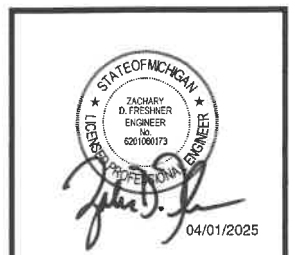


SURVEY PROVIDED BY:
 ROBERT MATKO
 CESO, INC.
 13060 S. US HIGHWAY 27, SUITE D
 DEWITT, MI 48820
 PHONE: 517.622.3000
 DATED: 2024.10.15
 CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION.



PIVOT ENERGY MI 20 LLC
 MADISON CHARTER TOWNSHIP, LENAWEE COUNTY, MICHIGAN

Pivot Energy
 1601 WEWATTA ST., SUITE 700
 DENVER, CO 80202
 303.754.3033

Revisions / Submissions

ID	Description	Date

© 2025 CESO, INC.
 Project Number: 764656
 Scale: 1:80
 Drawn By: RAD
 Checked By: JRM
 Date: 04.01.2025
 Issue: CONDITIONAL USE PERMIT

Drawing Title:
EXISTING CONDITIONS PLAN

C:\Users\ryne.dalghan\Documents\CESO\PIVOT Energy Michigan\Project Files\CESOMI20_Madison-Charter03-CIVIL\PLAN\CONSTRUCTION\764656_EX CONDITIONS.dwg - 3/31/2025 - Ryne Dalghan

SITE NOTES

1. THERE WILL BE 24/7 UNESCORTED ACCESS TO CONSUMERS ENERGY EQUIPMENT
2. CUSTOMER WILL COORDINATE WITH CONSUMERS ENERGY WITH TECHNICAL DETAILS AND LOCATION OF PRIMARY METER
3. CUSTOMER OWNED POLES WILL BE A MINIMUM OF 30' FROM SOLAR MODULES
4. ALL POLES WILL BE MINIMUM 25' APART UNLESS NOTED OTHERWISE



PROPOSED FENCED AREA: 10.4 ACRES
8' AG FENCE MINIMUM 20' FROM ARRAY

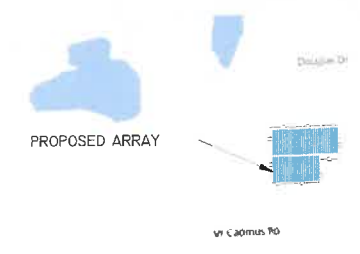
PV ARRAY SETBACK

OLD MARATHON TRANSMISSION LINE
OUT OF SERVICE PER DTE ENERGY
(LOCATION APPROX. PER PLANS)

SUSAN ROBERSON
PPN: MD0-107-4860-00

LARRY & BONNIE L SHADEWALD
PPN: MD0-107-4890-00

1 ARRAY PLAN
SCALE: 1" = 100'



2 VICINITY MAP
SCALE: 1" = 1000'

- SYSTEM SPECIFICATIONS**
- SYSTEM SIZE: 2392.50kW_{DC} / 1875kW_{AC}
 - ENERGY YIELD: 1593KWH/KWP/YEAR
 - ANNUAL OUTPUT: 3,811,637KWH/YEAR
 - PV MODULE: (4125) SILFAB SIL-580 XM+ 580W
 - INVERTER: (15) CPS SCHI25KTL-DO/US-600 125kW
 - POWER FACTOR: 1.0
 - RACKING: (3) ATI DURATRACK SINGLE-AXIS TRACKER
 - GROUND COVERAGE RATIO: 0.32
 - FENCED AREA: 10.4 ACRES

- SITE SPECIFICATIONS**
- JURISDICTION: MADISON TOWNSHIP, LENAWEE COUNTY
 - PARCEL ID: MD0-107-4890-00, MD0-107-4860-00
 - PARCEL AREA: 17.3393, 17.3380 ACRES
 - ZONING CLASSIFICATION: AGRICULTURE
 - ZONING SETBACKS: SOLAR ARRAY AND STRUCTURES
 - 300' FROM ROW ALONG STATE HIGHWAYS (N/A)
 - 150' FROM ROW ALONG OTHER ROADWAYS
 - 150' ADJACENT TO R, R-1, AND R-2 DISTRICT LAND
 - MINIMUM 50' SETBACK FROM LOT LINES
 - MINIMUM 50' SETBACK FROM WETLANDS
 - UTILITY: CONSUMERS ENERGY
 - INTERCONNECTION SERVICE VOLTAGE: 7.2 / 12.47kv
 - ASHRAE 2% AVG HIGH TEMP: 32.5°C
 - ASHRAE EXTREME LOW TEMP: -21.9°C
 - GRADING REQUIRED: NONE EXPECTED
 - TREE REMOVAL REQUIRED: NONE EXPECTED
 - PANEL HEIGHT 12 FT TYPICAL. EQUIPMENT HEIGHT VARIES BUT 8 FT TYPICAL
 - SECURITY MEASURES INCLUDE HAZARD AND WARNING SIGN, KNOX BOX ON GATE FOR EMERGENCY ACCESS, PERIMETER FENCE 7-8 FT
 - NO LIGHTING PROPOSED
 - EVERGREEN VEGETATIVE BUFFER TO COMPLY WITH MADISON TOWNSHIP ZONING ORDINANCE REGARDING SOLAR ENERGY

- LEGEND**
- ACCESS ROAD
 - AREA OF INTEREST
 - HIGH VOLTAGE OVERHEAD ELECTRICAL LINES
 - MEDIUM VOLTAGE OVERHEAD ELECTRICAL LINES
 - MEDIUM VOLTAGE UNDERGROUND ELECTRICAL LINES
 - LOW VOLTAGE ELECTRICAL LINES
 - FENCELINE
 - PARCEL BOUNDARY
 - FIRE ACCESSWAYS
 - FLOOD PLAIN
 - OBSTRUCTIONS
 - SETBACKS
 - TREE REMOVAL
 - VEGETATIVE BUFFER
 - WETLAND AREA



Zachary D. Freshner
04/01/2025
POST SURVEY DESIGN: MODULE CHANGE, POI DESCRIPTION

REV	DATE	DESCRIPTION
0	2025.03.05	

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PIVOT ENERGY MI 20 LLC
41.87527, -84.10586
ADRIAN, MI 49221
DATE: 04/01/2025