



- NOTES:**
1. THE BASE MAP HAS BEEN CREATED USING AERIAL IMAGERY AND AVAILABLE COUNTY GIS DATA.
  2. AN ALTA SURVEY WAS COMPLETED BY ARM GROUP LLC ON AUGUST 28, 2025.
  3. AN AQUATIC RESOURCE INVESTIGATION WAS COMPLETED BY ARM GROUP LLC ON AUGUST 11, 2025.
  4. PHASE 1 ENVIRONMENTAL SITE ASSESSMENT (ESA) WAS COMPLETED BY ARM GROUP LLC ON AUGUST 20, 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.

**LEGEND**

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

---	EXISTING CONTOURS
---	SURVEYED PROPERTY BOUNDARY
---	ADJOINING PROPERTY LINE
●	EXISTING MONUMENT
---	EXISTING SOIL BOUNDARY & DESCRIPTOR
---	EXISTING SETBACK
---	EXISTING RIGHT OF WAY
---	EXISTING ACCESS EASEMENT
---	EXISTING PAVED ROAD
---	EXISTING ACCESS ROAD
---	EXISTING TREE LINE
---	EXISTING TREE
---	EXISTING STRUCTURE
---	EXISTING UTILITY POLE
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING POST
---	EXISTING METER
---	>15% SLOPES
---	PROPOSED UTILITY POLE
---	PROPOSED OVERHEAD ELECTRIC
---	PROPOSED UNDERGROUND ELECTRIC
---	PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
---	PROPOSED ACCESS ROAD
---	PROPOSED PAVED ROAD
---	PROPOSED EQUIPMENT PAD
---	PROPOSED FENCE
---	PROPOSED LANDSCAPE BUFFER
---	PROPOSED DRIVE LINE
---	PROPOSED CARROLL RICCI SOLAR 1, LLC SITE BOUNDARY
---	PROPOSED CARROLL RICCI SOLAR 2, LLC SITE BOUNDARY
---	PROPOSED CARROLL RICCI SOLAR 3, LLC SITE BOUNDARY

**OVERALL SYSTEM DETAILS**

LATITUDE:	39.542° N
LONGITUDE:	-76.919° W
HIGH TEMPERATURE:	+99.5° F   +37.5° C
LOW TEMPERATURE:	+9.9° F   -12.3° C
INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	700 FT
MODULE TYPE:	ASTRO 5 Twins CHSM72M(DG)F-BH
MODULE SIZE:	555 W
MODULE QUANTITY:	12,690
TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %
MODULES PER STRING:	27
STRING COUNT:	470
INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	34
RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	7,043 MW
SYSTEM SIZE (AC):	5,000 MW
DC/AC RATIO:	1.409
ROW SPACING (FRONT TO BACK):	9.14 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180°
FENCE AREA ACREAGE:	25.89 AC.

CARROLL RICCI SOLAR 1, LLC SYSTEM DETAILS		CARROLL RICCI SOLAR 2, LLC SYSTEM DETAILS		CARROLL RICCI SOLAR 3, LLC SYSTEM DETAILS	
LATITUDE:	39.542° N	LATITUDE:	39.542° N	LATITUDE:	39.542° N
LONGITUDE:	-76.919° W	LONGITUDE:	-76.919° W	LONGITUDE:	-76.919° W
HIGH TEMPERATURE:	+99.5° F   +37.5° C	HIGH TEMPERATURE:	+99.5° F   +37.5° C	HIGH TEMPERATURE:	+99.5° F   +37.5° C
LOW TEMPERATURE:	+9.9° F   -12.3° C	LOW TEMPERATURE:	+9.9° F   -12.3° C	LOW TEMPERATURE:	+9.9° F   -12.3° C
INTERCONNECTION:	13.0 kV	INTERCONNECTION:	13.0 kV	INTERCONNECTION:	13.0 kV
ESTIMATED ELEVATION ABOVE SEA LEVEL:	700 FT	ESTIMATED ELEVATION ABOVE SEA LEVEL:	700 FT	ESTIMATED ELEVATION ABOVE SEA LEVEL:	700 FT
MODULE TYPE:	ASTRO 5 Twins CHSM72M(DG)F-BH	MODULE TYPE:	ASTRO 5 Twins CHSM72M(DG)F-BH	MODULE TYPE:	ASTRO 5 Twins CHSM72M(DG)F-BH
MODULE SIZE:	555 W	MODULE SIZE:	555 W	MODULE SIZE:	555 W
MODULE QUANTITY:	5,078	MODULE QUANTITY:	4,941	MODULE QUANTITY:	2,673
TILT DEGREES:	±52°	TILT DEGREES:	±52°	TILT DEGREES:	±52°
GROUND COVER RATIO:	45 %	GROUND COVER RATIO:	45 %	GROUND COVER RATIO:	45 %
MODULES PER STRING:	27	MODULES PER STRING:	27	MODULES PER STRING:	27
STRING COUNT:	188	STRING COUNT:	159	STRING COUNT:	99
INVERTER(S):	SMA SHP 150-US-21	INVERTER(S):	SMA SHP 150-US-21	INVERTER(S):	SMA SHP 150-US-21
INVERTER QUANTITY:	14	INVERTER QUANTITY:	13	INVERTER QUANTITY:	7
RACKING TYPE:	OMNITRACK SAT	RACKING TYPE:	OMNITRACK SAT	RACKING TYPE:	OMNITRACK SAT
SYSTEM SIZE (DC):	2,817 MW	SYSTEM SIZE (DC):	2,742 MW	SYSTEM SIZE (DC):	1,483 MW
SYSTEM SIZE (AC):	2.00 MW	SYSTEM SIZE (AC):	1.95 MW	SYSTEM SIZE (AC):	1.05 MW
DC/AC RATIO:	1.409	DC/AC RATIO:	1.406	DC/AC RATIO:	1.412
ROW SPACING (FRONT TO BACK):	9.14 FT	ROW SPACING (FRONT TO BACK):	9.14 FT	ROW SPACING (FRONT TO BACK):	9.14 FT
ROW PITCH (FRONT TO FRONT):	16.61 FT	ROW PITCH (FRONT TO FRONT):	16.61 FT	ROW PITCH (FRONT TO FRONT):	16.61 FT
ARRAY AZIMUTH:	180°	ARRAY AZIMUTH:	180°	ARRAY AZIMUTH:	180°

**ARM Group LLC**  
Engineers and Scientists  
www.armgroup.net

**PROPOSED SITE CONDITIONS PLAN**  
2200 PATAPSCO RD, FINKSBURG, MD 21117

Sheet 0400-STE

Scale: 1" = 100'  
Date: 04/27/2026  
Drawing No: 25011162

ARM BCC CLE  
Scale in Feet: 0 100 200 300

PROPOSED CARROLL RICCI SOLAR 1, LLC  
PROPOSED CARROLL RICCI SOLAR 2, LLC  
PROPOSED CARROLL RICCI SOLAR 3, LLC

FINKSBURG  
CARROLL COUNTY, MARYLAND

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