



## LEGEND

PROJECT BOUNDARY (PER KMZ FILE, PROVIDED BY CULTIVATE ON 05/14/2025)

ROAD CENTERLINE (TRACED PER AERIAL)

ROAD LABEL

PROPERTY LINE (PER MCHENRY COUNTY GIS 6/10/2025)

PROPERTY LINE SETBACK (PER MCHENRY COUNTY ZONING ORDINANCE)

RESIDENTIAL STRUCTURE SETBACK (PER MCHENRY COUNTY ZONING ORDINANCE)

EX. RESIDENCE/STRUCTURE (TRACED PER AERIAL)

EX. OVERHEAD ELECTRIC (TRACED PER AERIAL)

EX. UTILITY POLE (TRACED PER AERIAL)

EX. VEGETATION AREA (TRACED PER AERIAL)

EX. NWI WETLAND (DOWNLOADED PER NWI ON 06/11/2025)

NWI WETLAND BUFFER (PER MCHENRY COUNTY STORMWATER ORDINANCE)

EX. ADD WETLAND (DOWNLOADED PER MCHENRY COUNTY GIS ON 7/11/2025)

ADD WETLAND BUFFER (PER MCHENRY COUNTY STORMWATER ORDINANCE)

FEMA FLOOD ZONE (TRACED PER FEMA FIRM PANEL 17111C0205J, DATED 11/16/2006)

FEMA FLOOD ZONE BUFFER (ASSUMED)

EX. HISTORICAL FLOOD ZONES (TRACED PER MCHENRY COUNTY GIS)

EX. CONTOURS

EX. FLOW DIRECTION AND SLOPE

EX. WELLS

EX. HAZARDOUS WASTE PIPELINE

EX. EASEMENT (ASSUMED)

PR. FENCE

PR. PANEL LIMITS

PR. OVERHEAD ELECTRIC

PR. UNDERGROUND ELECTRIC

PR. GRAVEL ACCESS ROAD

PR. UTILITY POLE

PR. EQUIPMENT PAD

PR. SOLAR ARRAY

PR. STAGING AREA

PR. SUPPORTING FACILITIES — ENERGY STORAGE

PR. VEGETATIVE SCREENING

PR. TREE CLEARING

## NOTES

1. THE PURPOSE OF THIS PLAN IS FOR SPECIAL USE PERMIT REVIEW AND APPROVAL BY MCHENRY COUNTY TO CONSTRUCT A SOLAR ENERGY SYSTEM.
2. THIS PLAN WAS PRODUCED UTILIZING GIS RESOURCES AND INFORMATION FROM MULTIPLE SOURCES, INCLUDING MCHENRY COUNTY, GOOGLE EARTH, NATIONAL WETLAND MAPPING INVENTORY, AND USGS TOPOGRAPHIC INFORMATION.
3. SUBJECT PROPERTY DOES LIE WITHIN A SPECIAL FLOOD HAZARD AS SHOWN ON THE FLOOD INSURANCE RATE MAP (COMMUNITY PLAN 1711102025J) PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).
4. THE LOCATIONS OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: ACCESS ROAD, FENCING, SOLAR ARRAY RACKING, INVERTER/TRANSFORMER PADS, OVERHEAD POLES AND LINES, ETC., SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MODIFICATION DUE TO SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS, EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS DURING FINAL ENGINEERING.
5. STORMWATER MANAGEMENT FACILITIES TO BE PROVIDED AS REQUIRED BY COUNTY AND/OR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITTING. REQUIREMENTS TO BE DETERMINED DURING FINAL ENGINEERING.
6. A SOIL EROSION AND SEDIMENT CONTROL PLAN THAT MEETS THE NPDES STANDARDS WILL BE PROVIDED TO THE COUNTY DURING FINAL ENGINEERING.
7. SETBACKS SHOWN ON THIS PLAN ARE BASED ON MCHENRY COUNTY ZONING ORDINANCE.
8. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION ENDANGER EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL TRAFFIC MAY PROCEED NORMALLY AGAIN.
9. PANELS SHALL NOT EXCEED 20 FEET IN HEIGHT WHEN ORIENTED AT MAXIMUM TILT.
10. THE FACILITY WILL BE PLANTED WITH LOW-PROFILE NATIVE PRAIRIE SPECIES, USING A MIX APPROPRIATE FOR THE REGION AND SOIL CONDITIONS PER ILLINOIS DEPARTMENT OF NATURAL RESOURCES (DNR) STANDARDS.

## SITE DATA TABLE

PIN #S	14-05-400-006 & 14-05-400-004
PROPERTY OWNER	SINCERE, EDWARD A PAUL & WOSTK HARRIS BK 5602
SITE ADDRESS	6415 & 6517 BULL VALLEY RD, MCHENRY, IL, 60050
ZONING JURISDICTION	MCHENRY, IL
CURRENT LAND USE	AGRICULTURAL
PROPOSED USE	SOLAR ENERGY SYSTEM
PROJECT BOUNDARY AREA	63.2 ± AC
AREA WITHIN FENCE	33.1 ± AC
PRELIMINARY SOLAR AREA	26.6 ± AC
PR. TREE CLEARING AREA	1.8 ± AC
PROPERTY LINE/RIGHT OF WAY SETBACK	50 FT
OCCUPIED DWELLING SETBACK	150 FT
WWDC/WWAC	7.5/5.0
ESTIMATED NUMBER OF MODULES	12400
GROUND COVER RATIO (GCR)	31%