTERA ENERGY RESOURCES



LEGEND

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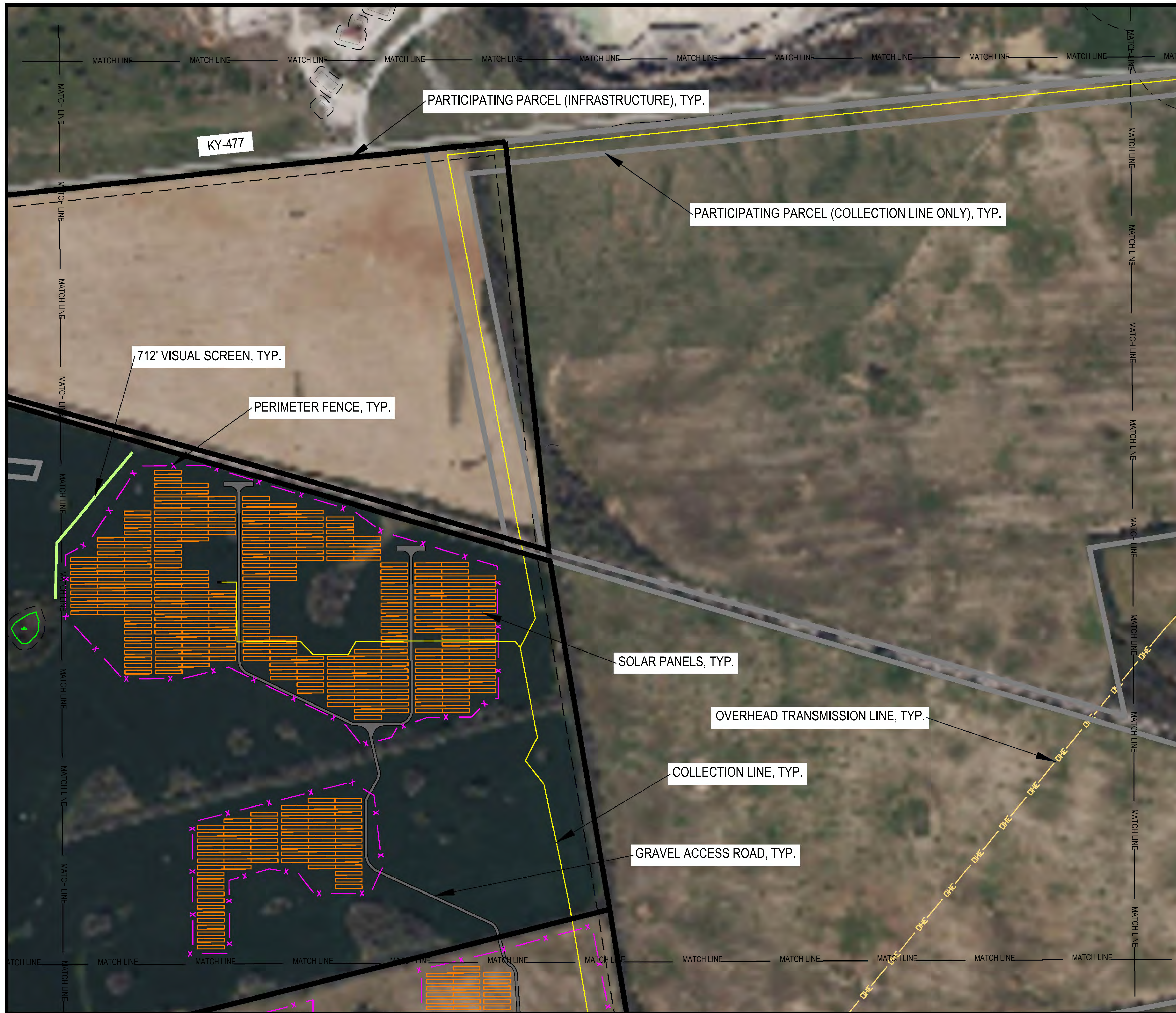
SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

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C2.14

11/14/2023 11:59 AM BY: MRA/ECT



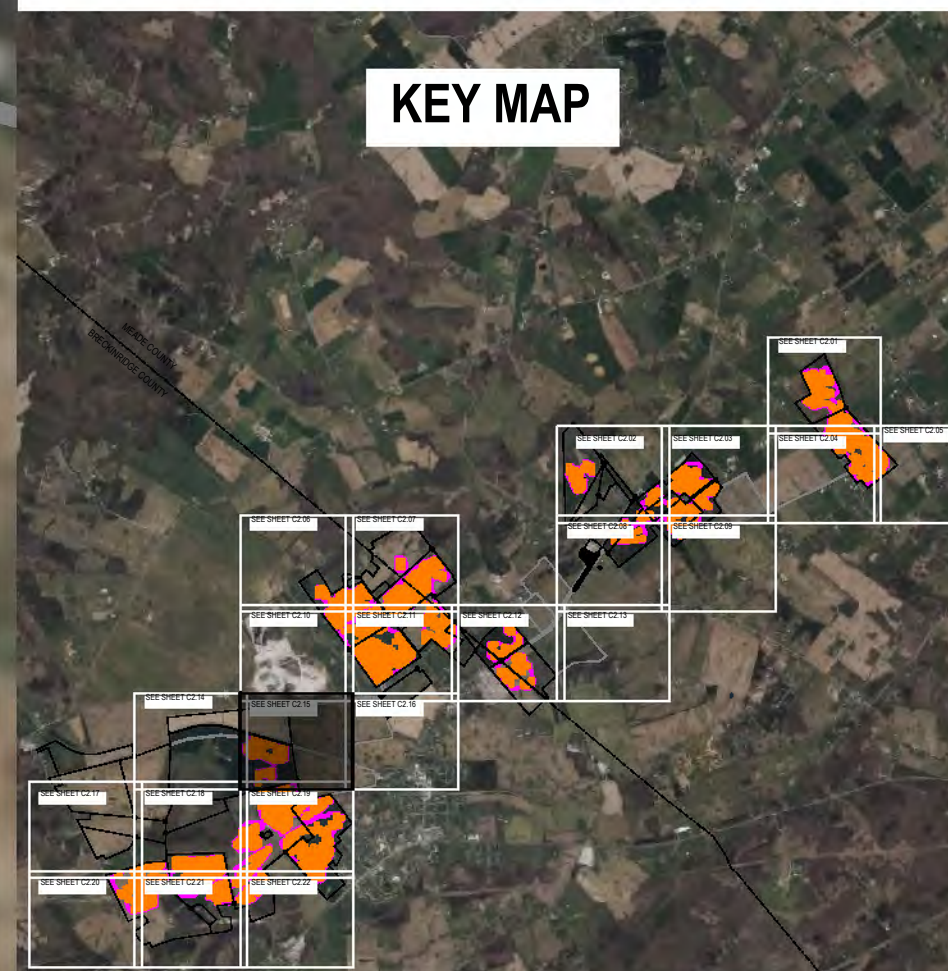
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Date
11-14-2023

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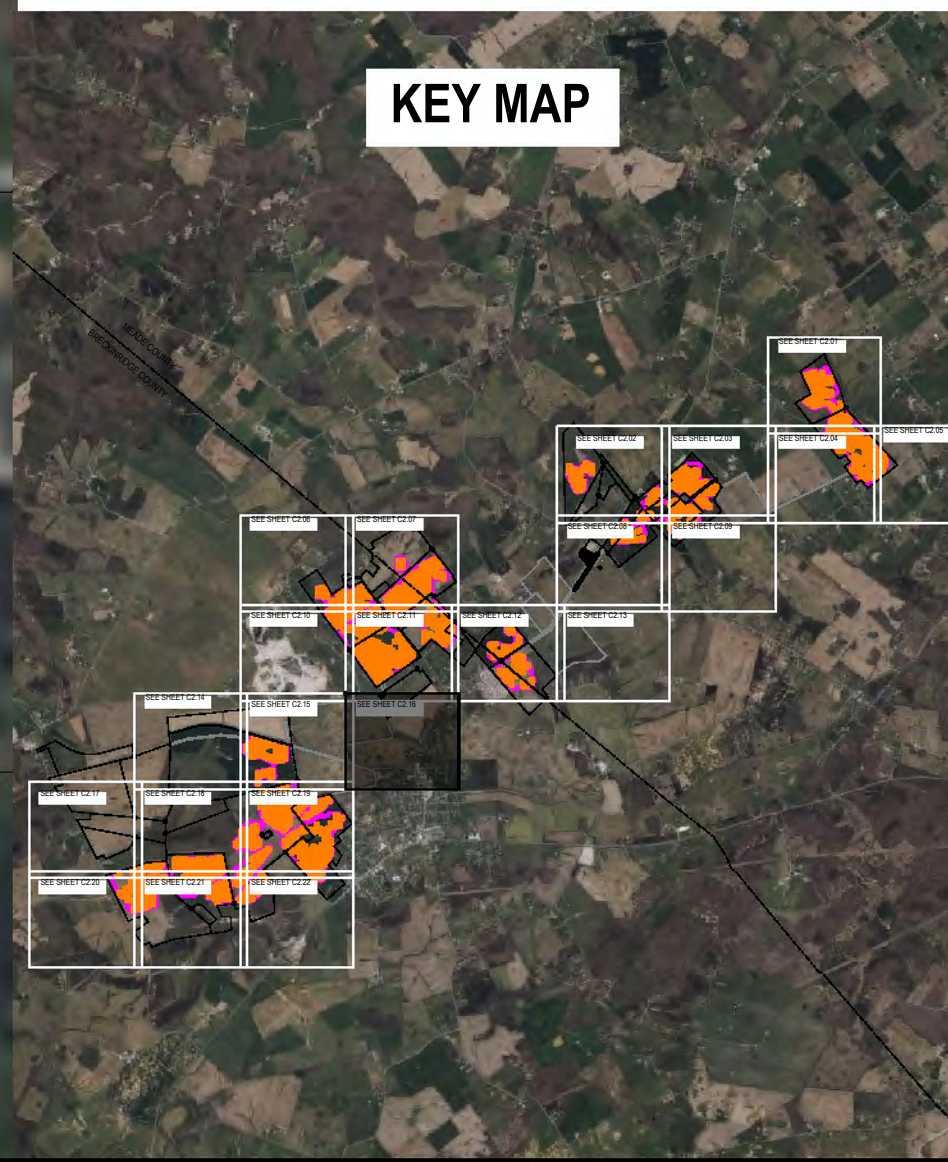
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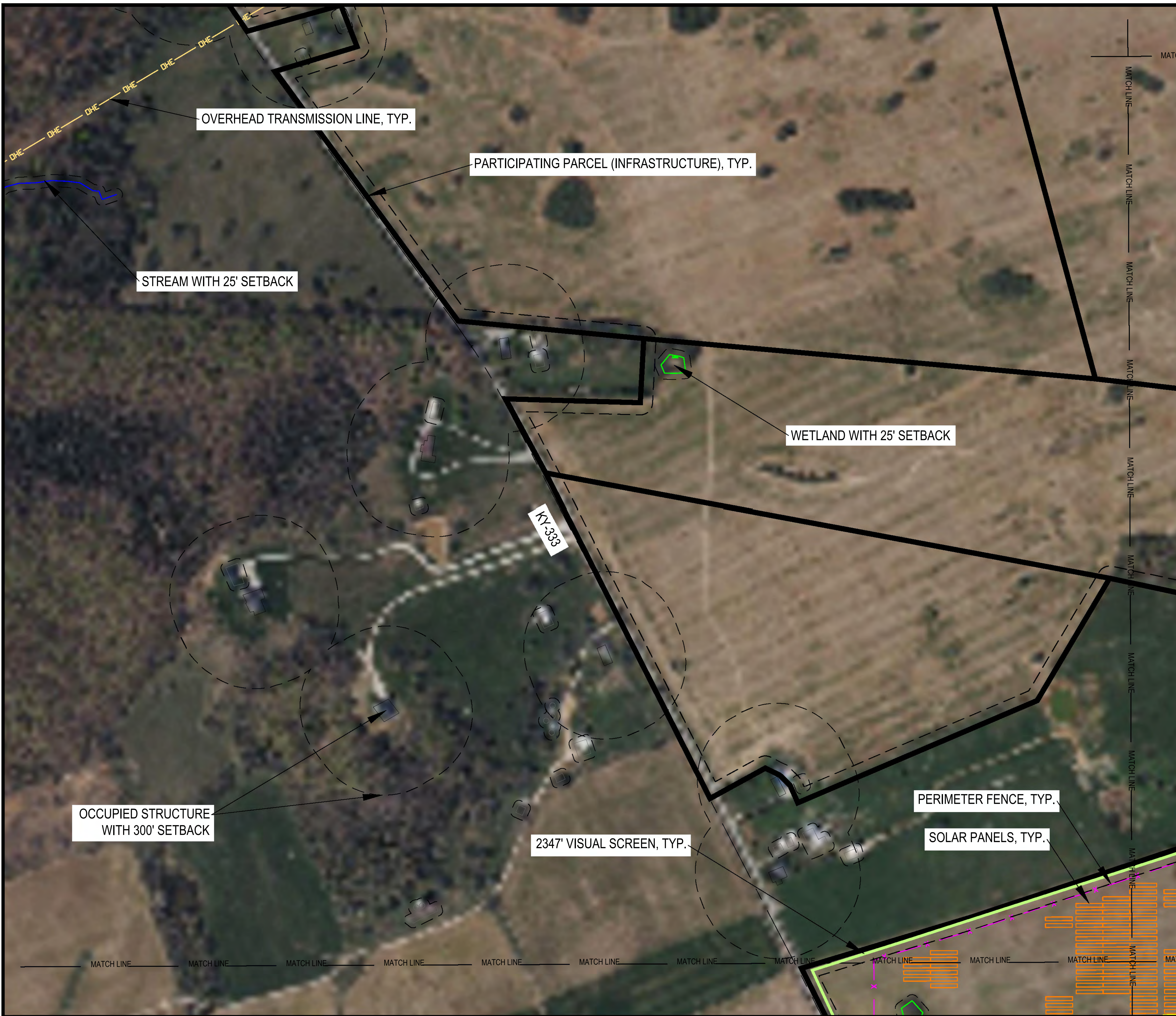


KEY MAP
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 11-14-2023
 Date

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34
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C2.16



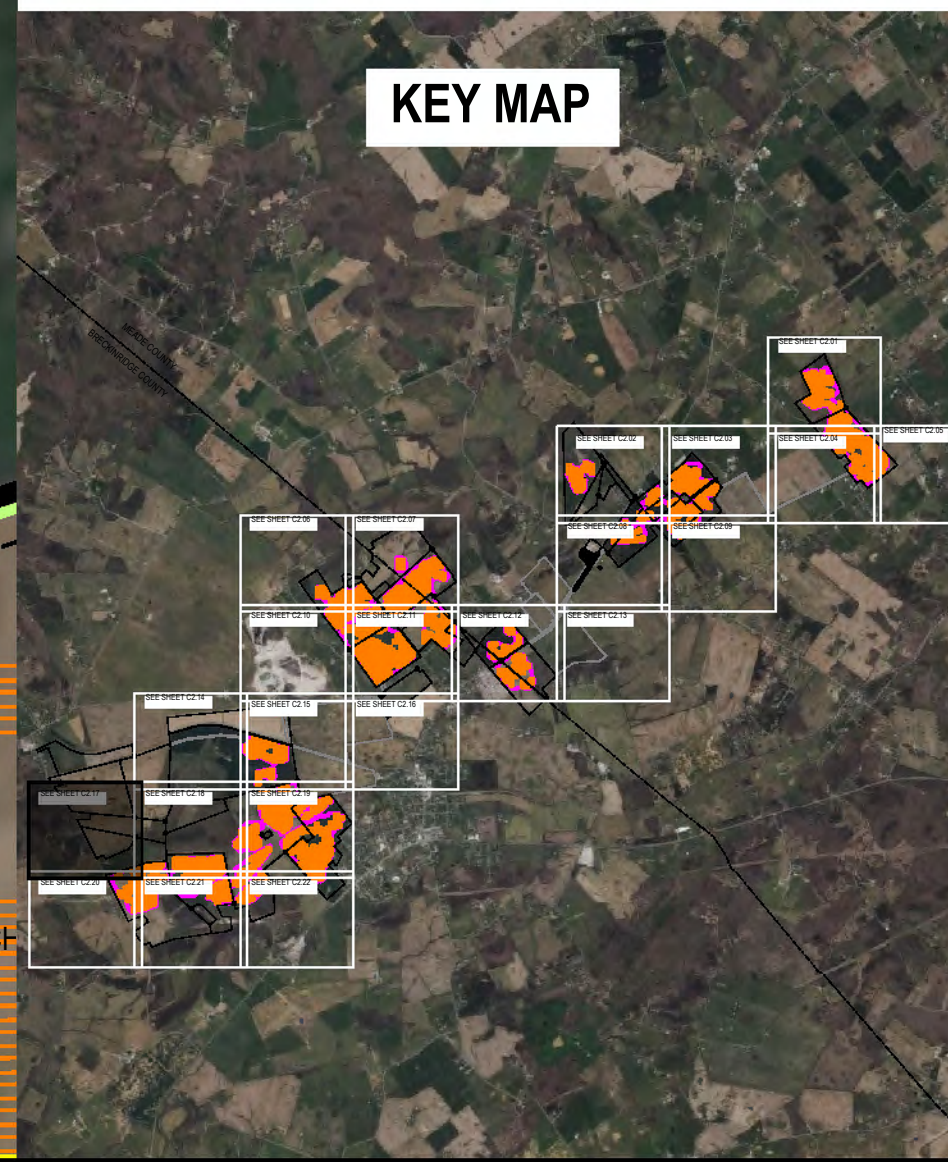
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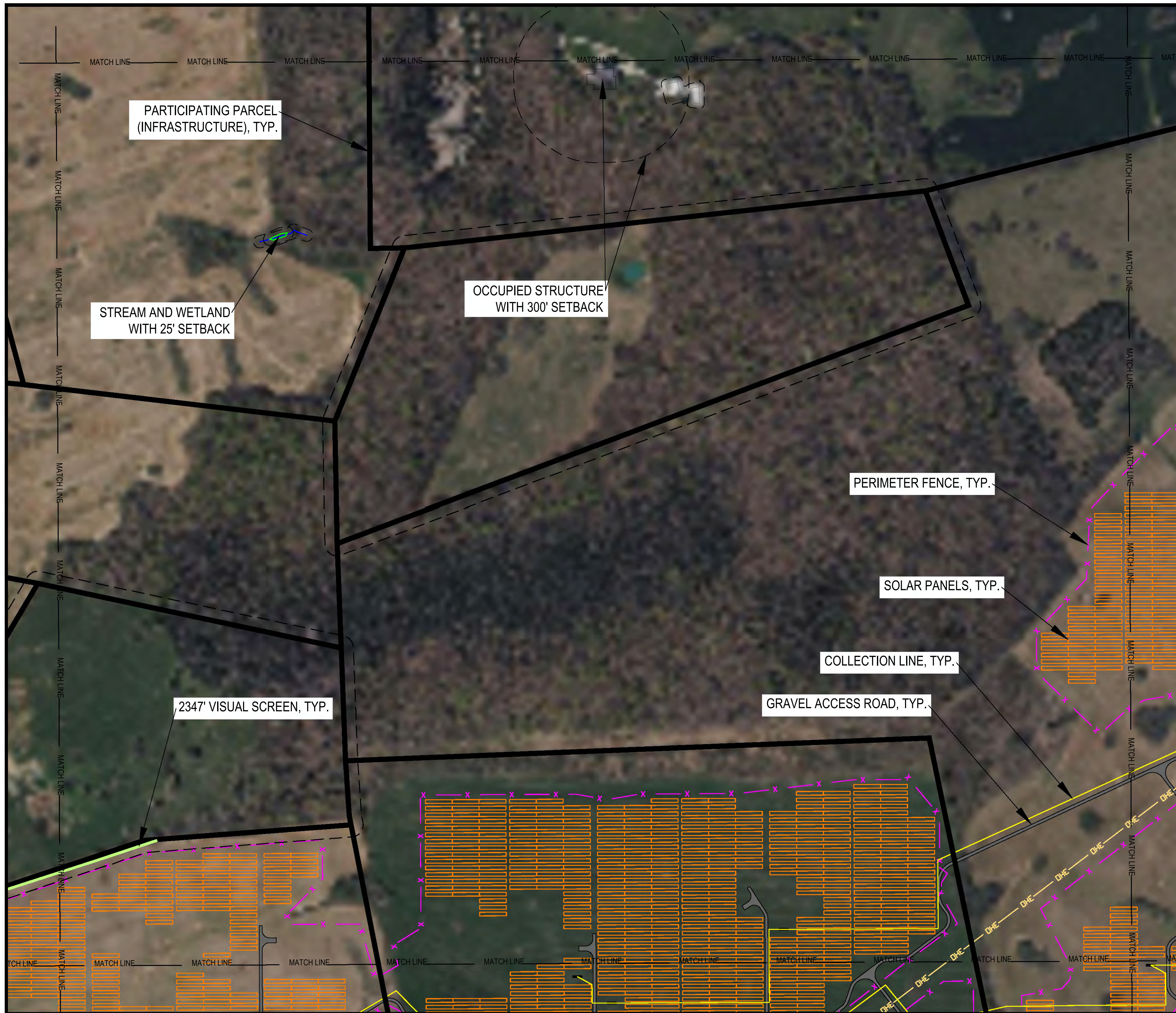
SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

0 100 200 400

C2.17

PROJECT: GREEN RIVER SOLAR MEADE COUNTY, KY; DATE: 11/14/2023; DRAWN BY: MRA; CHECKED BY: BW; APPROVED BY: NEXTERA ENERGY RESOURCES



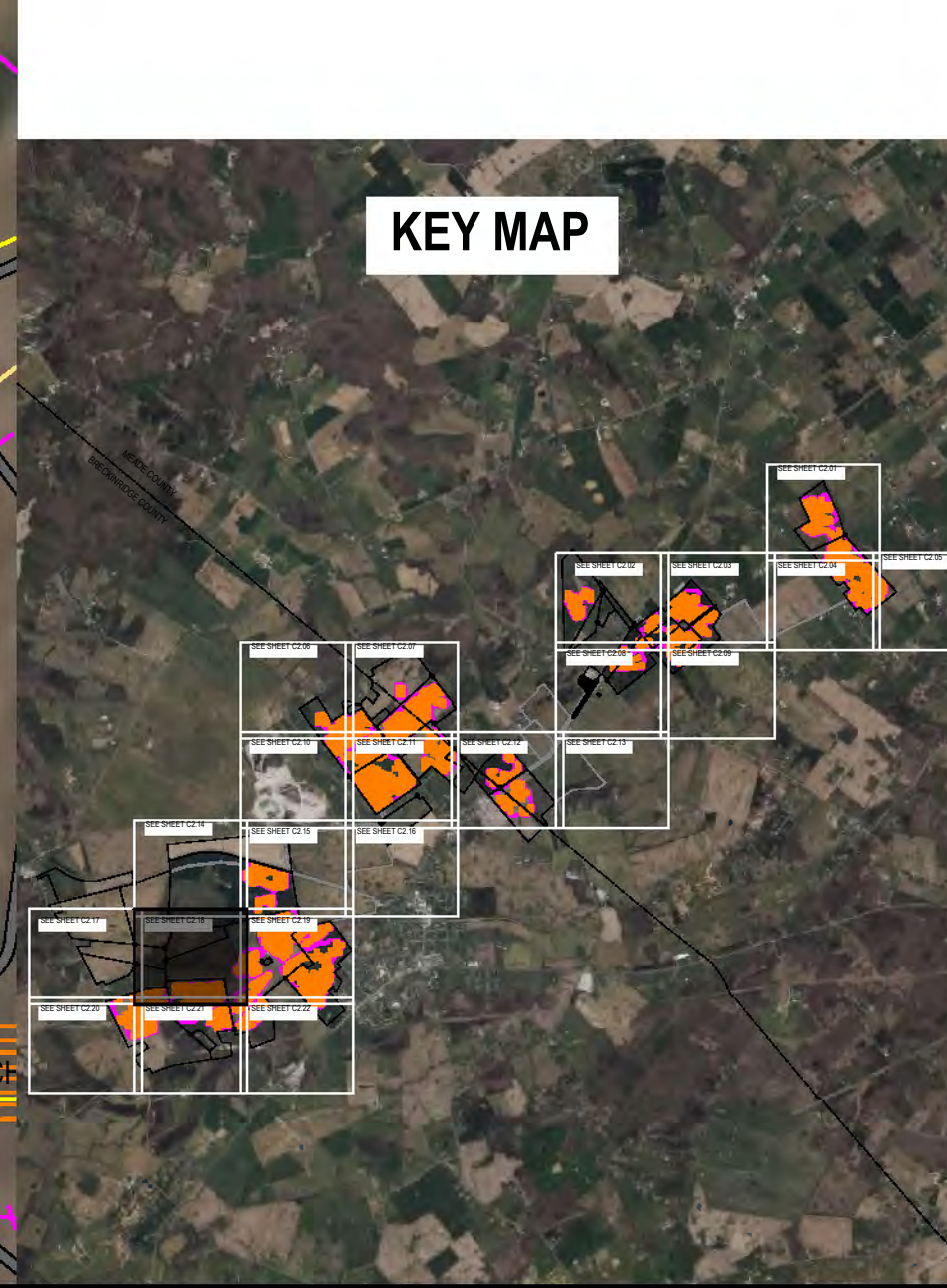
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KEY MAP

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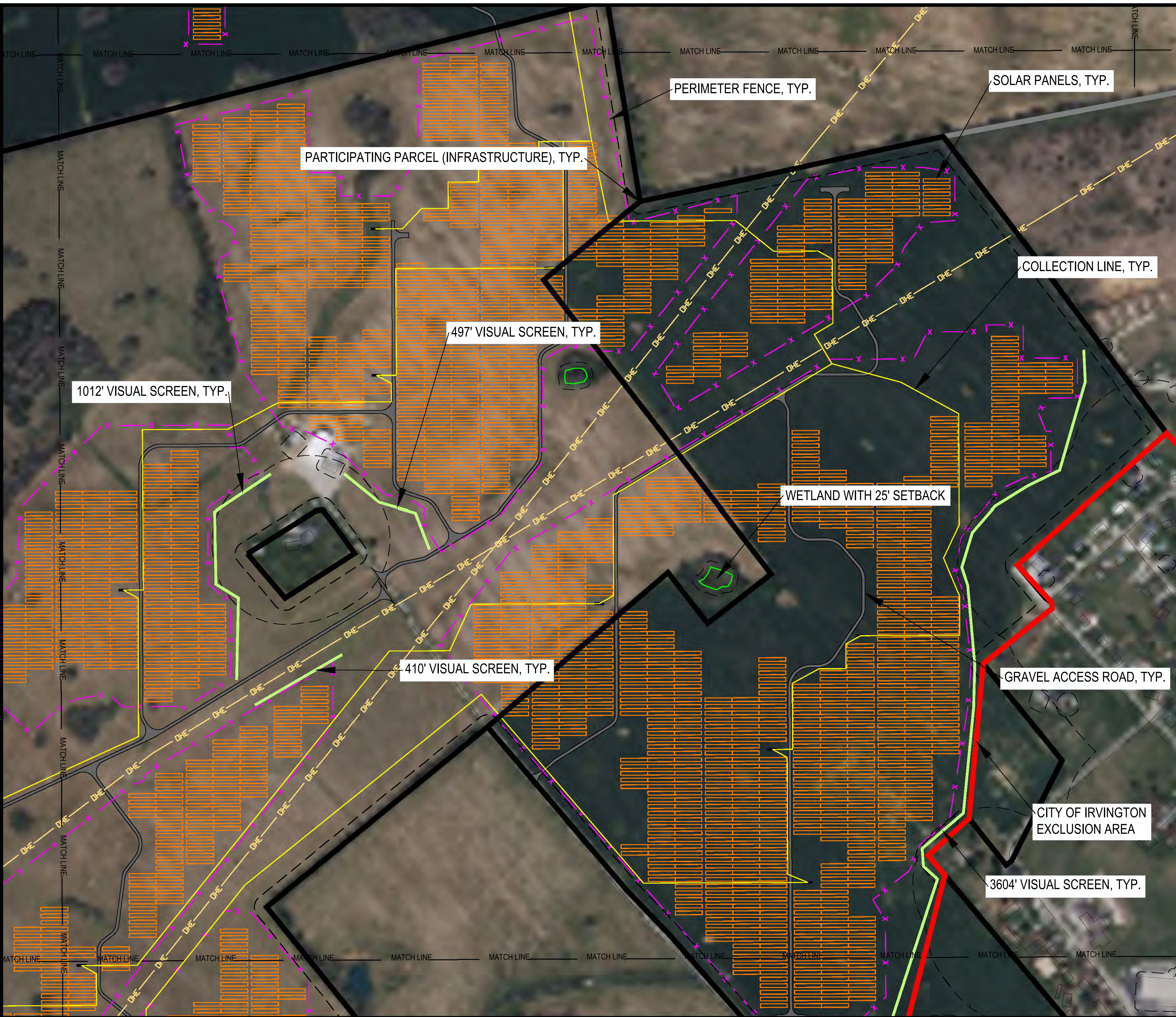
SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

0 100 200 400

C2.18

PRODUCED BY NEXTERA ENERGY FOR GREEN RIVER SOLAR MEADE COUNTY, KY. RESUBMITTAL 3. DATE: 11/14/2023.



LEGEND

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- SETBACK
- COUNTY LINE
- CITY OF IRVINGTON EXCLUSION AREA
- EXISTING ROADS
- OVERHEAD ELECTRIC LINE
- COLLECTION LINE
- OCCUPIED STRUCTURE
- UNOCCUPIED STRUCTURE
- EXISTING STREAM
- EXISTING WETLAND
- EXISTING SURFACE WATER
- PROPOSED SOLAR PANELS
- PERIMETER FENCE
- INVERTER
- PROJECT SUBSTATION
- GRAVEL ACCESS ROAD
- POLLINATOR AREA
- VISUAL SCREEN
- CEMETERY

ECT Environmental Consulting & Technology, Inc.
 1408 N. Westshore Blvd., Ste 115
 Tampa, FL, 33607
 Phone: (813) 289-9338
 www.ectinc.com

NEXTERA ENERGY RESOURCES
GREEN RIVER SOLAR
MEADE COUNTY, KENTUCKY

ECT PROJECT No.:	20-0594
DESIGNED BY:	NEXTERA ENERGY RESOURCES
DRAWN BY:	MRA
CHECKED BY:	BW
APPROVED BY:	NEXTERA ENERGY RESOURCES
CONCEPT PLAN	06-25-2021
KY SITING BOARD	07-09-2021
MEADE CO. PLAN	07-13-2021
MEADE CO. PLAN RESUBMITTAL 1	08-11-2021
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MEADE CO. PLAN RESUBMITTAL 2	10-18-2021
KY SITING BOARD RESUBMITTAL 2	11-10-2021
KY SITING BOARD RESUBMITTAL 3	11-14-2023

KEY MAP

CITY OF IRVINGTON EXCLUSION AREA

3604' VISUAL SCREEN, TYP.

DATE: 11-14-2023

SITE EXHIBIT

SCALE: 1" = 200' @ 22 X 34

C2.19

PRODUCED BY THE DESIGNER FOR THE PROJECT GREEN RIVER SOLAR MEADE COUNTY, KENTUCKY. PLAN C2.19. DATE 11-14-2023.



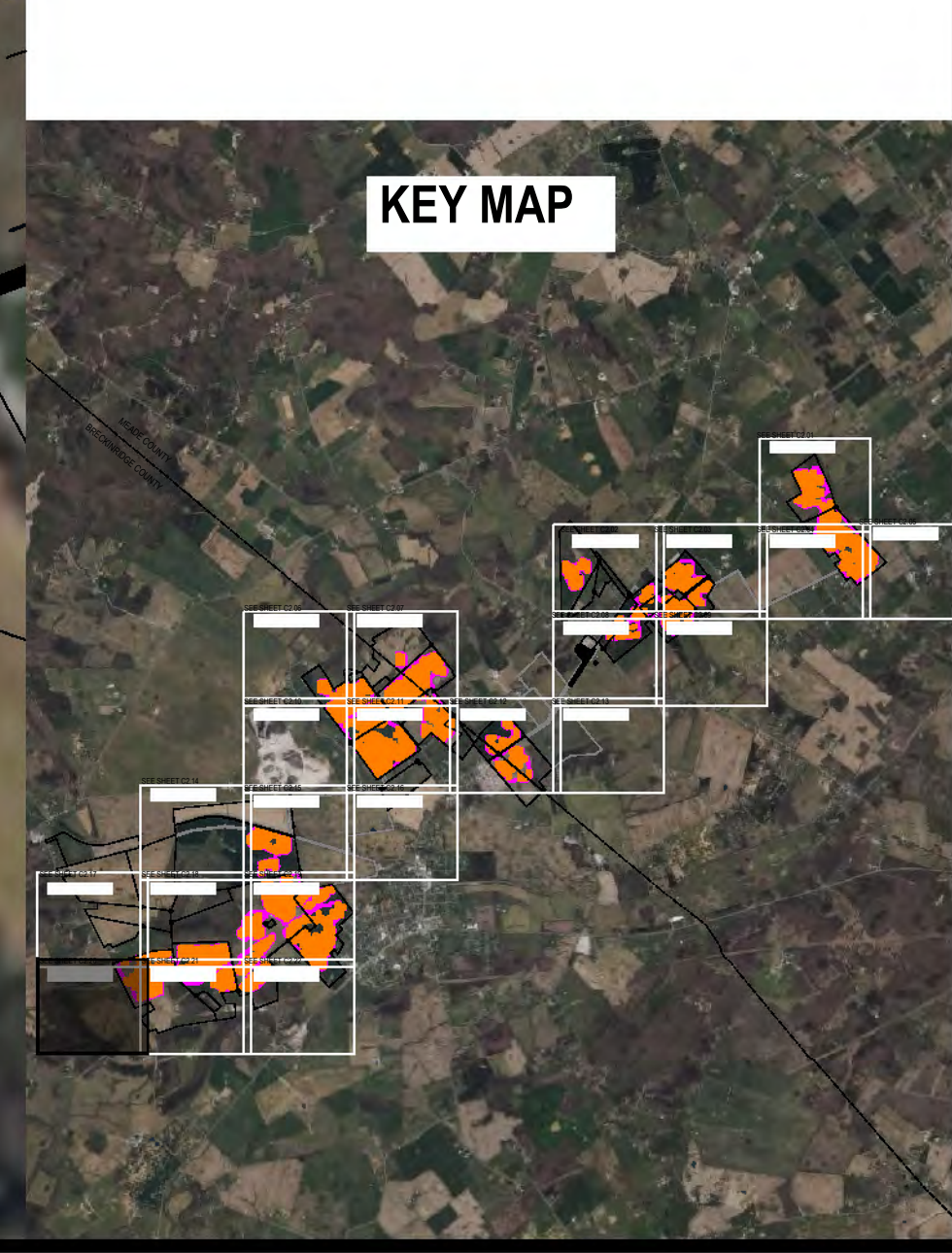
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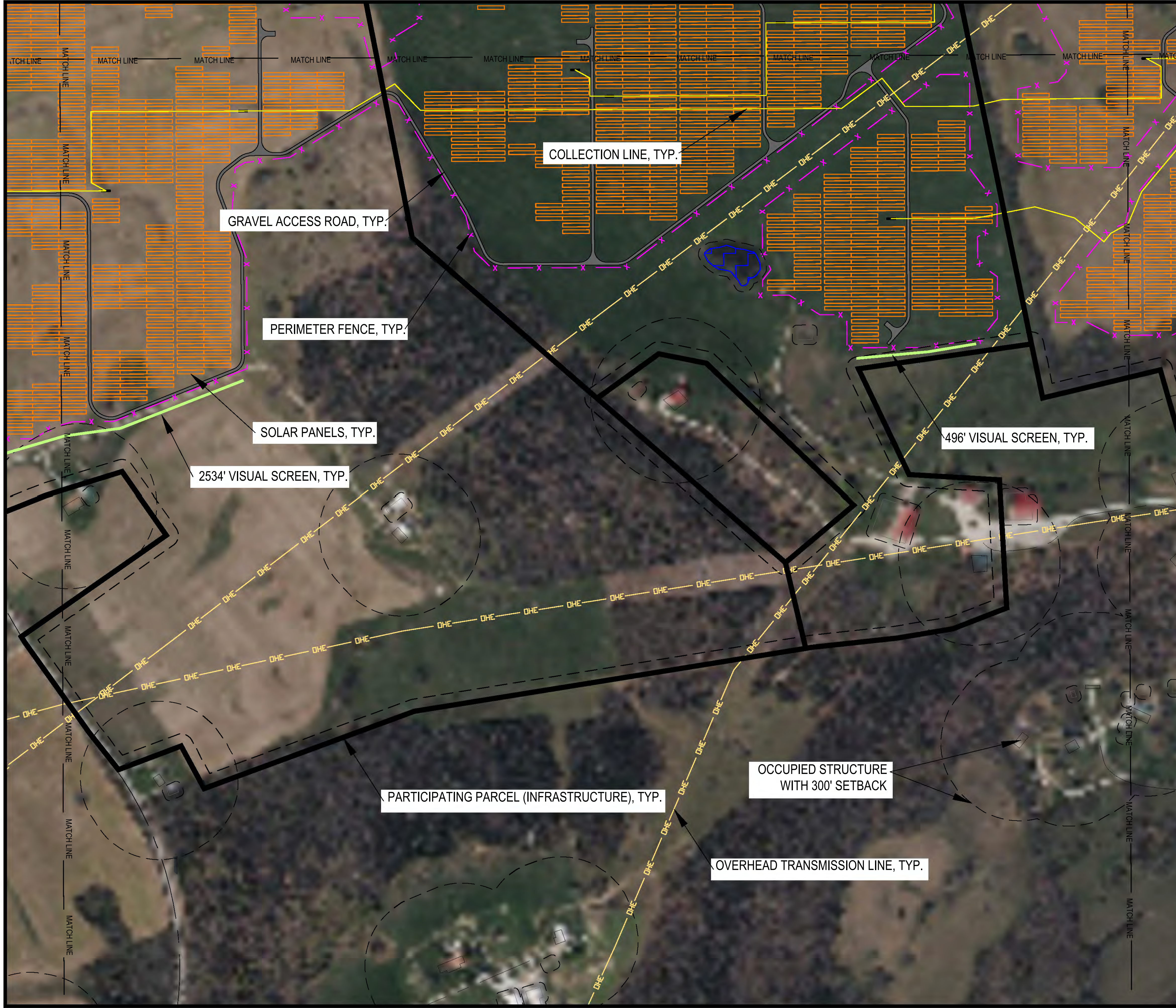


TBD
 11-14-2023
 Date

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C2.20



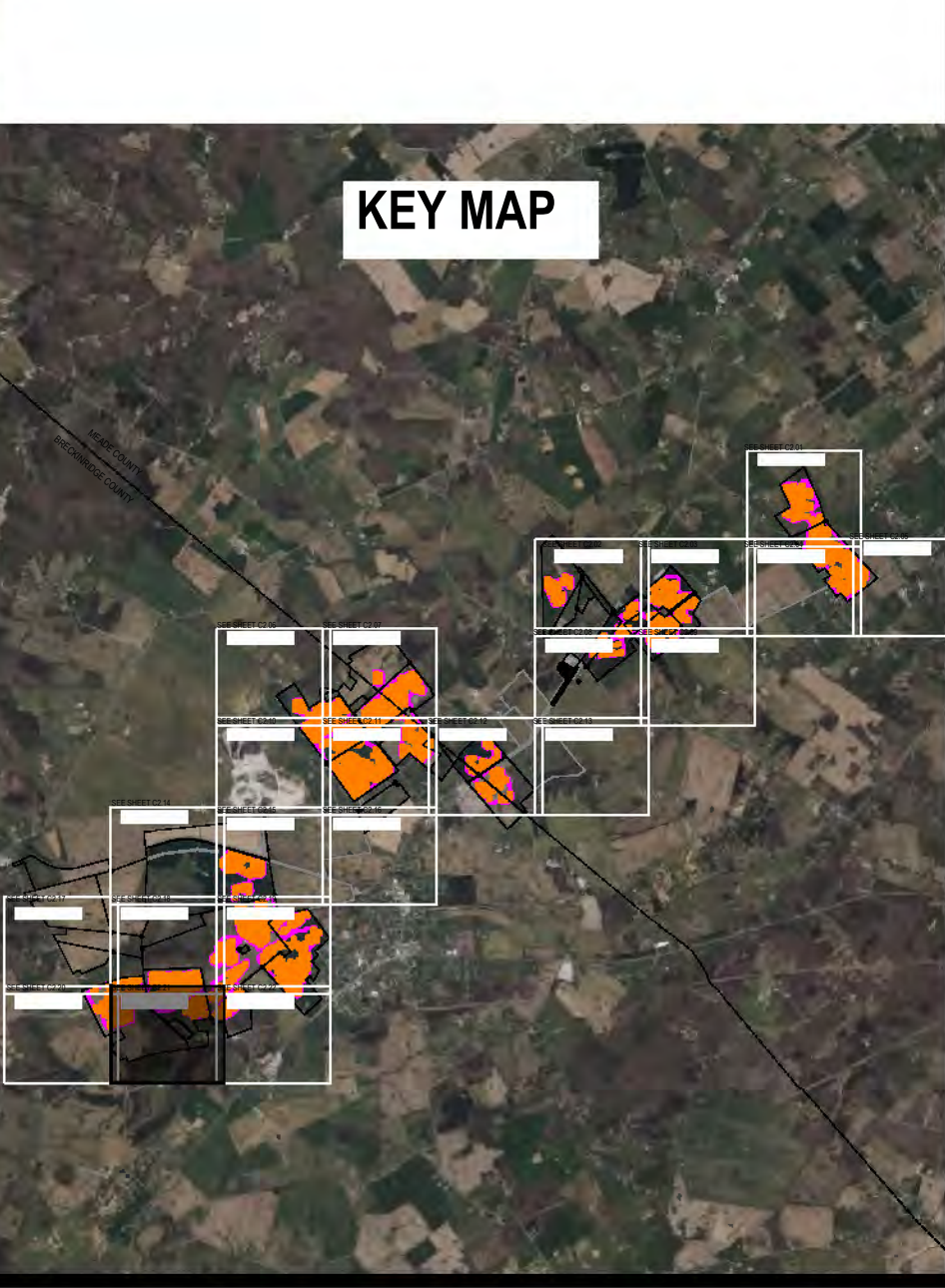
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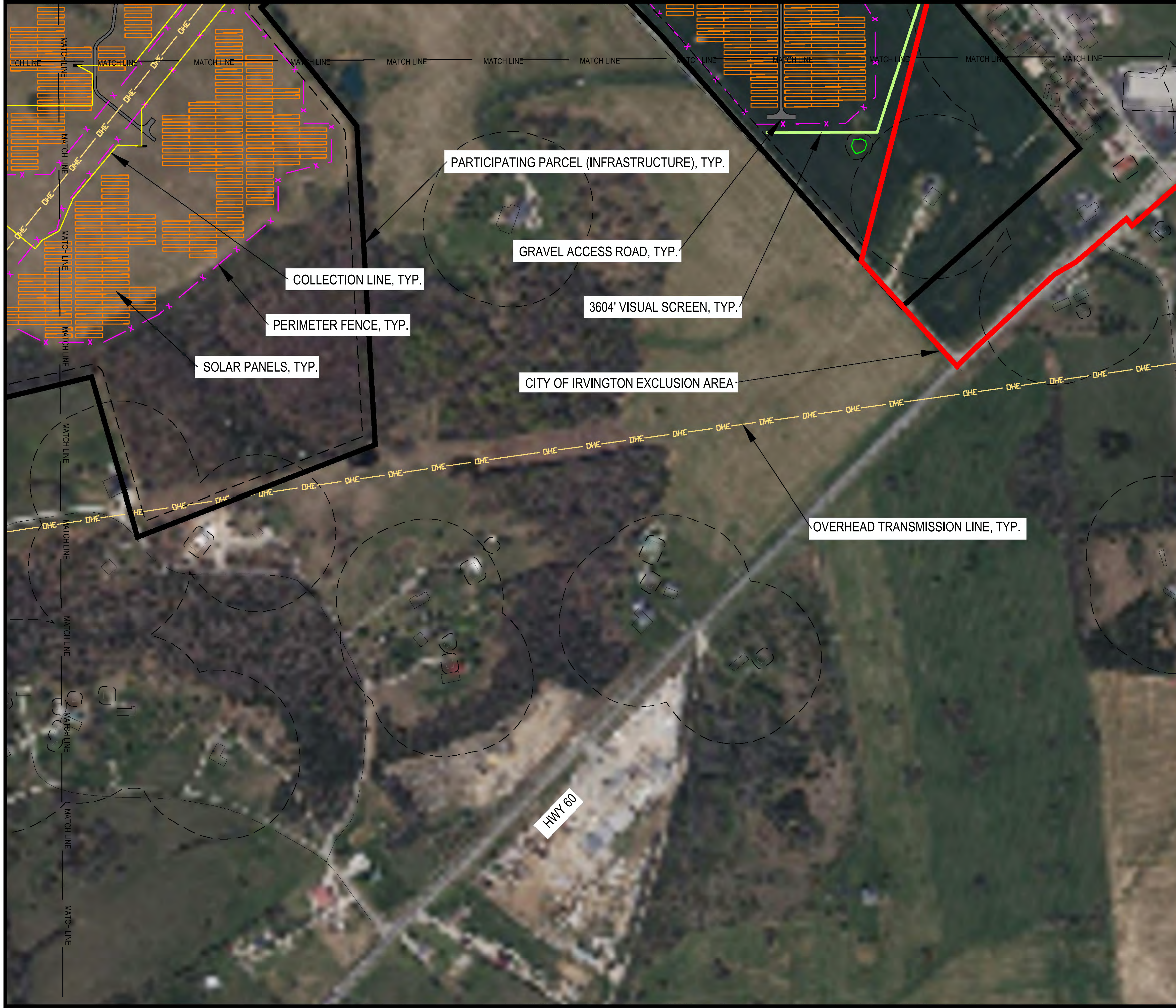
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C2.21



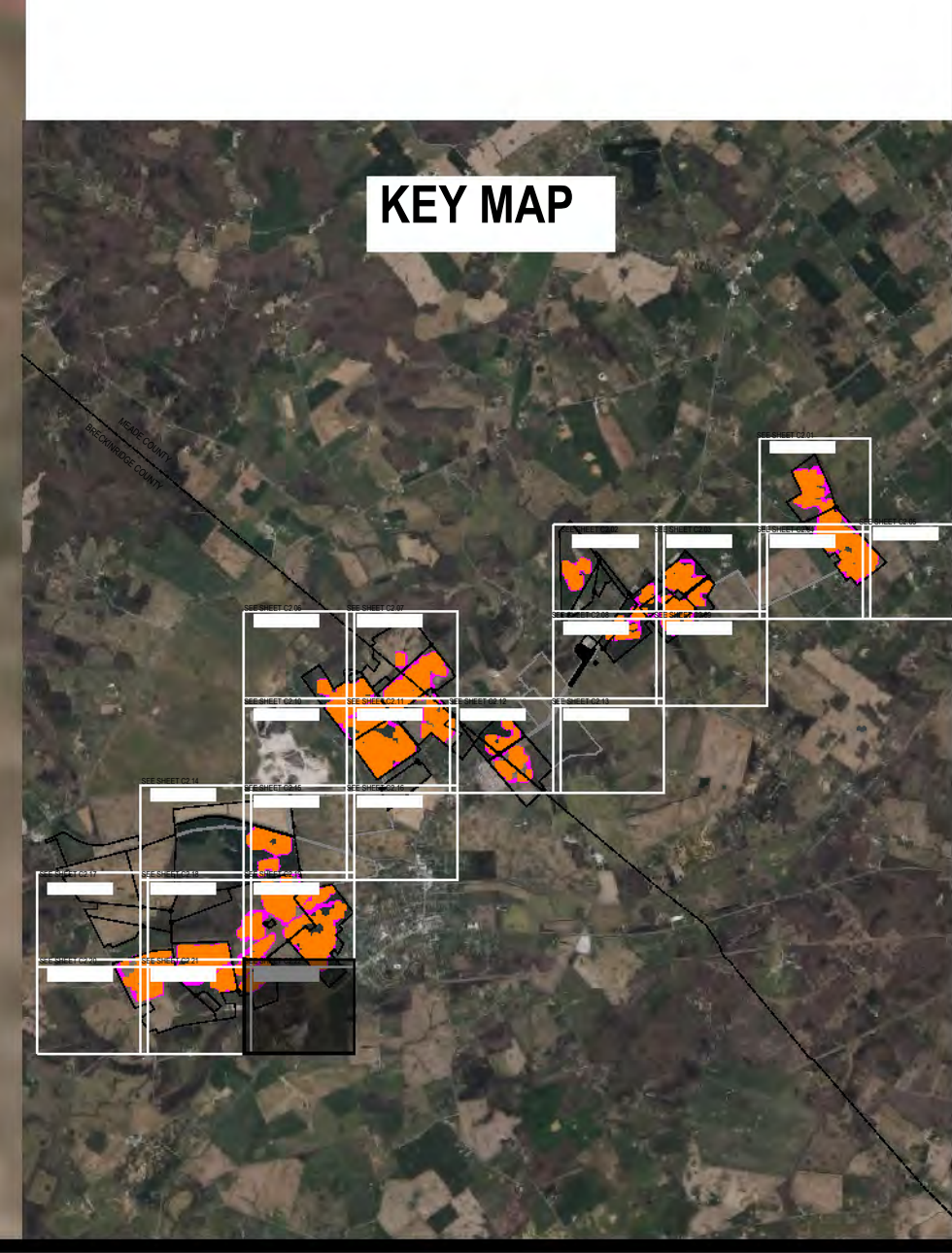
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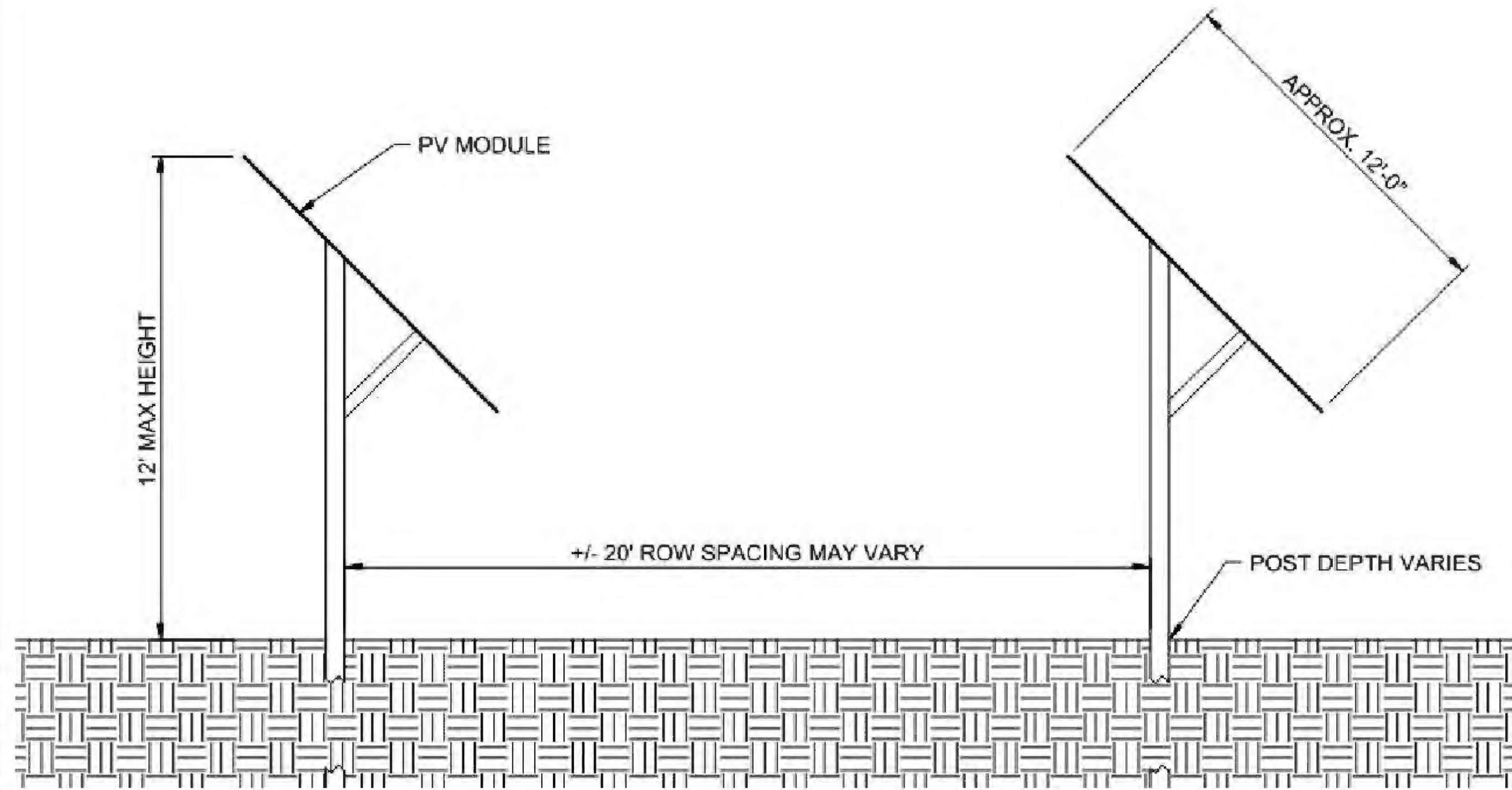
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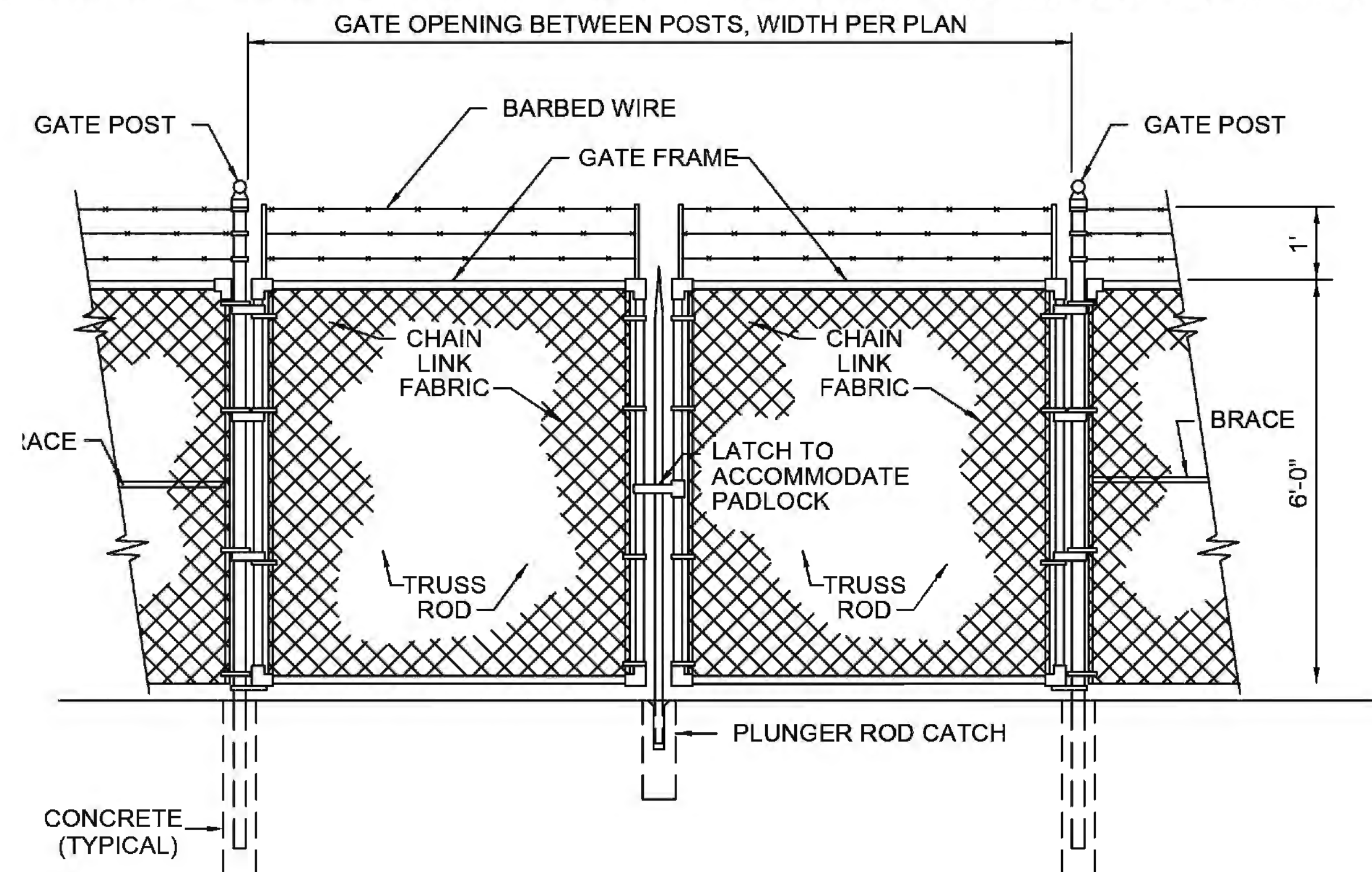
TBD
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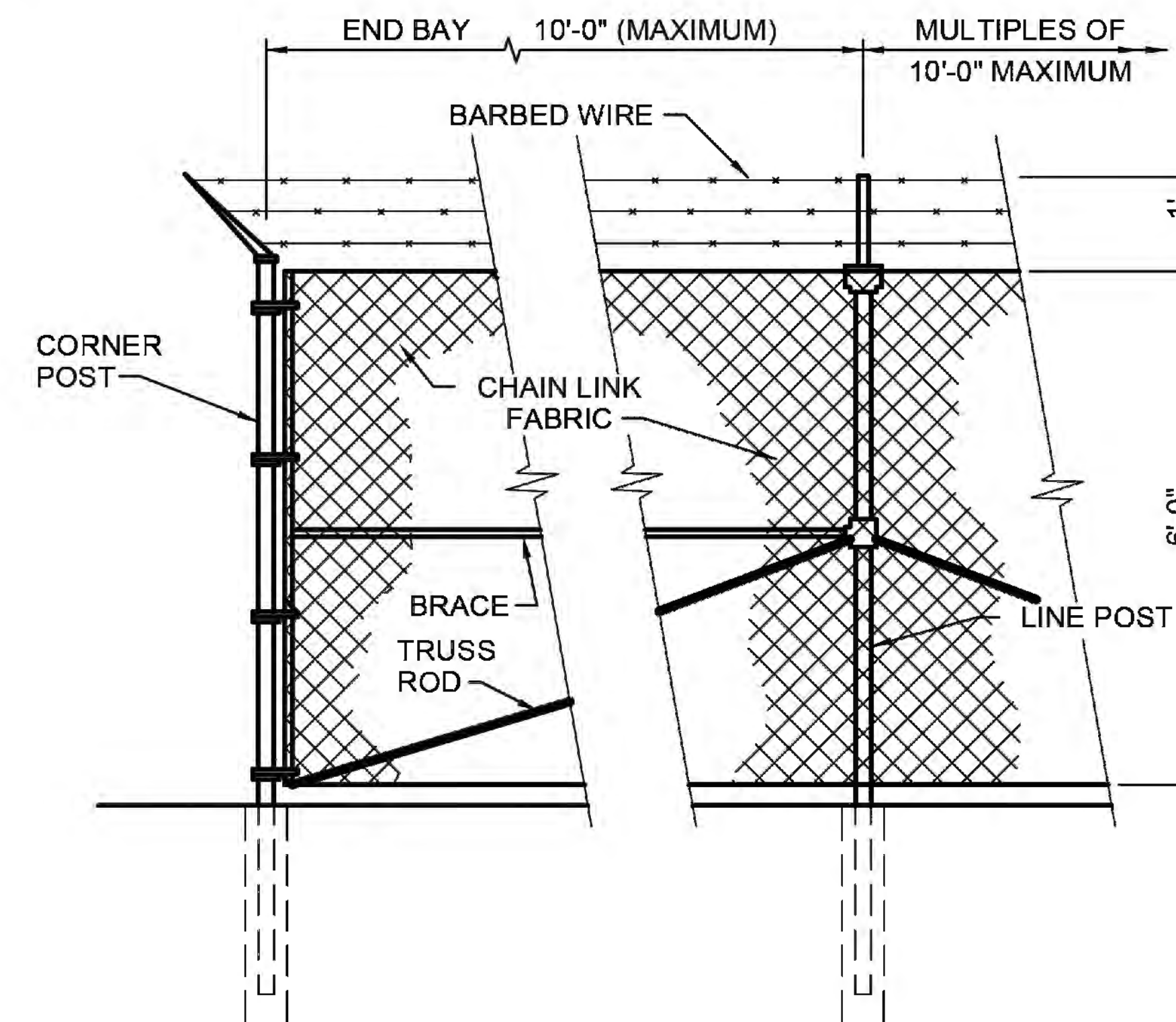
SCALE: 1" = 200' @ 22 X 34
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1. DETAILS ON THIS DRAWING ARE CONCEPTUAL ONLY.
2. FOUNDATION AND EQUIPMENT CONFIGURATION SUBJECT TO CHANGE DURING DETAILED DESIGN.
3. PILE EMBEDMENT DEPTH VARIES ON GEOTECHNICAL STUDY RESULTS AND STRUCTURAL DESIGN.
4. ACTUAL OPTIMAL DIMENSIONS MAY DEPEND ON SPECIFIC CONDITIONS OF THE SITE.



DOUBLE SWING GATE DETAIL
NOT TO SCALE



SECURITY FENCE DETAIL
NOT TO SCALE

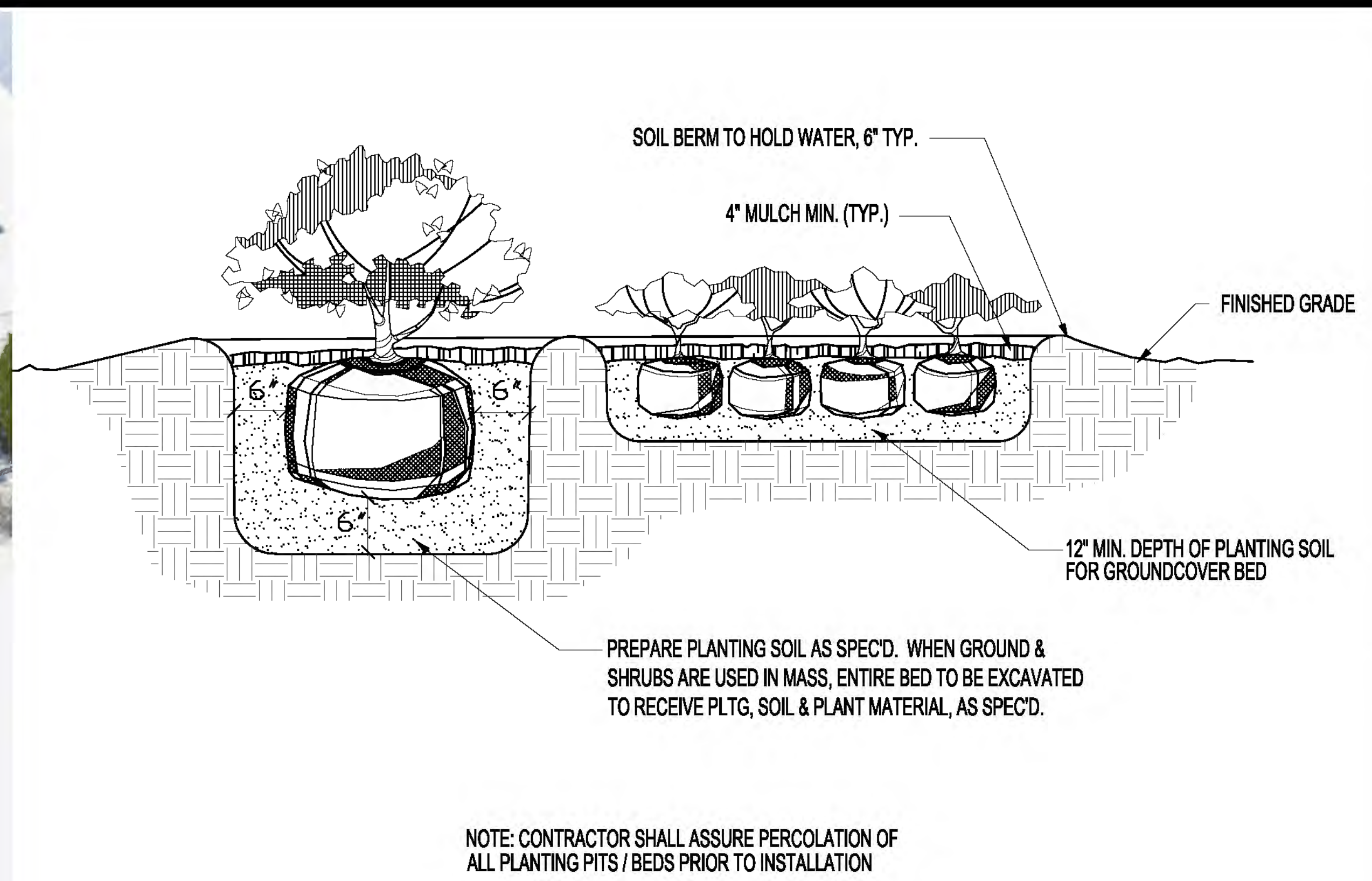
ECT PROJECT No.:	20-0584
DESIGNED BY:	NEXTERA ENERGY RESOURCES
DRAWN BY:	MRA
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APPROVED BY:	NEXTERA ENERGY RESOURCES
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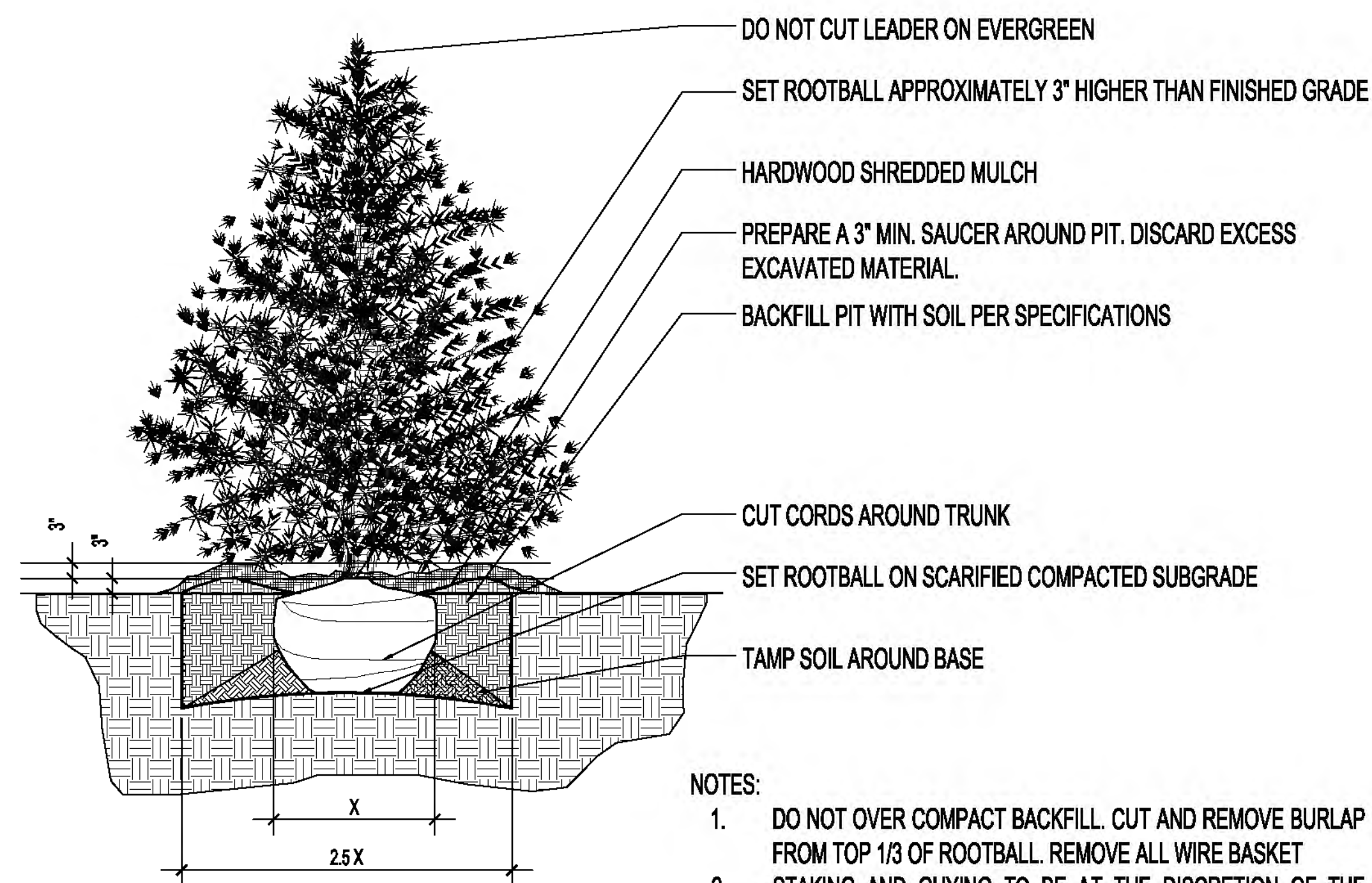
CONSTRUCTION
DETAILS



LANDSCAPE ILLUSTRATION



SHRUB AND GROUNDCOVER DETAIL



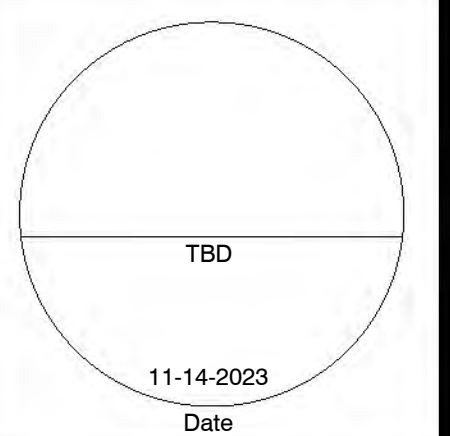
EVERGREEN PLANTING DETAIL

Table 1. Potential Evergreen and Deciduous Species Utilized by the Proposed Project

Type	Species	Scientific Name
Coniferous Trees and Shrubs	White Pine	<i>Pinus strobus</i>
	Virginia Pine	<i>Pinus virginiana</i>
	Red Cedar	<i>Juniperus virginiana</i>
	Common Juniper*	<i>Juniperus communis</i>
	Eastern Hemlock	<i>Tsuga canadensis</i>
Broadleaf Small Trees and Shrubs	Serviceberry	<i>Amelanchier spp.</i>
	Dogwood	<i>Cornus spp.</i>
	Winterberry	<i>Ilex spp.</i>
	Chokecherry	<i>Prunus virginiana</i>
	Ninebark	<i>Physocarpus opulifolius</i>
	Sumac	<i>Rhus spp.</i>
	Viburnum	<i>Viburnum spp.</i>
	Redbud	<i>Cercis canadensis</i>

* an upright growing habitat cultivar

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LANDSCAPE ILLUSTRATION

ATTACHMENT B

November 10, 2023

**Kentucky Electric Generation and Transmission Siting Board (KYSB)
Final Order Mitigation Measure #1
Submittal Final Site Plan
Green River Solar Project
KY PSC Case No. 2020-00387
Meade and Breckinridge Counties, Kentucky**

Environmental Consulting & Technology, Inc., (ECT) was contracted by Green River Solar, LLC (Green River Solar) to assist in the preparation of the final site plans for the Green River Solar Project (Project). The Project is located in Meade and Breckinridge Counties, Kentucky, near Irvington, KY. The Project purpose is to construct a 200-megawatt alternating current ("MW AC") solar energy system (SES) to provide clean, renewable electricity.

In accordance with the KYSB Final Order Mitigation Measure #1 for Case Number 2020-00387, Green River Solar is submitting a final site layout plan for the Project. As part of this submittal, ECT has prepared a short memo documenting the material changes to the Project infrastructure since the last updated site plans were submitted to the KYSB in November 2021 during a post-hearing data request.

Sincerely,

Environmental Consulting & Technology, Inc.

Beth Wilburn

Beth Wilburn
Senior Project Manager

1.0 Overview of Kentucky Electric Generation and Transmission Siting Board Case

Green River Solar submitted an electronic application for a certificate to construct an approximately 200-MW merchant solar electric generating facility in Meade and Breckinridge Counties, Kentucky in June 2021 under Case Number 2020-00387.

2.0 Site Plan Comparison

Below is a table that highlights the material changes between the Green River Solar permitted site plans dated November 2021 and the attached final site plans from November 2023.

Table 1. Permitted Green River Site Plan and November 2023 Site Plan Comparison

	November 2021 Site Plans (Permitted Site Plans)		November 2023 Site Plans (Final Site Plans)		KYSB Applicable Mitigation Conditions	Applicable County Mitigation Conditions
	Project Infrastructure	Closest Receptor (feet)	Project Infrastructure	Closest Receptor (feet)		
Number of central inverters	92	246	51	Meade - 550	450-foot setback from receptors	250-foot setback from receptors
				Breckinridge - 650		300-foot setback from receptors
Number of PV panels	800,000	208	525,860	Meade - 275	150-foot setback from receptors	250-foot setback from receptors
				Breckinridge - 319		300-foot setback from receptors
Linear feet of fence	190,000	90	146,688	Meade - 251	None	250-foot setback from receptors
				Breckinridge - 300		300-foot setback from receptors
Linear feet of access roads	110,000	NA	78,535	NA	None	None
Access road entrances	10	NA	13	NA	NA	NA
Project Limits of Disturbance (LOD) acreage (fenced array areas and access roads outside fenced array areas)	1,100	NA	1,100	NA	NA	NA

As noted in **Table 1**, there are 41 less central inverters based on the final site plans. Based on review of the November 2021 site plans, the closest mapped receptor (residence, church, or school) to an inverter was 246 feet.

In accordance with the KYSB Final Order Mitigation Measure #17, Green River Solar did not place central inverters closer than 450 feet from a residence, church, or school. Based on review of the November 2023 site plans, the closest mapped receptor to an inverter is now 550 feet in Meade County and 650 feet in Breckinridge County. These metrics also conform to the Meade County Solar Ordinance setback that dictates that all solar panels, transformers, inverters, and substations shall be located at least 250 feet from any residential structure and also conforms to the Breckinridge County Solar Ordinance setback that dictates that all components of the solar energy system (SES) shall be located at least 300 feet from any residential structure.

The updated November 2023 site plans show the closest receptor to an inverter approximately 304 feet further away than in the November 2021 site plans. Due to the increased distance between the inverter and closest receptor, Green River Solar anticipates that the noise levels associated with both construction and operation activities at the closest receptor will be less than the original dBA levels calculated at the closest receptor for the permitted site plans.

As noted in **Table 1**, there are less panels based on the final site plans. Based on review of the November 2021 site plans, the closest mapped receptor (residence, church, or school) to a PV panel was 208 feet. Note that the KYSB Final Order Mitigation Measure #17 dictates that no solar panels shall be placed closer than 150 feet from a residence, church, or school, 25 feet from a non-participating adjoining parcel, or 50 feet from adjacent roadways. However, the Meade County Solar Ordinance dictates a larger setback of 250 feet from receptors for all solar panels, transformers, inverters, and substations and Breckinridge County Solar Ordinance dictates a larger setback of 300 feet from receptors for all SES components. The county solar ordinances also dictate a larger setback of 50 feet from non-participating adjoining parcels.

Based on review of the November 2023 site plans, the closest mapped receptor to a PV panel is 275 feet in Meade County and 319 feet in Breckinridge County. During review of the entire Project, the closest mapped non-participating parcel line is mapped approximately 50 feet from a PV panel and the closest mapped adjacent edge of road is mapped approximately 70 feet from a PV panel. The updated November 2023 site plans show the closest receptor to an inverter approximately 67 feet further away than in the November 2021 site plans. Due to the increased distance between the PV panel and closest receptor, Green River Solar anticipates that the noise levels associated with both construction and operation activities at the closest receptor will be less than the original dBA levels calculated at the closest receptor for the permitted site plans.

As noted in **Table 1**, there are 43,312 less linear feet of fence based on the final site plans. Based on review of the November 2021 site plans, the closest mapped receptor (residence, church, or school) to a fenced array area (measured to the fence line) was 90 feet. The November 2023 site plans show the closest mapped receptor to a fenced array area is 251 feet in Meade County and 300 feet in Breckinridge County. This metric conforms to the Meade County setback that dictates that all SES equipment shall be located at least 250 feet from any residential structure and the Breckinridge County setback that dictates that all SES equipment shall be located at least 300 feet from any

residential structure. The KYSB Final Order Mitigation measures do not dictate a setback for the fence component of a solar facility.

As noted in **Table 1**, there are 31,465 less linear feet of access road based on the final site plans. Note that there are 13 access road entrances from public right-of-way (ROW) based on the final site plans, which is three (3) more access road entrances than the permitted site plans. These entrances are mapped along the same roads as the permitted site plans, which are comprised of both state routes and local arterial roads.

Green River Solar developed visual screening consistent with the updated November 2021 site plans provided as an attachment to the response to the Post-Hearing Request, Item 4, where applicable. Green River Solar also proposed new vegetative buffers in areas of the Project with infrastructure changes to provide visual screening to residences with direct view of the solar facilities and equipment. Green River Solar will follow the conditions applicable to visual screening as outlined in KYSB Final Order Mitigation Measures 8, 9, 10, and 11 and applicable visual screening conditions as outlined in the Meade County Solar Ordinance and Breckinridge County Solar Ordinance.

No substantive changes were made to the Project panel motors, substation, transformers, or other project facilities or infrastructure in the final site plans. Note that in accordance with the Meade County Solar Ordinance, which dictates a setback of at least 250 feet from receptors for all solar panels, transformers, inverters, and substations, the closest mapped receptor to the proposed substation is approximately 500 feet.

3.0 Conclusion

In summary, Green River Solar does not anticipate an increase in impacts from construction or operation of the Project, as the closest receptors to the final site plans inverter and PV panel locations are mapped further from Project infrastructure than in the permitted site plan. The closest receptor to the Project substation and transformers has not changed. The number and location of access roads in the final site plans is comparable to the access road locations identified in the Traffic and Dust Study, prepared by Integrated Engineering/PRIME AE, for the permitted site plans.

Green River Solar has complied with the following KYSB, Meade County, and Breckinridge County mitigations, as pertinent to the site plan development:

- KYSB Final Order Mitigation Measure 1 – Green River Solar is submitting this summary memo to document material changes in the final site plans as attached.
- KYSB Final Order Mitigation Measure 2 – Green River Solar is submitting this summary memo to document project boundary changes since the November 2021 site plans, and represents a smaller project boundary with less impacts.
- KYSB Final Order Mitigation Measure 7 – Green River Solar has conformed to the 50-foot setback from open karst features in the November 2023 site plans.
- KYSB Final Order Mitigation Measure 10 – Green River Solar included visual screening in the final site plans as attached.
- KYSB Final Order Mitigation Measure 11 – Green River Solar included an approximately 2-acre designated pollinator-friendly area in the final site plan.

- KSYB Final Order Mitigation Measure 17 – Green River Solar adhered to the following setbacks:
 - 150-foot setback for PV panels and string inverters from residences, churches, and schools (receptors) – the closest receptor to a PV panel in the final site plan is approximately 275 feet.
 - 25-foot setback for PV panels and string inverters from non-participating adjoining parcels – the closest PV panel to a non-participating parcel line in the final site plan is approximately 50 feet. String inverters are not used for this Project.
 - 50-foot setback for PV panels and string inverters from adjacent roadways – the closest PV panel to the edge of a roadway in the final site plan is approximately 70 feet. String inverters are not used for this Project.
 - 450-foot setback for central inverters from receptors – the closest receptor in the final site plan is approximately 550 feet.
- Meade County solar ordinance conditions state, “All solar panels, transformers, inverters, and substations shall be located at least 250 feet from any residential structure.” Green River Solar has setback PV panels, inverters, and fence line of the array areas at least 250 feet from any receptor at 275 feet, 550 feet, and 251 feet, respectively.
- Meade County solar ordinance conditions also state, “All solar panels, transformers, inverters, and substations shall be located at least 50 feet from the perimeter property lines of the project area ...” Green River Solar has setback PV panels, inverters, and fence line of the array areas at least 50 feet from any non-participating parcel line at 70 feet, 205 feet, and 50 feet, respectively.
- Breckinridge County solar ordinance condition that states, “All components of the SES shall be located at least 300 feet from any residential structure.” Green River Solar has setback PV panels, inverters, and fence line of the array areas at least 300 feet from any receptor at 319 feet, 650 feet, and 300 feet, respectively.
- Breckinridge County solar ordinance conditions also state, “All components of the SES shall be located at least 50 feet from the perimeter property lines of the project area ...” Green River Solar has setback PV panels, inverters, and fence line of the array areas at least 50 feet from any non-participating parcel line at 50 feet, 343 feet, and 50 feet, respectively.