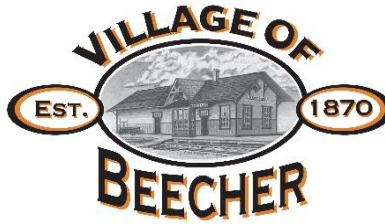


Village of Beecher
625 Dixie Highway
PO Box 1154
Beecher, Illinois 60401
Phone: 708-946-2261
Fax: 708-946-3764
www.villageofbeecher.org



President
Marcy Meyer

Clerk
Janett McCawley

Administrator
Charity Mitchell

Treasurer
Donna Rooney

Trustees
Todd Kraus
Joe Tieri
Roger Stacey
Erik Gardner
David Weissbohn

REGULAR MEETING OF THE PRESIDENT AND BOARD OF TRUSTEES
MONDAY, AUGUST 26, 2024 AT 7:00 PM
BEECHER VILLAGE HALL
625 DIXIE HIGHWAY

AGENDA

- I. PLEDGE OF ALLEGIANCE***
- II. ROLL CALL***
- III. APPROVAL OF MINUTES OF THE PREVIOUS MEETING***
- IV. RECOGNITION OF AUDIENCE***
- V. VILLAGE CLERK'S REPORT***
- VI. VILLAGE PRESIDENT'S REPORT***
 1. APPOINTMENT OF ROBERT BARBER TO THE PLANNING & ZONING COMMISSION.
- VII. COMMITTEE REPORTS***
 - A. FINANCE AND ADMINISTRATION COMMITTEE - Todd Kraus, Chair & David Weissbohn***
 1. CONSIDER A MOTION APPROVING THE LIST OF BILLS AND PAYROLL.
 - B. PUBLIC BUILDINGS AND PROPERTIES, PARKS AND RECREATION COMMITTEE - Todd Kraus, Co-Chair***
 - C. PLANNING, BUILDING AND ZONING COMMITTEE - Erik Gardner, Chair & Joe Tieri***
 1. CONSIDER A REQUEST FROM LENNAR HOMES TO MAKE PROPOSED CHANGES TO THE PLANNED UNIT DEVELOPMENT ORDINANCE THAT INCLUDES THE HUNTER'S CHASE EAST SUBDIVISION. Representatives from Lennar Homes will be in attendance.
 2. CONSIDER A MOTION TO SUBMIT A LETTER OF OBJECTION TO THE WILL COUNTY LAND USE DEPARTMENT FOR A SPECIAL USE PERMIT FOR THE CONSTRUCTION OF A COMMUNITY SOLAR GARDEN / COMMERCIAL FACILITY LOCATED ON SOUTH PARK ROAD. THE PROJECT SIZE IS APPROXIMATELY 35.8 ACRES. Since the project is within 1.5 miles of Beecher Village limits, the Village Board can submit a letter of objection or non-objection to be considered by the County Board. The PZC discussed the project at their

meeting on August 22, 2024 and voted unanimously to recommend that the village board object to the project.

3. CONSIDER AN ORDINANCE GRANTING A SPECIAL USE PERMIT FOR 759 W. INDIANA AVENUE UNDER THE ZONING ORDINANCE OF THE VILLAGE OF BEECHER TO ALLOW A U-HAUL RENTAL BUSINESS IN A B-1 HISTORIC DOWNTOWN DISTRICT.
4. UPDATE ON ZONING ORDINANCE REVISION.
5. THE NEXT PLANNING AND ZONING COMMISSION MEETING IS SCHEDULED FOR THURSDAY, SEPTEMBER 26, 2024 AT 7:00 PM.

D. PUBLIC SAFETY COMMITTEE - Joe Tieri, Chair & Roger Stacey

1. CONSIDER A MOTION AUTHORIZING THE CHIEF OF POLICE TO SIGN A MEMORANDUM OF UNDERSTANDING WITH THE VILLAGE OF MONEE TO PROVIDE PROTECTIVE PERSONNEL AND EQUIPMENT TO MONEE IN RELATION TO THEIR FUNCTION AS A MUNICIPAL POLICE FORCE.

E. PUBLIC WORKS COMMITTEE - Roger Stacey, Chair & Erik Gardner

1. CONSIDER A MOTION TO ACCEPT THE BID FROM K.R.T. CONCRETE IN THE AMOUNT OF \$21,600.00 FOR SIDEWALK REPLACEMENT AS SPECIFIED IN THE RFP. This was the lowest bid.

***F. ECONOMIC DEVELOPMENT AND COMMUNITY RELATIONS COMMITTEE
- David Wiessbohn Chair***

1. CONCERT IN THE PARK. Reminder that the last concert of the year is September 7 from 7 PM to 9:30 PM. The band is Rearview (Pearl Jam Tribute).

G. OLD BUSINESS

H. ADJOURN TO EXECUTIVE SESSION if necessary.

I. NEW BUSINESS

J. ADJOURNMENT

**MINUTES OF THE REGULAR MEETING OF THE PRESIDENT
& BOARD OF TRUSTEES OF THE VILLAGE OF BEECHER
HELD AT THE BEECHER VILLAGE HALL,
625 DIXIE HIGHWAY, BEECHER, ILLINOIS
AUGUST 12, 2024 -- 7:00 P.M.**

All present joined in the Pledge to the Flag.

President Meyer called the meeting to order.

ROLL CALL

PRESENT: President Meyer and Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

ABSENT: None.

STAFF PRESENT: Clerk Janett McCawley, Administrator Charity Mitchell, Public Works Superintendent Matt Conner, Chief Terry Lemming, Treasurer Donna Rooney and EMA Director Bob Heim.

GUESTS: George Schuitema, Vic Reato, and two representatives from U-Haul.

APPROVAL OF MINUTES

President Meyer asked for consideration of the minutes of the July 22, 2024 Board meeting. Trustee Tieri made a motion to approve the minutes as written. Trustee Weissbohn seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

RECOGNITION OF AUDIENCE – None.

VILLAGE CLERK REPORT

- 1) A report was provided on tax income received in July, 2024.
- 2) Election packets will be available beginning August 20th.
- 3) There were no objections to the Knights of Columbus request to hold their Annual Intellectual Disabilities fund drive in Beecher from September 13-15, 2024.

VILLAGE PRESIDENT REPORT – None.

REPORTS OF VILLAGE COMMISSIONS

Trustee Kraus provided a 4th of July Commission report. The next meeting is scheduled for August 19th at 6:30 p.m.

Trustee Weissbohn provided a Youth Commission report. The next meeting is scheduled for August 20th.

Trustee Gardner provided a Historic Preservation Commission report. The next meeting is scheduled for August 21st.

PLANNING, BUILDING AND ZONING COMMITTEE - (out of agenda order)

The Board discussed a special use permit request for a U-Haul rental business at 759 Indiana Avenue as considered by the Planning and Zoning Commission (PZC). The PZC voted unanimously to recommend approval of the special use permit request with the following conditions: No more than four trucks on the property and the one truck parked in front must be operable and be occasionally moved. The petitioner, Vic Reato, explained his plan and representatives from U-Haul were also present to answer questions. President Meyer received a private message from a resident in the area that opposed the permit. One resident attended the PZC meeting and asked questions but did not speak in opposition. All rentals will be handled on-site. This is in addition to his current business. He will be an authorized dealer, not an owner. Trustee Gardner made a motion to authorize attorney to draft an Ordinance granting a special use permit in a B-1 Historic Downtown Business District for a U-Haul rental business at 759 W. Indiana Avenue. Trustee Weissbohn seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

The Building Department monthly report was provided in the packet for review.

FINANCE AND ADMINISTRATION COMMITTEE

Trustee Kraus made a motion to approve the Treasurer's report. Treasurer Rooney was present and provided a report. Trustee Stacey seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

Variance reports for the previous month were provided in the packet for review.

Trustee Kraus made a motion to approve payment of the list of bills in the amount of \$110,634.01 and payroll since the last meeting. Trustee Stacey seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

PUBLIC BUILDINGS AND PROPERTIES, PARKS AND RECREATION COMMITTEE

The Board discussed a date for the Holiday Tree Lighting. The event is tentatively scheduled for Sunday, December 1st.

PUBLIC SAFETY COMMITTEE

The Police Department, EMA and Code Enforcement monthly reports were provided in the packet for review.

An update was provided on the Laraway Communications Center Board of Directors meeting held on July 25th. A snapshot of the performance and director's report was provided to the Board members for review. The LCC Board found money left in the reserve fund and will issue rebates to members of the LCC communities to help offset fee increases.

Chief Lemming provided a report on the results of the National Night Out. The event went well and was well attended. A thank you letter was provided to participants.

PUBLIC WORKS COMMITTEE

Trustee Stacey made a motion to accept an updated proposal from Wirkus Paving to replace the parking lot and roadway at the Village Hall in the amount of \$52,501. Trustee Gardner seconded. This project was previously approved at the June 10, 2024 Village Board meeting. This will be paid out of Infrastructure funds until reimbursed by grant. Work is scheduled for week of August 26th.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

ECONOMIC DEVELOPMENT AND COMMUNITY RELATIONS COMMITTEE

Trustee Weissbohn provided an update on the concert in the park held on Saturday. The concert was the most well-attended of all concerts so far. The last concert of the year will be held on September 7th from 7 p.m. to 9:30 p.m. The band is Rearview (Pearl Jam tribute).

OLD BUSINESS

An update was provided on revision to CESFA ordinance. Trustee Kraus said his schedule hasn't allowed him to meet with the Administrator and work out details. He hopes to get this done soon.

Trustee Kraus thanked staff for putting pictures on Facebook of police facility progress.

There being no further business to discuss in regular session, Trustee Tieri made a motion to adjourn into Executive Session at 7:23 p.m. to discuss personnel and pending litigation. Trustee Weissbohn seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

Trustee Stacey made a motion to return to regular session at 7:47 p.m. Trustee Weissbohn seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

NEW BUSINESS

Administrator Mitchell said she and Clerk McCawley have been looking into ordinances to regulate Airbnb's and VRBO's since a complaint was received from a resident recently about a home rented out as an Airbnb next door to him.

Staff is looking at requirements for 60% of front facing brick on a house in Hunter's Chase East as required in the P.U.D. agreement. Requirements need to be clarified, as well as enforcement of the requirements.

There being no further business, President Meyer asked for a motion to adjourn. Trustee Gardner made a motion to adjourn the meeting. Trustee Weissbohn seconded.

AYES: (5) Trustees Stacey, Tieri, Kraus, Gardner and Weissbohn.

NAYS: (0) None.

Motion carried.

Meeting adjourned at 7:57 p.m.

Respectfully submitted by:

Janett McCawley
Village Clerk



August 16, 2024

Beecher Plan Commission

Re: Proposed Development – Wild Cat Solar 4 LLC, Siciliano Community
Solar Garden

30200 Town Center Rd
Beecher, IL 60401

Supervisor

Michael Stanula

Assessor

Pat Peters

Highway Commissioner

Michael Smith

Clerk

Joe Burgess

Trustees

Tracy Heldt

Teresa Peterson

George Obrdovich

Mark Herlitz

Dear Commissioners

The following letter shall address the Washington Township Board of Trustees' concerns regarding the zoning case.

We do not recommend the Zoning request nor the Special Use Variances for a Solar Farm. We are familiar with so called "Solar Farms". They continue to scar the landscape, replacing farmland which benefit our residents both regionally as well as nationally. Solar Farms benefit a select few and provide large profits to the developers. The long-term effects of solar farms have yet to be seen. The present effects we do know include migratory bird and wildlife disruption, loss of crop land and un-natural soil warming. Many components of the solar panels are also not recyclable once the life cycle of the equipment has ended. The longevity of the start-up solar developers to provide long term service and restoration of the property back to original ground is yet to be seen.

Solar Farm developers believe that if they put their projects out in the country no one will notice. We as a township do indeed notice, however we have our hands tied, due to state legislation, which limits our control over wind and solar energy projects, the best that we can do is to state our point of view and make recommendations.

The Siciliano Community Solar Garden (it's not a garden) project as proposed is to be in Beechers' backyard. Hopefully the residents of Nantucket Cove will notice.

I have attached the last two correspondence letters sent to Will County Planning expressing our concerns over recent solar projects. Once a case number has been assigned to this project, I will do the same.

Michael Stanula- Washington Township Supervisor

Cc: Village of Beecher Board of Trustees

Judy Ogalla, Chairman of the Will County Board

SICILIANO COMMUNITY SOLAR GARDEN

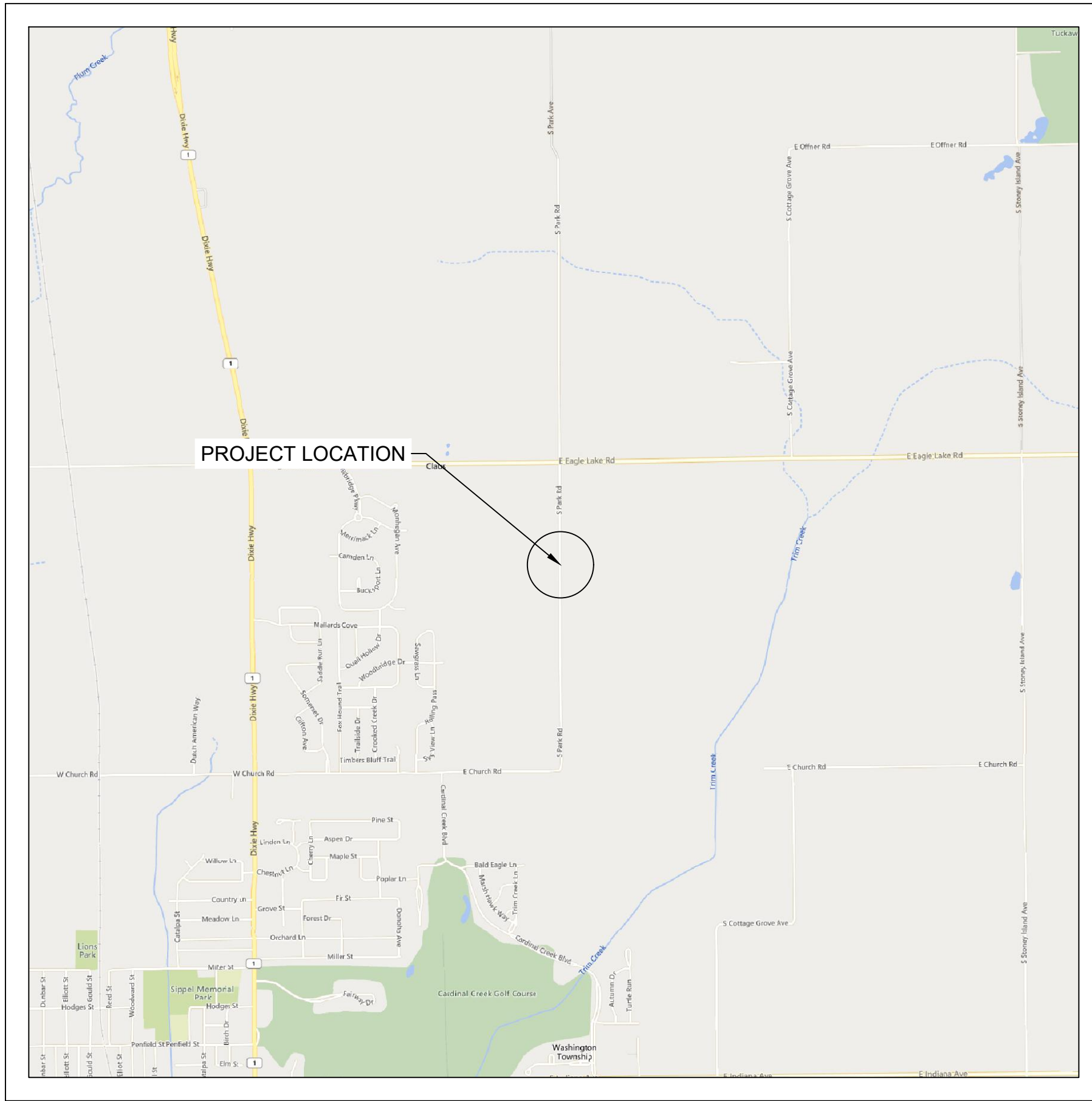


PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602



1 ARRAY LOCATION

Scale: 1" = 2000'



2 OVERHEAD MAP

Scale: 1" = 300'

SHEET INDEX

SHEET #	DESCRIPTION	REVISION #	REVISION DATE
T1	TITLE PAGE	1	5/15/2024
PV1	EXISTING CONDITIONS	1	5/15/2024
PV2A	SITE PLAN A	1	5/15/2024
PV2B	SITE PLAN B	1	5/15/2024
PV3	PID & ZONING MAP	1	5/15/2024
PV4	SOIL MAP	1	5/15/2024
PV5	TOPOGRAPHY & DRAINAGE	1	5/15/2024
PV6	CONSTRUCTION & MAINTENANCE ROUTES	1	5/15/2024
PV7	RACKING DETAIL	1	5/15/2024
PV8	FENCE DETAIL	1	5/15/2024
PV9	STORMWATER BASIN DETAIL	1	5/15/2024
E1A	SINGLE LINE DIAGRAM 1	1	5/15/2024
E1B	SINGLE LINE DIAGRAM 2	1	5/15/2024
E2A	SYSTEM LABELS 1	1	5/15/2024
E2B	SYSTEM LABELS 2	1	5/15/2024
E3	INTERCONNECTION DETAIL	1	5/15/2024
E4	EQUIPMENT DOCS 1	1	5/15/2024
E5	EQUIPMENT DOCS 2	1	5/15/2024
E6	EQUIPMENT DOCS 3	1	5/15/2024

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT TEAM

PROJECT OWNER
WILD CAT SOLAR 4 LLC - SICILIANO
2530 RIVA RD SUITE 200
ANNAPOLIS, MD 21041
443-267-5012

ENGINEER OF RECORD
TBD

PROJECT DEVELOPER
NEW ENERGY EQUITY
2530 RIVA RD SUITE 200
ANNAPOLIS, MD 21041
443-267-5012

EPC CONTRACTOR
TBD

GENERAL INFO

PROJECT ACREAGE
ENTIRE PARCEL AREA: 120.66 ACRES
FENCE ACREAGE: 26.53 ACRES
LOT COVERAGE: 7.92% (AREA OF MODULES, ROAD & EQUIPMENT PADS DIVIDED BY PARCEL AREA)
FACILITY AREA ACREAGE: 35.8 ACRES

PARCEL DESCRIPTION
LAND OWNER: JAMES SICILIANO
PARCEL ID NUMBER: 2222101000050000

PROJECT NAME

SICILIANO

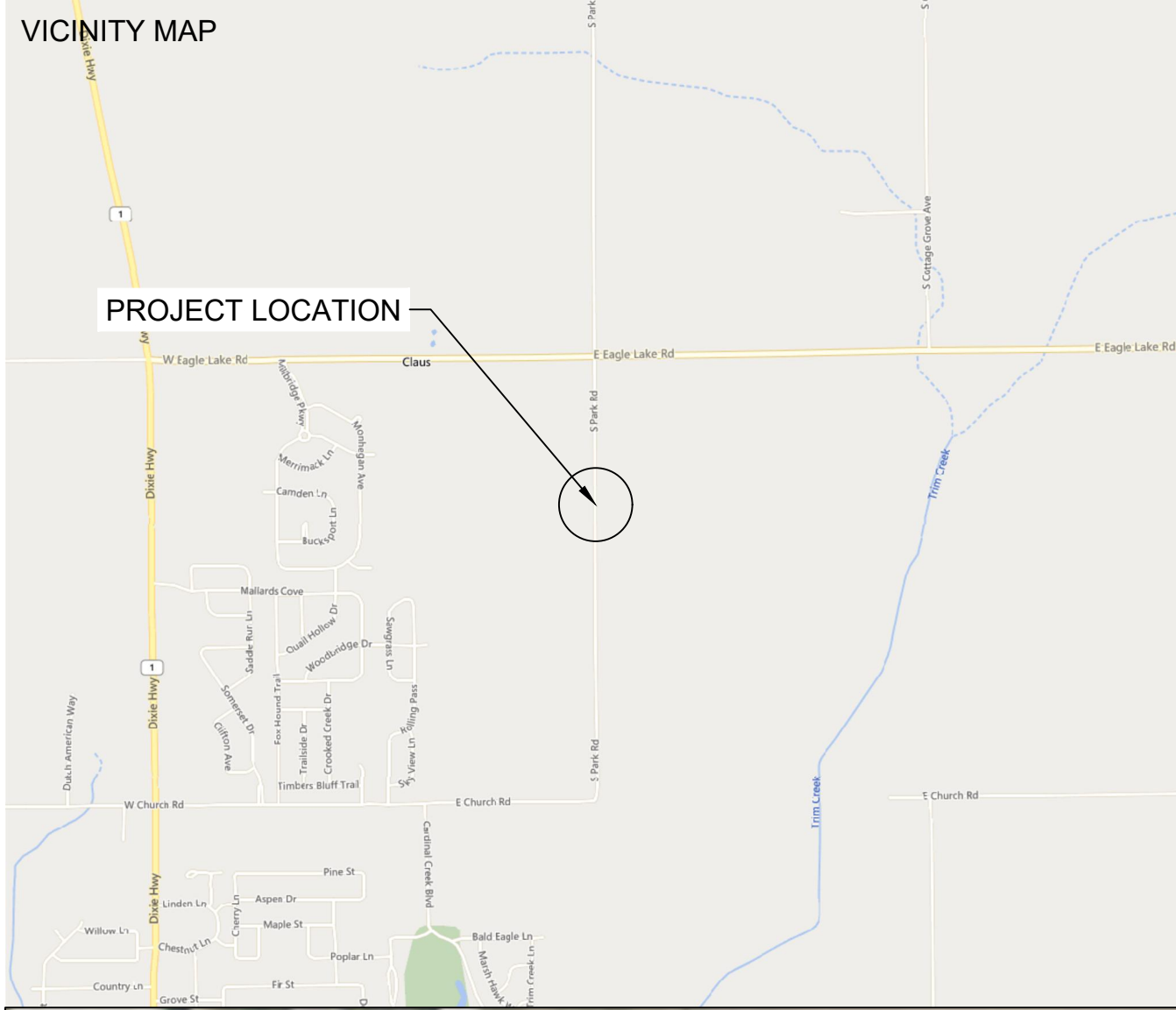
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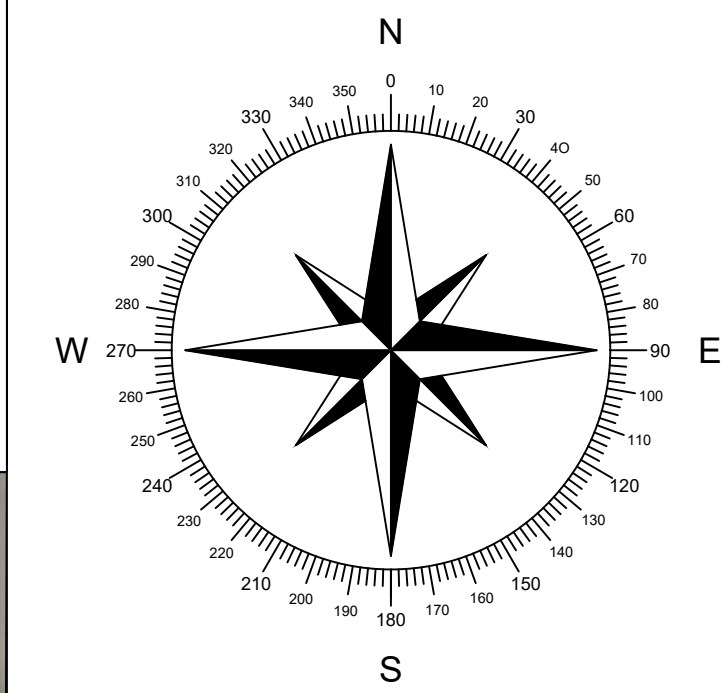
SCALE 1" AS NOTED

SHEET

T1



SPACE FOR PE STAMP:



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

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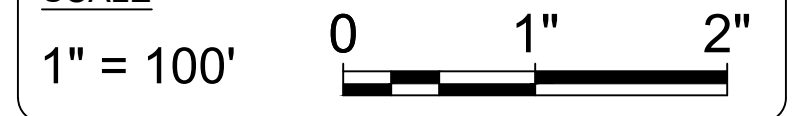
PROJECT NAME

SICILIANO

DRAWING TITLE

SITE PLAN

SCALE ¹



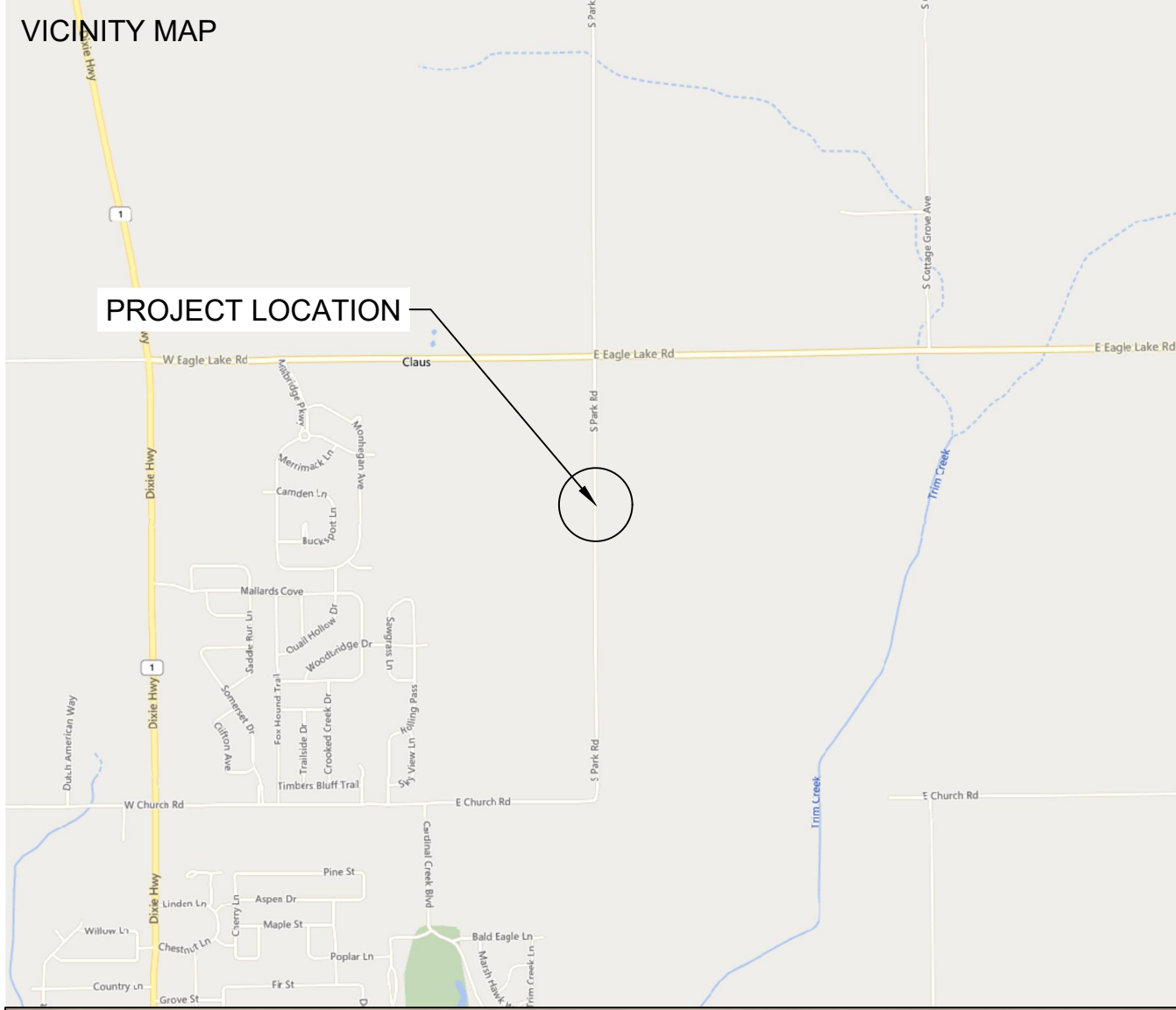
SHEET

PV1

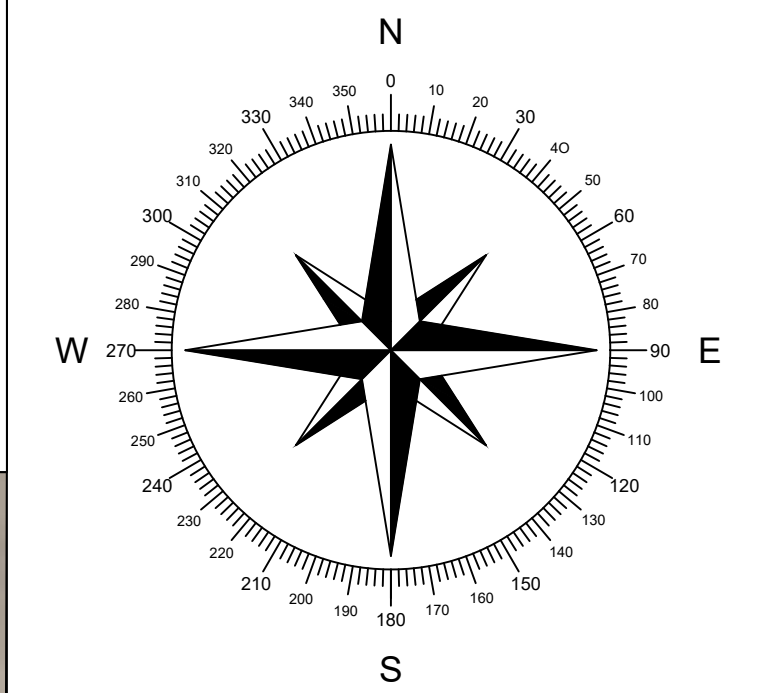
SHEET NOTES:
UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS



LEGEND	
PARCEL BOUNDARY (PID: 22-22-10-100-005-0000)	
50' SETBACK FROM PARCEL BOUNDARY	
S PARK RD ROW(50' OFFSET, NTS)	
EXISTING RESIDENTIAL DWELLINGS (150' SETBACK, NTS)	
EXISTING GAS LINE (42.5' SETBACK FROM CENTER, NTS)	
EXISTING OVERHEAD UTILITY LINE (COMED)	



SPACE FOR PE STAMP:



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS: 28964 S PARK AVE, BEECHER, IL 60401
LAT: 41.365
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RACKING	TBD
MONITORING	ALSO ENERGY

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WIND SPEED (ASCE 7-10)	105 MPH
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EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

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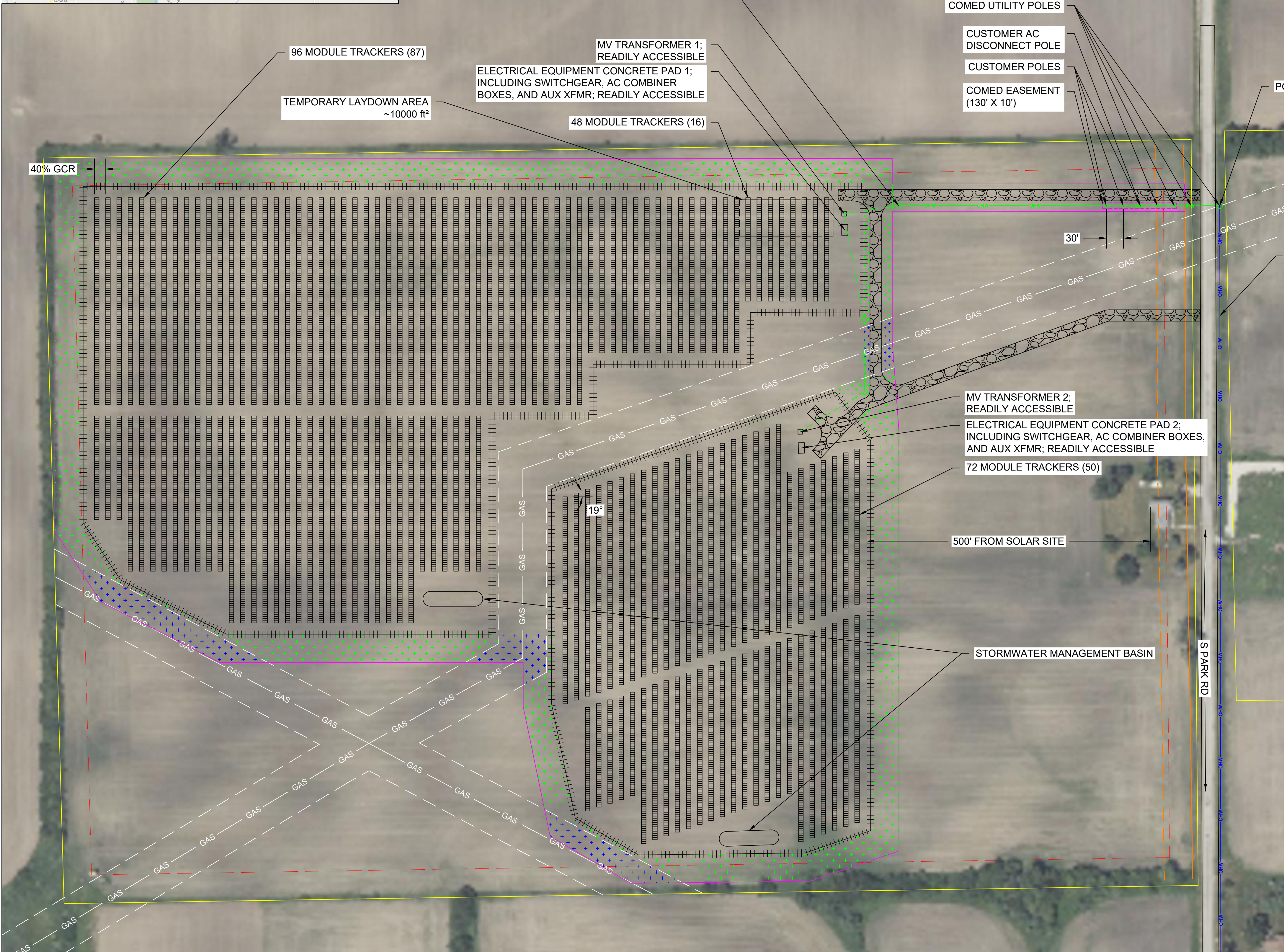
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PROJECT NAME
SICILIANO

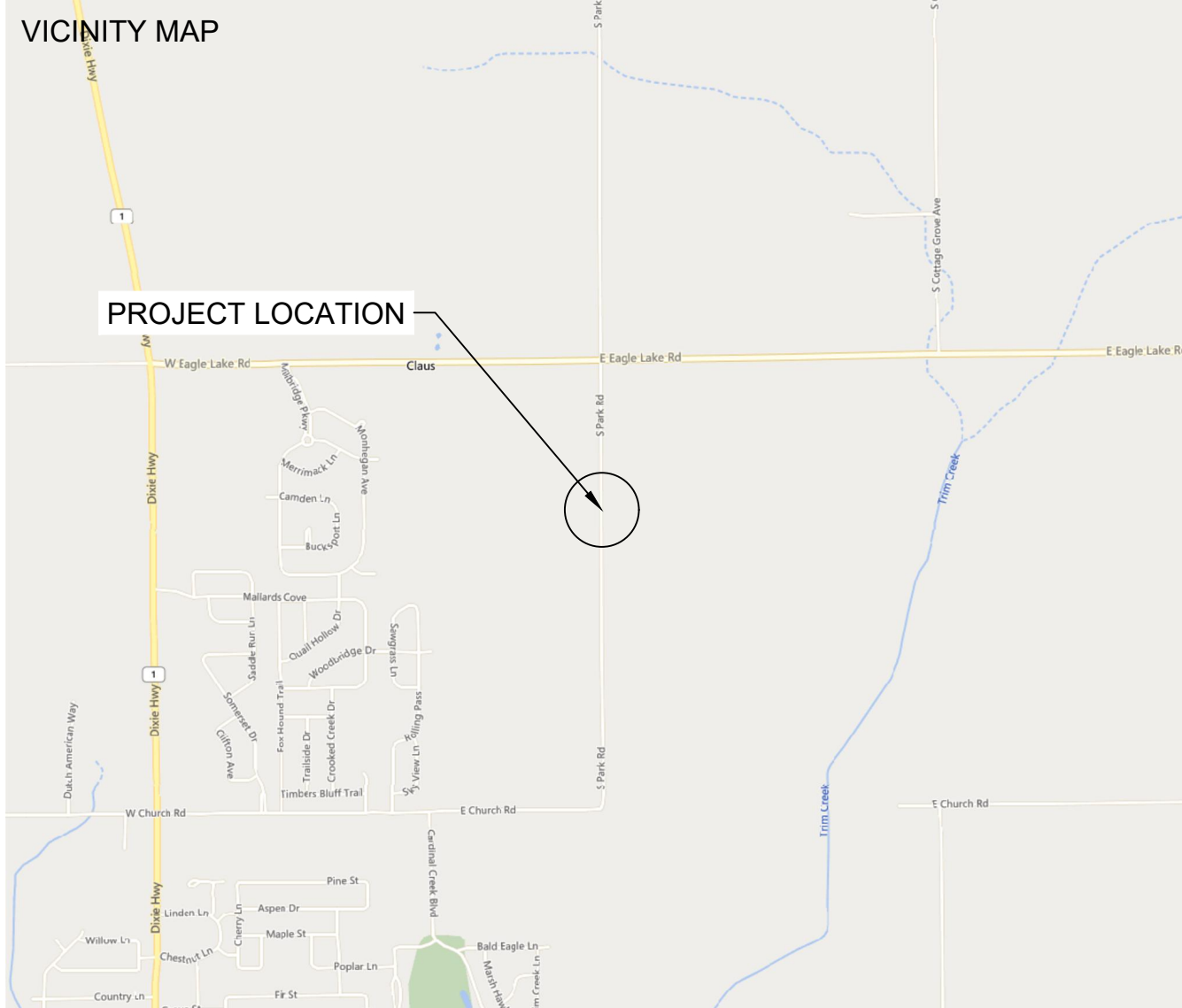
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SITE PLAN A

SCALE 1"
1" = 100'

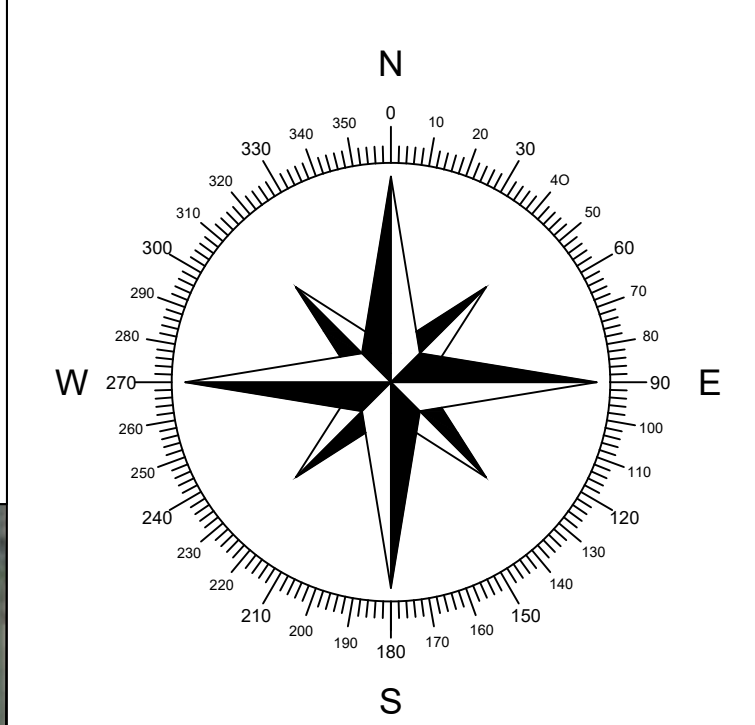
SHEET
PV2A



LEGEND	
PARCEL BOUNDARY (PID: 22-22-10-100-005-0000)	
50' SETBACK FROM PARCEL BOUNDARY	
S PARK RD ROW (50' OFFSET, NTS)	
POLLINATOR BUFFER (50' OFFSET FROM FENCE, NTS)	
NATURAL VEGETATION BUFFER	
EXISTING RESIDENTIAL DWELLINGS (150' SETBACK, NTS)	
EXISTING GAS LINE (42.5' SETBACK FROM CENTER, NTS)	
FACILITY AREA (35.8 ACRES)	
EXISTING 1-PH OVERHEAD UTILITY LINE (COMED, 0.8 MILE 3-PH EXTENSION)	
PROPOSED OVERHEAD LINE EXTENSION (700')	
PROPOSED NEW UNDERGROUND ELECTRICAL LINE (420')	
ARRAY FENCE LINE (4395', 17.33 ACRES & 2450', 9.2 ACRES TOTAL 6845', 26.53 ACRES)	
20' WIDE ACCESS ROAD, 1750' LONG	



SPACE FOR PE STAMP:



SHEET NOTES:
UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
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OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS			
#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

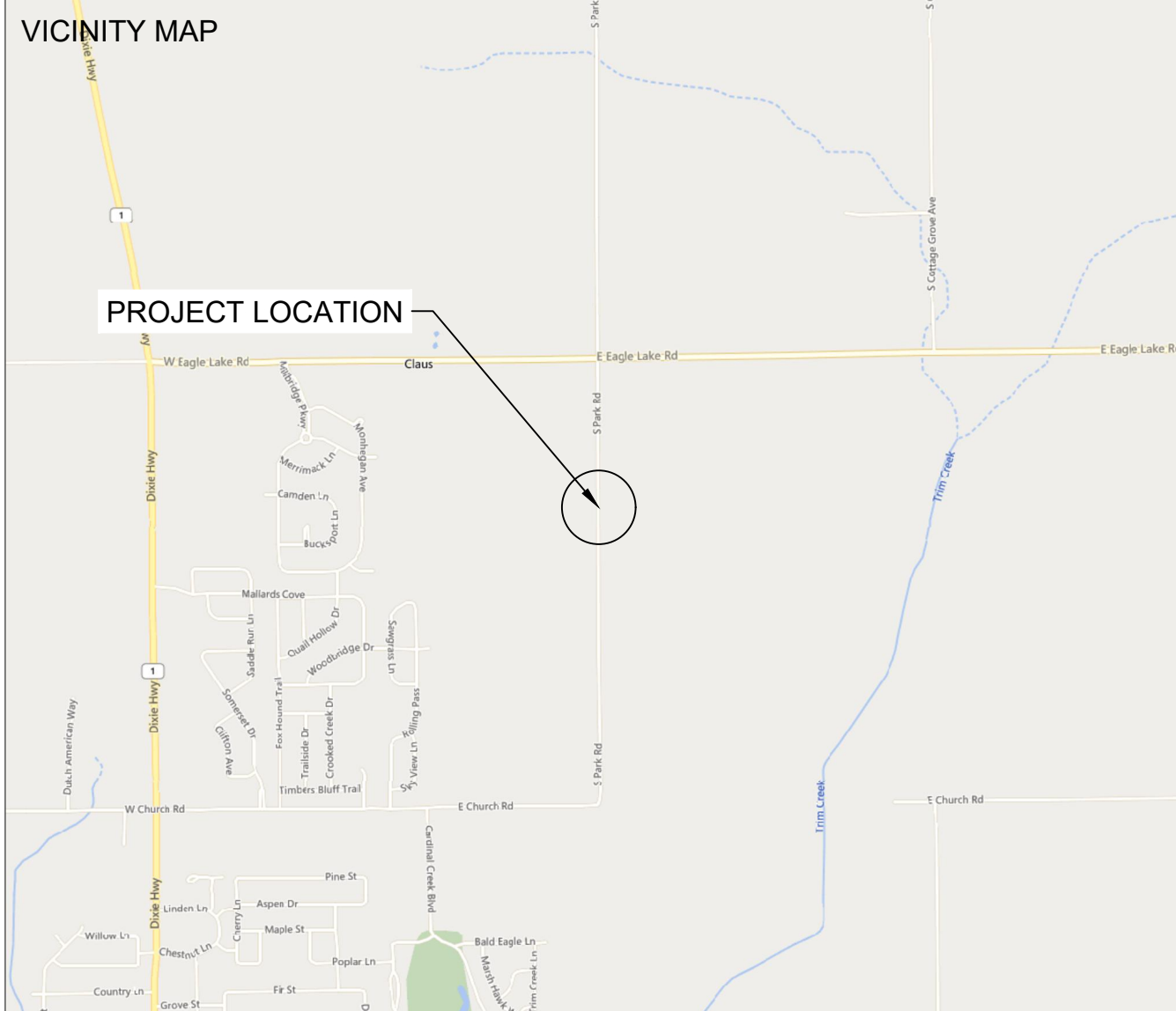
PROJECT NAME
SICILIANO

DRAWING TITLE
SITE PLAN B

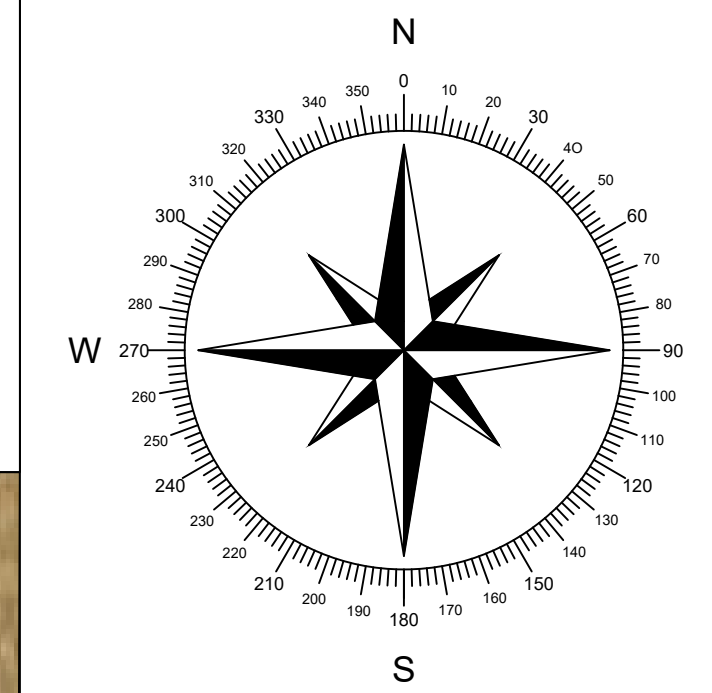
SCALE ¹
1" = 250'

SHEET
PV2B

LEGEND	
PARCEL BOUNDARY (PID: 22-22-10-100-005-0000)	
50' SETBACK FROM PARCEL BOUNDARY	
S PARK RD ROW (50' OFFSET, NTS)	
POLLINATOR BUFFER (50' OFFSET FROM FENCE, NTS)	
NATURAL VEGETATION BUFFER	
EXISTING RESIDENTIAL DWELLINGS (150' SETBACK, NTS)	
EXISTING GAS LINE (42.5' SETBACK FROM CENTER, NTS)	
FACILITY AREA (35.8 ACRES)	
EXISTING OVERHEAD UTILITY LINE (COMED, FEEDER F165)	
EXISTING 1-PH OVERHEAD UTILITY LINE (COMED, 0.8 MILE 3-PH EXTENSION)	
PROPOSED OVERHEAD LINE EXTENSION (735')	
PROPOSED NEW UNDERGROUND ELECTRICAL LINE (230')	
ARRAY FENCE LINE (4395', 17.33 ACRES & 2450', 9.2 ACRES TOTAL 6845', 26.53 ACRES)	
20' WIDE ACCESS ROAD, 1750' LONG	



SPACE FOR PE STAMP:



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SHEET NOTES:

UTILITY POLES ARE SHOWN FOR INDICATING LOCATIONS ONLY. SPACING BETWEEN POLES, PHYSICAL PROTECTION BARRIER FOR SWITCHBOARDS, ETC. WILL BE ADDED IN THE DRAWINGS PREPARED FOR THE CONSTRUCTION DOCUMENTS

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES

E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

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5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME

SICILIANO

DRAWING TITLE

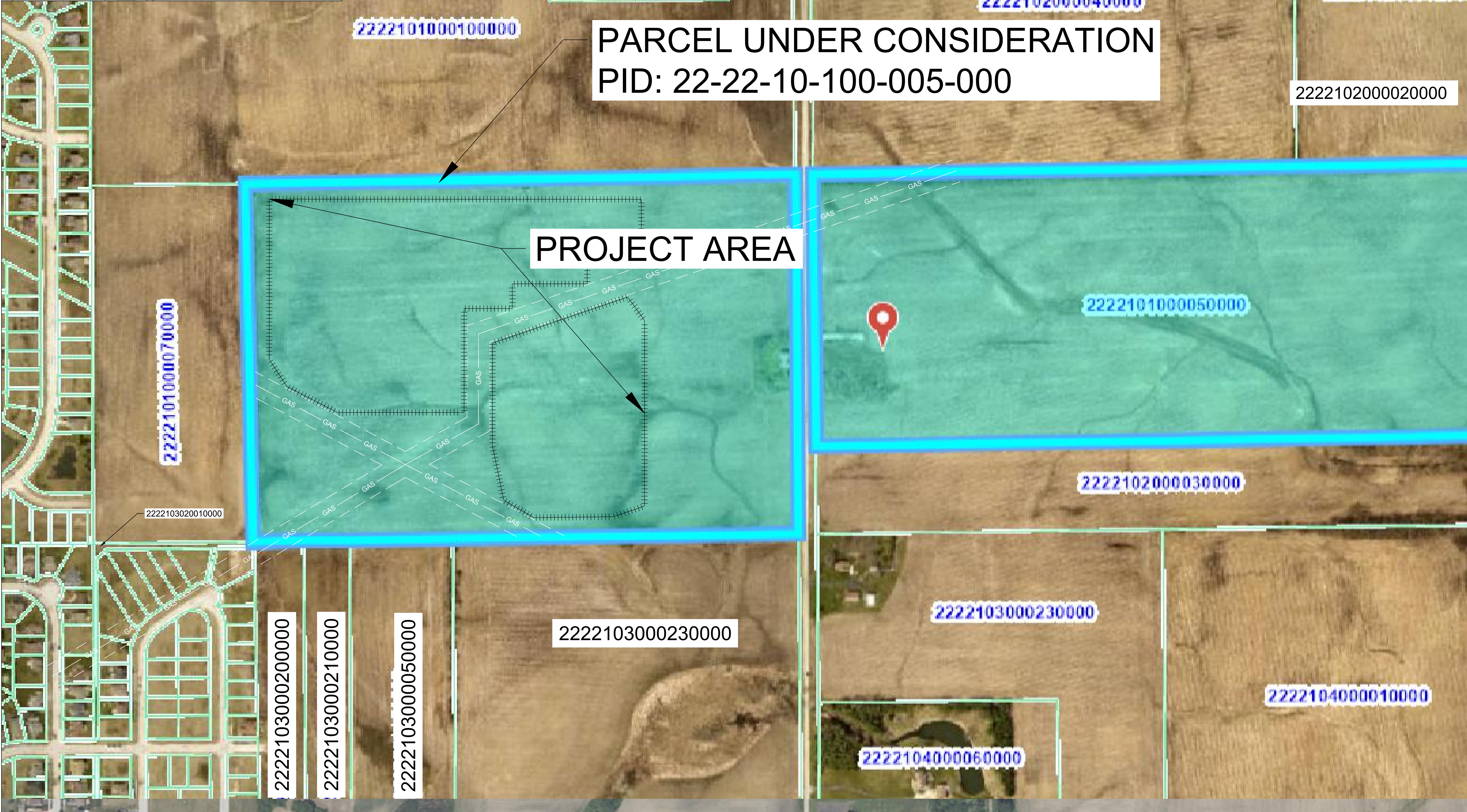
PID MAP

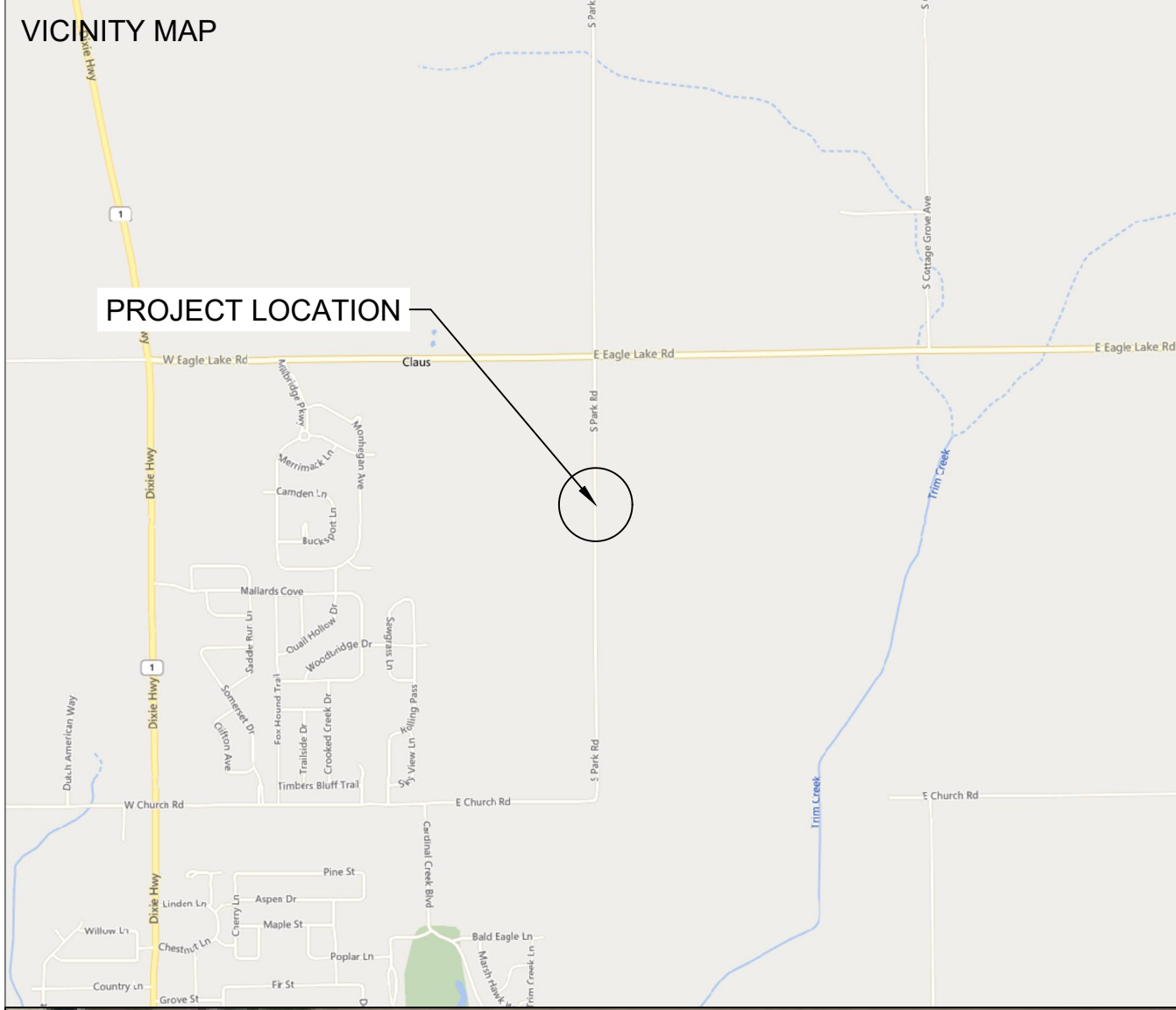
SCALE ¹

1" = 180'

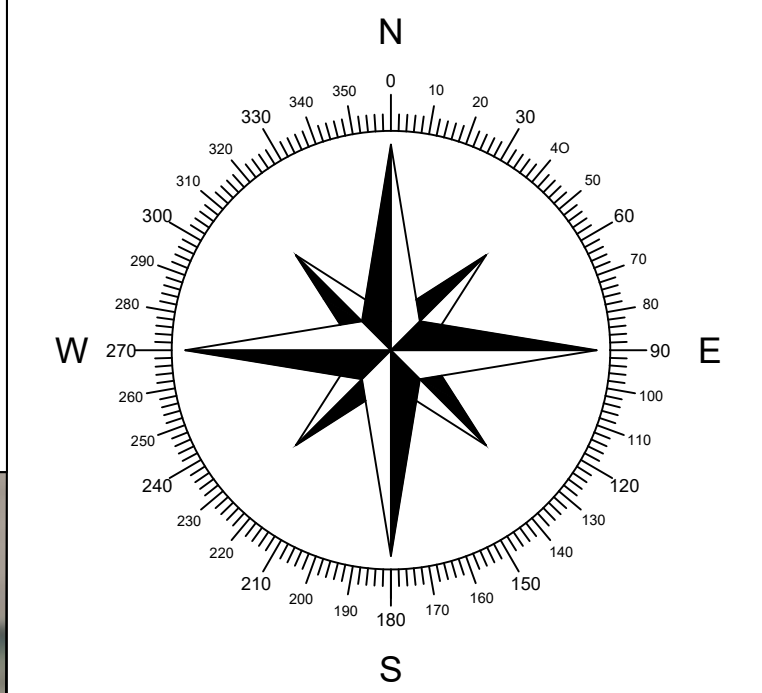
SHEET

PV3





SPACE FOR PE STAMP:



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SHEET NOTES:
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SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
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AZIMUTH	180°
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MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA	
MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

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24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

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6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME
SICILIANO

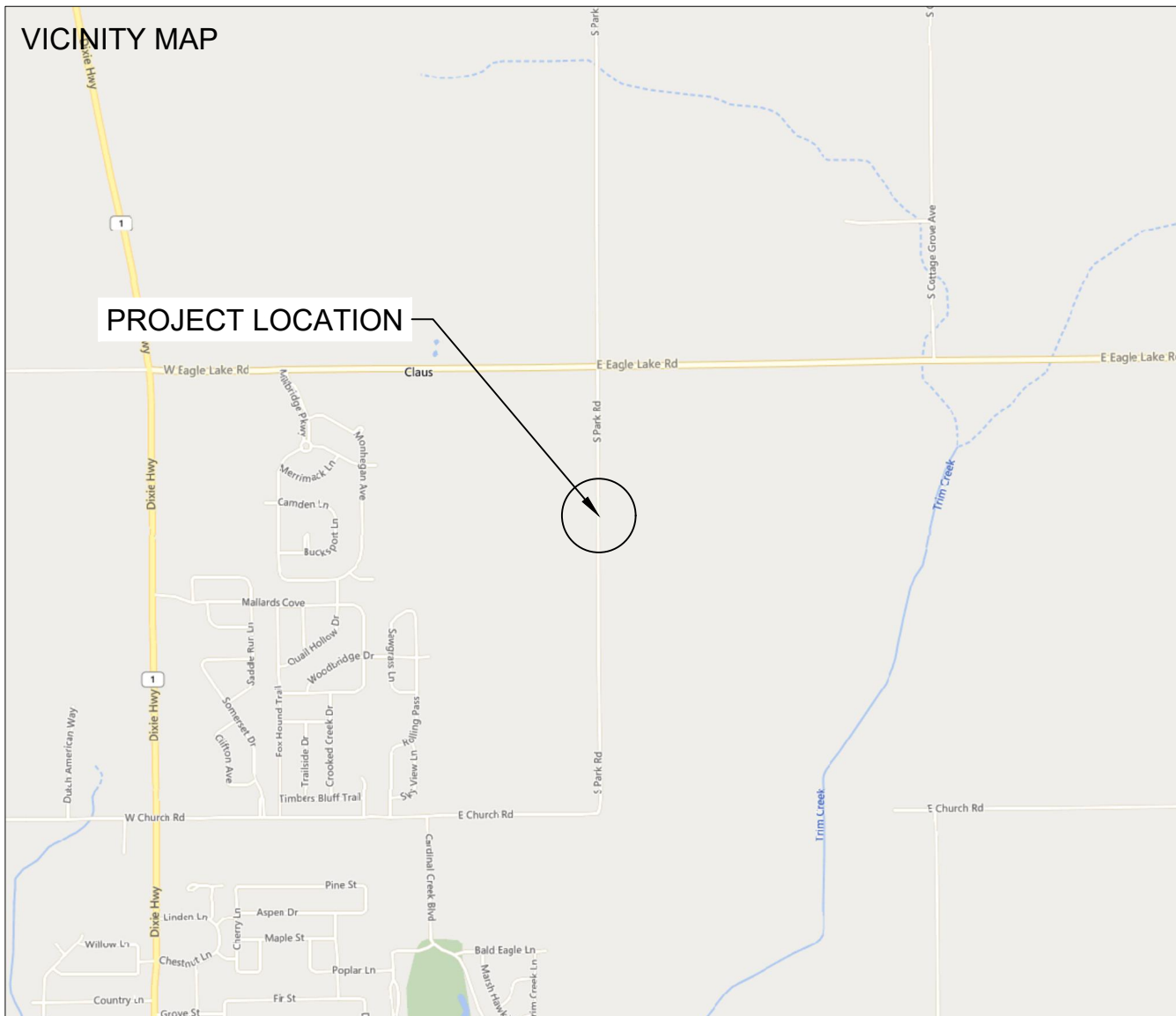
DRAWING TITLE
SOIL MAP

SCALE ¹
1" = 100'

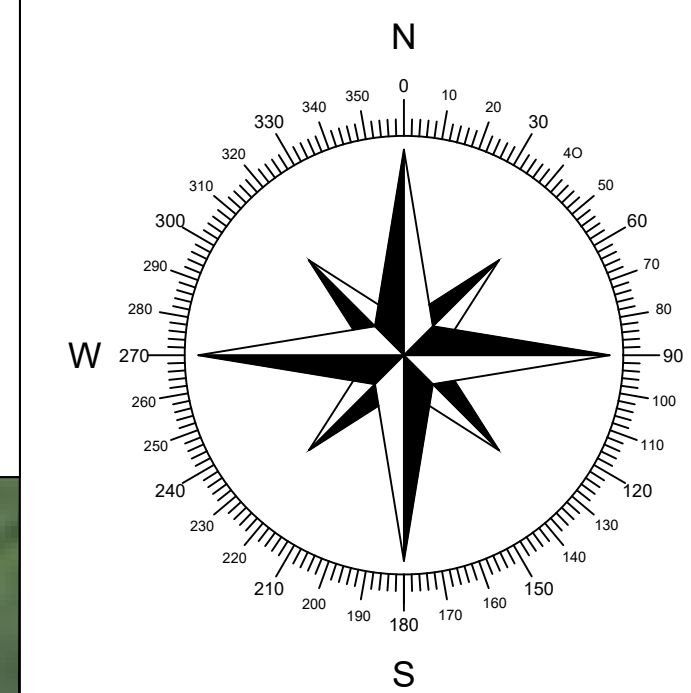
SHEET
PV4



SOIL MAP LEGEND	
MAP UNIT SYMBOL	MAP UNIT NAME
232A	ASHKUM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
298B	BEECHER SILT LOAM, 2 TO 4 PERCENT SLOPES
298B2	BEECHER SILT LOAM 2 TO 4 PERCENT SLOPES



SPACE FOR PE STAMP:



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SHEET NOTES:

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INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

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EXPOSURE CATEGORY	C
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OTHER NOTES

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6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
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11			

PROJECT NAME

SICILIANO

DRAWING TITLE

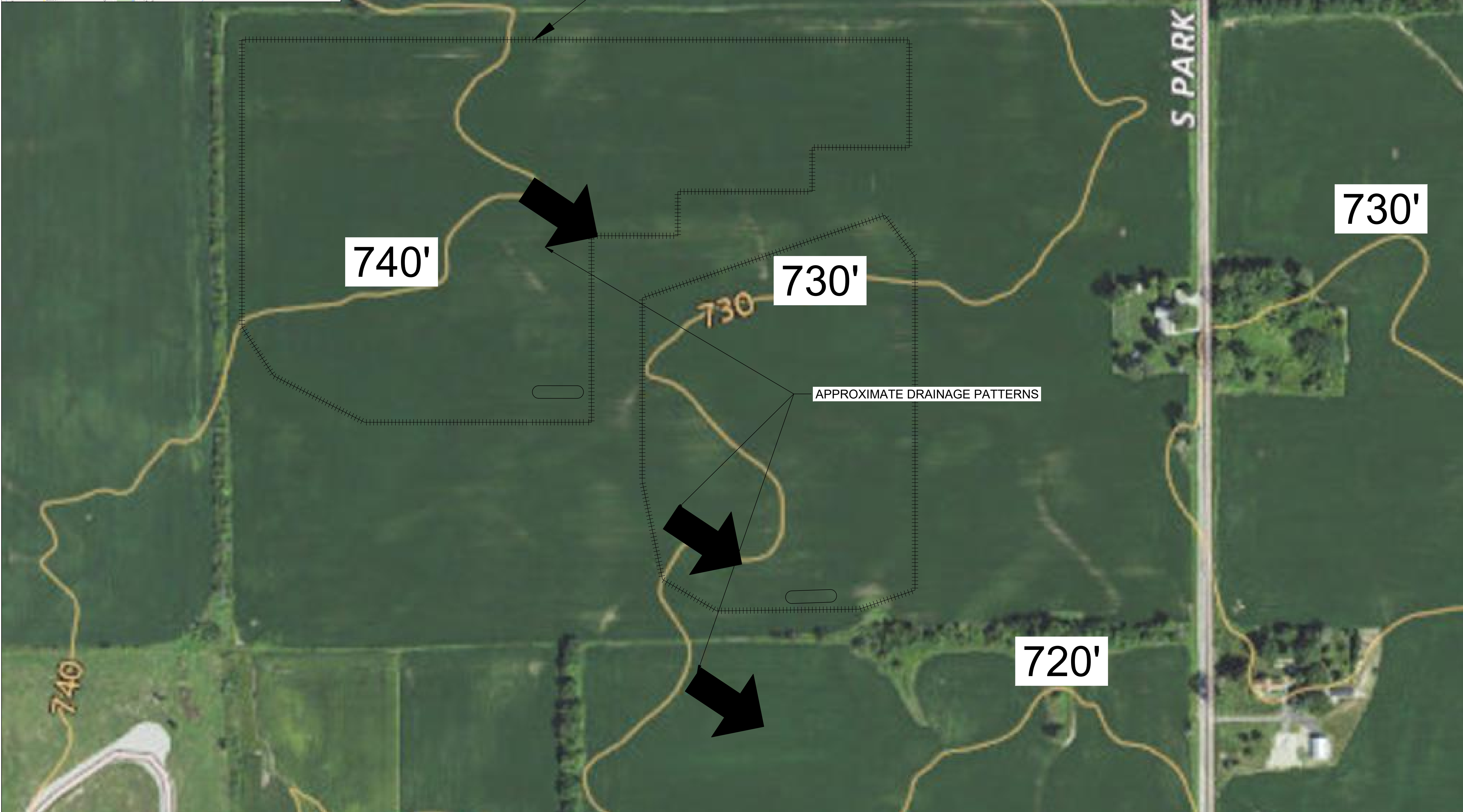
TOPOGRAPHY & DRAINAGE

SCALE¹

1" = 100'

SHEET

PV5



PROJECT AREA

S PARK AVE

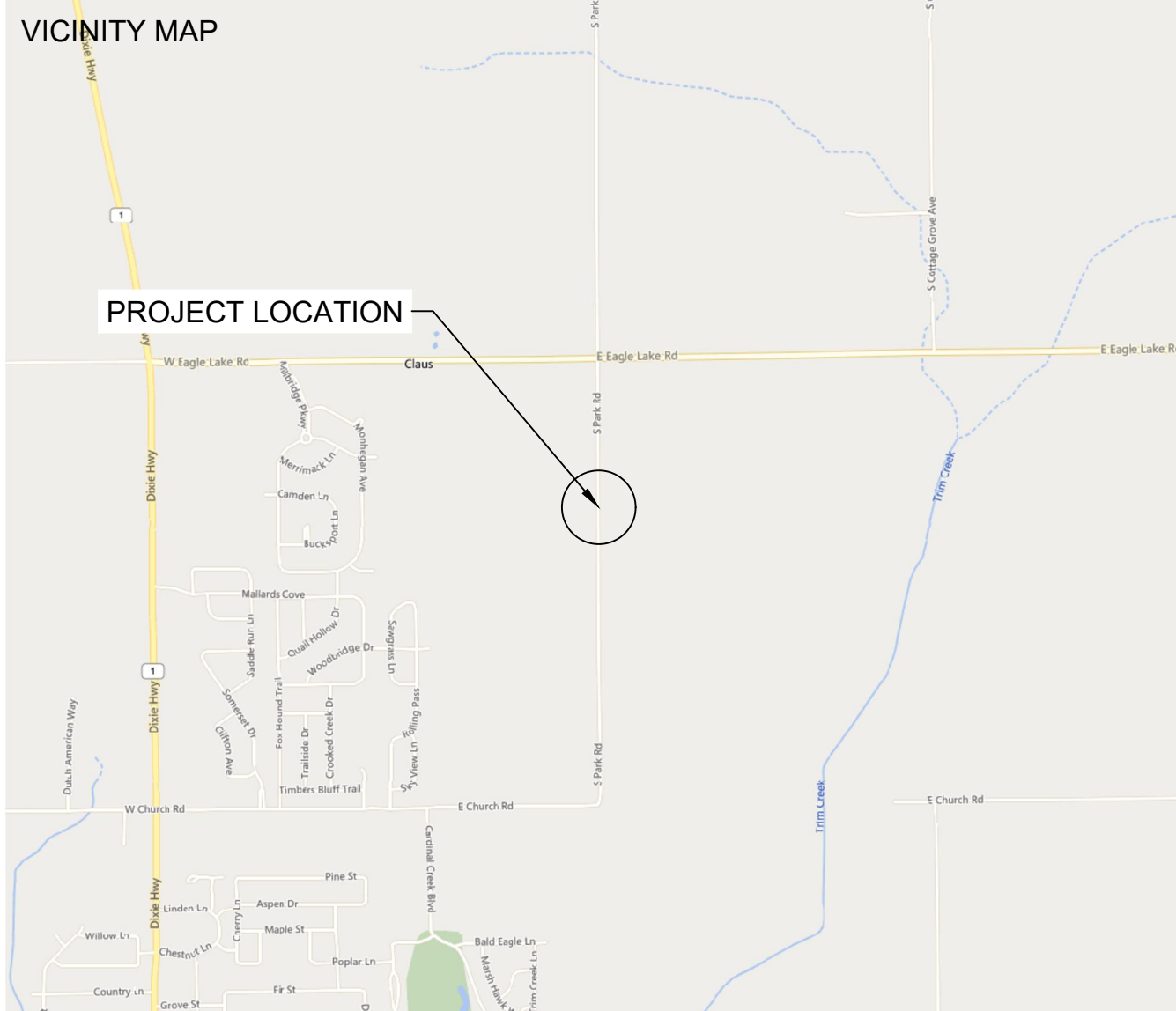
740'

730'

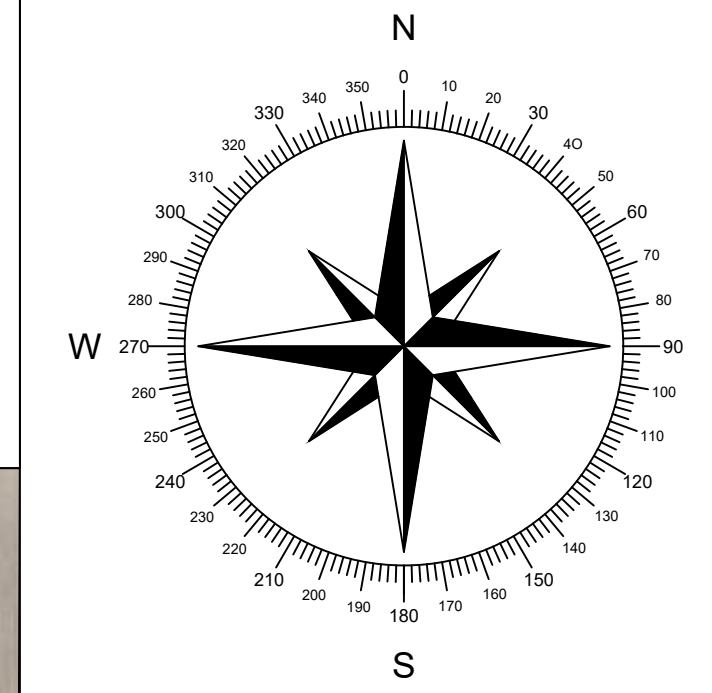
730'

720'

APPROXIMATE DRAINAGE PATTERNS



SPACE FOR PE STAMP:



SHEET NOTES:

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2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SYSTEM SPECIFICATIONS

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SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
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MODULE COUNT	12720
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MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
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7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME

SICILIANO

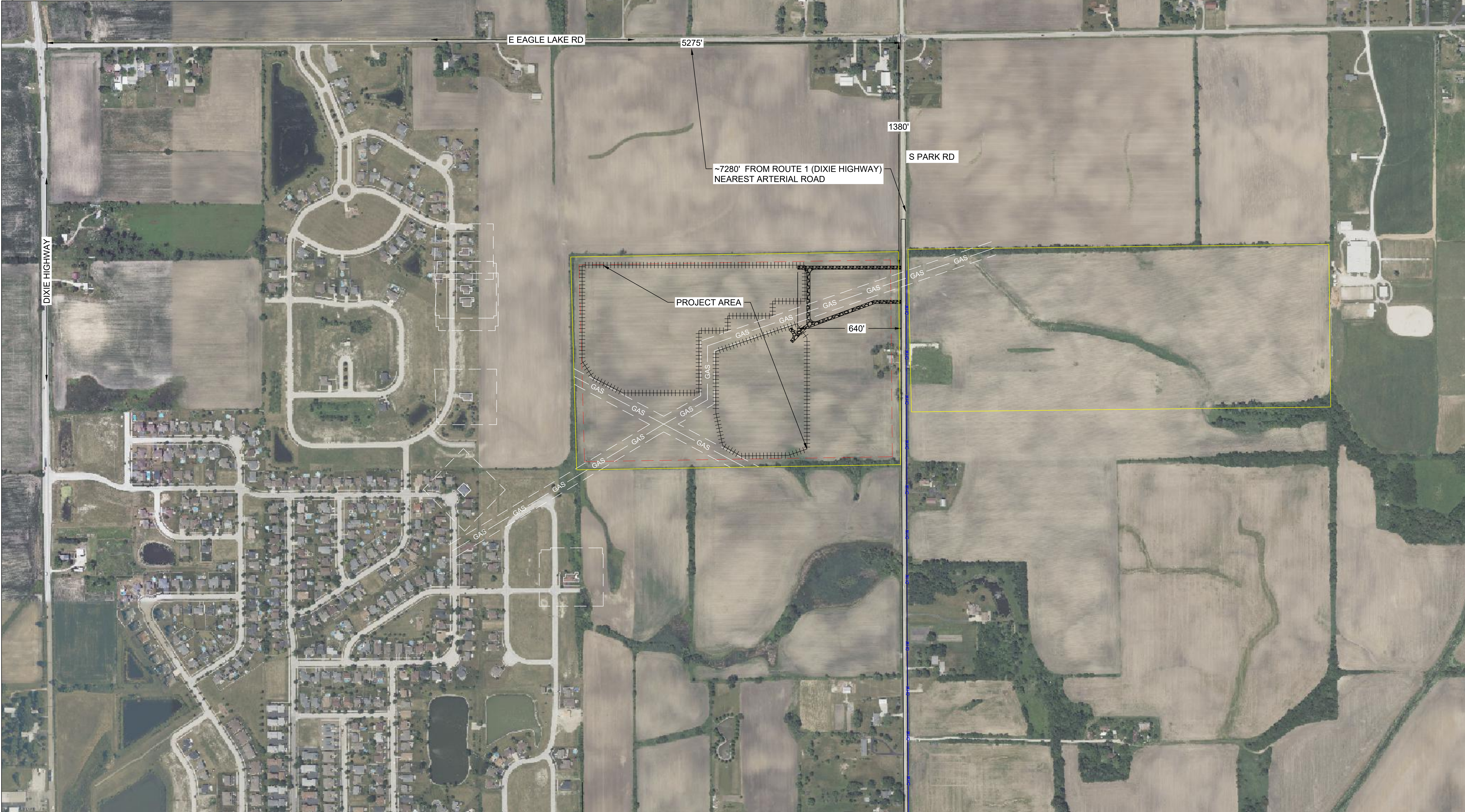
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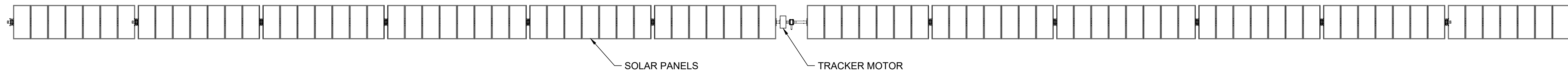
CONSTRUCTION & MAINTENANCE ROUTES

SCALE: 1" = 200'

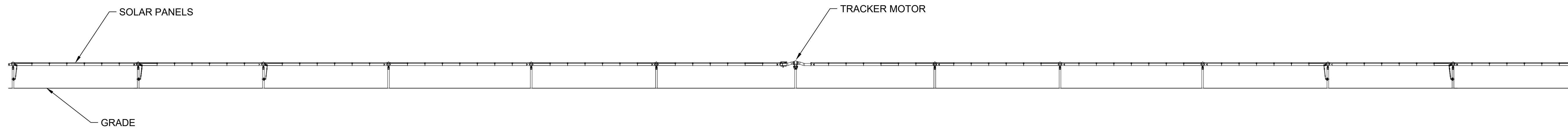
SHEET

PV6

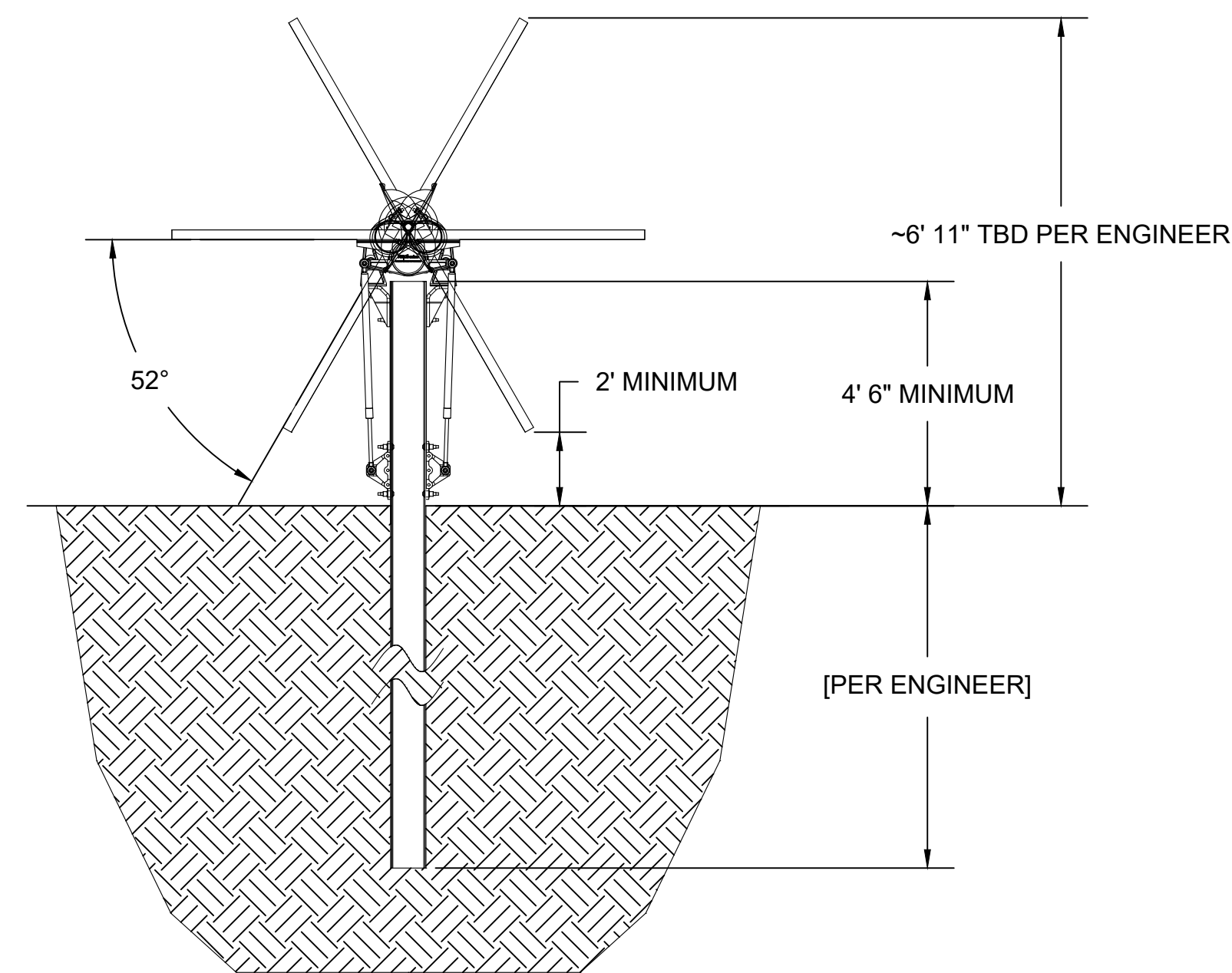




1 SINGLE AXIS TRACKER TOP DOWN VIEW
NTS



2 SINGLE AXIS TRACKER EAST-WEST ELEVATION
NTS



3 SINGLE AXIS TRACKER NORTH-SOUTH ELEVATION
NTS

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

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INTERCONNECTION TYPE: PRIMARY

REVISIONS

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1	CUP PACKAGE	SP	3/22/2023
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4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME

SICILIANO

DRAWING TITLE

SAT RACKING DETAIL

SCALE ¹

NTS

SHEET

PV7

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
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PROJECT NAME

SICILIANO

DRAWING TITLE

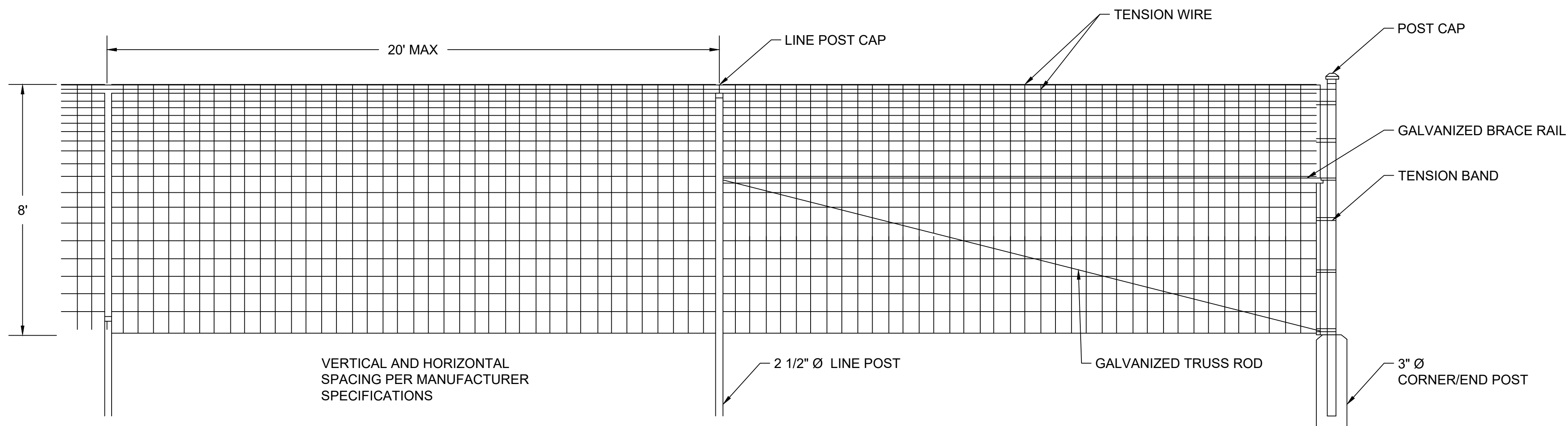
FENCE DETAIL

SCALE ¹

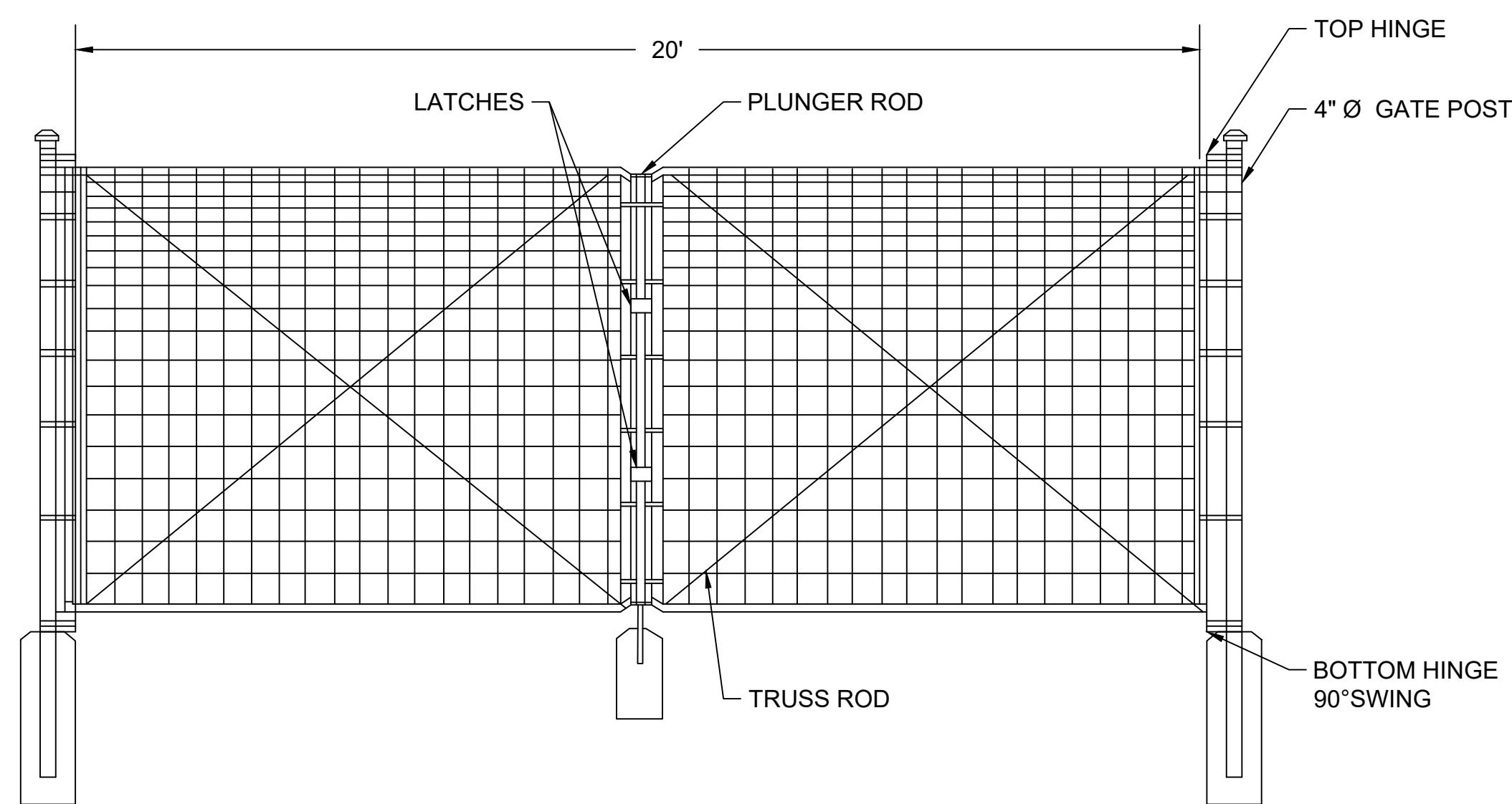
NTS

SHEET

PV8



1 8' FIXED KNOT FENCE NTS



2 8' FIXED KNOT FENCE GATE NTS

NOTE:
1. THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION.
2. DO NOT SCALE DRAWING

SYSTEM SPECIFICATIONS

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SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
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AZIMUTH	180°
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MODULE STC RATING	580 W
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PROJECT NAME

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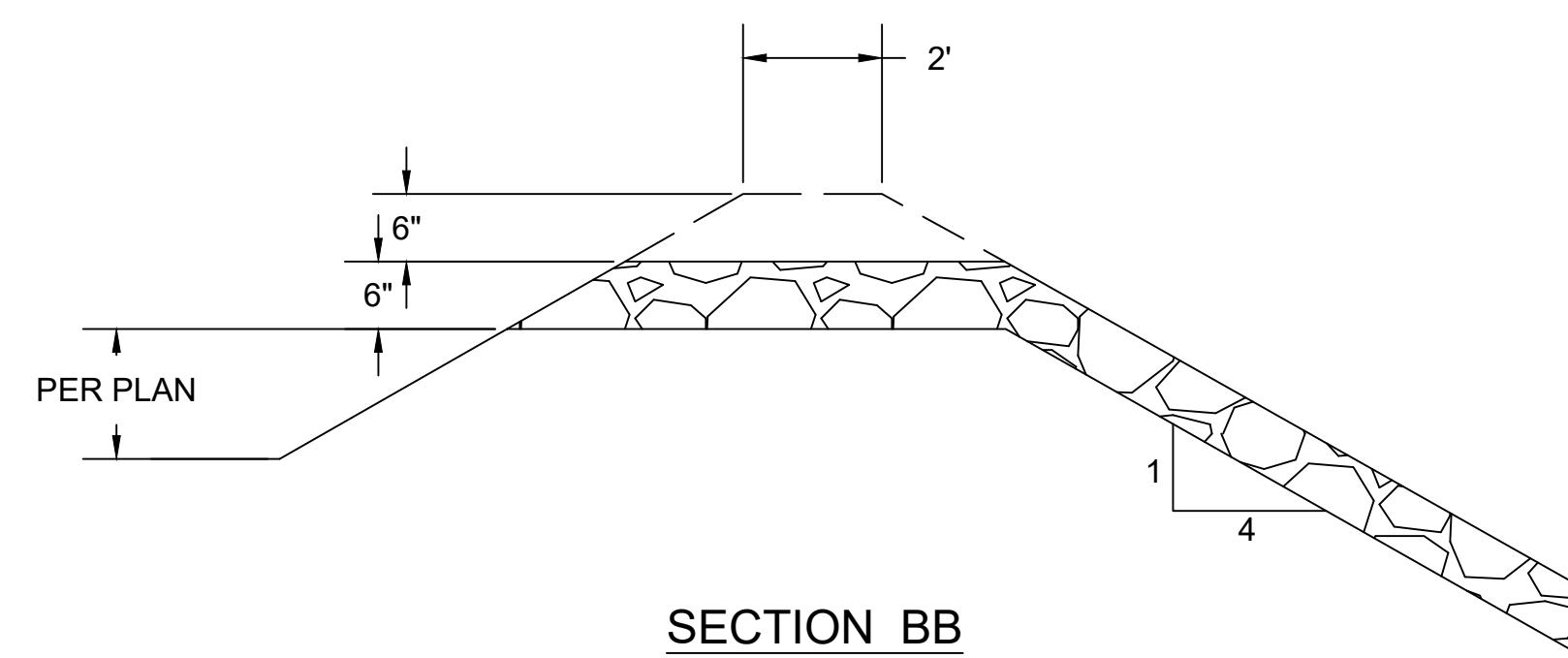
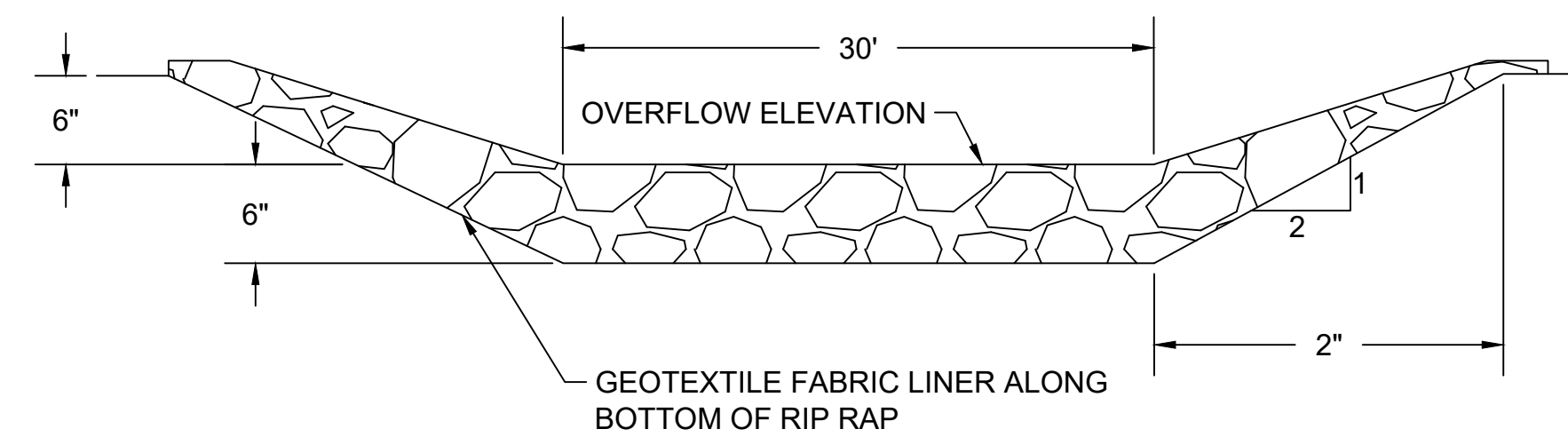
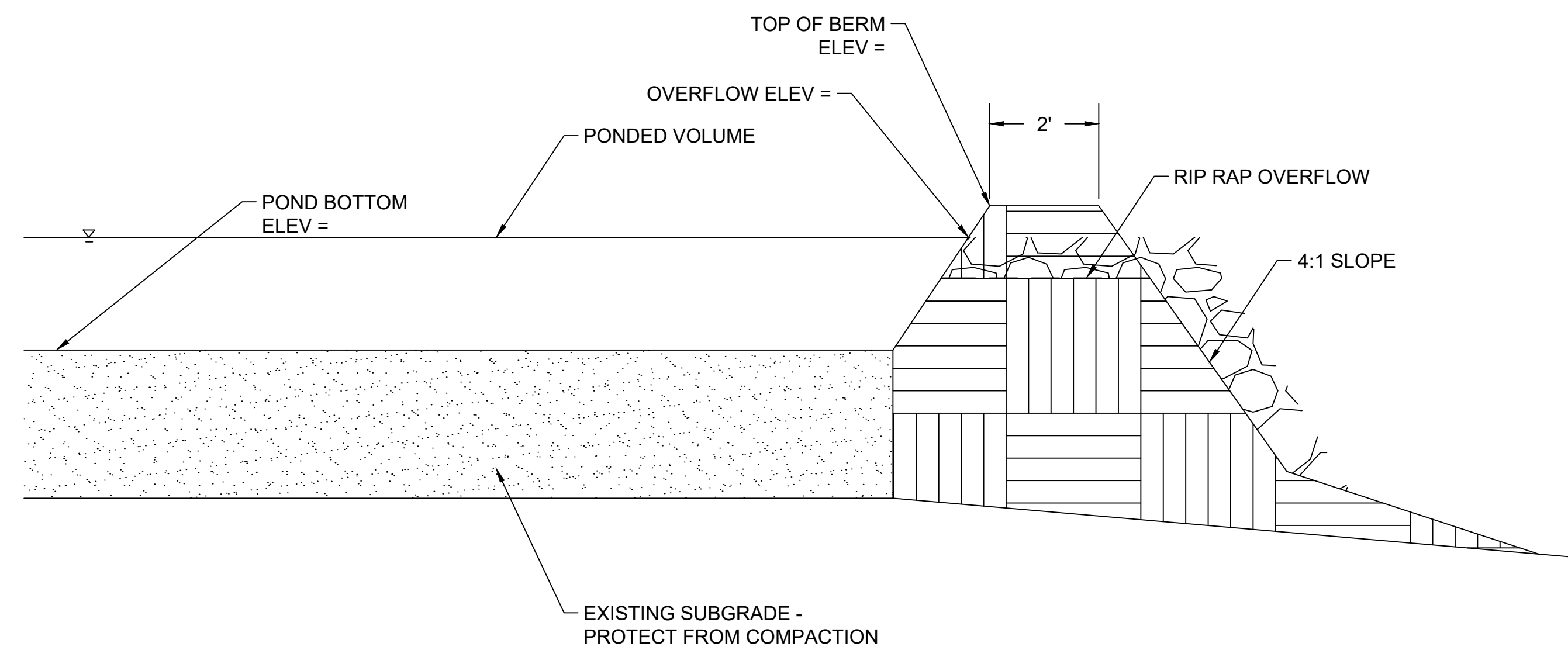
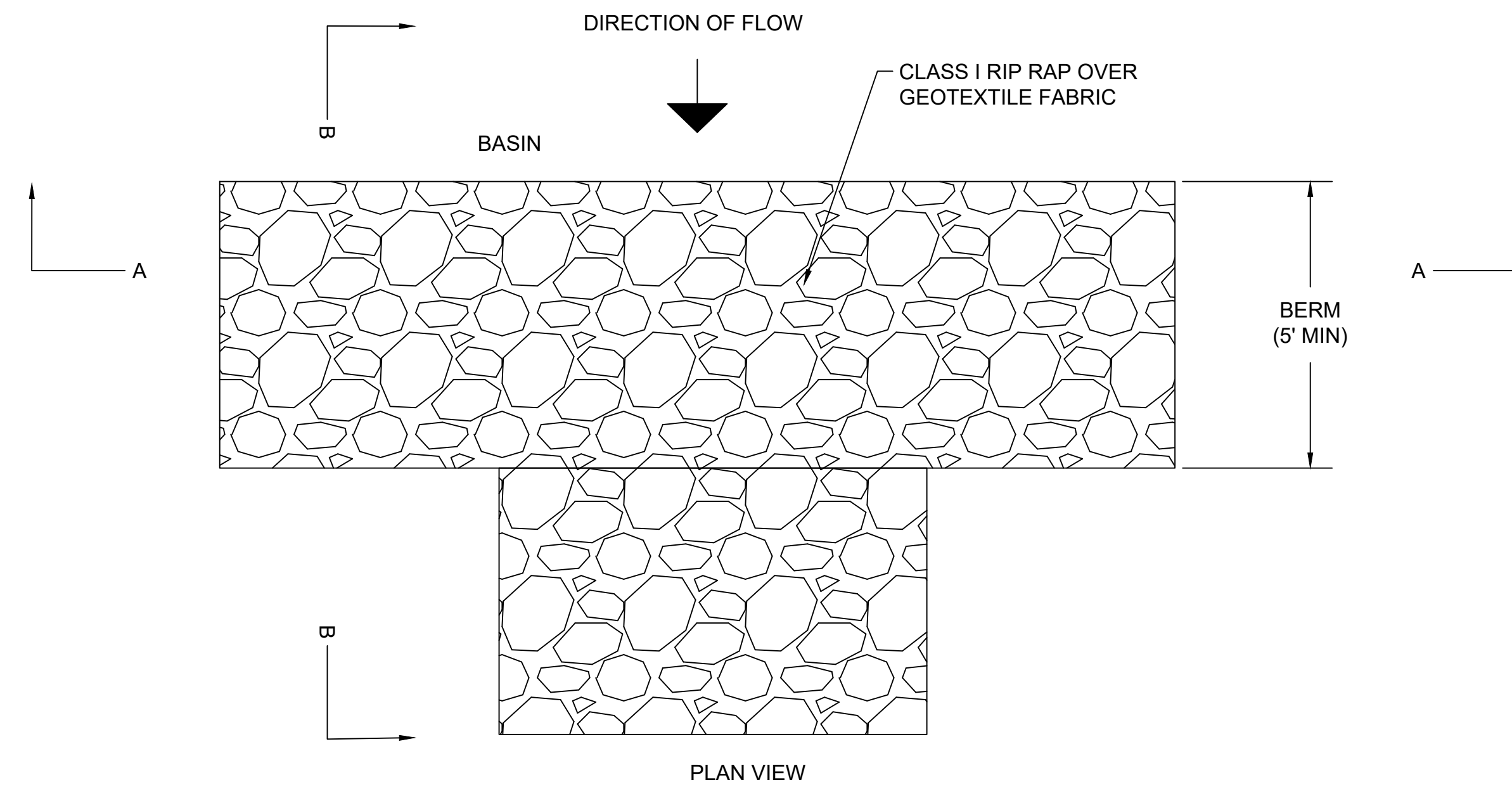
STORMWATER BASIN DETAIL

SCALE¹

NTS

SHEET

PV9



1 INFILTRATION BASIN
NTS

2 RIP RAP OVERFLOW
NTS

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
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11			

PROJECT NAME

SICILIANO

DRAWING TITLE

SCREENING PLAN

SCALE¹

NTS

SHEET

PV10



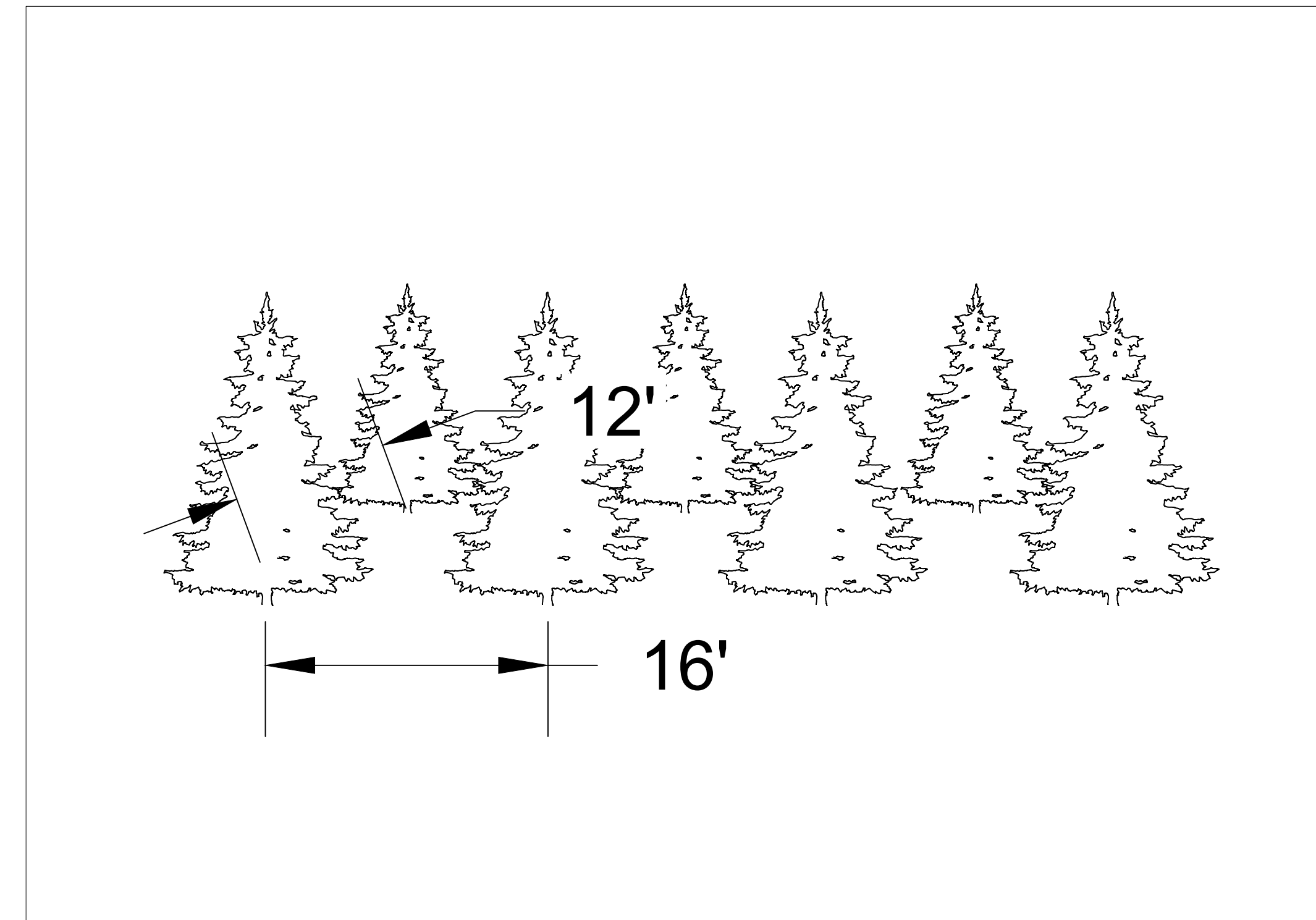
PLANTING SCHEDULE

TYPE : BLACK HILLS SPRUCE

HEIGHT : 6' MIN WITHIN 3 YEARS OF PLANTING

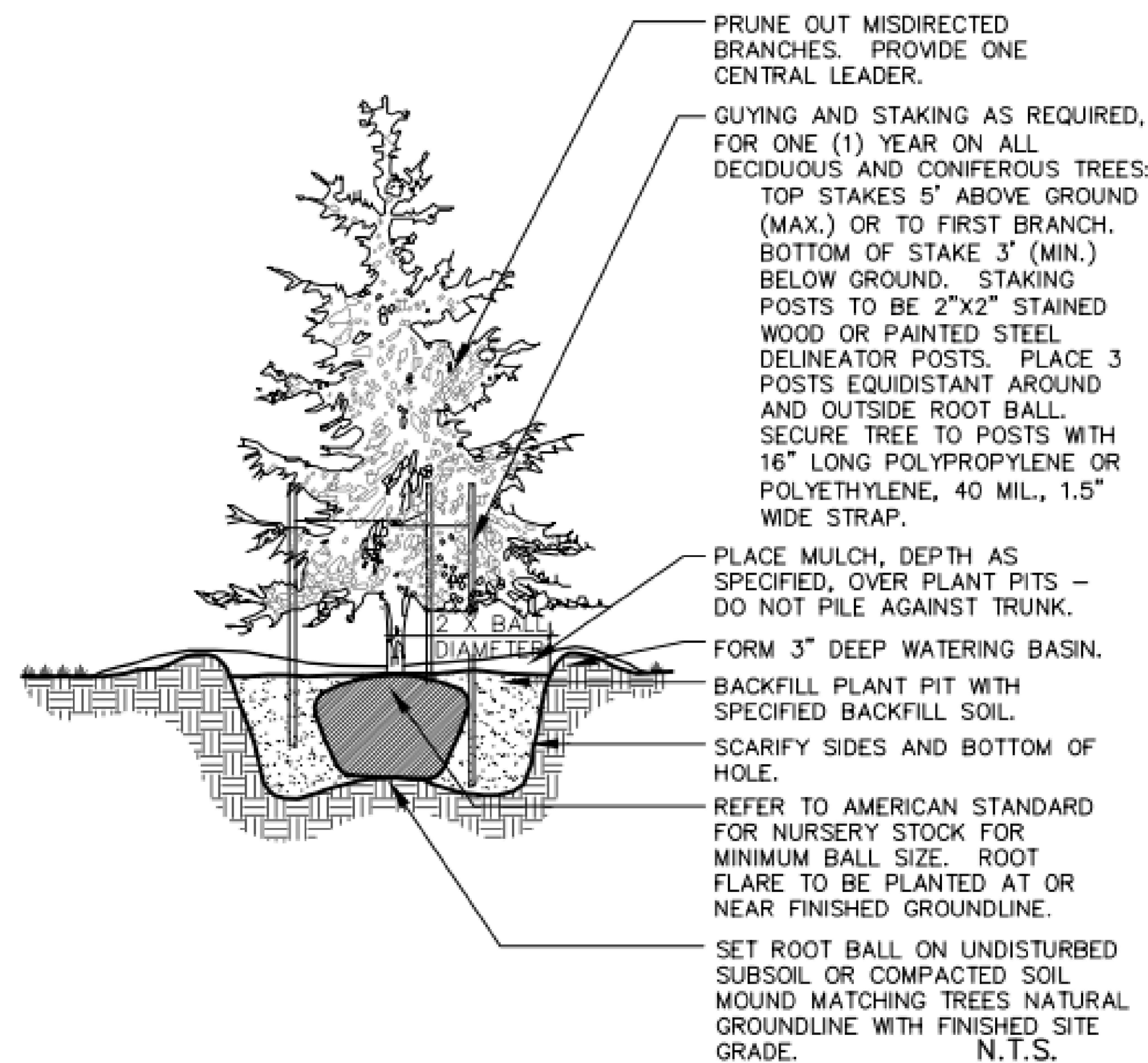
NUMBER OF ROWS: 2

SPACING: 16' O.C.



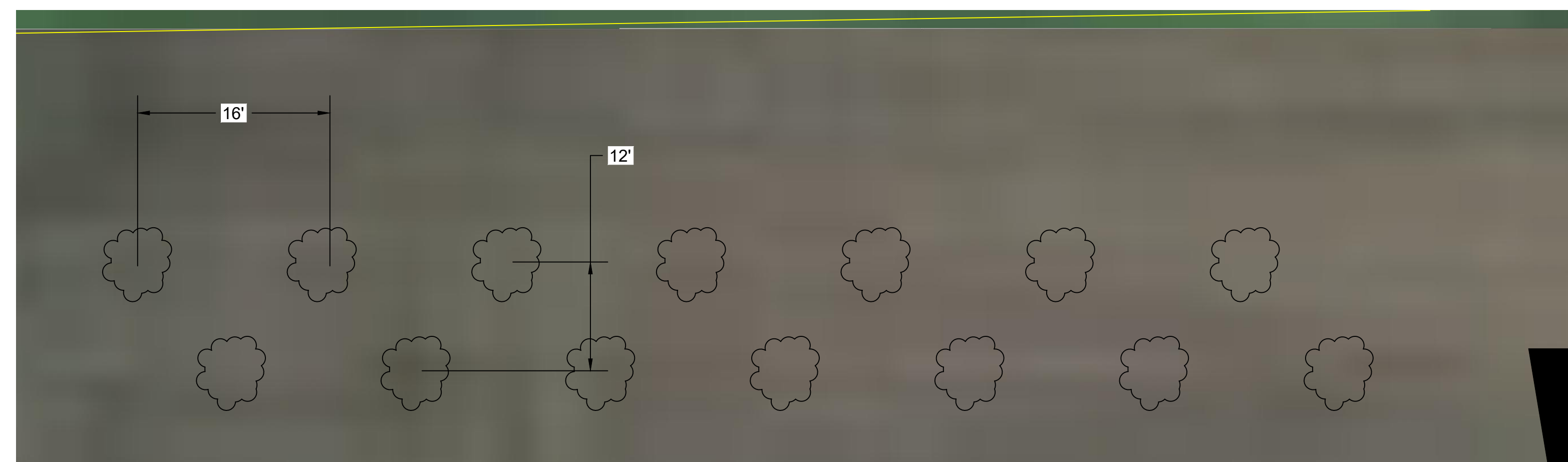
Scale: N.T.S.

1 BLACK HILLS SPRUCE SCREENING



2 EVERGREEN PLANTING DETAIL

Scale: N.T.S.



3 PLAN VIEW

1" = 8'

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME

SICILIANO

DRAWING TITLE

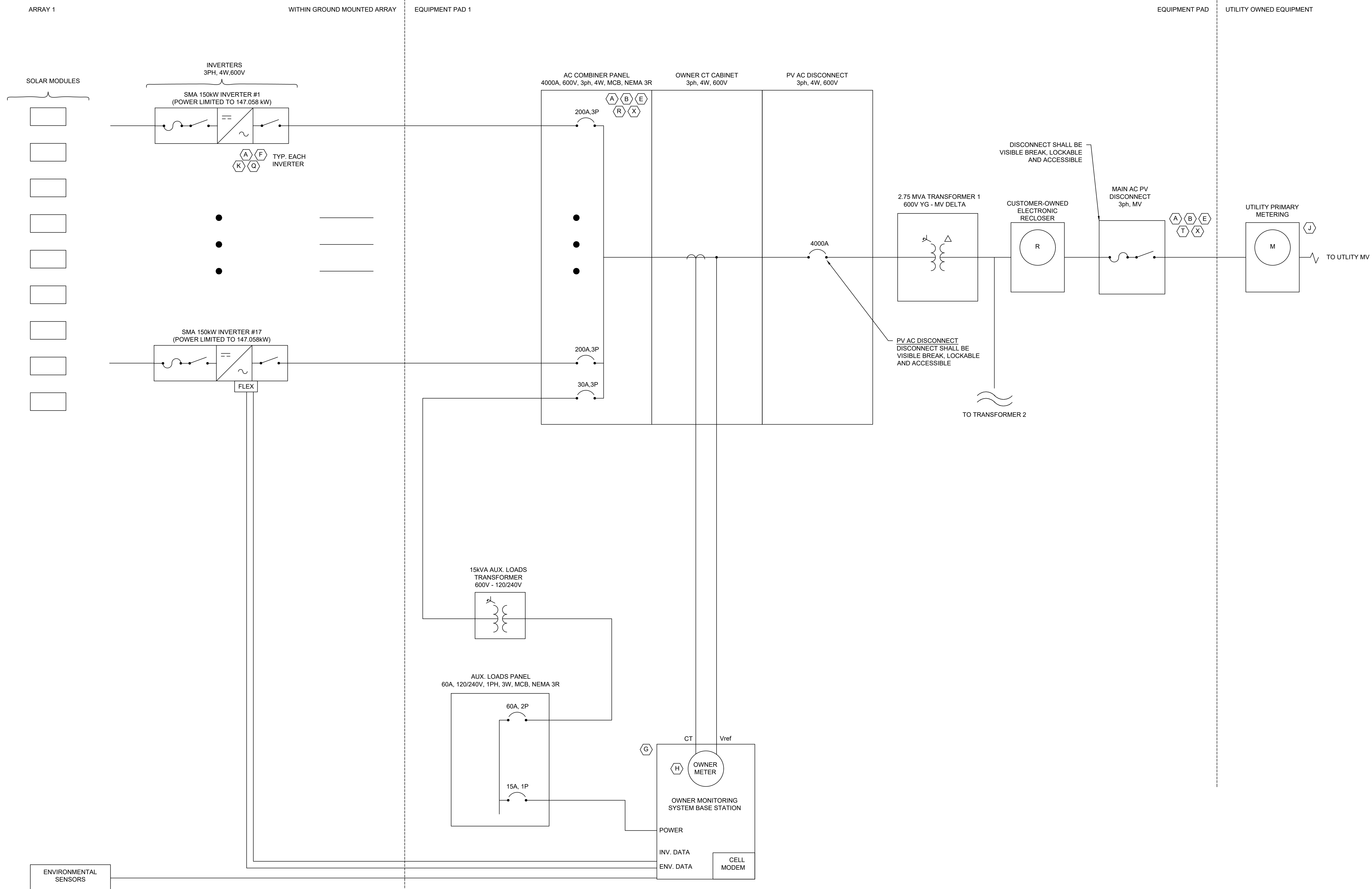
SINGLE LINE

SCALE ¹

NTS

SHEET

E1A



NOTE:
A INDICATES LABEL REQUIRED, SEE DWG E2

NOTE: SMA INVERTERS ARE UL1741 CERTIFIED

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7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
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PROJECT NAME

SICILIANO

DRAWING TITLE

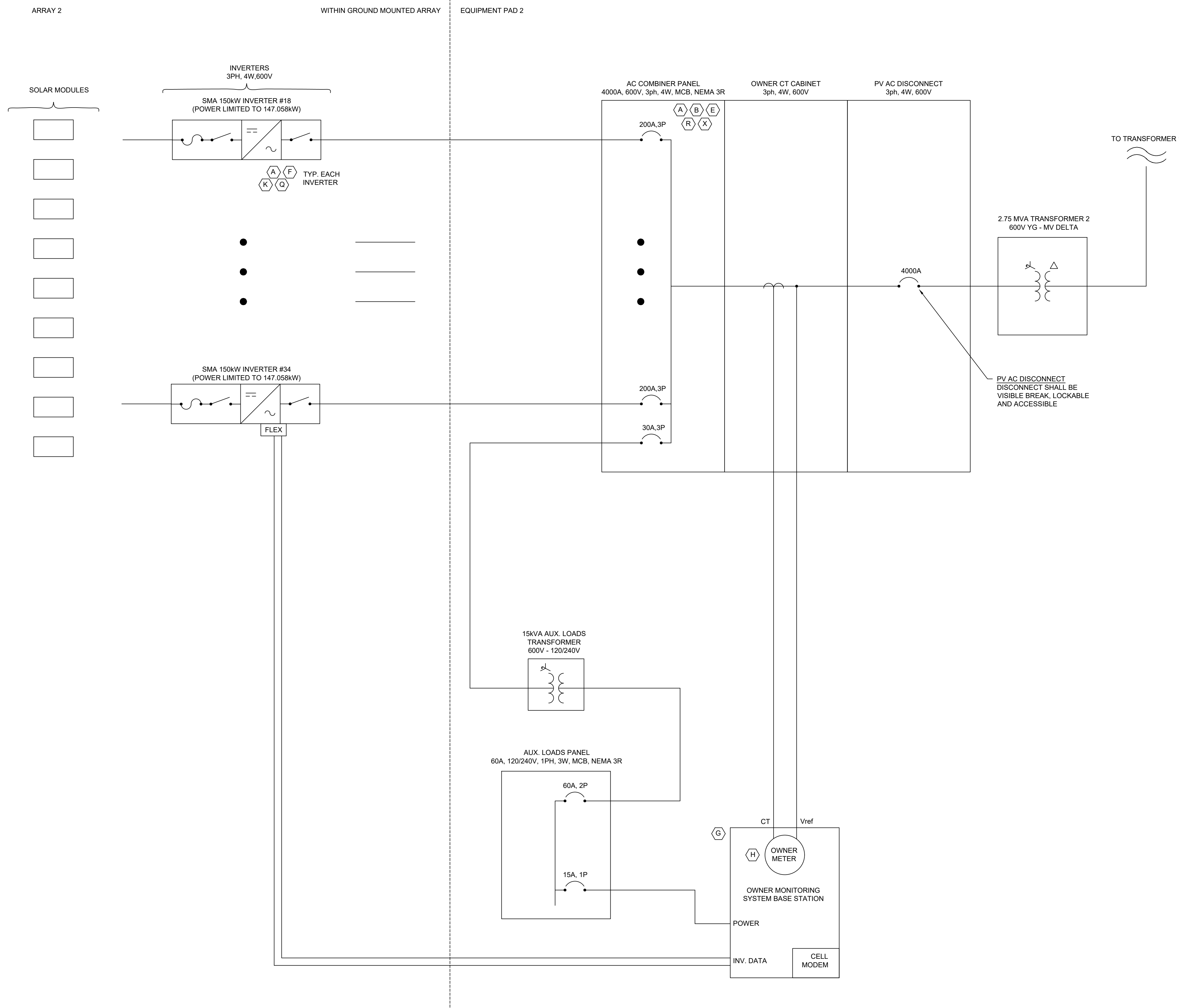
SINGLE LINE

SCALE ¹

NTS

SHEET

E1B



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11			

PROJECT NAME

SICILIANO

DRAWING TITLE

SYSTEM LABELS A

SCALE¹

NTS

SHEET

E2A

A **WARNING**
ELECTRIC SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD SIDES
MAY BE ENERGIZED IN THE OPEN POSITION

B **WARNING**
ARC FLASH AND SHOCK HAZARD
APPROPRIATE PPE REQUIRED
____ NOMINAL SYSTEM VOLTAGE
____ FLASH HAZARD BOUNDARY
____ CAL/CM² FLASH HAZARD AT 18"
____ ARC FLASH PPE CATEGORY
____ LIMITED APPROACH
____ RESTRICTED APPROACH
____ PROHIBITED APPROACH

C **WARNING**
POWER SOURCE OUTPUT CONNECTION
DO NOT RELOCATE THIS OVERCURRENT
DEVICE.

D **WARNING**
THIS EQUIPMENT FED BY MULTIPLE
SOURCES. TOTAL RATING OF ALL
OVERCURRENT DEVICES EXCLUDING MAIN
SUPPLY OVERCURRENT DEVICE SHALL NOT
EXCEED AMPACITY OF BUSBAR.

E **WARNING**
TURN OFF PHOTOVOLTAIC AC DISCONNECT
PRIOR TO WORKING INSIDE PANEL

F
____ MAXIMUM VOLTAGE
____ MAXIMUM CIRCUIT CURRENT

____ MAXIMUM RATED OUTPUT CURRENT OF
THE CHARGE CONTROLLER OR
DC-TO-DC CONVERTER (IF INSTALLED)

G SOLAR DATA & MONITORING

H CUST. GENERATION METER

J UTILITY BILLING METER

K XXkW INVERTER #X
____ OUTPUT CURRENT
____ OPERATING VOLTAGE

L
____ MAXIMUM OPERATING VOLTAGE
____ EQUALIZATION VOLTAGE
____ POLARITY OF GROUNDED CONDUCTOR

M SOLAR AC COMBINER
PANEL #1
____ OUTPUT CURRENT
____ OPERATING VOLTAGE
NEUTRAL WIRE IS SIZED PER EGC FOR
CURRENT SENSING ONLY. DO NOT
CONNECT ADDITIONAL LOADS TO
ACCUMULATION PANEL WITHOUT PROPER
ENGINEERING SUPERVISION AND PV
SYSTEM OWNER'S FORMAL APPROVAL

N WARNING: PHOTOVOLTAIC
POWER SOURCE

O RAPID SHUTDOWN SWITCH
FOR SOLAR PV SYSTEM

- GENERAL NOTES:
1. Detail such as voltage, ampere, etc. for each labels shall be included in the "Approved for construction" drawing.
 2. Calculated values for Arc Flash label will be provided in the "Approved for construction" drawing.

P PV SOLAR AC DISCONNECT

Q PV SOLAR DC DISCONNECT

R UTILITY PV SYSTEM AC
DISCONNECT
____ OUTPUT CURRENT
____ OPERATING VOLTAGE

S PV SYSTEM AC
DISCONNECT
____ OUTPUT CURRENT
____ OPERATING VOLTAGE

T MAIN PV SYSTEM AC
DISCONNECT
____ OUTPUT CURRENT
____ OPERATING VOLTAGE

U SOLAR SYSTEM POINT OF
INTERCONNECTION
____ OUTPUT CURRENT
____ OPERATING VOLTAGE

V CAUTION
POWER TO THIS SERVICE IS ALSO SUPPLIED
FROM THE FOLLOWING SOURCES WITH
DISCONNECTS LOCATED AS SHOWN

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INVERTER COUNT	34
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INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

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PROJECT NAME

SICILIANO

DRAWING TITLE

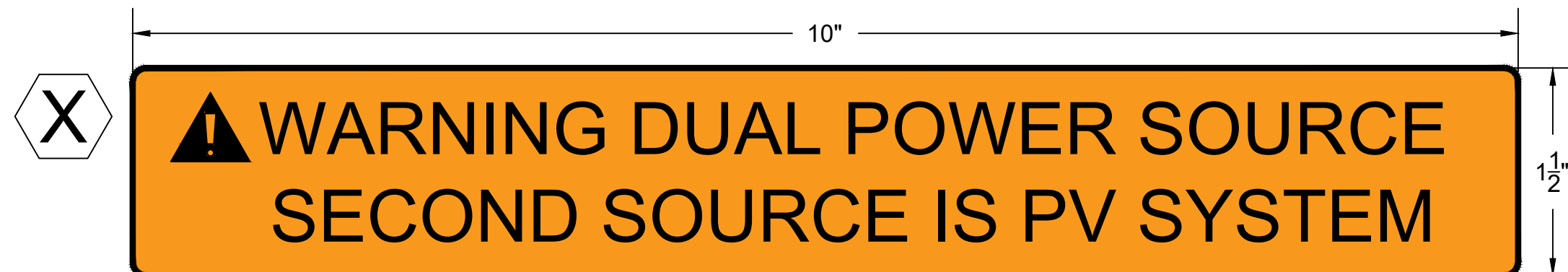
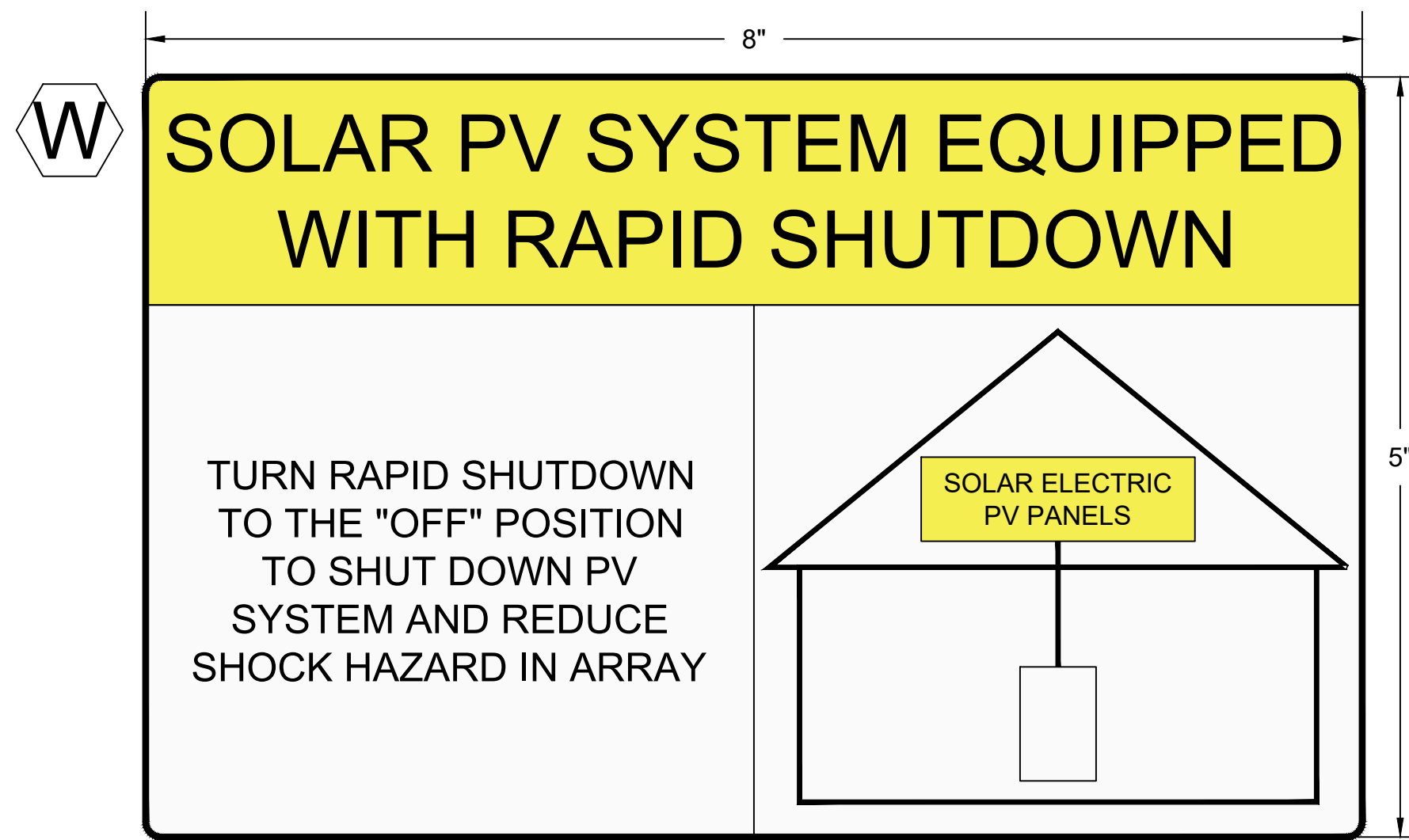
SYSTEM LABELS B

SCALE ¹

NTS

SHEET

E2B



GENERAL NOTES:

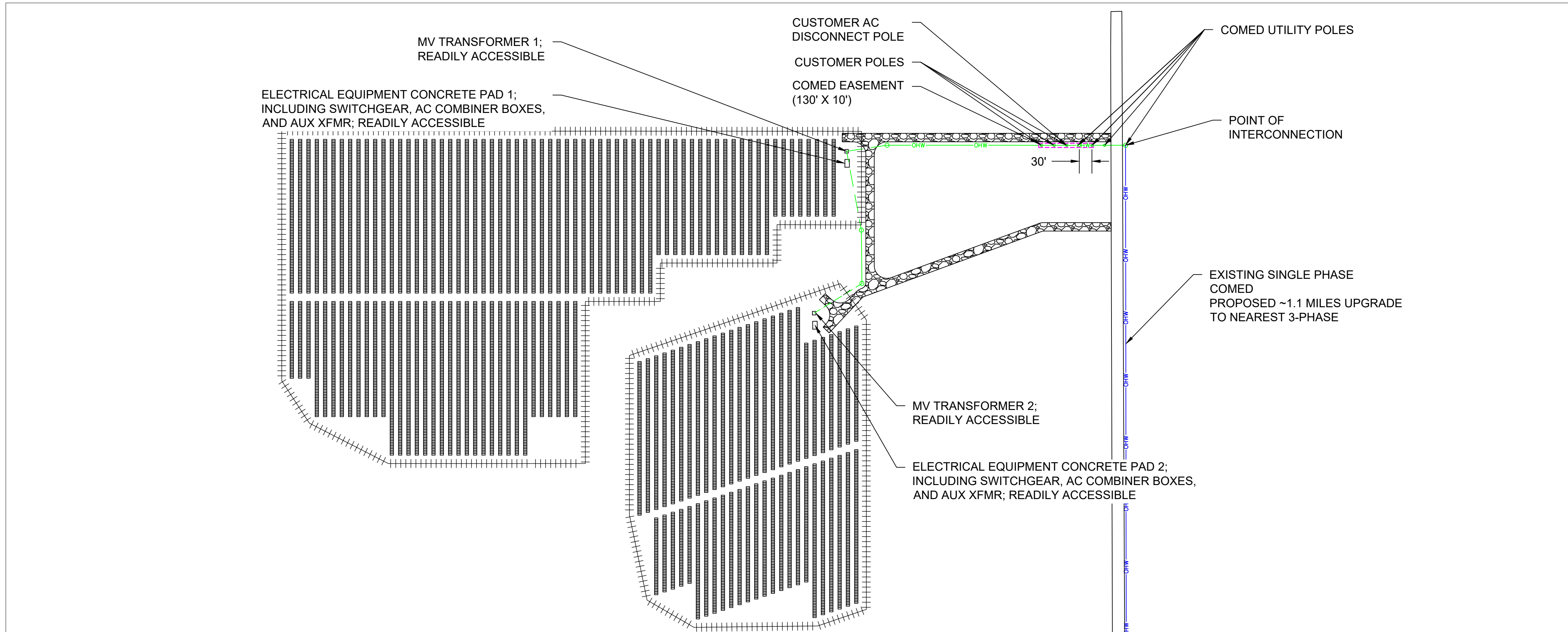
- (1) ALL LABELS MUST COMPLY WITH 2020 NEC 110.21(B):
- (2) LABELS AS PROVIDED AND NOTED ON THIS SHEET MEET WARNING, EFFECTIVE WORDING AND COLOR/SYMBOL REQUIREMENTS
- (3) LABELS SHALL BE PERMANENTLY AFFIXED TO EQUIPMENT OR WIRING METHOD
- (4) LABELS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. STICKERS OF PROPER DURABILITY AND ADHESION ARE PREFERRED. REFERENCE ANSI Z535.4-2011 FOR GUIDELINES.

SPECIFIC LABEL NOTES:

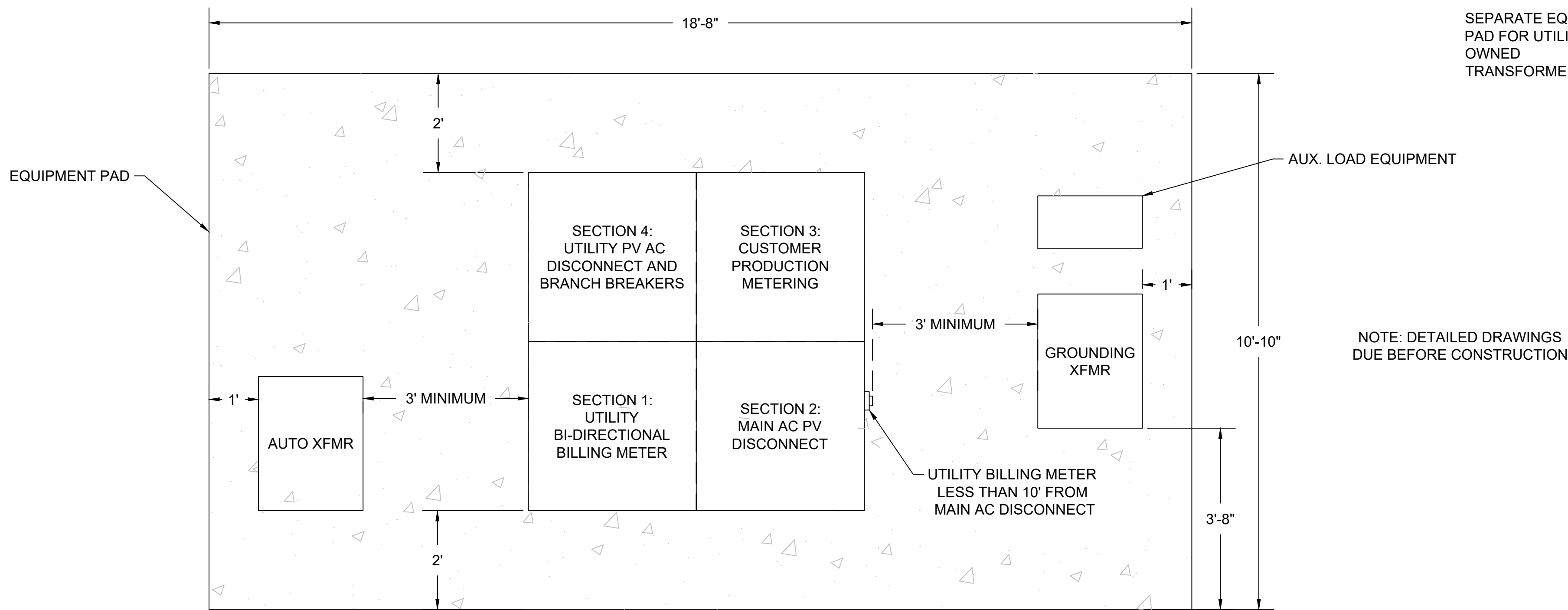
- A. 2020 NEC 690.13(D)
- B. 2020 NEC 110.16
- C. 2020 NEC 705.12(B)(1)(b)
- D. 2020 NEC 110.27(C)
- E. 2020 NEC 110.27(C)
- F. 2020 NEC 690.53
- G. UTILITY REQUIREMENT
- H. UTILITY REQUIREMENT
- I. LABEL REMOVED
- J. UTILITY REQUIREMENT
- K. 2020 NEC 690.54
- L. 2020 NEC 690.55
- M. LABEL FOR ACCUMULATION PANEL
- N. 2020 NEC 690.31(F)
- O. 2020 NEC 690.56(C)
- P. 2020 NEC 690.13(B)
- Q. 2020 NEC 690.13(B)
- R. 2020 NEC 690.54
- S. 2020 NEC 690.54
- T. 2020 NEC 690.13(B)
- U. LABEL FOR POINT OF INTERCONNECTION
- V. 2020 NEC 705.10 SYSTEM PLACCARD
- W. 2020 NEC 690.56(C)(1)
- X. 2020 NEC 690.59

EQUIPMENT	LABELS
ACCUMULATION PANELS, COMBINER BOXES, PULL BOXES, ENCLOSURES	A, B, E, M
DC CONDUIT	N
RAPID SHUTDOWN	O, W
ENERGY STORAGE	L
INVERTERS	K
MONITORING EQUIPMENT	G
METERS	H, J, X
DC DISCONNECT	A, F, Q
AC DISCONNECT	A, B, E, O, P, R, S, T, X
POINT OF INTERCONNECTION	A, C, D, U, V, E

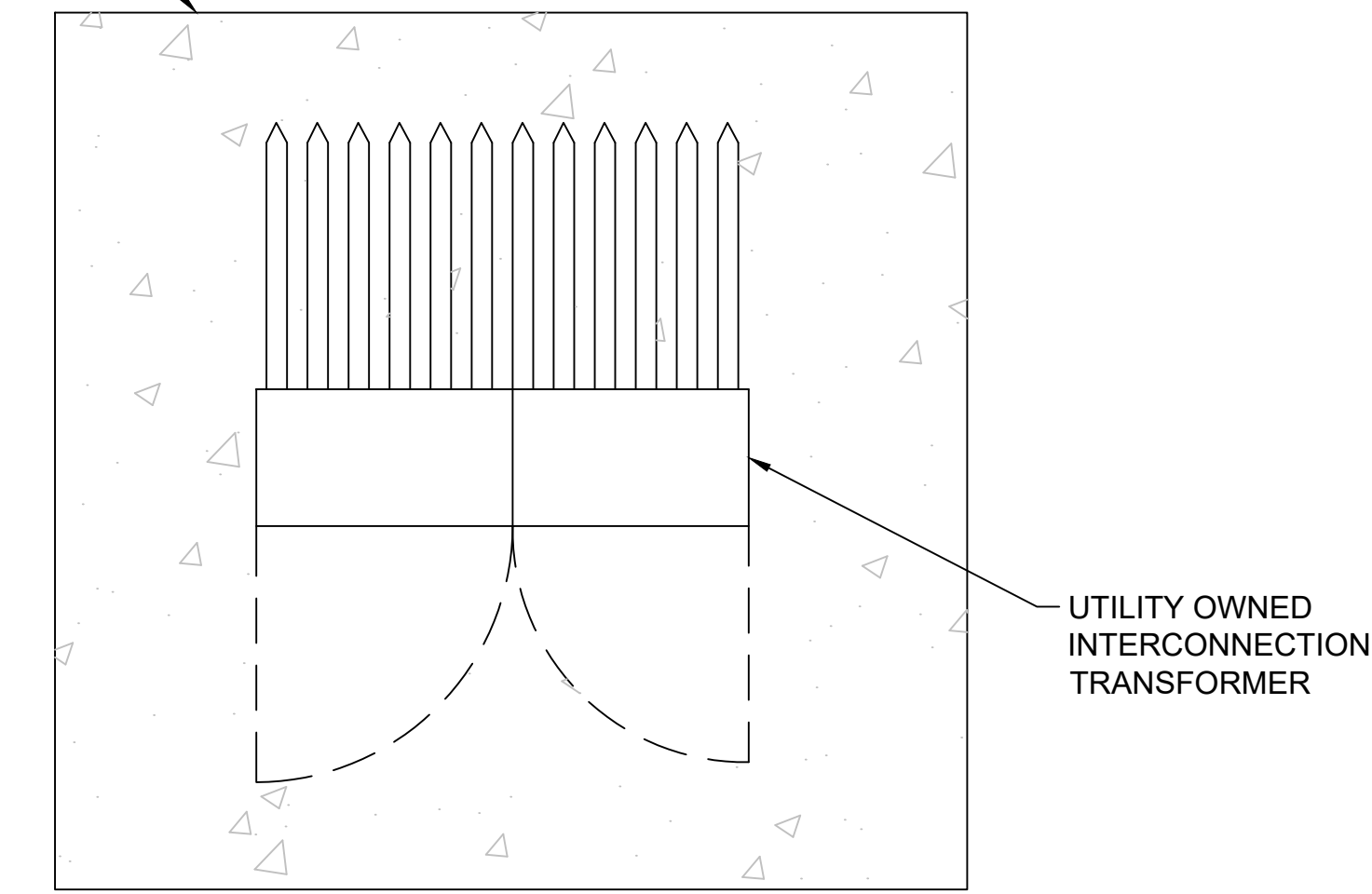
- SHEET NOTES:**
- Overhead line to underground service conductors detail - provided by utility
 - Fence Detail and Fence Grounding - provided in the civil engineering drawings



1 INTERCONNECTION PLAN
Scale: 1" = 140'



2 EQUIPMENT PAD PLAN
Scale: 3/4" = 1'



SPACE FOR PE STAMP:

SYSTEM SPECIFICATIONS

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PROJECT NAME
SICILIANO

DRAWING TITLE
ELECTRICAL DETAILS

SCALE
AS NOTED

SHEET
E3

SUNNY HIGHPOWER PEAK3 125-US / 150-US



SHP 125US20 / SHP 150US20



- | | | | |
|--|---|--|---|
| <p>Cost effective</p> <ul style="list-style-type: none"> Modular architecture reduces BOS and maximizes system uptime Compact design and high power density maximize transportation and logistical efficiency | <p>Maximum flexibility</p> <ul style="list-style-type: none"> Scalable 1,500 VDC building block with best-in-class performance Flexible architecture creates scalability while maximizing land usage | <p>Simple install, commissioning</p> <ul style="list-style-type: none"> Ergonomic handling and simple connections enable quick installation Centralized commissioning and control with SMA Data Manager | <p>Highly innovative</p> <ul style="list-style-type: none"> SMA Smart Connected reduces O&M costs and simplifies field service Powered by award winning enexOS cross sector energy management platform |
|--|---|--|---|

SUNNY HIGHPOWER PEAK3 125-US / 150-US
A superior modular solution for large-scale power plants

The PEAK3 1,500 VDC inverter offers high power density in a modular architecture that achieves a cost-optimized solution for large-scale PV integrators. With fast, simple installation and commissioning, the Sunny Highpower PEAK3 is accelerating the path to energization. SMA has also brought its field-proven Smart Connected technology to the PEAK3, which simplifies O&M and contributes to lower lifetime service costs. The PEAK3 power plant solution is powered by the enexOS cross sector energy management platform, 2018 winner of the Intersolar smarter E AWARD.

Technical Data	Sunny Highpower PEAK3 125-US	Sunny Highpower PEAK3 150-US
Input [DC]	187500 Wp STC	225000 Wp STC
Maximum array power	187500 Wp STC	225000 Wp STC
Maximum system voltage	1500 VDC	1500 VDC
Rated MPPT voltage range	705 V ... 1430 V	880 V ... 1450 V
MPPT operating voltage range	684 V ... 1500 V	855 V ... 1500 V
MPPT trackers	1	1
Maximum operating input current	180 A	180 A
Maximum input short-circuit current	325 A	325 A
Output [AC]	125000 W	150000 W
Nominal AC power	125000 W	150000 W
Maximum apparent power	125000 VA	150000 VA
Output phases / line connections	3 / 3 PE	3 / 3 PE
Nominal AC voltage	480 V	600 V
Compatible transformer winding configuration	Wye-grounded	600 V
Maximum output current	151 A	151 A
Rated grid frequency	60 Hz	60 Hz
Grid frequency / range	50 Hz, 60 Hz / ±4 Hz, ±4 Hz	50 Hz, 60 Hz / ±4 Hz, ±4 Hz
Power factor at rated power / adjustable displacement	1 / 0.0 leading ... 0.0 lagging	1 / 0.0 leading ... 0.0 lagging
Harmonics [THD]	<3%	<3%
Efficiency	98.5 %	99.0 %
CEC efficiency	98.5 %	99.0 %
Protection and safety features		
Ground fault monitoring: Riso / Differential current	● / ●	● / ●
DC reverse polarity protection	●	●
AC short circuit protection	●	●
Monitored surge protection (Type 2): DC / AC	● / ●	● / ●
Protection class / overvoltage category (as per IEC 640)	1 / II	1 / II
General data		
Device dimensions [W / H / D]	770 / 630 / 444 mm (30.3 / 32.7 / 17.5 in.)	98 kg (216 lb)
Device weight	98 kg (216 lb)	98 kg (216 lb)
Operating temperature range	-25°C ... +60°C (13°F ... +140°F)	-25°C ... +60°C (13°F ... +140°F)
Storage temperature range	-40°C ... +70°C (40°F ... +158°F)	-40°C ... +70°C (40°F ... +158°F)
Audible noise emissions (full power @ 1m and 25°C)	<69 dBA	<69 dBA
Internal consumption at night	< 5 W	< 5 W
Topology	Transformerless	Transformerless
Cooling concept	CyriCool (forced convection, variable speed fans)	CyriCool (forced convection, variable speed fans)
Enclosure protection rating	Type 4X (as per UL 50E)	Type 4X (as per UL 50E)
Maximum permissible relative humidity (non-condensing)	100%	100%
Additional information		
Mounting	Rack mount	Rack mount
DC connection	Terminal lugs - up to 600 kcmil CU/Al	Screw terminals - up to 300 kcmil CU/Al
AC connection	LED indicator (Status/Fault/Communication)	●
SMA Speedrive (Ethernet network interface)	● (2 x RJ45 ports)	●
Data protocols: SMA Modbus / SunSpec Modbus	● / ●	● / ●
Integrated Fleet Control / Q on Demand 24/7	● / ●	● / ●
On-grid capable / SMA Hybrid Controller compatible	- / ●	- / ●
SMA Smart Connected (proactive monitoring and service)	●	●
Certifications		
Certifications and approvals	UL 62109, UL 1998, CAN/CSA-C22 No.62109	FCC Part 15, Class A
FCC compliance	IEEE 1547, UL 1741 SA, CA 94.21, HECC Rule 14H	IEEE 1547, UL 1741 SA, CA 94.21, HECC Rule 14H
Grid interconnection standards	L/HVRT, L/HVRT, Vsk/Vsk, Vsk/Wsk, Frequency/Wsk, Ramp Rate Control, Fixed Power Factor	L/HVRT, L/HVRT, Vsk/Vsk, Vsk/Wsk, Frequency/Wsk, Ramp Rate Control, Fixed Power Factor
Advanced grid support capabilities	Warranty	5 years
Standard	Optional extensions	10 / 15 / 20 years
Type designation	SHP 125US20	SHP 150US20
Technical data as of May 2020	● Standard features	○ Optional features
	- Not available	

Toll Free +1 888 4 SMA USA
www.SMA-America.com
SMA America, LLC

powered by **Q.ANTUM DUO Z**

Q. PEAK DUO XL-G11.3/BFG 570-580

BIFACIAL DOUBLE GLASS MODULE WITH EXCELLENT RELIABILITY AND ADDITIONAL YIELD

- BIFACIAL ENERGY YIELD GAIN OF UP TO 20 %**
Bifacial Q.ANTUM DUO Z combines cutting-edge cell separation and innovative wiring with Q.ANTUM Technology for higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21.4%.
- LOW ELECTRICITY GENERATION COSTS**
Q.ANTUM DUO Z combines cutting-edge cell separation and innovative wiring with Q.ANTUM Technology for higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 21.4%.
- INNOVATIVE ALL-WEATHER TECHNOLOGY**
Optimal yields, whatever the weather, with excellent low-light and temperature behavior.
- ENDURING HIGH PERFORMANCE**
Long-term yield security with Anti-LOD, High-Spot Protect and Traceable Quality TraQ™.
- FRAME FOR VERSATILE MOUNTING OPTIONS**
High-tech aluminum alloy frame protects from damage, enables use of a wide range of mounting structures and is certified regarding IEC for high snow (5400Pa) and wind loads (2400Pa).
- A RELIABLE INVESTMENT**
Double glass module design enables extended lifetime with 12-year product warranty and improved 30-year performance warranty*.

* See data sheet on rear for further information

THE IDEAL SOLUTION FOR:
Ground-mounted solar power plants

Engineered in Germany

MECHANICAL SPECIFICATION

Format	2468mm x 1134mm x 35mm (including frame)
Weight	34.4kg
Front Cover	2mm thermal pre-stressed glass with anti-reflection technology
Back Cover	2mm semi-tempered glass
Frame	Anodized aluminum
Cell	6 x 2R monocrystalline Q.ANTUM solar half cells
Junction box	53 200 mm x 32 400 mm x 15 80 mm
Cable	4mm² Solar cable (1 x 750mm, 1 x 1300mm)
Connector	SMA/IEC4 Pin/End, HANSA Q CELLS-HQ4C-UPB

ELECTRICAL CHARACTERISTICS

POWER CLASS	570	575	580				
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC AND BEST* (POWER TOLERANCE ±0.1W / ±0.1%)							
Power at MPP ¹	P _{MPP} [W]	570	575	575	580	580	580
Short Circuit Current ²	I _{sc} [A]	13.90	14.27	13.92	14.80	13.55	14.83
Open Circuit Voltage ³	V _{oc} [V]	53.60	53.69	53.53	53.72	53.96	53.79
Current at MPP ⁴	I _{MPP} [A]	12.83	14.03	12.87	14.09	12.92	14.14
Voltage at MPP ⁵	V _{MPP} [V]	44.44	44.43	44.66	44.65	44.88	44.87
Efficiency ⁶	η [%]	20.8	22.8	21.0	23.0	21.2	23.2
Efficiency of P _{MPP} and I _{sc} 70% ± 5% Efficiency gain for rear side irradiation on top of STC (Rear side) - According to IEC 60904-3							
*Measurement tolerances P _{MPP} ± 0.5%, I _{sc} ± 0.5% at STC, 1000W/m², 25°C; V _{oc} ± 0.5%, I _{MPP} ± 0.5%, η ± 0.1% according to IEC 60904-3							
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT ⁷							
Power at MPP	P _{MPP} [W]	429.3	432.9	431.6	431.6		
Short Circuit Current	I _{sc} [A]	10.87	10.89	10.91	10.91		
Open Circuit Voltage	V _{oc} [V]	50.60	50.63	50.66	50.66		
Current at MPP	I _{MPP} [A]	10.99	10.94	10.93	10.93		
Voltage at MPP	V _{MPP} [V]	42.53	42.71	42.89	42.89		
*1000W/m², NMOT, spectrum AM 1.5							
Q CELLS PERFORMANCE WARRANTY		PERFORMANCE AT LOW IRRADIANCE					
All data within measurement tolerances. Full warranty in accordance with the warranty terms of the Q CELLS solar corporation of your respective country.		Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m²).					
TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I _{sc}	α [1/K]	+0.04	Temperature Coefficient of V _{oc}	β [1/K]	-0.27		
Temperature Coefficient of P _{MPP}	γ [1/K]	-0.34	Nominal Module Operating Temperature	NMOT [°C]	42 ± 3		
PROPERTIES FOR SYSTEM DESIGN							
Maximum System Voltage	V _{max} [V]	1500	PV module classification	Class II			
Maximum Reverse Current	I _r [A]	25	Fire Rating based on ANSI/UL 61720	C/TYP E 29 ⁸			
Max. Design Load, Pull/ Push	[Pa]	5000 / 2400	Permitted Module Temperature on Continuous Duty	-40°C ... +85°C			
Max. Test Load, Pull/ Push	[Pa]	5400 / 2400	*New Type is similar to Type 3 but with multi-line frame				
QUALIFICATIONS AND CERTIFICATES							
IEC 61215:2016, IEC 61730:2016, The user must comply with DIN EN 50638.							
PACKAGING INFORMATION							
Vertical packaging		2468mm	1134mm	1270mm	1114mm		
20 pallets		10 pallets		31 modules			
Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.							
Made in China							
HANSA Q CELLS Australia Pty Ltd Suite 1, Level 1, 13 Blue Street, North Sydney, NSW 2060, Australia TEL: +61 (0) 2 9038 3033 FAX: +61 (0) 2 9038 3032 EMAIL: q-cells.australia@q-cells.com WEB: www.q-cells.com/au							

Engineered in Germany



PROJECT ENTITY: WILD CAT SOLAR 4 LLC - SICILIANO

NEW ENERGY EQUITY, LLC
2530 RIVA ROAD, SUITE 200
ANNAPOLIS, MD 21041
NEWENERGYEQUITY.COM
443-267-5012

PROJECT ADDRESS
28964 S PARK AVE
BEECHER, IL 60401

LAT: 41.365
LONG: -87.602

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TLT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
9			
10			
11			

PROJECT NAME

SICILIANO

DRAWING TITLE

EQUIPMENT DOCUMENTS 1

SCALE¹

NTS

SHEET

E4

SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
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10			
11			

PROJECT NAME

SICILIANO

DRAWING TITLE

EQUIPMENT DOCUMENTS 2

SCALE¹

NTS

SHEET

E5

SPACE FOR PE STAMP:



Certificate of Compliance

Certificate: 80048527 Master Contract: 254141

Project: 80133054 Date Issued: 2022-07-05

Issued To: Hanwha Q.CELLS GmbH

17-21 Sonnenallee
Thalheim
Bitterfeld-Wolfen, Sachsen-Anhalt, 06766
Germany

Attention: Wiebke Engler

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Tom Yang

PRODUCTS

CLASS - C531110 - POWER SUPPLIES Photovoltaic Modules and Panels
CLASS - C531190 - POWER SUPPLIES Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic Modules with Maximum System Voltage of 1000 V dc or 1500 V dc, Class II / Application Class A, Fire Resistance Class C, Module Fire Performance Type 1, Type 2 or Type 5 (for US), Module Types:
Q.PLUS L-G4.2 XXX (XXX = 305 to 375, in steps of 5W),
B.LINE PLUS L-G4.2 XXX (XXX = 305 to 375, in steps of 5W),
Q.PLUS BFR-G4.1 XXX (XXX = 270 to 295, in steps of 5W and 282W),
B.LINE PLUS BFR-G4.1 XXX (XXX = 270 to 295, in steps of 5W and 282W),
Q.PLUS DUO L-G5.2 XXX (XXX = 340 to 385, in steps of 5W),
B.LINE PLUS DUO L-G5.2 XXX (XXX = 340 to 385, in steps of 5W),
Q.PEAK DUO L-G5 XXX (XXX = 360 to 425, in steps of 5W).



Certificate: 80048527 Master Contract: 254141
Project: 80133054 Date Issued: 2022-07-05

B.LINE TRON ML-G1 XXX (XXX = 385 to 455, in steps of 5W),
Q.TRON BLK ML-G1 XXX (XXX = 385 to 445, in steps of 5W),
Q.TRON BLK ML-G1+ XXX (XXX = 385 to 445, in steps of 5W),
B.LINE TRON BLK ML-G1 XXX (XXX = 385 to 445, in steps of 5W),
Q.PEAK DUO XL-G11.2 XXX (XXX = 570 to 590, in steps of 5W),
Q.PEAK DUO XL-G11.3 XXX (XXX = 570 to 590, in steps of 5W),
Q.TRON-G1+ XXX (XXX = 340 to 380, in steps of 5W),
Q.TRON BLK-G1+ XXX (XXX = 340 to 380, in steps of 5W).

Notes:
1. All electrical data shall be shown as relative to standard test conditions (STC) (1000 W/m2 irradiance, (25 ± 2) °C, AM 1.5 according to IEC 60904-3).
2. Manufacturing tolerances are ±5% for voltage at open-circuit (Voc), ±5% for current at short-circuit (Isc) and ±3% for PV module maximum power (Pmax).

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.PLUS L-G4.2 XXX B.LINE PLUS L-G4.2 XXX	305-405	305	44.66	9.21	35.63	8.58
		310	44.9	9.26	35.88	8.64
		315	45.14	9.31	36.18	8.71
		320	45.38	9.35	36.49	8.77
		325	45.62	9.4	36.78	8.84
		330	45.86	9.45	37.08	8.90
		335	46.10	9.50	37.36	8.97
		340	46.34	9.54	37.65	9.03
		345	46.58	9.59	37.93	9.10
		350	46.82	9.64	38.2	9.16
		355	47.06	9.68	38.48	9.23
		360	47.31	9.73	38.74	9.29
		365	47.55	9.78	39.01	9.36
		370	47.79	9.83	39.33	9.42
Q.PLUS BFR-G4.1 XXX B.LINE PLUS BFR-G4.1 XXX	270-295	270	38.46	9.29	31.04	8.70
		275	38.72	9.35	31.36	8.77
		280	38.97	9.41	31.67	8.84
		282	39.10	9.50	31.40	9.00
		285	39.22	9.46	31.99	8.91
		290	39.48	9.52	32.29	8.98
		295	39.73	9.58	32.59	9.05
Q.PLUS DUO L-G5.2 XXX B.LINE PLUS DUO L-G5.2 XXX	340-385	340	45.89	9.69	37.40	9.09
		345	46.11	9.73	37.68	9.16



Certificate: 80048527 Master Contract: 254141
Project: 80133054 Date Issued: 2022-07-05

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.TRON BLK ML-G1 XXX Q.TRON BLK ML-G1+ XXX B.LINE TRON BLK ML-G1 XXX	385-445	400	46.02	11.17	37.86	10.56
		405	46.06	11.20	38.13	10.62
		410	46.09	11.23	38.40	10.68
		415	46.12	11.26	38.67	10.73
		420	46.16	11.29	38.93	10.79
		425	46.19	11.32	39.19	10.84
		430	46.22	11.35	39.45	10.90
		435	46.26	11.38	39.70	10.96
		440	46.29	11.41	39.95	11.01
		445	46.33	11.44	40.20	11.07
		450	46.36	11.47	40.45	11.13
		455	46.39	11.50	40.69	11.18
		385	46.15	10.95	37.47	10.27
		390	46.18	10.98	37.75	10.33
		395	46.22	11.01	38.03	10.39
		400	46.25	11.04	38.31	10.44
		405	46.29	11.07	38.58	10.50
		410	46.32	11.10	38.85	10.55
		415	46.35	11.13	39.12	10.61
		Q.PEAK DUO XL-G11.2 XXX Q.PEAK DUO XL-G11.3 XXX	570-590	420	46.39	11.16
425	46.42			11.19	39.65	10.72
430	46.45			11.21	39.91	10.77
435	46.49			11.24	40.17	10.83
440	46.52			11.27	40.42	10.89
445	46.56			11.30	40.67	10.94
570	53.59			13.49	44.46	12.82
575	53.62			13.51	44.68	12.87
580	53.64			13.54	44.90	12.92
585	53.67			13.57	45.12	12.97
Q.TRON-G1+ XXX	340-380	590	53.70	13.59	45.33	13.01
		340	41.14	11.11	32.89	10.35
		345	41.17	11.14	33.15	10.41
		350	41.20	11.17	33.41	10.48
		355	41.24	11.21	33.68	10.54
		360	41.27	11.24	33.94	10.61
		365	41.30	11.27	34.20	10.67
		370	41.34	11.31	34.47	10.73
		375	41.37	11.34	34.73	10.80
		380	41.40	11.37	34.99	10.86



Certificate: 80048527 Master Contract: 254141
Project: 80133054 Date Issued: 2022-07-05

Module Type	Power Range (Watts)	Rated Maximum Power (Watts)	Open Circuit Voltage (V dc)	Short Circuit Current (A dc)	Rated Voltage (V dc)	Rated Current (A dc)
Q.TRON BLK-G1+ XXX	340-380	340	41.15	11.00	33.10	10.28
		345	41.18	11.03	33.37	10.34
		350	41.21	11.07	33.63	10.41
		355	41.25	11.10	33.90	10.47
		360	41.28	11.14	34.17	10.54
		365	41.31	11.17	34.43	10.60
		370	41.35	11.20	34.70	10.66
Q.PEAK DUO BLK ML-G10+/TS XXX	385-405	375	41.38	11.24	34.96	10.73
		380	41.41	11.27	35.23	10.79
		385	41.45	11.30	35.50	10.85
		390	41.48	11.33	35.77	10.91
		395	41.51	11.36	36.04	10.97

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61730-1:19 Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction, 2019-12
CAN/CSA-C22.2 No. 61730-2:19 Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing, 2019-12
UL 61730-1 1st Edition Photovoltaic (PV) Module Safety Qualification – Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30
UL 61730-2 1st Edition Photovoltaic (PV) Module Safety Qualification – Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca



SYSTEM SPECIFICATIONS

SYSTEM SIZE DC	7.378 MW
SYSTEM SIZE AC	POWER LIMITED TO 5.000 MW
DC/AC RATIO	1.476
AZIMUTH	180°
TILT	+/- 52°
MODULE COUNT	12720
MODULE TYPE	HANWHA Q PEAK DUO XL-G11.3/BFG
MODULE STC RATING	580 W
INVERTER COUNT	34
INVERTER TYPE	SMA SUNNY HIGHPOWER PEAK-3 150kW
INVERTER POWER	POWER LIMITED TO 147.058 kW
RACKING	TBD
MONITORING	ALSO ENERGY

DESIGN CRITERIA

MIN/MAX TEMP.	-22°C / 33°C
WIND SPEED (ASCE 7-10)	105 MPH
BUILDING CATEGORY	I
EXPOSURE CATEGORY	C
GROUND SNOW LOAD	25 PSF
BUILDING HEIGHT	0'-0"

OTHER NOTES
E-911 ADDRESS TO BE APPLIED FOR WITH BUILDING PERMIT

NO POSITION, DISTANCE, OR CLEARANCE ISSUES WITH OVERHEAD ELECTRIC SERVICE LINES OR OTHER UTILITIES IN RELATION TO THE PV PANELS.

24/7 UNESCORTED KEYLESS ACCESS PROVIDED FOR ALL UTILITY ENERGY EQUIPMENT INCLUDING THE METERS AND AC DISCONNECT.

INTERCONNECTION TYPE: PRIMARY

REVISIONS

#	DESCRIPTION	BY	DATE
0	ORIGINAL DESIGN	SP	3/20/2023
1	CUP PACKAGE	SP	3/22/2023
2	ACCESS RD CHANGE	SP	4/5/2023
3	1.55 DC/AC RATIO CHANGE	SP	12/7/2023
4	SLD WYE-DELTA WYE	SP	3/14/2024
5	CUP REFRESH	SP	4/30/2024
6	GAS LINE ADDITION	SP	5/9/2024
7	VISUAL SCREENING PAGES	SP	5/28/2024
8			
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PROJECT NAME

SICILIANO

DRAWING TITLE

EQUIPMENT DOCUMENTS 3

SCALE ¹

NTS

SHEET

E6

SPACE FOR PE STAMP:

CERTIFICATE OF COMPLIANCE

Certificate Number 20190417-E210376
Report Reference E210376-20190328
Issue Date 2019-APRIL-17

Issued to: SMA Solar Technology AG
Sonnenallee 1
34266 Niestetal GERMANY

This certificate confirms that representative samples of STATIC INVERTERS, CONVERTERS AND ACCESSORIES FOR USE IN INDEPENDENT POWER SYSTEMS
Permanently-connected, utility Interactive, 3-phase inverter, Models: SHP 150-US-20, SHP 125-US-20. (which are intended for DC input from photovoltaic modules)

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Please see addendum page
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

B. Mahlenholz
Bruce Mahlenholz, Director North American Certification Program
UL LLC



CERTIFICATE OF COMPLIANCE

Certificate Number 20190417-E210376
Report Reference E210376-20190328
Issue Date 2019-APRIL-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard(s) for Safety:

UL 62109-1, Safety of power converters for use in photovoltaic power systems – Part 1: General requirements.

CSA C22.2 No. 62109-1 Safety of power converters for use in photovoltaic power systems - Part 1: General requirements.

CSA C22.2 No. 62109-2 Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters.

B. Mahlenholz
Bruce Mahlenholz, Director North American Certification Program
UL LLC



VILLAGE OF BEECHER, WILL COUNTY, ILLINOIS

ORDINANCE NO. _____

AN ORDINANCE GRANTING A SPECIAL USE PERMIT FOR 759 W. INDIANA AVENUE UNDER THE ZONING ORDINANCE OF THE VILLAGE OF BEECHER.

WHEREAS, the Corporate Authorities of the Village of Beecher, Will County, Illinois, have received a Special Use Permit application for the property commonly known as 759 W. Indiana Avenue, Beecher, Illinois (hereinafter the “Premises”) to allow a U-Haul rental business; and

WHEREAS, the Premises are currently zoned B-1 Historic Downtown District under the Zoning Ordinance of the Village of Beecher (hereinafter the “Village Zoning Ordinance”); and

WHEREAS, pursuant to proper legal notice, the Planning and Zoning Commission of the Village of Beecher conducted a public hearing on the Special Use Permit application on July 25, 2024, and has determined that it would not pose a negative effect on property values in the area nor will it be unreasonably detrimental to the public health, safety or general welfare and has unanimously recommended that the Village Board approve the Petitioner’s Special Use Permit subject to conditions; and

WHEREAS, the Corporate Authorities of this Village of Beecher, Will County, Illinois, having reviewed the current provisions of the Zoning Ordinance, the Planning and Zoning Commission findings of fact, and the Petitioner’s request, now finds that its approval of this Application would not be inconsistent with surrounding uses nor be contrary to the intent of the Zoning Code of the Village provided certain conditions are met and would be in the best interests of the residents of this Village and the approval of this Application will promote the health, safety, morals and general welfare of this community.

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF BEECHER, WILL COUNTY, ILLINOIS, AS FOLLOWS:

SECTION ONE: After receiving the recommendation for approval from the Planning and Zoning Commission for the Special Use for 759 W. Indiana Avenue, Beecher, Illinois, and confirming that the Special Use otherwise conforms to the applicable regulations of the B-1 Historic Downtown District, the Corporate Authorities of the Village of Beecher, Will County, Illinois, adopt the Findings of Fact made by the Planning and Zoning Commission, a true and correct copy of which is marked as *Exhibit A*, attached hereto and incorporated by reference as if fully set forth herein and additionally find as follows:

- a. The Special Use is deemed necessary for the public convenience at the location;
- b. The Special Use is so designated, located and proposed to be operated that the public health safety and welfare will be protected; and
- c. The Special Use will not cause substantial injury to the value of other property in the neighborhood in which it is located.

SECTION TWO: That the Premises commonly known as 759 W. Indiana Avenue in Beecher are hereby granted a Special Use Permit to operate a U-Haul rental business in a B-1 Historic Downtown District provided the following conditions are maintained:

- A. No more than four (4) trucks to be located on the property at any time; and
- B. Only one (1) truck may be parked in the front of the building at any time and such vehicle must be operational and moved from its location occasionally.
- C. Permanently parked or non-operational vehicles are prohibited from being placed in front of the business from being used for advertising purposes.

SECTION THREE: This Ordinance shall be in full force and effect from and after its passage and approval as provided by law, and is enacted pursuant to the statutory non-Home Rule Authority of the Village of Beecher as granted by 65 ILCS 5/11-13-1, *et seq.*

SECTION FOUR: This Ordinance is subject to change or amendment in accordance with the regular procedures of the Village of Beecher and the owner and the subsequent owners of any property affected by this Ordinance should recognize the right of the Village of Beecher in this regard when contemplating any investment or expenditure of money.

SECTION FIVE: That failure of the owner or other party in interest, or a subsequent owner or other party in interest, to comply with the terms of this Ordinance, after execution of this Ordinance, shall subject the owner or party in interest to the penalties set forth in the Village Zoning Ordinance, and/or termination of the special use after notice and public hearing in accordance with the procedures required by statute and the Village Zoning Ordinance.

PASSED and **APPROVED** this 26th day of August, 2024.

Yeas: _____

Nays: _____

Abstain: _____

Present: _____

Marcy Meyer, Village President

ATTEST:

Janett McCawley, Village Clerk

EXHIBIT A

No Special Use shall be granted by the President and the Board of Trustees unless the Special Use:

- a. Is deemed necessary for the public convenience at the location;
There was previously a U-Haul rental location within Beecher but is no longer in operation. The closest place for Beecher residents to rent a truck for moving large items is in Monee and/or Crete which can be roughly 15-20 minutes away and add extra mileage and gasoline expense to Beecher residents. The re-establishment of a U-Haul location within Beecher will be a benefit and convenience for Beecher residents and reduce time/costs for Beecher customers.

- b. Is so designated, located and proposed to be operated that the public health, safety and welfare will be protected; and
The property owner is proposing to allow for a minimal amount of small trucks to be located on the property (no more than four trucks). The trucks will primarily be parked at the rear of the building and out of site of the general public. Only one truck will be parked in the front of the building for advertising purposes, but will remain operational and not permanently parked in the front of the building. This minimal amount of small truck parking will not have a detrimental effect on the public welfare.

- c. Will not cause substantial injury to the value of other property in the neighborhood in which it is located; and has been recommended by the Planning and Zoning Commission and approved by the President and the Board of Trustees, and conforms, except in the case of a planned development, to the applicable regulations of the district in which it is located.
The subject property is in the historic downtown area and the Village is very concerned with maintaining the character of the area. The proposed rental of no more than four small U-Haul trucks will not have a detrimental effect on neighboring properties. A majority of the trucks will be parked at the rear of the building and out of site. In addition, the truck will be small box truck type vehicles that will not negatively impact roads and other Village infrastructure. In addition, the availability of rental trucks within the Village will be a benefit to local property owners and businesses.

In addition, the Planning and Zoning Commission shall make findings based upon the evidence presented to it in each specific case with respect to the following:

1. Compatibility with surrounding land uses and the general area;
The property is zoned B-1 Historic Downtown District. The property is surrounded by local businesses. The proposed use will not have a negative impact on surrounding land uses.

2. The zoning classification of property with the general area of the property in question;
The property is zoned B-1 Historic Downtown District and consistent with the general area.

3. The suitability of the subject property to the use permitted under the existing zoning classification;
The subject property is suitable for a U-Haul business with conditions.
4. The trend of development, if any, in the general area of the subject property, including recent changes, if any, which have taken place in its zoning classification; and
The proposed business is consistent with the trend of development in the B-1 Historic Downtown District.
5. The relationship of the existing zoning classification to the Official Comprehensive Plan of Beecher.
The proposed facility is zoned B-1 Historic Downtown District and is consistent with the Village of Beecher Comprehensive Plan.

The Plan Commission recommended approval of the proposed special use to operate a U-Haul rental business at 759 W. Indiana Avenue, subject to the following conditions:

- A. No more than four (4) trucks to be located on the property at any time; and
- B. Only one (1) truck may be parked in the front of the building at any time. In addition, a truck parked in the front of the building must be operational and moved from its location occasionally. Permanently parked or non-operational vehicles are not permitted to be used for advertising purposes.

**MEMORANDUM OF UNDERSTANDING BETWEEN THE
VILLAGE OF MONEE AND THE VILLAGE OF BEECHER**

This Memorandum of Understanding, herein after known as “Agreement” has been entered into as of the 20th day of August 2024 (effective date) by and between the Village of Monee (“Monee”) and the Village of Peotone (“Beecher”), sometimes referred to collectively as the Parties.

WHEREAS, Monee and Beecher both have municipal police departments which provide for the safety and security of their residents; and

WHEREAS, the Parties desire to establish a framework by which Beecher can provide protective personnel and equipment to Monee in relation to their function as a municipal police force; and

NOW THEREFORE, in consideration of the foregoing premises and the terms and conditions hereinafter provided, the Parties agree as follows:

Section One. Preambles

That the preambles set forth above are hereby incorporated herein by reference.

Section Two. Additional Police Personnel

Beecher hereby agrees to provide additional police personnel and equipment subject to the terms set forth herein. The Parties shall agree on the times and days of service subject to the sole discretion of the Monee Police Chief and the availability of Beecher personnel and equipment. At no time will Beecher be obligated to provide such personnel which could adversely affect the daily police operations of Beecher.

Section Three. Cost

Monee hereby agrees to reimburse Beecher for all costs incurred as a result of providing police, personnel, and equipment under this agreement. These costs include, but are not limited to, the hourly wages of personnel and all associated cost of employing such personnel (including benefits) equipment expenses, and any additional ancillary expenses as agreed to by the Parties. Beecher shall submit an itemized invoice to Monee monthly and Monee agrees to pay that invoice within thirty (30) days of receipt.

Section Four. Hold Harmless

The Parties agree to hold each other, their officials, officers, agents and employees completely free and harmless and will fully indemnify the other from any and all claims,

demands, causes of action, lawsuits or damages which may arise as a result of providing the police personnel and equipment as described herein.

Section Five. Term of Agreement

The Parties agree that this Agreement shall become effective as of the effective date of this Agreement and shall continue until amended as described below or as terminated by one or both parties provided that ninety (90) day notice of the intention to terminate this Agreement is provided to the other party.

Section Six. Miscellaneous

The Parties agree that this Agreement may be amended only by mutual consent of the Parties by means of the same procedure used to adopt this Agreement and authorize its execution in the first instance.

The Agreement can be signed by executing any number of counterparts with the same effect as signature on each or upon the same Agreement.

The undersigned represent to each other, that they have the requisite authority to bind each party to the terms and provisions of this Agreement.

IN WITNESS WHEREOF, the Parties hereto have caused this Memorandum of Understanding to be executed as of the day and year first written above.

Village of Beecher

By: Terrance Lemming, Chief of Police

Scott Koerner

Village of Monee

By: Scott Koerner, Chief of Police

K.R.T. CONCRETE

9802 N. 17500 E. Road

GRANT PARK, IL 60940

Phone: 815-466-0601

Fax: 815-466-0332

PROPOSAL SUBMITTED TO Matt Conners (Village of Beecher)		PHONE 708-946-2261	DATE 08/21/2024
STREET 625 Dixie Hwy.		JOB NAME Public sidewalk program	
CITY, STATE AND ZIP CODE Beecher, IL 60401		JOB LOCATION	
ARCHITECT	DATE OF PLANS	mconner@villageofbeecheer.org	JOB PHONE

We hereby submit specifications and estimates for:

remove and replace 16 squares of sidewalk measuring 4'x67' at 614 Indiana Ave.

Remove and replace 58 squares of sidewalk measuring 4'x240' at 529 Miller St.

Add 2 sections of sidewalk at the High School pickleBall court measuring 6'x6'

Add a new sidewalk at 708 Gould St. measuring 5'x18'

Add a new pad for the street light controller at the bridge on penfield and small sliver area between existing public sidewalk and curb.

Remove and replace a 8'x8' section of driveway at 543 Chestnut, remove and replace a section of public sidewalk size 5'x16', and a section of apron size 9'x9'.

Remove and replace 3 sections of public sidewalk at 252 Pine st. measuring 5'x15'

Replace 2 sections of sidewalk at 269 Camden st.

All public sidewalks will be poured at 5' thick, with 6 bag mix, compacted stone fill, broom finish.

Driveway at 543 Chestnut will be poured at 6" thick per village codes consisting of 6 bag mix, compacted stone fill broom finish.

All debris will be hauled away to the village dump at village garage.

All materials such as concrete and stone will be supplied by the village of beecher.

We Propose hereby to furnish material and labor — complete in accordance with above specifications, for the sum of:

30 days upon completion of job _____ dollars (\$ 21,600.00).

Payment to be made as follows:

This proposal is a Laborer only proposal, all materials will be furnished by the village of Beecher.

All wages will be paid per will county prevailing wage rates of \$46.25 per hour

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized
Signature _____*Tim Hipke*

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

Date of Acceptance: _____