

CASE 074-S-22

SUPPLEMENTAL MEMORANDUM #2
FEBRUARY 14, 2023

Petitioner: Medanos Solar LLC, via agent Kiera Gavin

Request: Authorize a Community PV Solar Farm with a total nameplate capacity of 5 megawatts (MW), including access roads and wiring, in the AG-1 and AG-2 Agriculture Zoning Districts, and including the following waivers of standard conditions:

Part A: A waiver for a distance of 0 feet between a PV Solar Farm and a municipal boundary in lieu of the minimum required one-half mile (2,640 feet), per Section 6.1.5 B.(2)a. of the Zoning Ordinance.

Part B: A waiver for not providing a Decommissioning and Site Reclamation Plan that includes cost estimates prepared by an Illinois Licensed Professional Engineer prior to consideration of the Special Use Permit by the Board, per Section 6.1.1 A.3. of the Zoning Ordinance.

Part C: A waiver for not entering into a Roadway Upgrade and Maintenance Agreement or waiver therefrom with the relevant local highway authority prior to consideration of the Special Use Permit by the Board, per Section 6.1.5 G. of the Zoning Ordinance.

Part D: A waiver for not completing consultation with the State Historic Preservation Officer of the Illinois Department of Natural Resources prior to consideration of the Special Use Permit by the Board, per Section 6.1.5 K. of the Zoning Ordinance.

~~Part E: A waiver for a separation distance of 115 feet between the solar inverters and the perimeter fence in lieu of the minimum required 275 feet, per Section 6.1.5 D.(6).~~

Other waivers may be necessary.

Location: A 48.64-acre tract in the Southeast Quarter of the Southwest Quarter and the Southwest Quarter of the Southeast Quarter and part of a 197.02-acre tract in the east half of Section 4, Township 18 North, Range 14 West of the Second Principal Meridian in South Homer Township, and commonly known as farmland owned by Terry Wolf on the north side of CR 1100N (County Highway 15) northeast of the Village of Homer, Illinois.

Site Area: 245.66 acres (46.4 acre fenced solar farm area)

Time Schedule for Development: As soon as possible

Prepared by: **Susan Burgstrom**, Senior Planner
John Hall, Zoning Administrator

STATUS

A revised Site Plan was received on February 14, 2023 (Attachment B). The following changes will be added to the revised Summary of Evidence under Item 5.D.:

- D. A revised Site Plan received February 14, 2023, indicates the following change:
- (1) The proposed access road has been moved to the east through another property belonging to Terry Wolf. The proposed access drive is now outside the Village of Homer corporate limits.

The new proposed access drive traverses a property that is in the B-4 Zoning District. A PV Solar Farm is not allowed in the B-4 Zoning District but a PV Solar Array is allowed. The access drive is the only part of the PV Solar Farm that would be in the B-4 District and there is no difference between the driveway for a PV Solar Farm and the driveway for a PV Solar Array.

PROPOSED SPECIAL CONDITIONS

- A. **The approved site plan consists of the following documents:**
- Revised Site Plan received **February 14, 2023.**

The special condition stated above is required to ensure the following:

The constructed PV SOLAR FARM is consistent with the special use permit approval.

- B. **The Zoning Administrator shall not authorize a Zoning Use Permit Application or issue a Zoning Compliance Certificate on the subject property until the lighting specifications in Paragraph 6.1.2.A. of the Zoning Ordinance have been met.**

The special condition stated above is required to ensure the following:

That exterior lighting for the proposed Special Use meets the requirements established for Special Uses in the Zoning Ordinance.

- C. **The Zoning Administrator shall not issue a Zoning Compliance Certificate for the proposed PV SOLAR FARM until the petitioner has demonstrated that the proposed Special Use complies with the Illinois Accessibility Code, if necessary.**

The special condition stated above is required to ensure the following:

That the proposed Special Use meets applicable state requirements for accessibility.

- D. **The Zoning Administrator shall not authorize a Zoning Use Permit until the petitioner submits a copy of an executed Agricultural Impact Mitigation Agreement with the Illinois Department of Agriculture per the requirements established in Paragraph 6.1.5 R. of the Zoning Ordinance.**

The special condition stated above is required to ensure the following:

That the land affected by PV SOLAR FARM is restored to its pre-construction capabilities.

- E. **A signed Decommissioning and Site Reclamation Plan that has been approved by the Environment and Land Use Committee is required at the time of application for a Zoning Use Permit that complies with Section 6.1.1 A. and Section 6.1.5 Q. of the Zoning Ordinance, including a decommissioning cost estimate prepared by an Illinois Professional Engineer.**

The special condition stated above is required to ensure the following:

The Special Use Permit complies with Ordinance requirements and as authorized by waiver.

- F. *(Note: not needed if a waiver is received)* **A Roadway Upgrade and Maintenance Agreement signed by the Village of Homer and approved by the Environment and Land Use Committee, shall be submitted at the time of application for a Zoning Use Permit.**

The special condition stated above is required to ensure the following:

To ensure full compliance with the intent of the Zoning Ordinance in a timely manner that meets the needs of the applicant.

- G. **The following submittals are required prior to the approval of any Zoning Use Permit for a PV SOLAR FARM:**
1. **Documentation of the solar module's unlimited 10-year warranty and the 25-year limited power warranty.**
 2. **Certification by an Illinois Professional Engineer that any relocation of drainage district tile conforms to the Champaign County Storm Water Management and Erosion Control Ordinance.**
 3. **An irrevocable letter of credit to be drawn upon a federally insured financial institution with a minimum acceptable long term corporate debt (credit) rating of the proposed financial institution shall be a rating of "A" by S&P or a rating of "A2" by Moody's or a rating of "A-" by Kroll's within 200 miles of Urbana or reasonable anticipated travel costs shall be added to the amount of the letter of credit.**
 4. **A permanent soil erosion and sedimentation plan for the PV SOLAR FARM including any access road that conforms to the relevant Natural Resources Conservation Service guidelines and that is prepared by an Illinois Licensed Professional Engineer.**
 5. **Documentation regarding the seed to be used for the pollinator planting, per 6.1.5 F.(9).**
 6. *(Note: not needed if a waiver is received)* **A Transportation Impact Analysis provided by the applicant that is mutually acceptable to the Applicant and the County Engineer and State's Attorney; or Township Highway Commissioner; or municipality where relevant, as required by 6.1.5 G. 2.**

7. **An agency action report from the State Historic Preservation Office regarding historic and archaeological resources review, as required by 6.1.5 K.**
8. **The telephone number for the complaint hotline required by 6.1.5 S.**
9. **Any updates to the approved Site Plan from Case 074-S-22 per the Site Plan requirements provided in Section 6.1.5 U.1.c.**
- ~~10. **The petitioners will submit a copy of a resolution from the Village of Homer or a letter from the Village of Homer Mayor certifying that the part of the PV solar farm that is inside the Village of Homer has proper municipal zoning for that use.**~~

The special condition stated above is required to ensure the following:

The PV SOLAR FARM is constructed consistent with the Special Use Permit approval and in compliance with the Ordinance requirements.

- H. **A Zoning Compliance Certificate shall be required for the PV SOLAR FARM prior to going into commercial production of energy. Approval of a Zoning Compliance Certificate shall require the following:**
1. **An as-built site plan of the PV SOLAR FARM including structures, property lines (including identification of adjoining properties), as-built separations, public access road and turnout locations, substation(s), electrical cabling from the PV SOLAR FARM to the substations(s), and layout of all structures within the geographical boundaries of any applicable setback.**
 2. **As-built documentation of all permanent soil erosion and sedimentation improvements for all PV SOLAR FARM including any access road prepared by an Illinois Licensed Professional Engineer.**
 3. **An executed interconnection agreement with the appropriate electric utility as required by Section 6.1.5 B.(3)b.**
 - ~~4. **The petitioners will ensure that the part of the PV solar farm that is inside the Village of Homer has proper municipal zoning for that use.**~~

The special condition stated above is required to ensure the following:

The PV SOLAR FARM is constructed consistent with the special use permit approval and in compliance with the Ordinance requirements.

- I. **The Applicant or Owner or Operator of the PV SOLAR FARM shall comply with the following specific requirements that apply even after the PV SOLAR FARM goes into commercial operation:**
1. **Maintain the pollinator plantings in perpetuity.**
 2. **Cooperate with local Fire Protection District to develop the District's emergency response plan as required by 6.1.5 H.(2).**

3. **Cooperate fully with Champaign County and in resolving any noise complaints including reimbursing Champaign County any costs for the services of a qualified noise consultant pursuant to any proven violation of the I.P.C.B. noise regulations as required by 6.1.5 I.(4).**
4. **Maintain a current general liability policy as required by 6.1.5 O.**
5. **Submit annual summary of operation and maintenance reports to the Environment and Land Use Committee as required by 6.1.5 P.(1)a.**
6. **Maintain compliance with the approved Decommissioning and Site Reclamation Plan including financial assurances.**
7. **Submit to the Zoning Administrator copies of all complaints to the telephone hotline on a monthly basis and take all necessary actions to resolve all legitimate complaints as required by 6.1.5 S.**

The special condition stated above is required to ensure the following:

Future requirements are clearly identified for all successors of title, lessees, any operator and/or owner of the PV SOLAR FARM.

- J. **The PV SOLAR FARM COUNTY Board SPECIAL USE Permit designation shall expire in 10 years if no Zoning Use Permit is granted.**

The special condition stated above is required to ensure the following:

The PV SOLAR FARM is constructed in compliance with the Ordinance requirements.

- K. **The owners of the subject property hereby recognize and provide for the right of agricultural activities to continue on adjacent land consistent with the Right to Farm Resolution 3425.**

The special condition stated above is required to ensure the following:

Conformance with Policy 4.2.3 of the Land Resource Management Plan.

- L. Within the boundary of the solar farm, the petitioner shall:**

(1) Complete a survey identifying all drainage tile and stake off all tile encountered prior to construction;

(2) Replace or repair all privately owned underground drainage tile that are identified and encountered consistent with both the Champaign County Storm Water Management and Erosion Control Ordinance and with the Agriculture Impact Mitigation Agreement; and

(3) No Zoning Compliance Certificate shall be authorized by the Zoning Administrator until all required “as-built” drawings showing the location of all drainage tile within the boundary of the solar farm have been filed

with the Illinois Department of Agriculture and the Champaign County Soil and Water Conservation District.

The special condition stated above is required to ensure the following:

To ensure conformance with all relevant requirements for replacement of underground drainage tile within the area of the special use permit.

- M. The petitioner shall maintain the privately owned underground drainage tiles within the boundary of the solar farm for the lifetime of the special use permit including any repairs that may be necessary for up to one year after decommissioning and site reclamation.**

The special condition stated above is required to ensure the following:

To ensure maintenance of underground drainage tile within the area of the special use permit for the lifetime of the special use permit.

ATTACHMENTS

- A Legal advertisement
- B Revised Site Plan received February 14, 2023

LEGAL PUBLICATION: WEDNESDAY, DECEMBER 14, 2022

CASE: 074-S-22

**NOTICE OF A PUBLIC HEARING IN REGARD TO A SPECIAL USE PERMIT WITH
WAIVERS UNDER THE PROVISIONS OF THE CHAMPAIGN COUNTY ZONING
ORDINANCE**

CASE: 074-S-22

Medanos Solar LLC, PO Box 14055, Chicago, IL, a subsidiary of Cultivate Power, LLC, owned by Brian Matthay, 2819 Buchanan St, San Francisco, CA 94123 and Noah Hyte, 321 Beloit Ave, Los Angeles, CA 90049, via agent Kiera Gavin, and participating landowner Terry Wolf, 1409 W Bridalveil Pl, Oro Valley, AZ, have filed a petition for a Special Use Permit with Waivers under the provisions of the Champaign County Zoning Ordinance on property in unincorporated Champaign County. The petition is on file in the office of the Champaign County Department of Planning and Zoning, 1776 East Washington Street, Urbana, IL.

A public hearing will be held **Thursday, December 29, 2022, at 6:30 p.m.** prevailing time in the Shields-Carter Meeting Room, Brookens Administrative Center, 1776 East Washington Street, Urbana, IL, at which time and place the Champaign County Zoning Board of Appeals will consider a petition for the following:

Authorize a Community PV Solar Farm with a total nameplate capacity of 5 megawatts (MW), including access roads and wiring, in the AG-1 and AG-2 Agriculture Zoning Districts, and including the following waivers of standard conditions:

- Part A: A waiver for a distance of 0 feet between a PV Solar Farm and a municipal boundary in lieu of the minimum required one-half mile (2,640 feet), per Section 6.1.5 B.(2)a. of the Zoning Ordinance.
- Part B: A waiver for not providing a Decommissioning and Site Reclamation Plan that includes cost estimates prepared by an Illinois Licensed Professional Engineer prior to consideration of the Special Use Permit by the Board, per Section 6.1.1 A.3. of the Zoning Ordinance.
- Part C: A waiver for not entering into a Roadway Upgrade and Maintenance Agreement or waiver therefrom with the relevant local highway authority prior to consideration of the Special Use Permit by the Board, per Section 6.1.5 G. of the Zoning Ordinance.
- Part D: A waiver for not completing consultation with the State Historic Preservation Officer of the Illinois Department of Natural Resources prior to consideration of the Special Use Permit by the Board, per Section 6.1.5 K. of the Zoning Ordinance.

Other waivers may be necessary.

On the following properties:

A 48.64-acre tract in the Southeast Quarter of the Southwest Quarter and the Southwest Quarter of the Southeast Quarter and part of a 197.02-acre tract in the east half of Section 4, Township 18 North, Range 14 West of the Second Principal Meridian in South Homer

Township, and commonly known as farmland owned by Terry Wolf on the north side of CR 1100N (County Highway 15) northeast of the Village of Homer, Illinois.

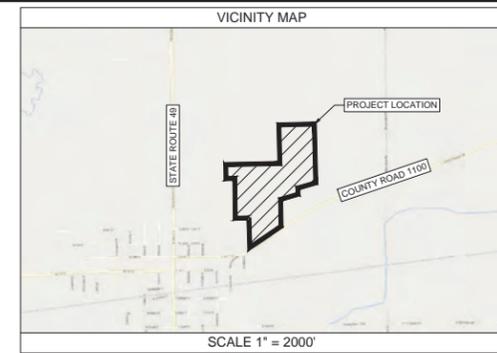
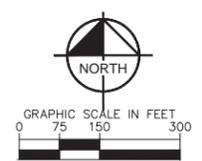
All persons interested are invited to attend said hearing and be heard. If you would like to submit comments or questions before the meeting, please call the P&Z Department at 217-384-3708 or email zoningdept@co.champaign.il.us no later than 4:30 pm the day of the meeting. The hearing may be continued and reconvened at a later time.

Ryan Elwell, Chair
Champaign County Zoning Board of Appeals

TO BE PUBLISHED: WEDNESDAY, DECEMBER 14, 2022 ONLY

Send bill and one copy to: Champaign County Department of Planning and Zoning
 Brookens Administrative Center
 1776 E. Washington Street
 Urbana, IL 61802
 Phone: 384-3708

Our News Gazette account number is 99225860.



LEGEND

PROPERTY LINE (PER CHAMPAIGN COUNTY GIS)	---
RIGHT OF WAY (ASSUMED)	R/W
SETBACK	---
STREET CENTERLINE	---
MAJOR STREET CENTERLINE SETBACK	---
EX. DRAIN TILE (APPROXIMATE)	---
EX. DRAIN TILE CORRIDOR (APPROXIMATE)	---
EX. DRAIN TILE SETBACK (ASSUMED)	---
EX. OVERHEAD ELECTRIC (PER AERIAL)	EX OHE
EX. UTILITY POLE (PER AERIAL)	○
ROAD LABEL	IL-251
EX. FLOW (DIRECTION AND SLOPE)	XX
PR. SECURITY FENCE	X
PR. PANEL LIMITS	---
PR. LIMITS OF DISTURBANCE	LoD
PR. OVERHEAD ELECTRIC	OHE
PR. UNDERGROUND ELECTRIC	USE
PR. GRAVEL ACCESS ROAD	▨
PR. UTILITY POLE	○
PR. EQUIPMENT PAD	□
PR. SOLAR ARRAY	▭
PR. STAGING AREA	▧

SITE DATA TABLE

PIN NUMBERS	26-30-04-300-005, 26-30-04-400-019, 26-30-04-126-003
PROPERTY OWNER	TERRY WOLF
SITE ADDRESS	2710 COUNTY RD 1100 N, HOMER, IL 61849 SOUTH HOMER, IL 61849, CHAMPAIGN COUNTY
ZONING JURISDICTION	CHAMPAIGN COUNTY
CURRENT LAND USE	AGRICULTURE
PROPOSED USE	SOLAR FARM ENERGY SYSTEM
TOTAL PARCEL AREA	237.0 ± AC
PROJECT AREA	52.3 ± AC
AREA WITHIN FENCE	46.5 ± AC
PRELIMINARY SOLAR AREA	38.9 ± AC
MAJOR STREET CENTERLINE SETBACK	60'
PROPERTY LINE SETBACK	10', 26', 240' OR 480', SEE NOTE 15
ASSUMED DRAIN TILE SETBACK	75'

*ZONING SITE PLAN IS BEING SUBMITTED FOR SPECIAL USE PERMIT TO CONSTRUCT/OPERATE A SOLAR FARM ENERGY SYSTEM

- ### NOTES
- THE PURPOSE OF THIS PLAN IS FOR SPECIAL USE REVIEW AND APPROVAL BY CHAMPAIGN COUNTY TO CONSTRUCT A SOLAR FARM ENERGY SYSTEM.
 - THIS PLAN WAS PRODUCED UTILIZING GIS RESOURCES AND INFORMATION FROM MULTIPLE SOURCES, INCLUDING CHAMPAIGN COUNTY, GOOGLE EARTH, AND USGS TOPOGRAPHIC INFORMATION.
 - SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AS SHOWN ON THE FLOOD INSURANCE RATE MAP (COMMUNITY PANEL 17019C05000) PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA).
 - THE LOCATIONS OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: 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.
 - PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED AND GRUBBED AS NECESSARY, RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS TO THE BEST EXTENT POSSIBLE. CONSTRUCTION STAGING AND AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH GRAVEL. SOIL CONDITIONS AND EQUIPMENT LOADS WILL DETERMINE FINAL DESIGN.
 - ALL DIMENSIONS SHOWN ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL CALL AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. ADDITIONALLY, CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES.
 - CONTRACTOR SHALL MAINTAIN ACCESS AND UTILITY SERVICES TO ANY REMAINING BUILDING(S) OR ADJACENT BUILDING(S) THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
 - THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION ENDANGERS EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.
 - SITE WILL HAVE NO DEDICATIONS FOR OPEN SPACE, NATURAL AREA, HISTORIC BUILDING(S)/STRUCTURE(S), OR STORMWATER MANAGEMENT FACILITIES.
 - 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.
 - SOLAR PANELS WILL BE DESIGNED WITH ANTI-REFLECTIVE COATING TO MINIMIZE GLARE.
 - COLLECTION LINES WITHIN THE SOLAR FARM WILL BE LOCATED AND MAINTAINED UNDERGROUND.
 - THERE SHALL BE NO EXTERIOR LIGHTING.
 - SETBACKS SHOWN ON THIS PLAN ARE BASED ON CHAMPAIGN COUNTY CODE OF ORDINANCES, SECTION F OF MONTGOMERY COUNTY, IL ORDINANCE FOR SOLAR ENERGY FARM, AND SOLAR GRADE CONDITIONS.
 - ALL NECESSARY PERMITS FOR SOIL EROSION CONTROL AND DRIVEWAY CONSTRUCTION WILL BE OBTAINED AS PART OF FINAL ENGINEERING AND PRIOR TO CONSTRUCTION.

REV.	NO.	REVISIONS	DATE
6	REV. 6		02/13/2023
5	REV. 5		01/16/2023
4	REV. 4		11/01/2022
3	REV. 3		10/31/2022
2	REV. 2		09/15/2022
1	REV. 1		09/14/2022

CULTIVATE POWER

Kimley-Horn
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570 LAKE COOK RD SUITE 200
WWW.KIMLEY-HORN.COM



KHA PROJECT	266262003
ORIGINAL DATE	09/09/2022
SCALE	AS SHOWN
DESIGNED BY	CC
DRAWN BY	ACW
CHECKED BY	JC

ZONING SITE PLAN

**CULTIVATE POWER
MEDANOS SOLAR,
LLC**
CHAMPAIGN COUNTY, IL

SHEET NUMBER
EX-1

RECEIVED
FEB 14, 2023
CHAMPAIGN COUNTY
PLANNING & ZONING

Drawing name: K:\CHS_LDR\266262003_Culiveta_Zoning_Site_Plan_Medanos_L2_Design\CAD\Exhibit\ZONING_SITE_PLAN_MEDANOS_ZONING_SITE_PLAN.dwg 1 OF 1 Feb 13, 2023 3:03pm by Ryan Davis
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.