SITE INFO:
Parcel ID: 035-03-0-2C & 035-03-0-2C2
Property Owner: Richard W. Harris
Property Zoning: R1: Residential - Low Density

P(ac max): 4.0 MWac
P(dc): 4.79 MWdc
Racking Technology: Fix-Tilt
Module Tilt: 22°
Solar Module Orientation: South (Az. 180°)
Solar Module Height: ~9 ft
Parcel Area: 32.48 Acres
Usable Area: 15 Acres

This site plan is preliminary and NOT FOR CONSTRUCTION, awaiting surveys as well as zoning. Layout is based on GIS data and is subject to final survey.

SITE AREA TABULATION

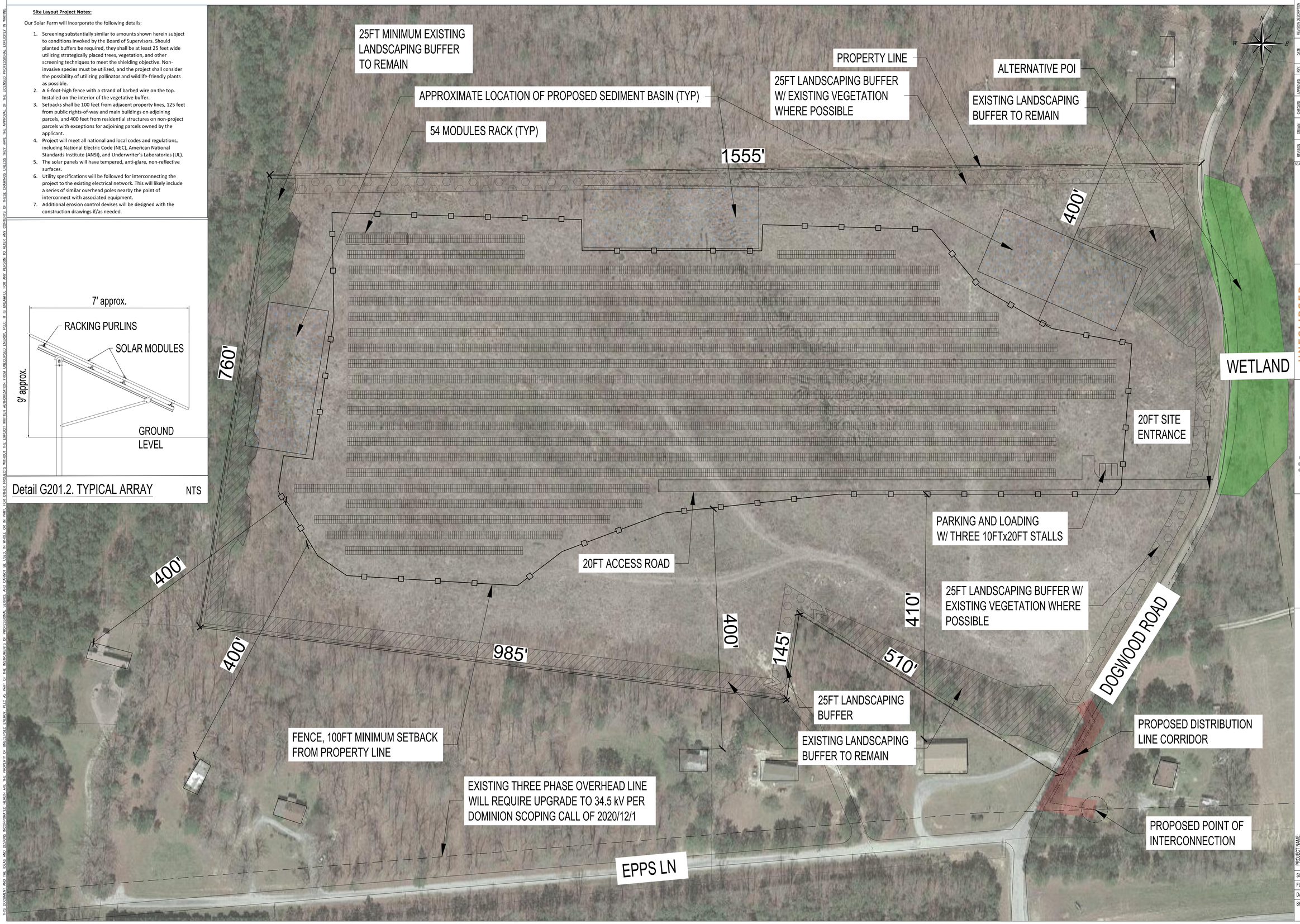
Total Parcel Area:	1,360,677 Sq. ft.	
Buildings:	0 Sq. ft.	0 % of Site Area
Impervious Area:	19,811 Sq. ft.	1.5 % of Site Area
Open Area:	74,7342 Sq. ft.	55 % of Site Area

Site Layout Project Notes:

Our Solar Farm will incorporate the following details:

1. Screening substantially similar to amounts shown herein subject to conditions invoked by the Board of Supervisors. Should planted buffers be required, they shall be at least 25 feet wide utilizing strategically placed trees, vegetation, and other screening techniques to meet the shielding objective. Non-invasive species must be utilized, and the project shall consider the possibility of utilizing pollinator and wildlife-friendly plants as possible.
2. A 6-foot-high fence with a strand of barbed wire on the top. Installed on the interior of the vegetative buffer.
3. Setbacks shall be 100 feet from adjacent property lines, 125 feet from public rights-of-way and main buildings on adjoining parcels, and 400 feet from residential structures on non-project parcels with exceptions for adjoining parcels owned by the applicant.
4. Project will meet all national and local codes and regulations, including National Electric Code (NEC), American National Standards Institute (ANSI), and Underwriter's Laboratories (UL).
5. The solar panels will have tempered, anti-glare, non-reflective surfaces.
6. Utility specifications will be followed for interconnecting the project to the existing electrical network. This will likely include a series of similar overhead poles nearby the point of interconnect with associated equipment.
7. Additional erosion control devises will be designed with the construction drawings if/as needed.

Detail G201.2. TYPICAL ARRAY NTS



REV.	DATE	REVISION DESCRIPTION	DRW	CHK	APP
01	2020-09-08	SITE DEVELOPMENT	A	DC	DC
02	2020-09-29	IA	A	DC	DC
03	2020-12-01	UPDATE TO 12 kV INTERCONNECTION	DC	A	DC
04	2021-06-02	ORDINANCE REQUIREMENTS UPDATE	SM	A	DC
05	2021-06-27	DEVELOPMENT	SM	A	DC
06	2021-12-03	UPDATES TO TRACKING TECHNOLOGY, LANDSCAPE AND DRAINAGE	SM	A	DC

REVISION	DRAWN	CHECKED	APPROVED
06	SM	JL	DC

ENGINEER: DAVID KARLSSON CLICK, PE
VA LICENSE NO. 0402021415
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APEX CLEAN ENERGY, INC.
310 4th St. NE, Ste 300
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(434) 282-2109

PROJECT NAME: Dogwood Lane Solar Farm
ADDRESS: Dogwood Rd, Kenbridge, Lunenburg County VA 23944
COORDINATES: 36.967540, -78.155617
SHEET TITLE: SITE PLAN

SCALE	50':1"
FULL SHEET	36" x 48"
DATE	2021-12-07
SHEET No.	G201

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