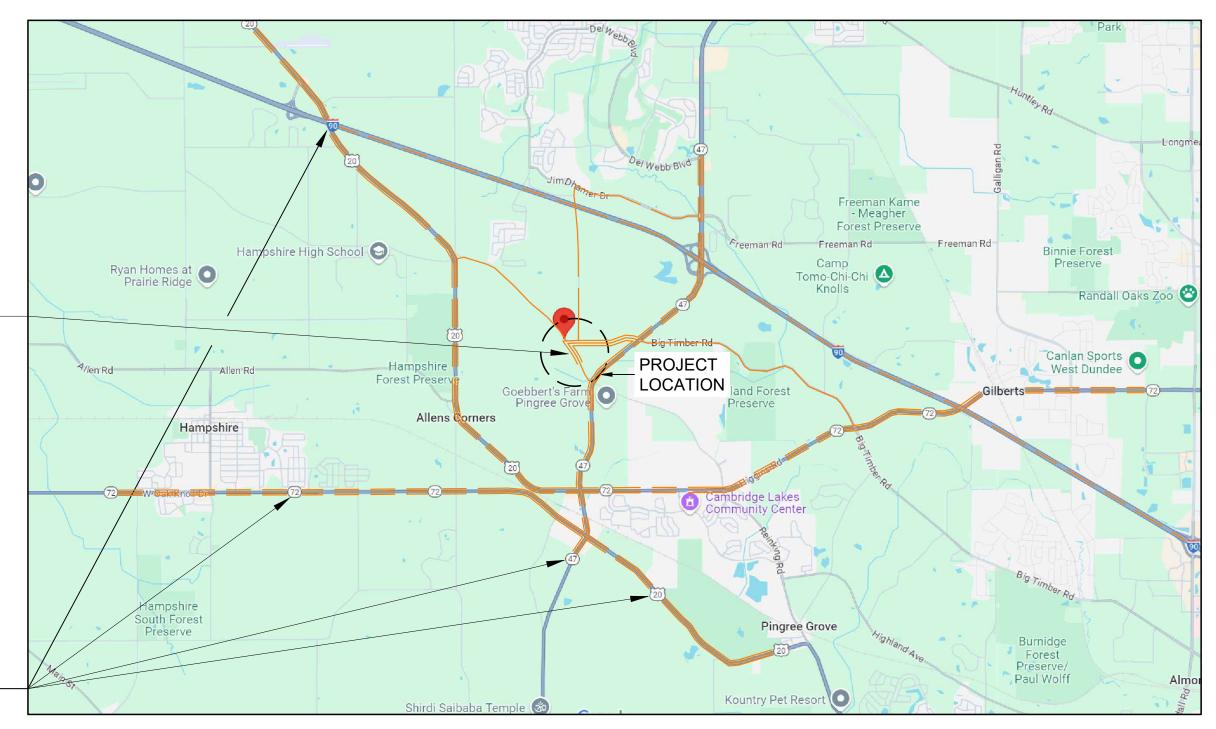
# RUTLAND EAST SOLAR FARM, LLC KANE COUNTY, ILLINOIS



PROJECT ADDRESS PRIMARY CONSTRUCTION LOGISTICS ROUTE

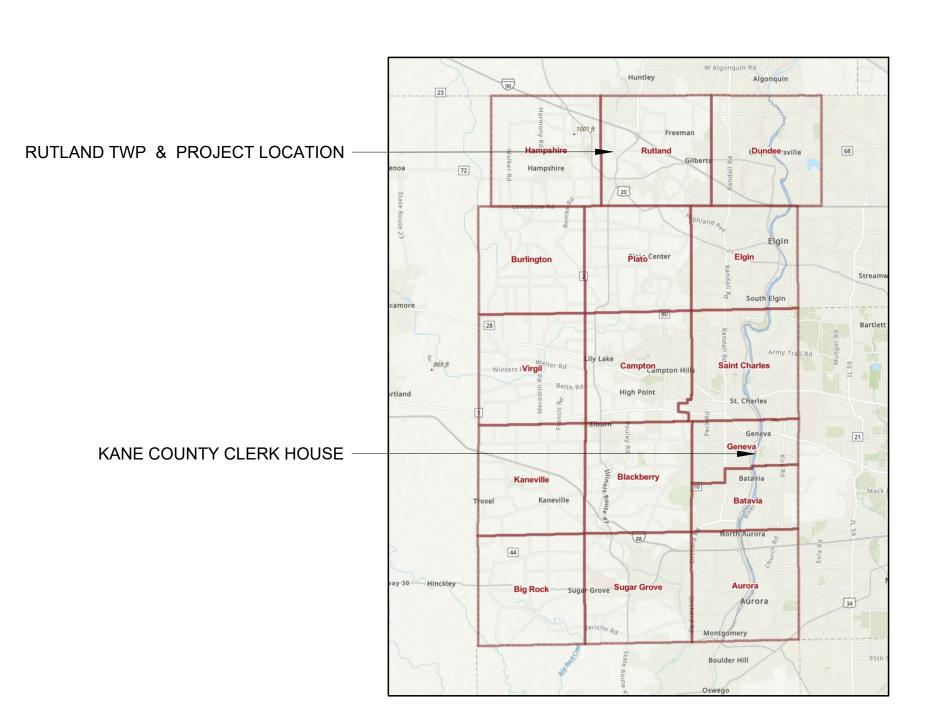
ANY INTERSTATE VIA (I-90)
HEADING NORTH/SOUTH WEST/EAST TOWARDS
(IL-20, IL-47, IL-72),

PARCEL LOCATED NORTH OF (IL-72) HIGGINS ROAD & EAST OF (IL-20) US GRANT MEM HWY ROUTE
AT THE SOUTHEAST INTERSECTION OF REINKING ROAD & BIG TIMBER ROAD,

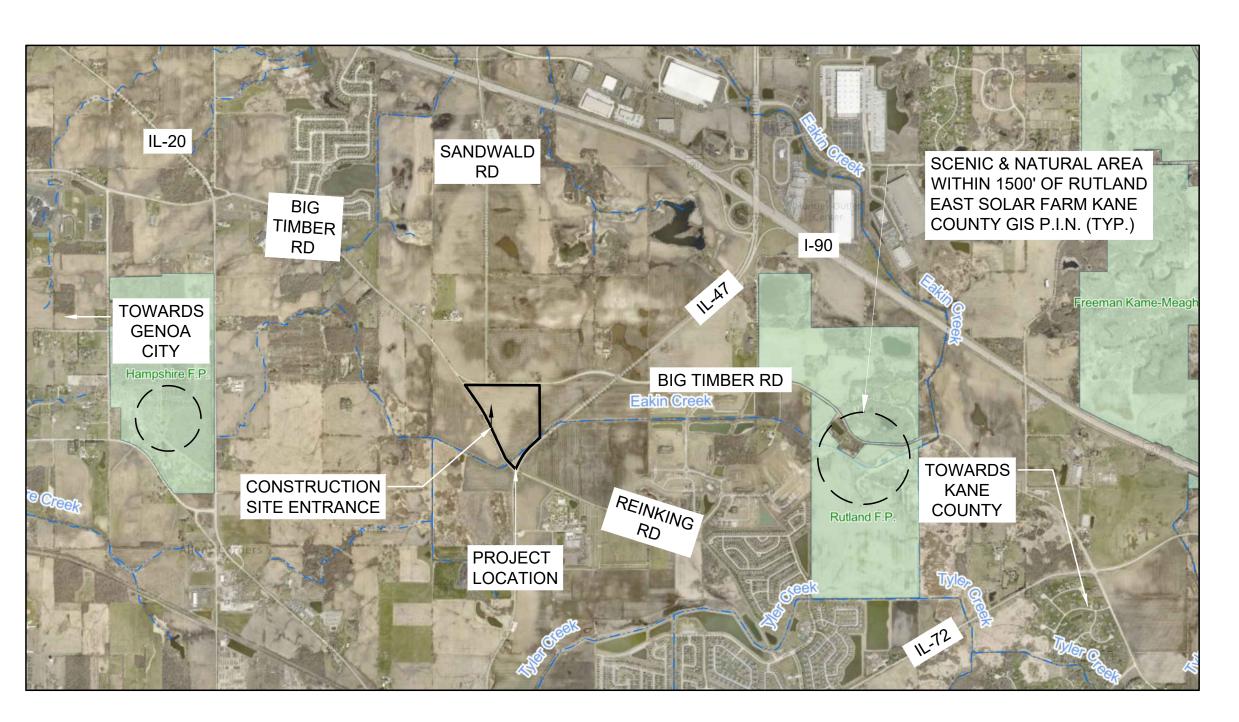
SITE CONSTRUCTION ENTRANCE GATE VIA (IL-47), BIG TIMBER ROAD WEST LOCATED SOUTH OFF REINKING ROAD, NORTH OF IL-47 & SOUTH OF BIG TIMBER ROAD, ON EAST SIDE.

VARIOUS MEANS OF TRANSPORTATION ACCESS











SHEET LIST:

E - DEV . 05 - FD

E - DEV . 01 - CP COVER PAGE

E - DEV . 02 - EC EXISTING GENERAL CONDITIONS PLAN
E - DEV . 03 - SP NEW POWER FACILITY SITE PLAN

FENCE DETAILS

E - DEV . 04 - CD CONSTRUCTON DETAILS

E - DEV . 06 - ES EQUIPMENT SPECIFICATIONS





### SITE INFORMATION

PARCEL ZONING: A-1 AGRICULTURE

PROJECT DESCRIPTION

PROJECT LOCATION: REINKING RD. & IL-21, HAMPSHIRE, IL 60140

PROJECT PARCEL: 51.78

P.I.N.: 02-19-200-007

UTILITY: COMED

AC SYSTEM SIZE: 5,000 KW / 5,000 KVA

DC SYSTEM SIZE: 7,500 KW

AZIMUTH / TILT:  $180^{\circ}$  /  $\pm 60$ 

GCR: 40%

MODULE MODEL: TRINA SOLAR VERTEX 550W TSM-DEG19C20

MODULE WATTAGE: 550 W

MECHANICAL SYSTEM: HORIZONTAL TRACKER

INVERTER MODEL: CHINT STRING INVERTER

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

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

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

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

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PROJECT ENGINEER
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CHICAGO, IL 60604

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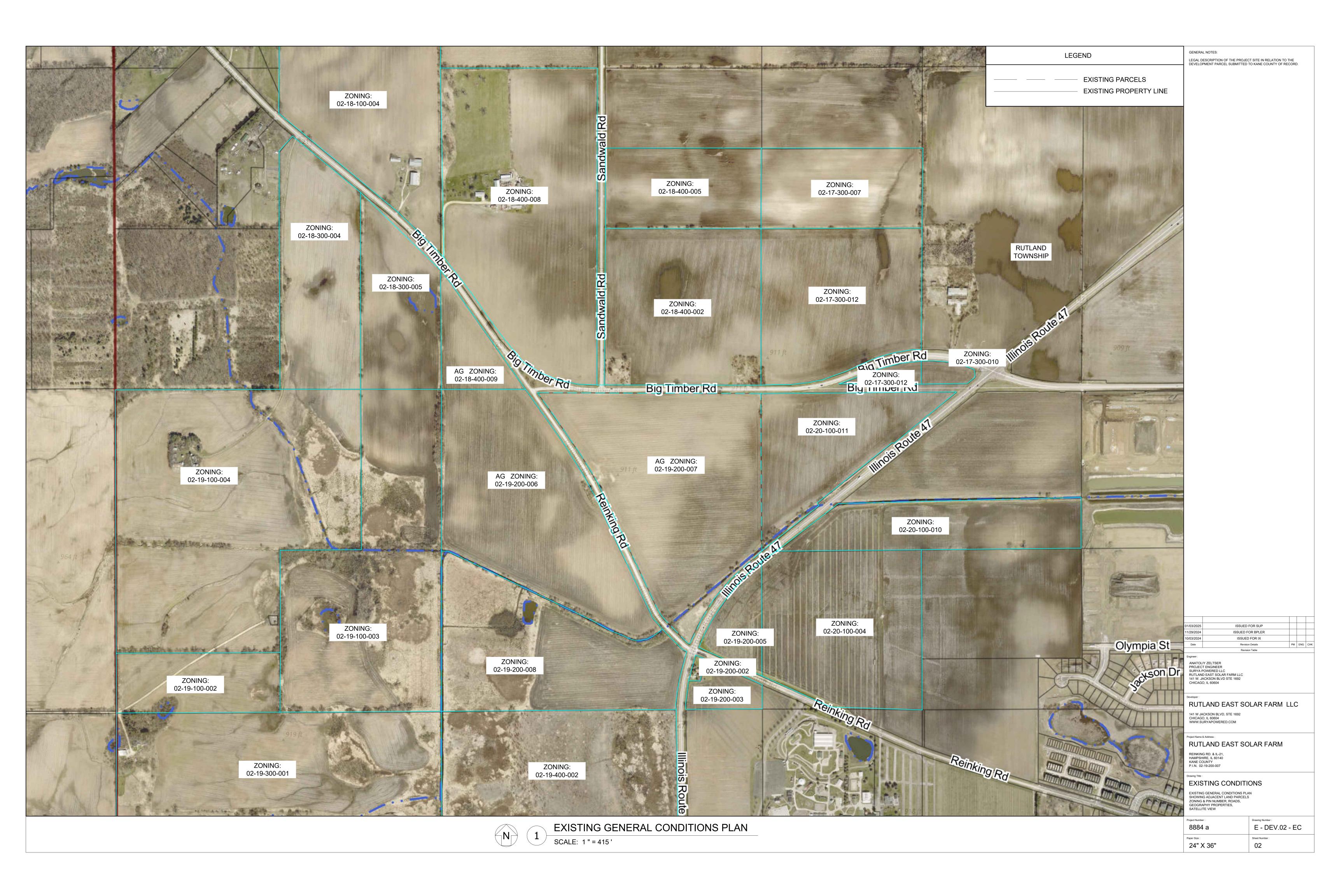
RUTLAND EAST SOLAR FARM

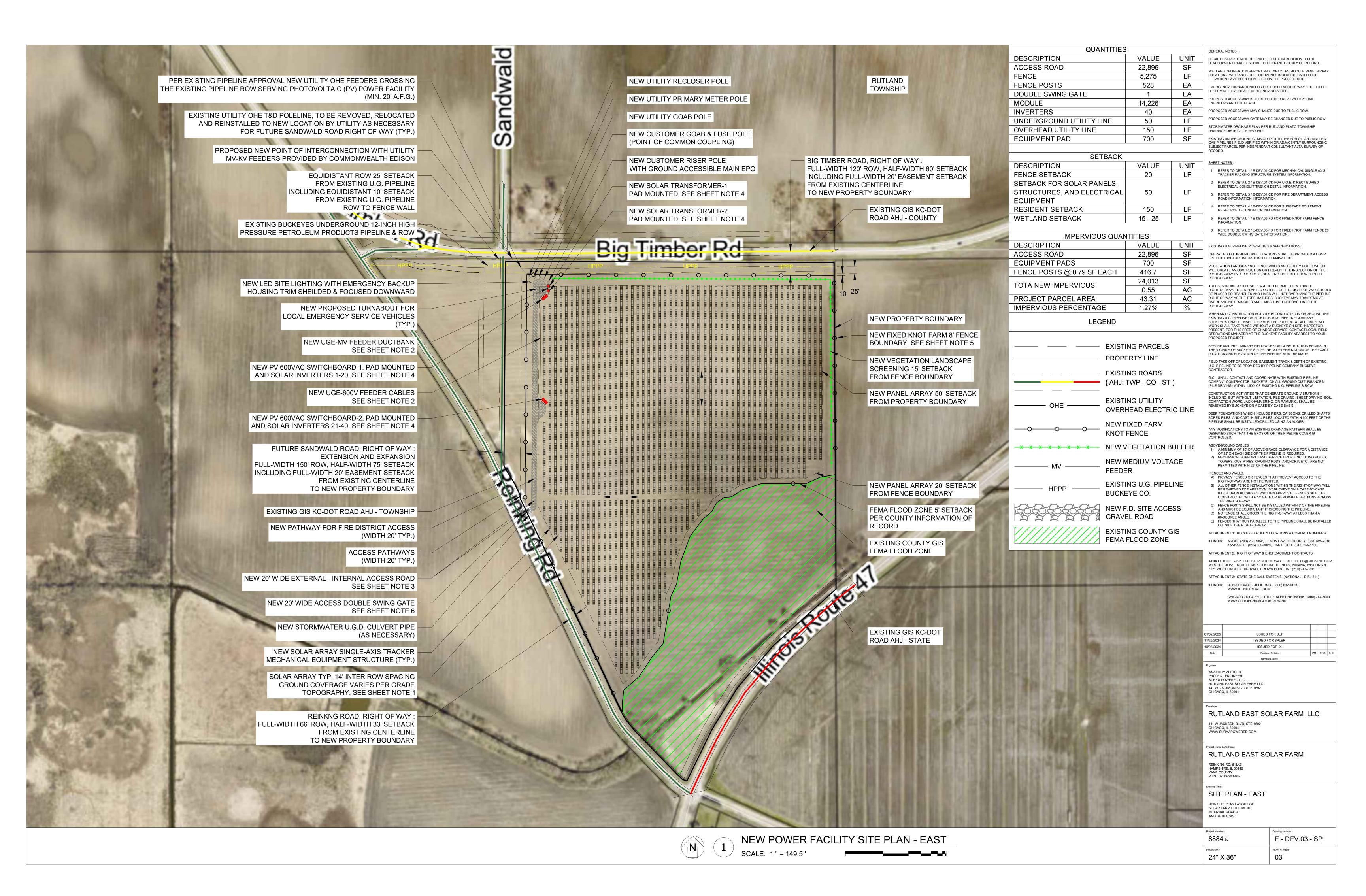
REINKING RD. & IL-21, HAMPSHIRE, IL 60140 KANE COUNTY P.I.N. 02-19-200-007

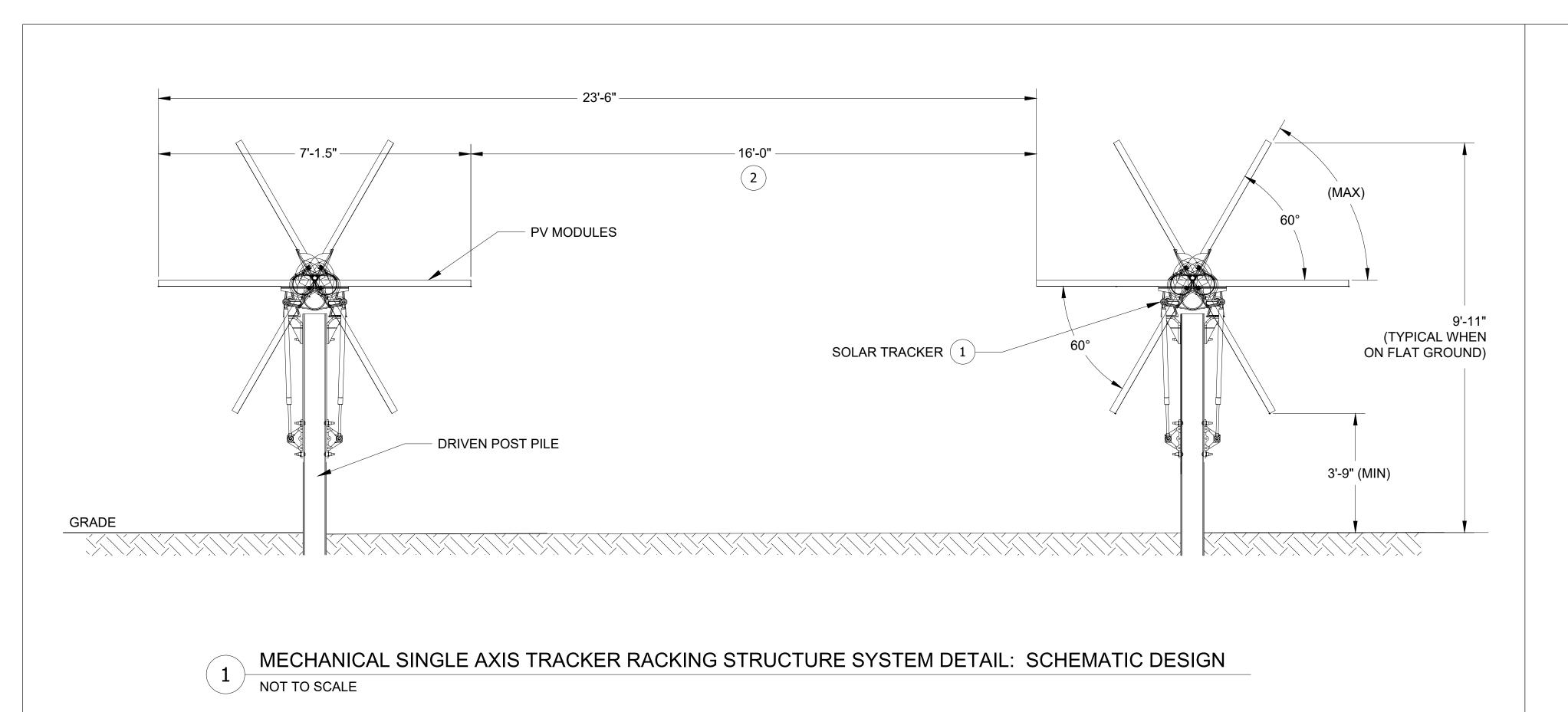
COVER PAGE

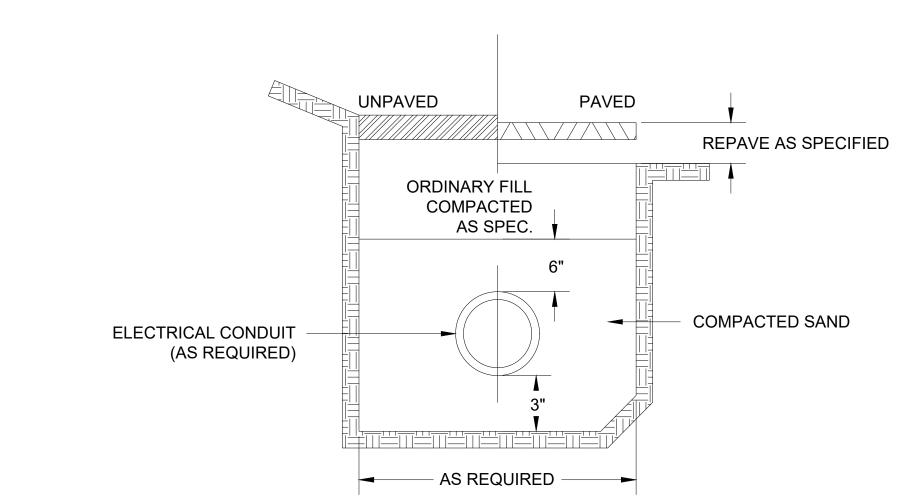
STATE COUNTY MAP,
SATELLITE LOCATION MAP,
VICINITY MAP, ROADS,
SITE PRELIMINARY INFORMATION

Project Number :	Drawing Number :		
8884 a	E - DEV.01 - CP		
Paper Size :	Sheet Number :		
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. 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.

ISSUED FOR SUP

ISSUED FOR BPLER

Revision Details

RUTLAND EAST SOLAR FARM LLC

RUTLAND EAST SOLAR FARM

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

Drawing Number :

Sheet Number :

04

E - DEV.04 - CD

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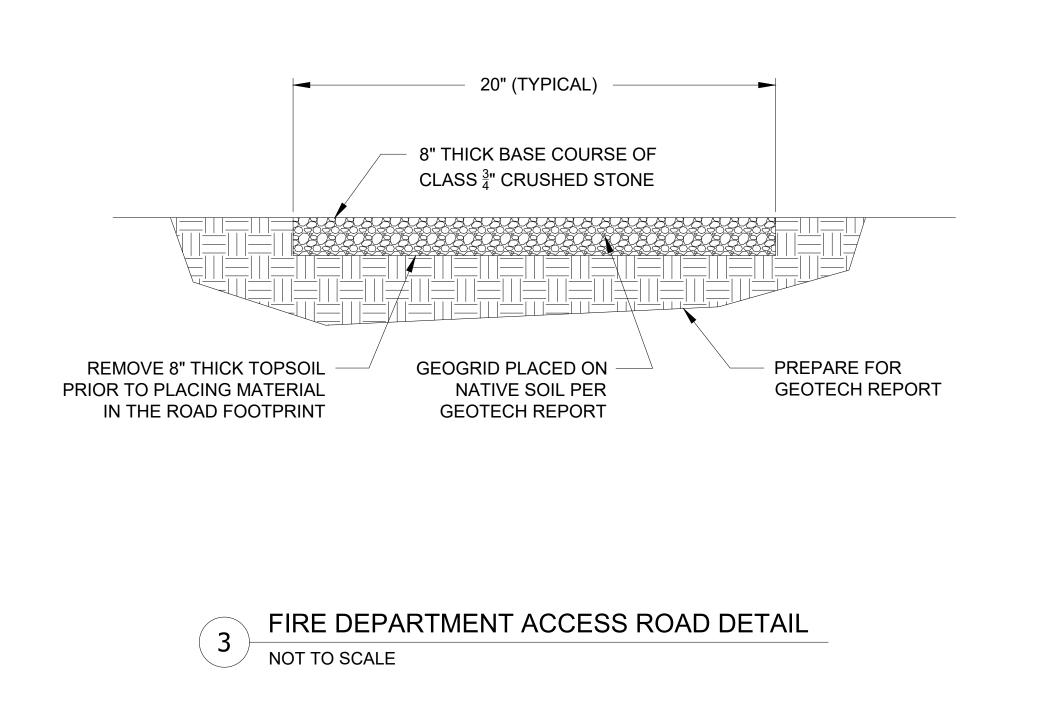
REINKING RD. & IL-21, HAMPSHIRE, IL 60140 KANE COUNTY P.I.N. 02-19-200-007

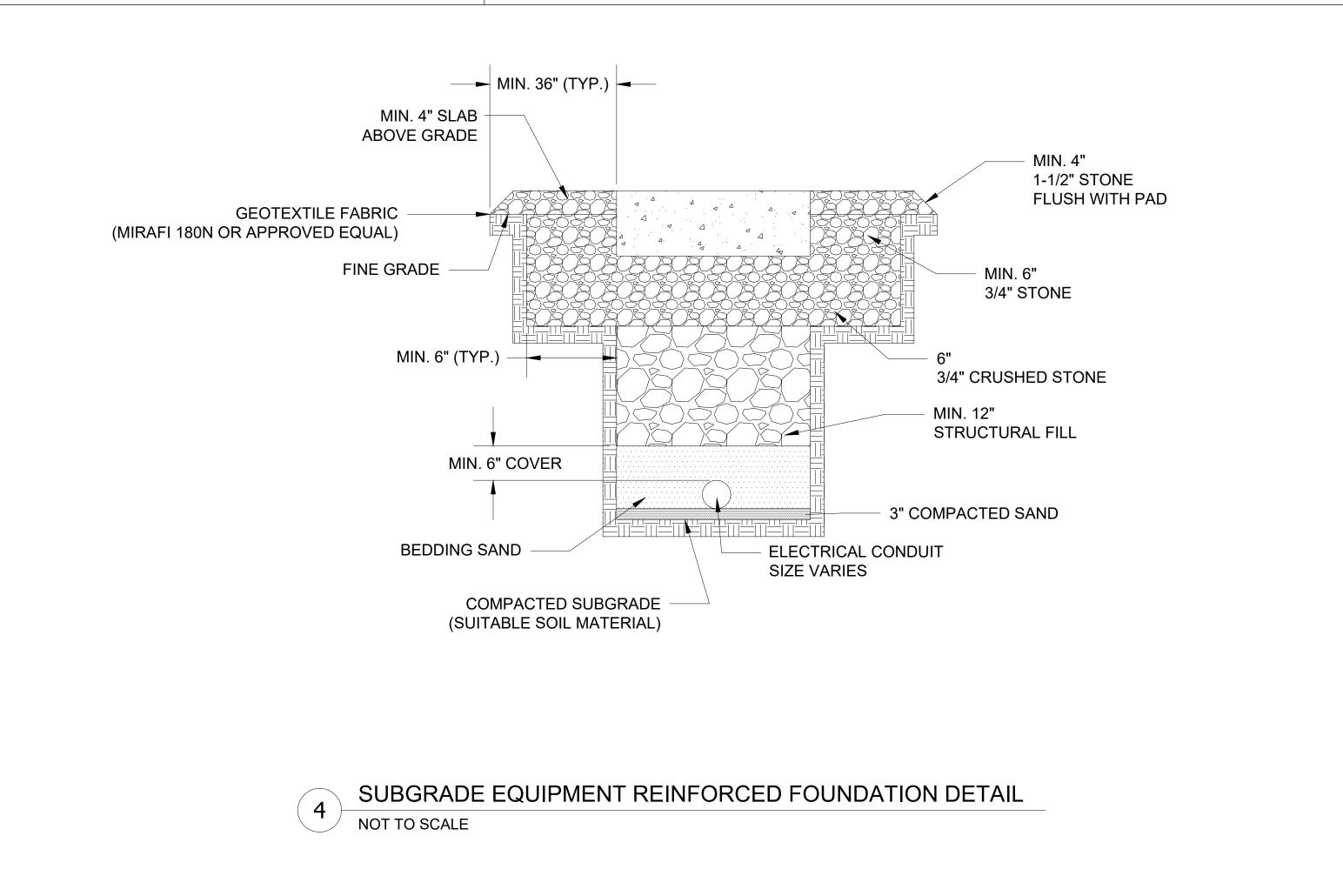
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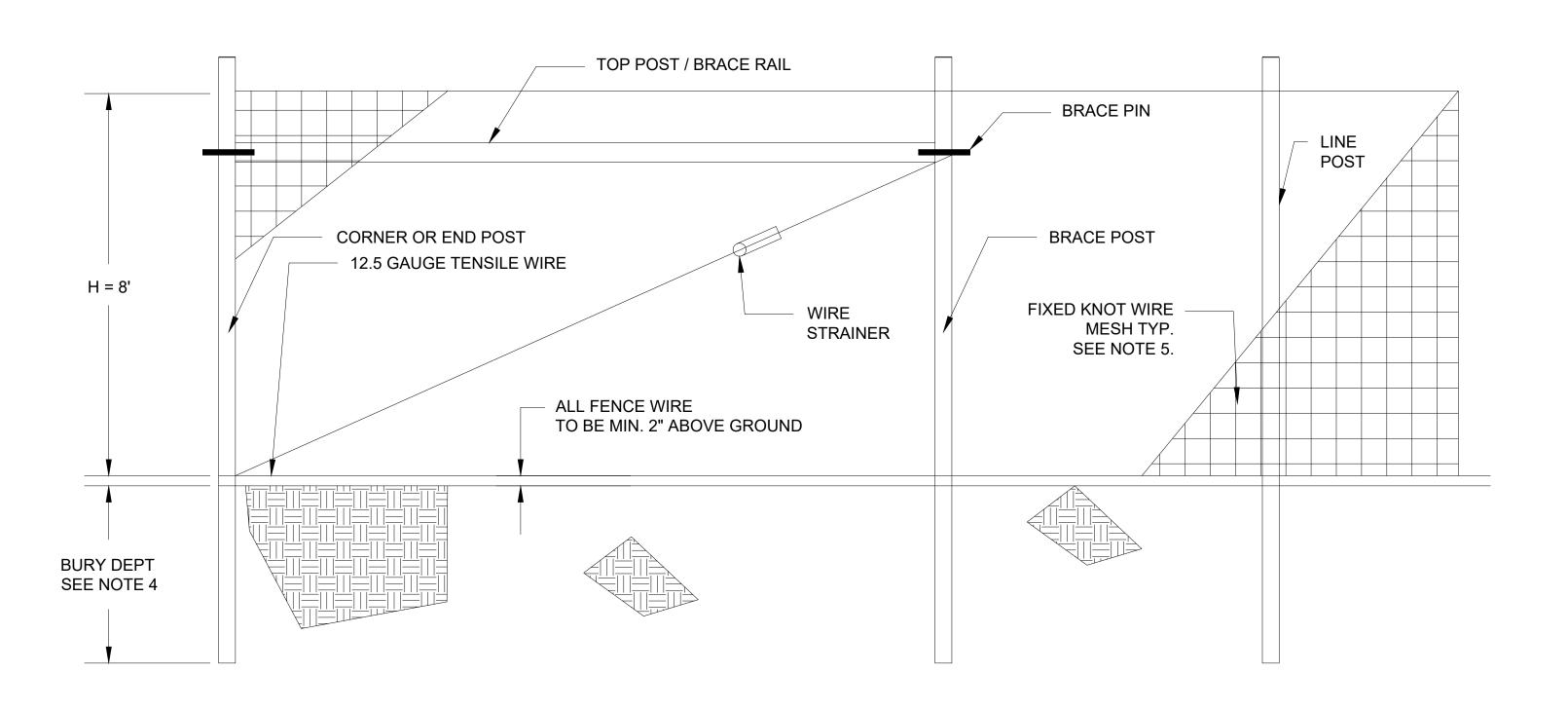
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U.G.E. DIRECT BURIED ELECTRICAL CONDUIT TRENCH DETAIL

NOT TO SCALE





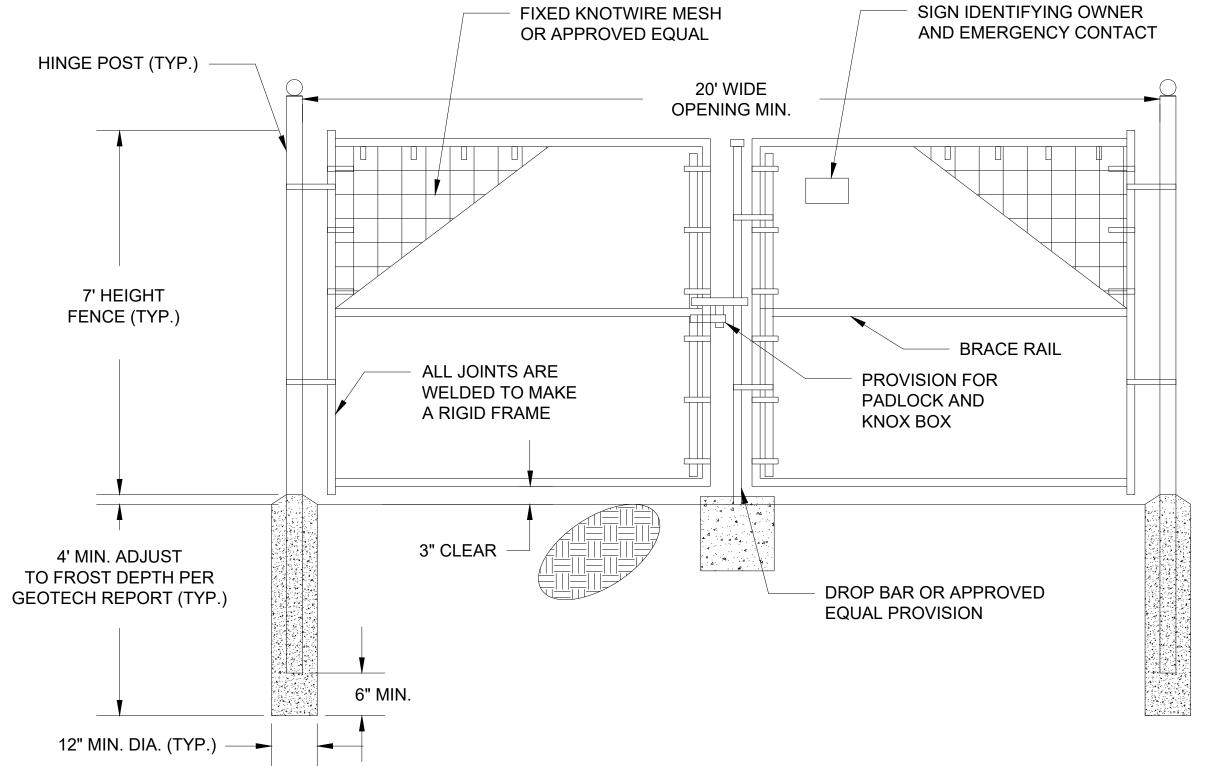


## 1 FIXED KNOT FARM FENCE DETAIL NOT TO SCALE

### 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.







## NOTES:

- 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	0/03/2024 ISSUED FOR IX			
Date	Revision Details	PM	ENG	снк
Revision Table				

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GENERAL NOTES:

ADDITIONAL FENCING AND GATE DETAILS TO BE FURTHER REVIEWED BY

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Project Name & Address:

RUTLAND EAST SOLAR FARM

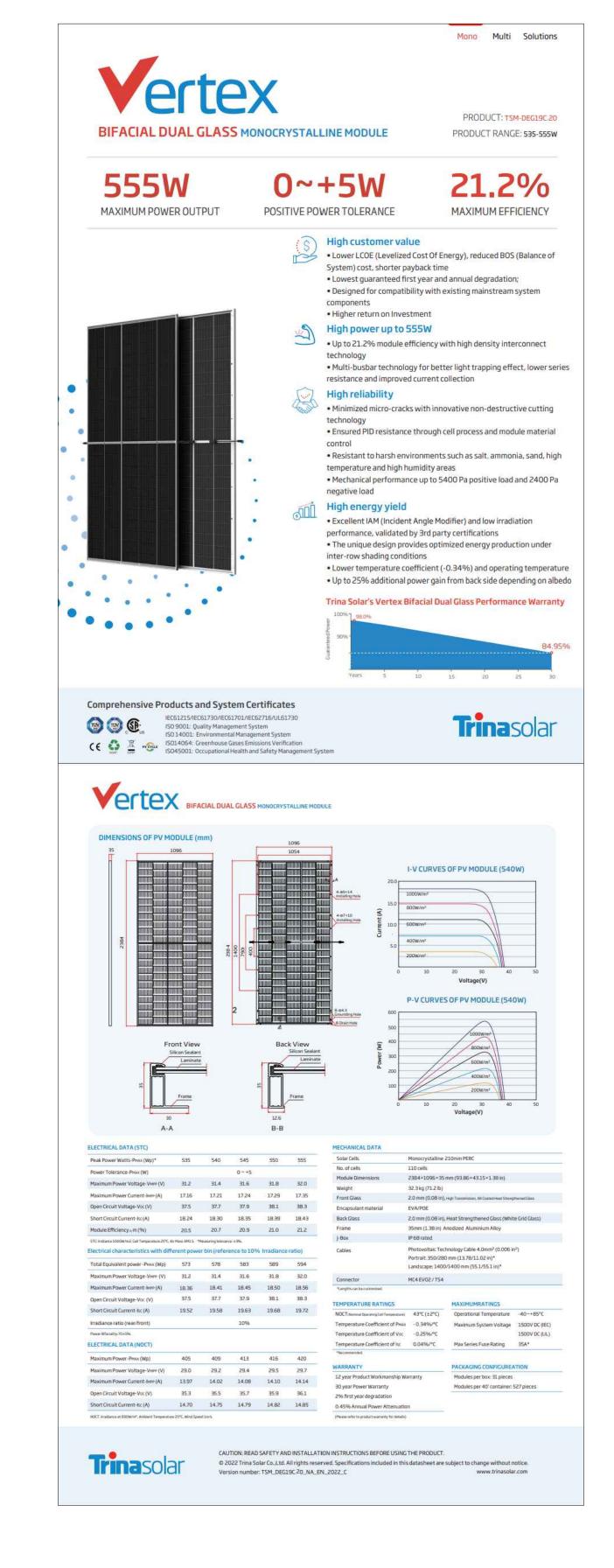
REINKING RD. & IL-21,
HAMPSHIRE, IL 60140
KANE COUNTY
P.I.N. 02-19-200-007

FENCE DETAILS

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

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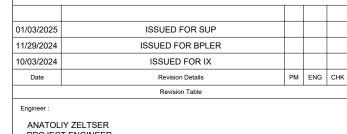




EQUIPMENT SPECIFICATION CUT SHEET DETAIL: PV MODULE 550 WATT (DC)

GENERAL NOTES:

ADDITIONAL EQUIPMENT SPECIFICATION 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



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RUTLAND EAST SOLAR FARM

REINKING RD. & IL-21,
HAMPSHIRE, IL 60140
KANE COUNTY
P.I.N. 02-19-200-007

EQUIPMENT SPECIFICATIONS

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

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