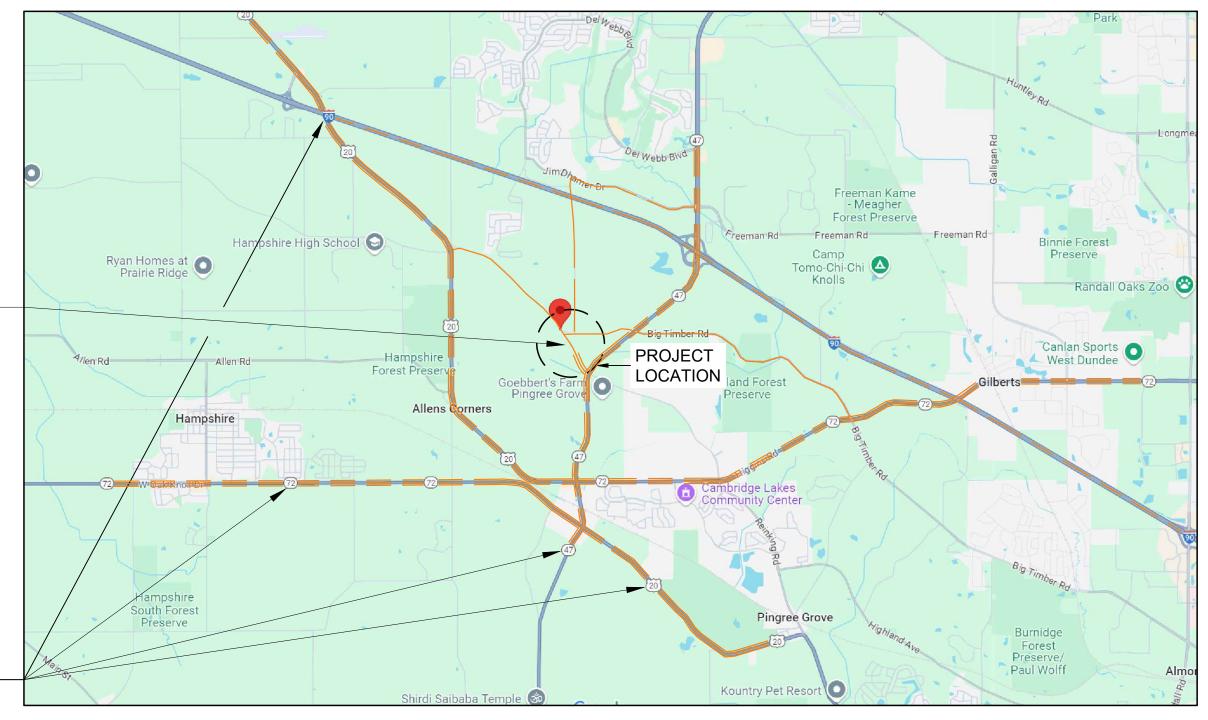
RUTLAND WEST SOLAR FARM, LLC KANE COUNTY, ILLINOIS



SHEET LIST:

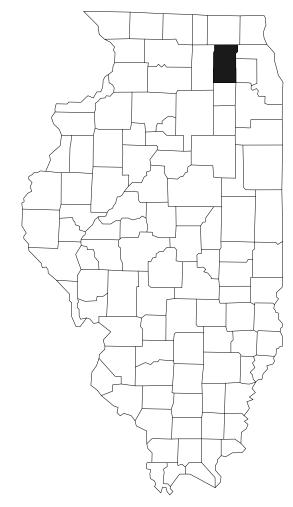
W - DEV . 01 - CP **COVER PAGE**

EXISTING GENERAL CONDITIONS PLAN W - DEV . 02 - EC

NEW POWER FACILITY SITE PLAN W - DEV . 03 - SP CONSTRUCTON DETAILS W - DEV . 04 - CD

FENCE DETAILS W - DEV . 05 - FD

EQUIPMENT SPECIFICATIONS W - DEV . 06 - ES





MECHANICAL SYSTEM: HORIZONTAL TRACKER



SITE INFORMATION

PARCEL ZONING: A-1 AGRICULTURE PROJECT DESCRIPTION PROJECT LOCATION: REINKING RD. & IL-21, HAMPSHIRE, IL 60140 PROJECT PARCEL: 56.09 P.I.N.: 02-19-200-006 02-18-400-009 UTILITY: COMED AC SYSTEM SIZE: 5,000 KW / 5,000 KVA DC SYSTEM SIZE: 7,500 KW AZIMUTH / TILT: 180° / ± 60 GCR: 40% MODULE MODEL: TRINA SOLAR VERTEX 550W TSM-DEG19C20

MODULE WATTAGE: 550 W

INVERTER MODEL: CHINT STRING INVERTER

RUTLAND WEST SOLAR FARM LLC

RUTLAND WEST SOLAR FARM

ISSUED FOR SUP

ISSUED FOR BPLER

ISSUED FOR IX

LEGAL DESCRIPTION OF THE PROJECT SITE IN RELATION TO THE DEVELOPMENT PARCEL SUBMITTED TO KANE COUNTY OF RECORD.

REFER TO DETAIL 1 / W-DEV.06-ES FOR EQUIPMENT SPECIFICATION CUT

REFER TO DETAIL 2 / W-DEV.06-ES FOR EQUIPMENT SPECIFICATION CUT SHEET: STRING INVERTER 125 KWATT (DC) INFORMATION.

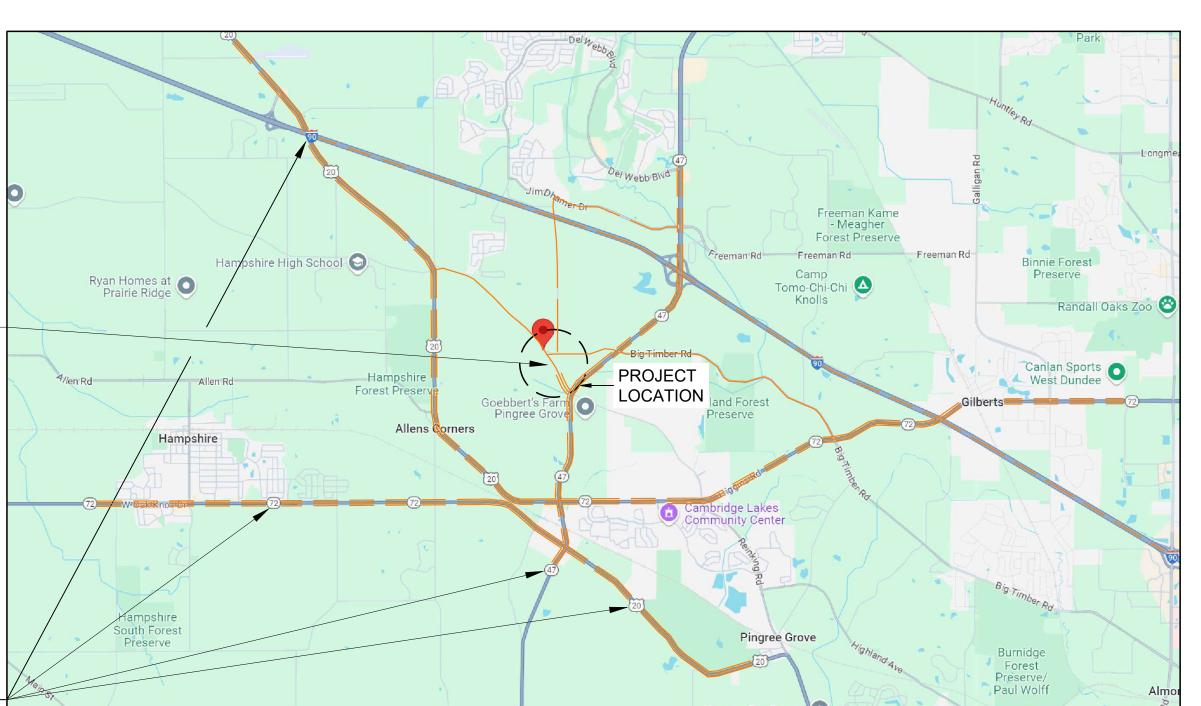
REINKING RD. & IL-21, HAMPSHIRE, IL 60140 KANE COUNTY P.I.N. 02-19-200-006 & 02-18-400-009

CHICAGO, IL 60604 WWW.SURYAPOWERED.COM

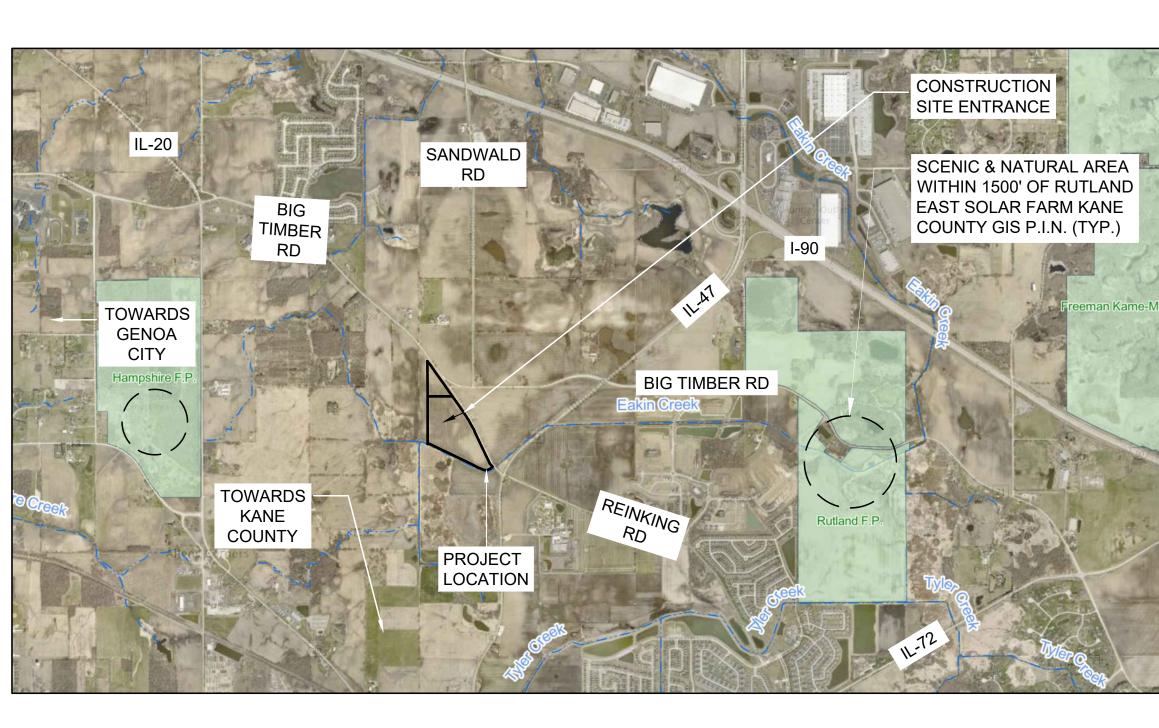
ANATOLIY ZELTSER
PROJECT ENGINEER
SURYA POWERED LLC
RUTLAND WEST SOLAR FARM LLC
141 W. JACKSON BLVD STE 1692

COVER PAGE STATE COUNTY MAP, SATELLITE LOCATION MAP, VICINITY MAP, ROADS, SITE PRELIMINARY INFORMATION

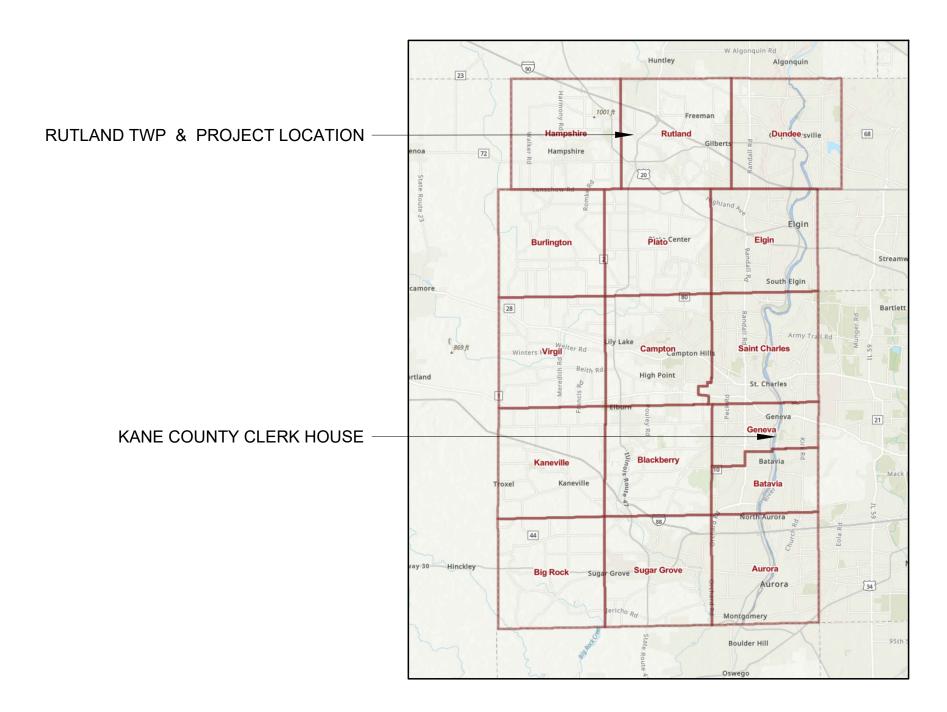
8884 b W - DEV.01 - CP 24" X 36" 01













PROJECT ADDRESS PRIMARY CONSTRUCTION LOGISTICS ROUTE

AT THE SOUTHEAST INTERSECTION OF REINKING ROAD & BIG TIMBER ROAD,

SITE CONSTRUCTION ENTRANCE GATE VIA (IL-47), REINKING ROAD WEST

PARCEL LOCATED NORTH OF (IL-72) HIGGINS ROAD & EAST OF (IL-20) US GRANT MEM HWY ROUTE

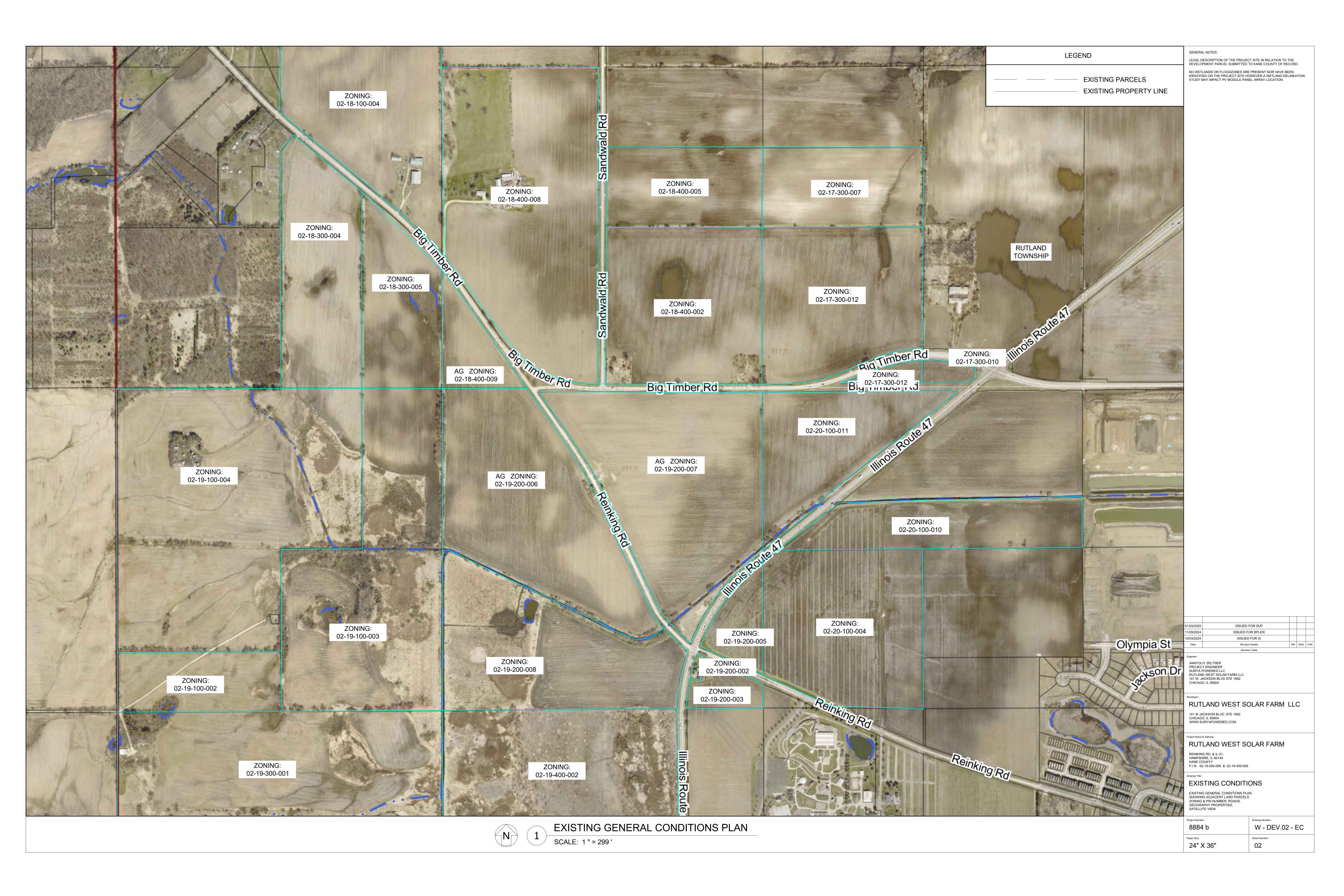
LOCATED NORTH OFF REINKING ROAD, SOUTH OF BIG TIMBER ROAD & NORTH OF IL-47, ON WEST SIDE.

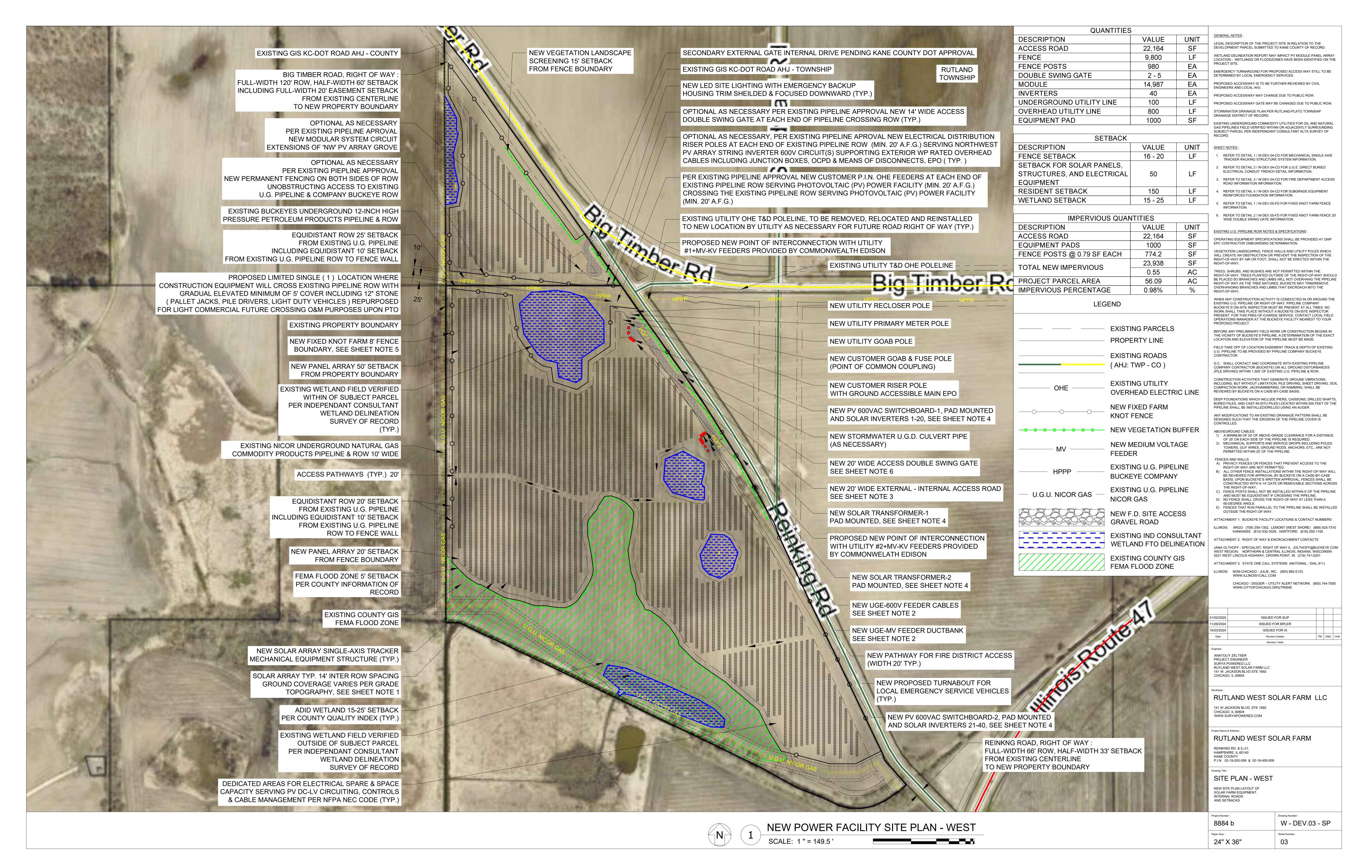
HEADING NORTH/SOUTH WEST/EAST TOWARDS

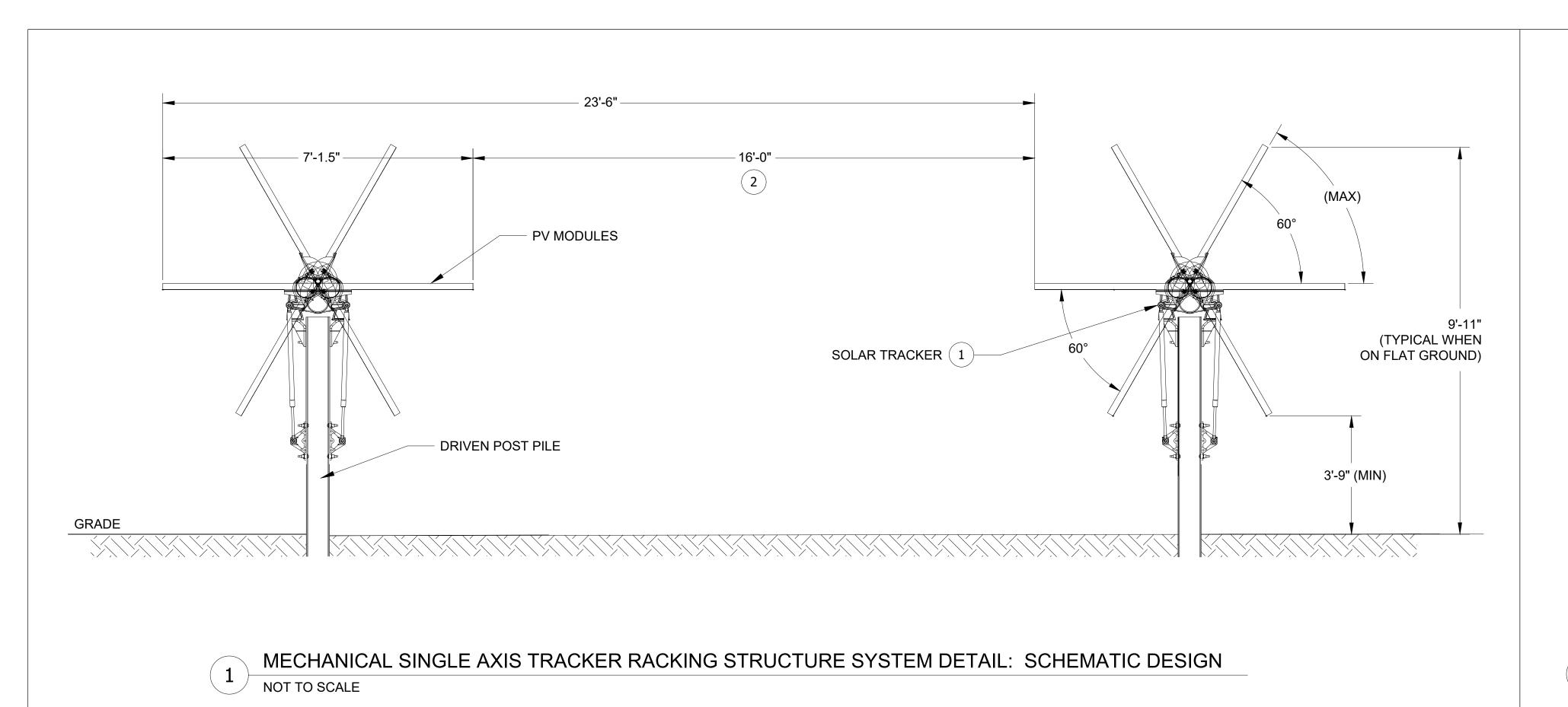
VARIOUS MEANS OF TRANSPORTATION ACCESS

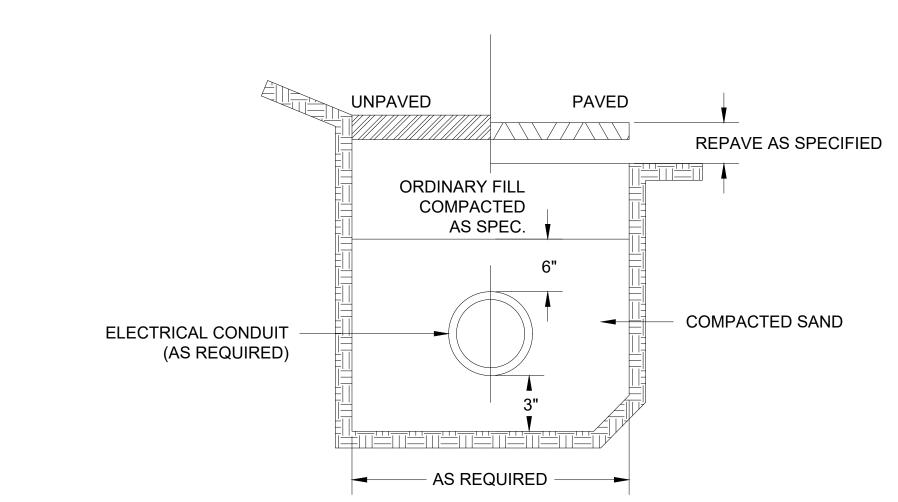
ANY INTERSTATE VIA (I-90)

(IL-20, IL-47, IL-72),









U.G.E. DIRECT BURIED ELECTRICAL CONDUIT TRENCH DETAIL
NOT TO SCALE

MIN. 4"

MIN. 6"

3/4" STONE

3/4" CRUSHED STONE

STRUCTURAL FILL

- MIN. 12"

3" COMPACTED SAND

ELECTRICAL CONDUIT

SIZE VARIES

1-1/2" STONE

FLUSH WITH PAD

REMOVE 8" THICK TOPSOIL GEOGRID PLACED ON PREPARE FOR GEOTECH REPORT IN THE ROAD FOOTPRINT GEOTECH REPORT

FIRE DEPARTMENT ACCESS ROAD DETAIL

NOT TO SCALE

SUBGRADE EQUIPMENT REINFORCED FOUNDATION DETAIL NOT TO SCALE

COMPACTED SUBGRADE

(SUITABLE SOIL MATERIAL)

MIN. 4" SLAB ABOVE GRADE

MIN. 6" (TYP.)

BEDDING SAND

MIN. 6" COVER

FINE GRADE

GEOTEXTILE FABRIC

(MIRAFI 180N OR APPROVED EQUAL)

SINGLE AXIS TRACKER MECHANICAL RACKING SYSTEM BY AXIAL TRACKER, SEE MANUFACTURER DRAWINGS FOR ADDITIONAL

STRUCTURE DIMENSIONS SHOWN ARE TYPICAL FOR FLAT GRADE. DIMENSIONS MAY VARY WHERE SLOPES EXIST.

Engineer:

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REINKING RD. & IL-21,
HAMPSHIRE, IL 60140
KANE COUNTY
P.I.N. 02-19-200-006 & 02-18-400-009

CONSTRUCTION DETAILS

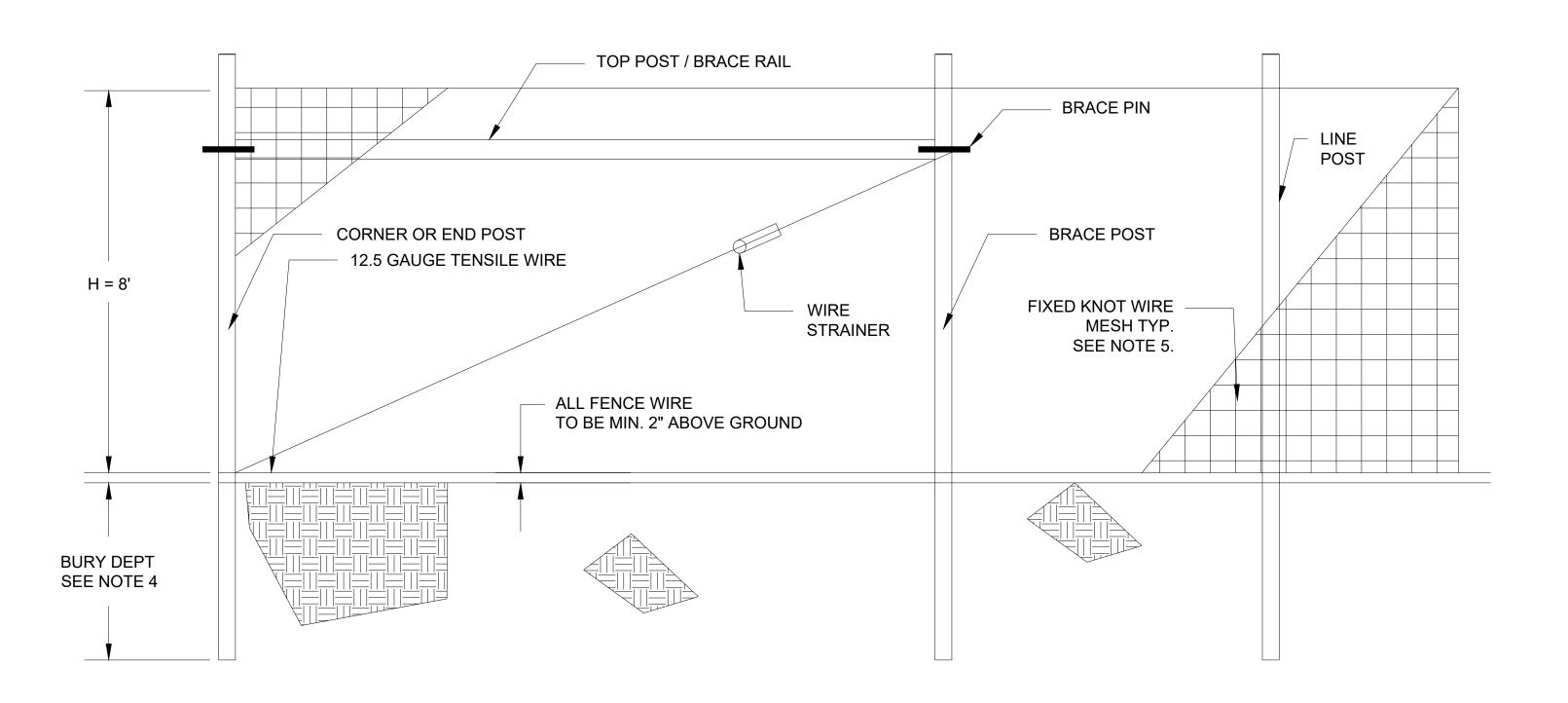
TYPICAL DETAILS, CUT SECTIONS & ELEVATIONS OF FIRE DEPARTMENT ACCESS ROAD, EQUIPMENT FOUNDATIONS, PV MECHANICAL TRACKER RACKING STRUCTURE SYSTEM, U.G.E. CONDUIT TRENCHING

 Project Number:
 Drawing Number:

 8884 b
 W - DEV.04 - CD

 Paper Size:
 Sheet Number:

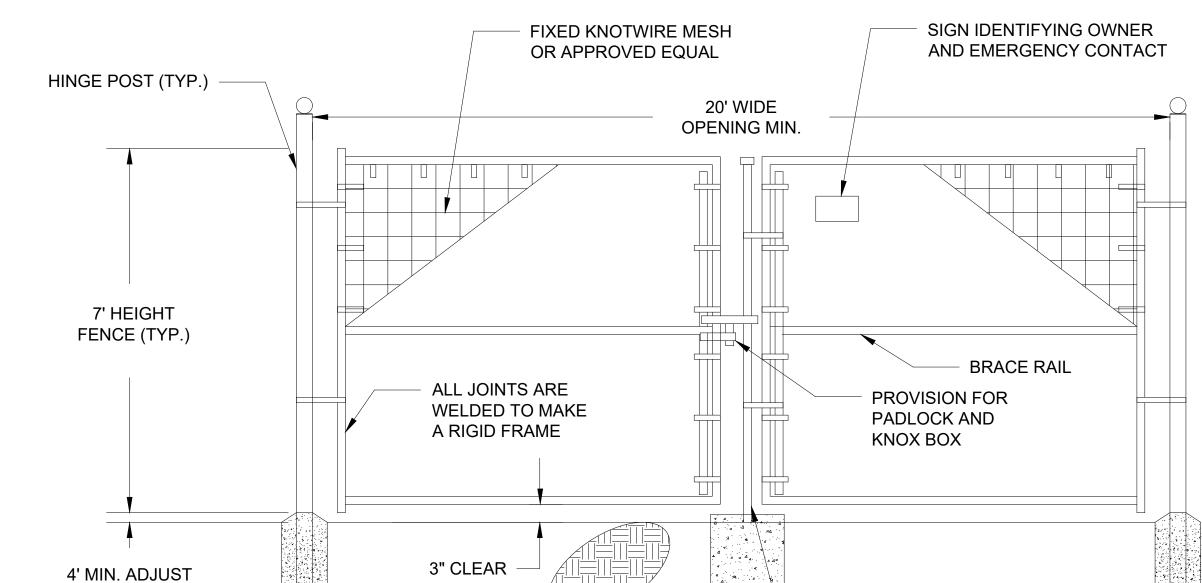
 24" X 36"
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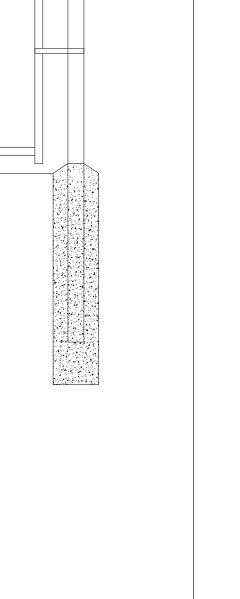


1 FIXED KNOT FARM FENCE DETAIL NOT TO SCALE

NOTES:

- 1. INSTALL ALL FENCING COMPONENTS PER MANUFACTURERS SPECIFICATIONS.
- 2. ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTED.
- 3. ALL SQUARE POSTS TO BE MIN. 5"X5" NOMINAL SIZE OR ROUND POST WITH MIN. 5" OR 6" DIAMETER PRESSURE TREATED WOOD OR APPROVED EQUAL. PREFER POSTS TO HAVE A CHAMFERED TOP.
- 4. ALL LINE POST TO BE SET TO A MIN. DEPTH OF 4' BELOW GRADE, ALL CORNER, END OR GATE POSTS SHALL BE SET TO A MIN. DEPTH OF 6' BELOW GRADE, UNLESS OTHERWISE NOTES.
- 5. FIXED KNOT WIRE MESH TO BE BEKAERT SOLID LOCK® PRO, 12.5 GUAGE, CLASS 3 GLAVANIZED, 6" VERTICAL SPACING OR APPROVED EQUAL.
- 6. BRACING IS REQUIRED AT ALL CORNER, END AND GATE POSTS, DOUBLE BRACING (TWO BRACE ASSEMBLIES IN A ROW) SHOULD BE USED FOR STRAIGHT RUNS OF FENCE THAT EXCEED 1,000 LF. AN ADDITIONAL BRACE ASSEBMLY SHOULD BE INSTALLED MID SPAN FOR STRAIGHT RUNS OF FENCE THAT EXCEED 1,320 LF. ADDITIONAL BRACING MAY BE STILL BE REQUIRED OVER UNEVEN TERRAIN, CONTRACTOR SHALL INSTALL ADDITIONAL BRACING AS NEEDED IF DEFLECTION IS NOTICED DURING TENSIONING.





DROP BAR OR APPROVED

EQUAL PROVISION

GENERAL NOTES:

ADDITIONAL FENCING AND GATE DETAILS TO BE FURTHER REVIEWED BY KANE COUNTY OF RECORD AUTHORITY HAVING JURISDICTION DURING BUILDING PERMIT APPROVAL. THE FOLLOWING PLAN IS CONCEPTUAL, PRELIMINARY SCHEMATIC DESIGN AND IS SUBJECT TO CHANGE.



NOTES:

TO FROST DEPTH PER

GEOTECH REPORT (TYP.)

12" MIN. DIA. (TYP.) — **►**

- 1. INSTALL ALL FENCING COMPONENTS PER MANUFACTURER'S SPECIFICATIONS.
- 2. ALL FENCING AND HARDWARE SHALL BE GALVANIZED, UNLESS OTHERWISE NOTES.
- 3. HINGE POSTS MAY BE TIMBER IF CONTRACTOR DESIRES, TIMBER HINGE POSTS DO NOT NEED TO BE SET IN CONCRETE. UTILIZE HINGE THRU BOLTS TO CONNECT TO TIMBER HINGE POSTS OR LAG SCREWS, PER MANUFACTURERS RECOMMENDATIONS.
- 4. IF CONTRACTOR UTILIZES METAL HINGE POST THAN POSTS SHALL BE SET IN CONCRETE AS SHOWN IN DETAIL.
- 5. BRACING REQUIRED AT FOR ALL GATES. SEE FIXED KNOT FARM FENCE DETAIL.
- 6. FIXED KNOT WIRE MESH TO BE BEKAERT SOLIDLOCK® PRO, 12.5 GUAGE, CLASS 3 GLAVANIZED, 6" VERTICAL SPACING OR APPROVED EQUAL.
- 7. BRACE RAIL SHOWN FOR REFERENCE ADDITIONAL BRACE RAILS MAY BE REQUIRED (NOT SHOWN) OR TRUSS RODS MAY BE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS.

01/03/2025	ISSUED FOR SUP			
11/29/2024	ISSUED FOR BPLER			
10/03/2024	ISSUED FOR IX			
Date	Revision Details	PM	ENG	СНК
	Revision Table			

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Project Name & Address:

RUTLAND WEST SOLAR FARM

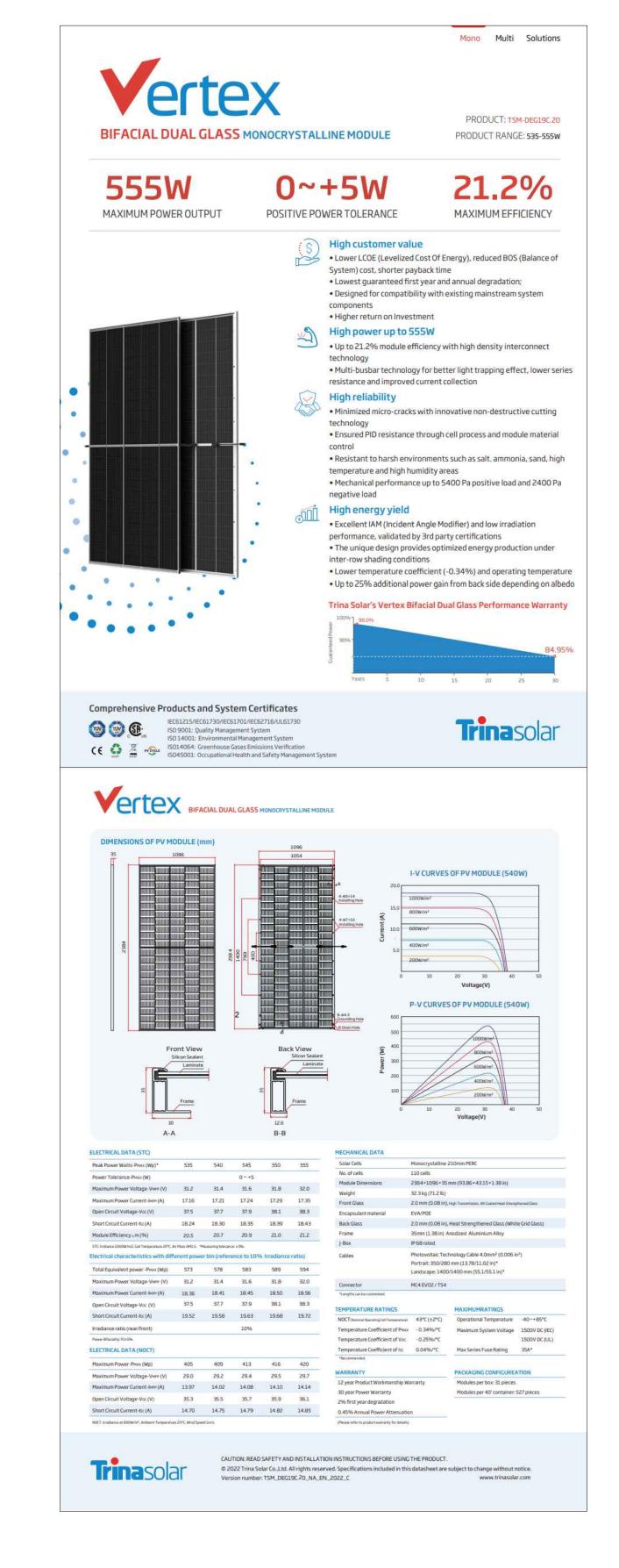
REINKING RD. & IL-21,
HAMPSHIRE, IL 60140
KANE COUNTY
P.I.N. 02-19-200-006 & 02-18-400-009

FENCE DETAILS

TYPICAL DETAILS, CUT SECTIONS & ELEVATIONS OF FENCING & DOUBLE SWING ACCESS GATE.

Project Number :	Drawing Number :
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 01/03/2025
 ISSUED FOR SUP

 11/29/2024
 ISSUED FOR BPLER

 10/03/2024
 ISSUED FOR IX

 Date
 Revision Details
 PM
 ENG
 CHK

 Revision Table

Engineer:

ANATOLIY ZELTSER
PROJECT ENGINEER
SURYA POWERED LLC
RUTLAND WEST SOLAR FARM LLC
141 W. JACKSON BLVD STE 1692

GENERAL NOTES:

ADDITIONAL EQUIPMENT SPECIFICATION DETAILS TO BE FURTHER

JURISDICTION DURING BUILDING PERMIT APPROVAL. THE FOLLOWING PLAN IS CONCEPTUAL, PRELIMINARY SCHEMATIC DESIGN AND IS SUBJECT

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CHICAGO, IL 60604
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Project Name & Address :

RUTLAND WEST SOLAR FARM

REINKING RD. & IL-21,
HAMPSHIRE, IL 60140

KANE COUNTY P.I.N. 02-19-200-006 & 02-18-400-009

EQUIPMENT SPECIFICATIONS

TYPICAL DETAILS, CUT SHEETS & SPECIFICATIONS OF PV MODULE & STRING INVERTER EQUIPMENT.

 Project Number :
 Drawing Number :

 8884 b
 W - DEV.06 - ES

 Paper Size :
 Sheet Number :

 24" X 36"
 06

