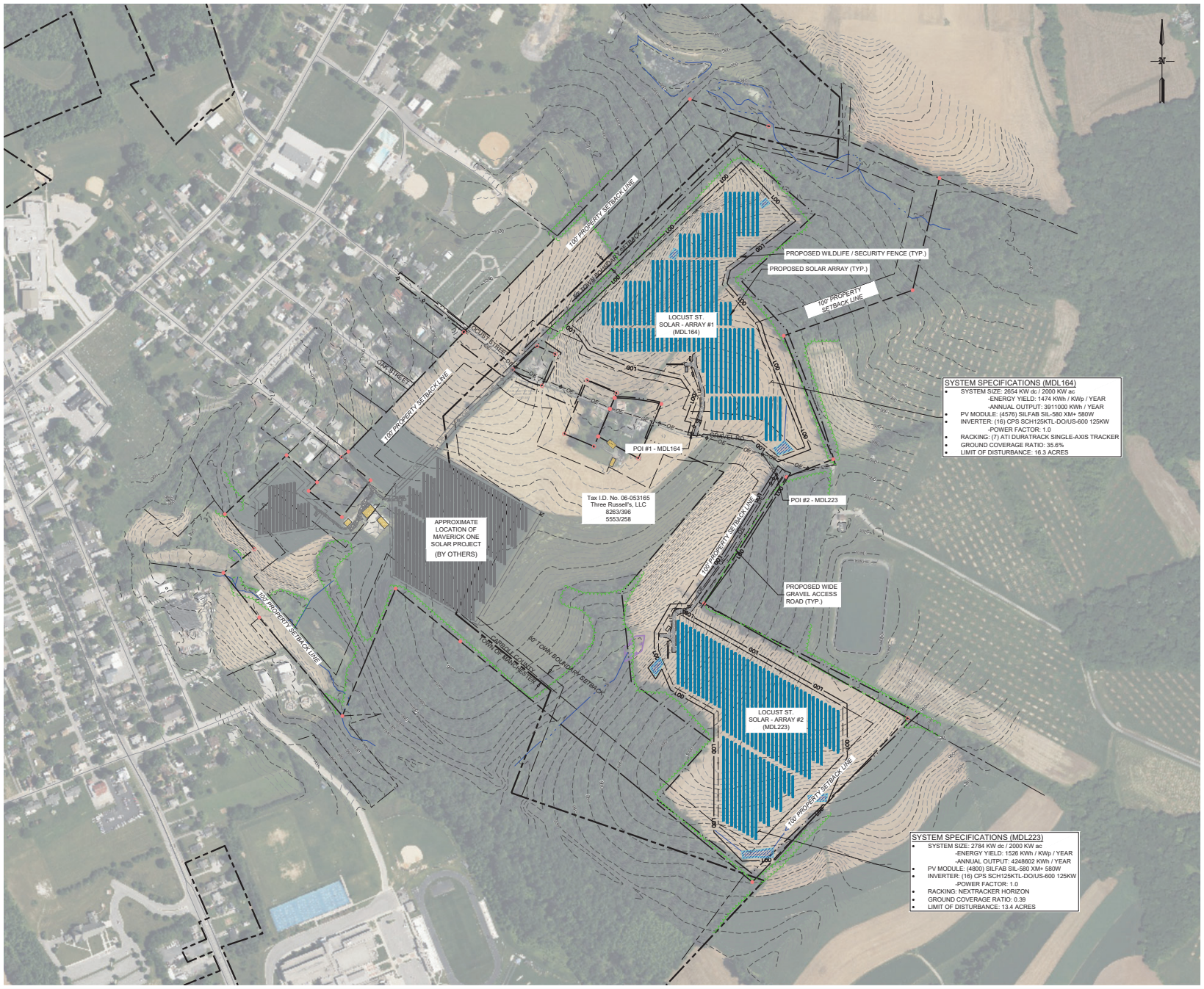

SYSTEM SPECIFICATIONS (MDL164)

- SYSTEM SIZE: 2654 KW dc / 2000 KW ac
  - -ENERGY YIELD: 1474 KWh / KWp / YEAR
  - -ANNUAL OUTPUT: 3911000 KWh / YEAR
- PV MODULE: (4576) SILFAB SIL-580 XM+ 580W
- INVERTER: (16) CPS SCH125KTL-DO/US-600 125KW
  - -POWER FACTOR: 1.0
- RACKING: (7) ATI DURATRACK SINGLE-AXIS TRACKER
- GROUND COVERAGE RATIO: 35.6%
- LIMIT OF DISTURBANCE: 16.3 ACRES

SYSTEM SPECIFICATIONS (MDL223)

- SYSTEM SIZE: 2784 KW dc / 2000 KW ac
  - -ENERGY YIELD: 1526 KWh / KWp / YEAR
  - -ANNUAL OUTPUT: 4248602 KWh / YEAR
- PV MODULE: (4800) SILFAB SIL-580 XM+ 580W
- INVERTER: (16) CPS SCH125KTL-DO/US-600 125KW
  - -POWER FACTOR: 1.0
- RACKING: NEXTRACKER HORIZON
- GROUND COVERAGE RATIO: 0.39
- LIMIT OF DISTURBANCE: 13.4 ACRES

NOTES:

1. THE BASE MAP HAS BEEN CREATED USING LIDAR DATA PROVIDED BY PASDA.
2. THIS PLAN IS IN THE MARYLAND STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.
3. ALL DIMENSIONS TO BE CONFIRMED ON-SITE PRIOR TO CONSTRUCTION.
4. ALL DIMENSIONS ARE INDICATIVE ONLY AND IN FT. UNLESS OTHERWISE SPECIFIED.

LEGEND

NOTE: LEGEND IS TYPICAL, NOT ALL OBJECTS IN LEGEND APPEAR IN PLAN.

- EXISTING CONTOURS
- SURVEYED PROPERTY BOUNDARY
- ADJOINING PROPERTY LINE
- APPROXIMATE LOCATION OF MUNICIPAL BOUNDARY LINE
- EXISTING SETBACK
- EXISTING ACCESS EASEMENT
- EXISTING MONUMENT
- WeB — EXISTING SOIL BOUNDARY & DESCRIPTOR
- EXISTING VERIFIED WETLANDS
- EXISTING WATERCOURSE
- EXISTING TREELINE
- EXISTING UTILITY POLE
- OE — EXISTING OVERHEAD ELECTRIC
- EXISTING STRUCTURE
- EXISTING GRAVEL ROAD
- 1490 — PROPOSED CONTOURS
- PROPOSED UTILITY POLE
- OE — PROPOSED OVERHEAD ELECTRIC
- UE — PROPOSED UNDERGROUND ELECTRIC
- PROPOSED ACCESS ROAD
- PROPOSED FENCE
- PROPOSED EQUIPMENT PAD
- PROPOSED SINGLE-AXIS TRACKER ARRAY
- LOD — PROPOSED LIMITS OF DISTURBANCE
- PROPOSED APPROXIMATE CHANNEL
- PROPOSED APPROXIMATE BASIN

SITE SPECIFICATIONS:

- JURISDICTION: CARROLL COUNTY
  - -PARCEL ID: 0023-0018-0779
  - -PARCEL AREA: 127.46 ACRES
  - -ZONING CLASSIFICATION: RESIDENTIAL (R-40,000)
  - -ZONING SETBACKS: 100' FROM PROPERTY BOUNDARY
  - -SETBACKS ARE AS PER STATE-WIDE SITING LAW
- UTILITY: BGE
  - -INTERCONNECTION SERVICE VOLTAGE: 33kv
- ASHRAE 2% AVG. HIGH TEMP: 94.0°c
- ASHREA EXTREME LOW TEMP: -15.7°c
- APPROXIMATE GRADING REQUIRED:
  - -CUT: 6,856 YD³
  - -FILL: 16,677 YD³
- TREE REMOVAL REQUIRED: NONE
- TOTAL LIMIT OF DISTURBANCE AREA: 29.64 ACRES

STATE OF MARYLAND
KYLE CARPENTER
64291
PROFESSIONAL ENGINEER
02/20/2026

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 64291 EXPIRATION DATE: 02/26/2027

S-25-0036

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Engineers and Scientists
www.armgroup.net

No.	Revision	Date	By

drawn by: ARM
checked: KDC
approved: CLE
scale: 1" = 200'
date: 2/17/2026
project no: 2401 1823
0 200 400 800
SCALE IN FEET

Sheet 3

PROPOSED OVERALL SITE CONDITIONS PLAN
PRELIMINARY SOLAR DEVELOPMENT PLAN

project name: MDL164 LOCUST STREET SOLAR

CARROLL COUNTY, MARYLAND

P:\Project Energy\Hydrologic\MDL\MDL 2025 - Locust St\CAD\Civil\Plans\Site Conditions - Overall.dwg Plotted February 19, 2026