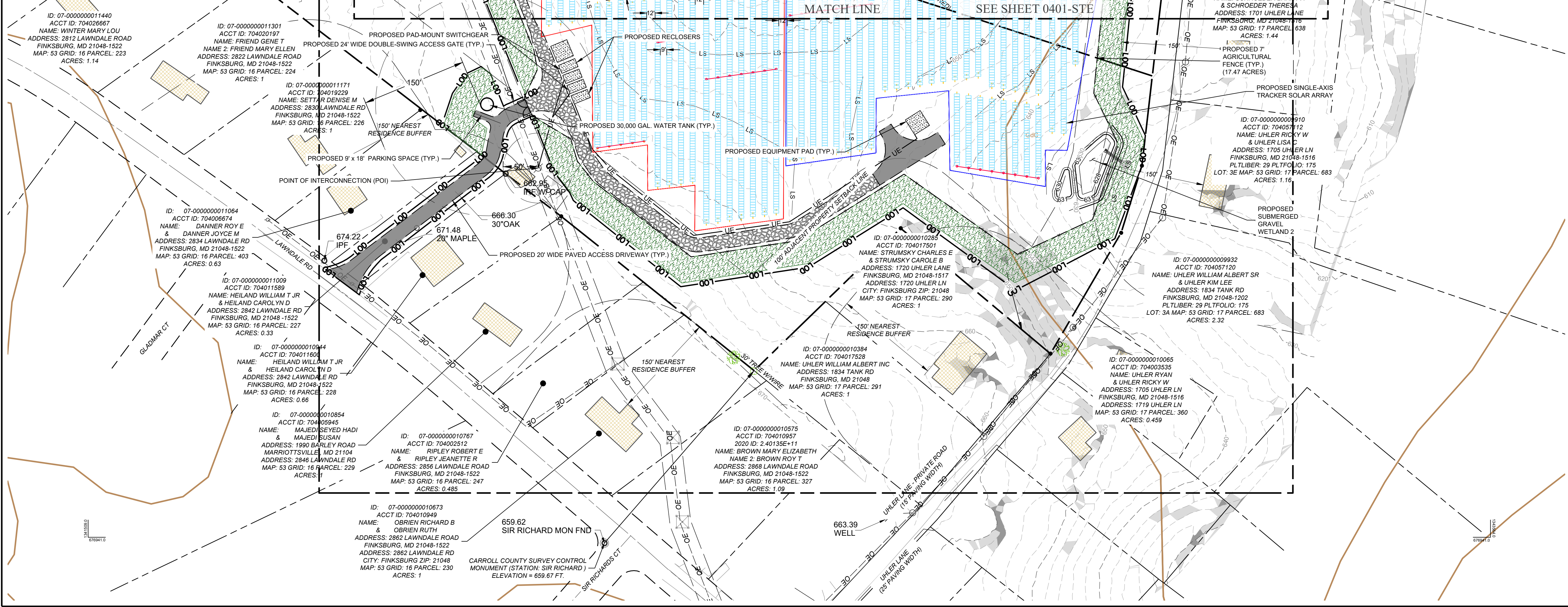


CARROLL HEILAND SOLAR, LLC SYSTEM DETAILS	
INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	650 FT
MODULE TYPE:	ASTRONERGY CHSM72M(DG)/F-BH
MODULE SIZE:	555 W
MODULE QUANTITY:	4,617
TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %
MODULES PER STRING:	27
STRING COUNT:	171
INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	14
RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	2,562 MW
SYSTEM SIZE (AC):	2,000 MW
DC/AC RATIO:	1.281
ROW SPACING (FRONT TO BACK):	9.135 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180 °

CARROLL HEILAND SOLAR 2, LLC SYSTEM DETAILS	
INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	650 FT
MODULE TYPE:	ASTRONERGY CHSM72M(DG)/F-BH
MODULE SIZE:	555 W
MODULE QUANTITY:	4,482
TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %
MODULES PER STRING:	27
STRING COUNT:	166
INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	14
RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	2,487 MW
SYSTEM SIZE (AC):	2,000 MW
DC/AC RATIO:	1.244
ROW SPACING (FRONT TO BACK):	9.135 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180 °



NOTES:

1. THE BASE MAP HAS BEEN CREATED USING AERIAL IMAGERY, AVAILABLE COUNTY GIS DATA, AND SURVEYED DATA.
2. AN ALTA SURVEY WAS COMPLETED BY ARM GROUP LLC ON SEPTEMBER 03, 2025.
3. AN AQUATIC RESOURCE INVESTIGATION WAS COMPLETED BY ARM GROUP LLC ON JULY 22, 2025.
4. PHASE 1 ENVIRONMENTAL SITE ASSESSMENT (ESA) WAS COMPLETED BY ARM GROUP LLC ON AUGUST 22, 2025.
5. THIS PLAN IS IN THE MARYLAND STATE PLANE, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATE SYSTEM.
6. SOIL BOUNDARIES OBTAINED FROM THE NRCS WEB SOIL SURVEY.
7. ALL DIMENSIONS TO BE CONFIRMED ON-SITE PRIOR TO CONSTRUCTION. ALL DIMENSIONS ARE INDICATIVE ONLY AND IN FT. UNLESS OTHERWISE SPECIFIED.
8. THE PROJECT IS LOCATED WITHIN A TIER II CATCHMENT AREA WITHOUT ASSIMILATIVE CAPACITY.

LEGEND

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

- 000 --- EXISTING CONTOURS
- PROPERTY BOUNDARY
- ADJOINING PROPERTY LINE
- EXISTING RIGHT OF WAY
- WeB --- EXISTING SOIL BOUNDARY & DESCRIPTOR
- EXISTING SETBACK
- OE --- OE --- EXISTING OVERHEAD ELECTRIC
- EXISTING TRANSMISSION TOWER
- EXISTING STRUCTURE
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD
- 10-15% SLOPES
- >15% SLOPES
- W --- EXISTING WELL
- EXISTING TREE
- EXISTING WALL
- 000 --- PROPOSED CONTOURS
- OE --- OE --- PROPOSED OVERHEAD ELECTRIC
- UE --- UE --- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
- PROPOSED DRIVE LINE
- PROPOSED GRAVEL ACCESS DRIVEWAY
- PROPOSED BITUMINOUS PAVING
- PROPOSED EQUIPMENT PAD
- PROPOSED FENCE
- PROPOSED LANDSCAPE BUFFER
- PROPOSED APPROXIMATE LEVEL SPREADER
- PROPOSED WATER TANK
- PROPOSED TREE LINE
- L00 --- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED CARROLL HEILAND SOLAR, LLC SITE BOUNDARY
- PROPOSED CARROLL HEILAND SOLAR 2, LLC SITE BOUNDARY
- PANEL AREAS TO BE GRADED TO 15% MAXIMUM

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ARM Group LLC
Engineers and Scientists
www.armgroup.net

Drawn by:	ABC	Checked by:	BCC	Designed by:	CLE
Project No.:	2501118	Date:	06/17/2026	Scale:	1" = 80'
Revision:		By:		Date:	
No.					

OVERALL PROPOSED SITE CONDITIONS PLAN
2842 LAWDALE RD, FINKSBURG, MD 21048

CARROLL HEILAND SOLAR, LLC
CARROLL HEILAND SOLAR 2, LLC

FINKSBURG
CARROLL COUNTY, MARYLAND

Sheet

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