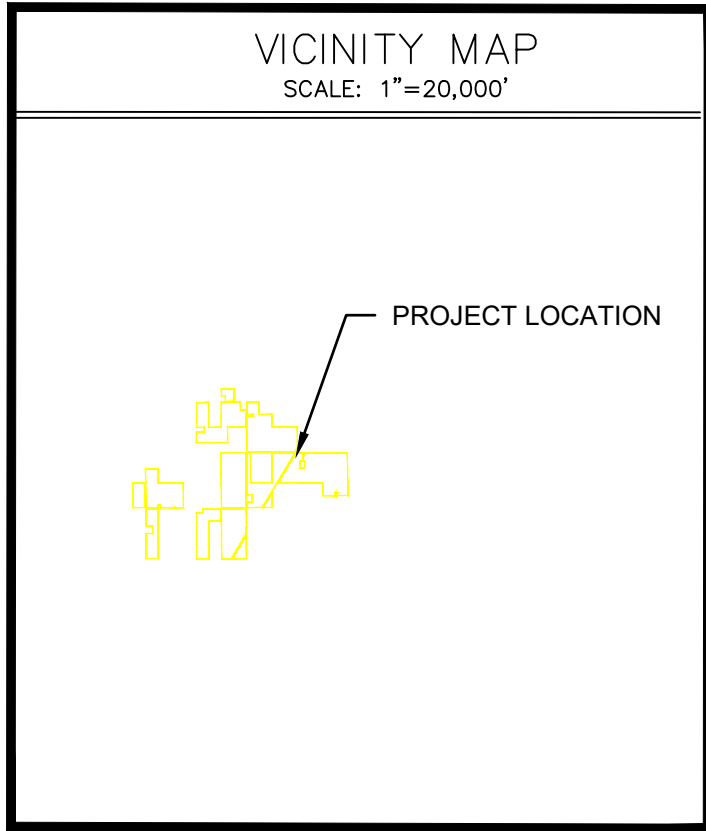
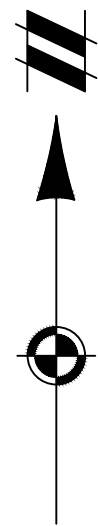
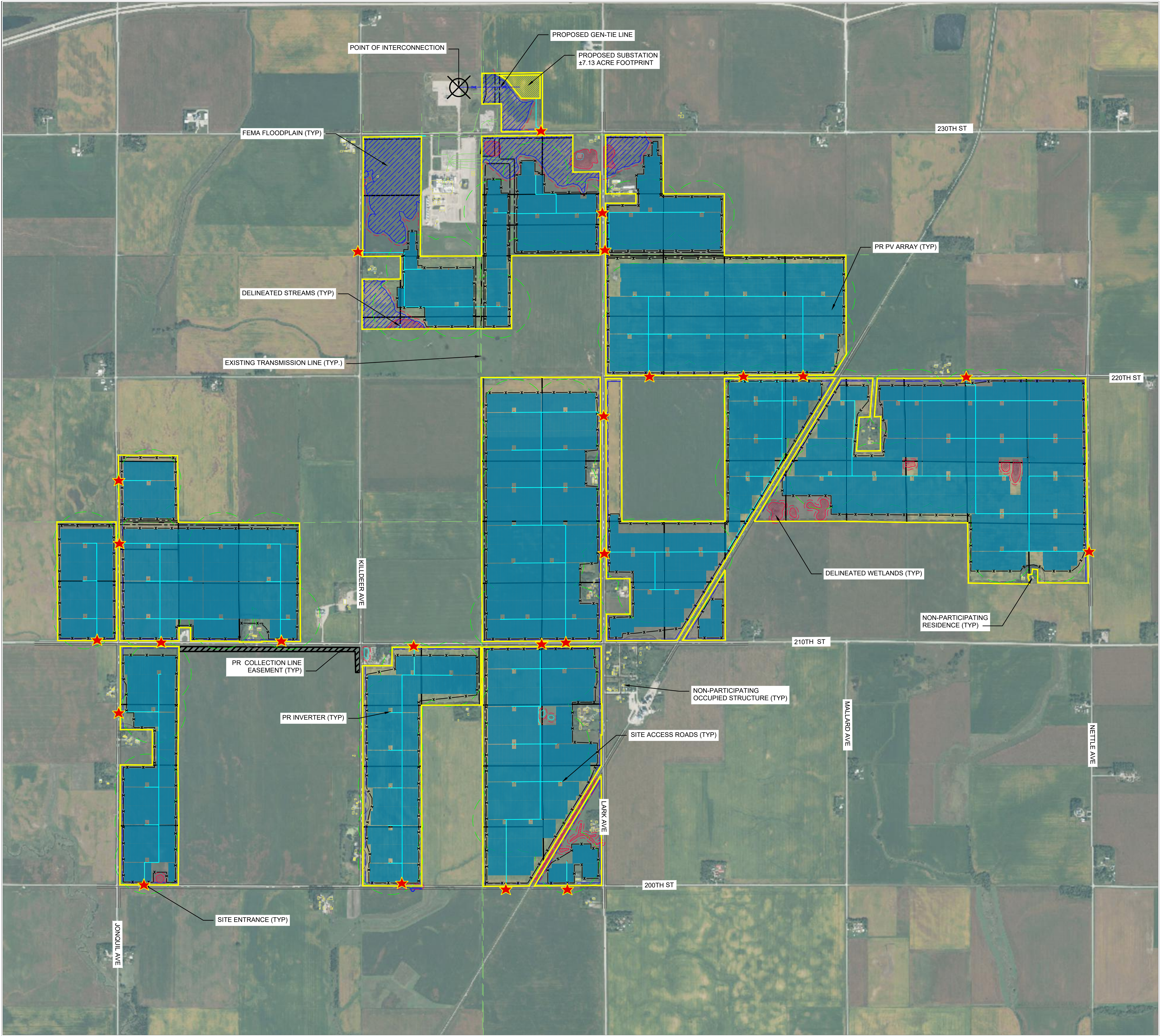


\\MAILS\GIS\PROJECT DATA\DATA\UNNAMED-CHN\24006361 - RANGER RIVER CITY ENERGY\DWG\PLAN SETS\SOLAR CAPACITY ANALYSIS\24006361 - RIVER CITY-CA-001 - REDUCED AREA.DWG 7/27/2025 12:58 PM BRISQK BDKOR



SITE DATA	
CAPACITY AC @ POI:	500 MW
CAPACITY DC:	701.65 MW
DC/AC RATIO @ POI:	1.403
PV MODULES:	
MANUFACTURER:	CANADIAN SOLAR
MODEL:	TOPBIHIK7
NAMEPLATE:	705W
QUANTITY:	995,254
INVERTERS:	
MANUFACTURER:	SMA
MODEL:	4400 UP-US
NAMEPLATE:	4.4MVA
QUANTITY:	122
ARRAY:	
MANUFACTURER:	NEXTRACKER
TYPE:	HORIZONTAL SINGLE AXIS
TILT:	E-W ±52°
PITCH:	22-7"
GCR:	33%
MODS/STRING:	26
3 STRING:	1,289
4 STRING:	8,603
FENCED AREA	2,244 AC
PROJECT ROADS	109,512 LINEAR FT

LEGEND	
	PROJECT BOUNDARY
	DELINEATED WETLANDS
	DELINEATED STREAMS
	FEMA FLOODPLAIN
	SITE ENTRANCE
	PROPOSED ACCESS ROADS
	EXISTING TRANSMISSION
	PUBLIC ROAD CENTERLINE
	INVERTER
	PROPOSED GEN-TIE LINE
	NON-PARTICIPATING UNOCCUPIED STRUCTURE
	NON-PARTICIPATING RESIDENCE
	PROPOSED FENCE
	PROPOSED COLLECTION LINE EASEMENT
	PROPOSED SUBSTATION
	POINT OF INTERCONNECTION (POI)

SETBACK TABLE		
TYPE	DISTANCE	LINE TYPE
NON-PARTICIPATING PARCELS	50'	----
ROAD ROW SETBACK	50'	----
WETLAND, WATERCOURSE & FLOODPLAIN	50'	----
NON-PARTICIPATING INHABITED STRUCTURE	250'	----
INVERTER	700'	----
TRANSMISSION CENTERLINE	50'	----

CONCEPTUAL - NOT FOR PERMITTING

Know what's below.
Call before you dig.

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

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

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RIVER CITY ENERGY

PRELIMINARY SITE PLAN

LAKE, MOUNT VERNON & BATH TOWNSHIP

CERRO GORDO COUNTY, IOWA

CLIENT

DATE 9/03/2024

REV A ISSUED FOR REVIEW

03/28/2025
04/16/2025
05/06/2025
07/02/2025

REVISIONS

SCALE 0 500 1,000
1" = 1,000 FEET

DR.	GS	CH.	ES
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P.M. ES

BOOK --

JOB 24006361

SHEET NO.

GA-001

CAD FILE: 24006361-RIVER CITY-CA-001 - REDUCED AREA.DWG