

WOODRIDGE SOLAR

SP 2022-014 AND SP 2022-015

SPECIAL USE PERMIT FOR SOLAR ENERGY SYSTEM AND ENERGY COMMUNICATIONS TRANSMISSION FACILITIES (SUBSTATION)

ALBEMARLE COUNTY, VIRGINIA

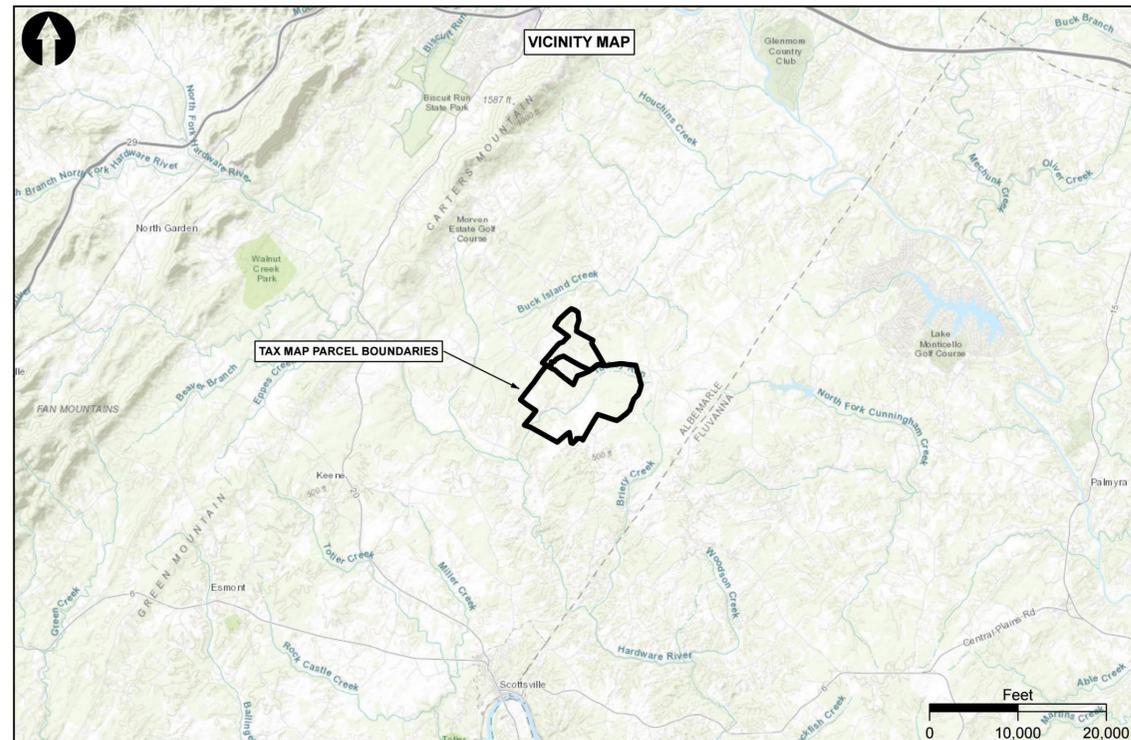


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C10.0	CONCEPTUAL PLAN OVERLAID ON STANTEC CULTURAL RESOURCE PROBABILITY AREAS



HEXAGON ENERGY

DEVELOPER

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Charlottesville, VA 22920
EMAIL: info@hexagon-energy.com



TIMMONS GROUP

ENGINEER

1001 Boulders Parkway, Suite 300
Richmond, VA 23225
TEL: 804.200.6538

CONCEPTUAL PLANS PREPARED BY TIMMONS GROUP

REVISED SEPTEMBER 12, 2022



PROJECT NAME & LOCATION
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

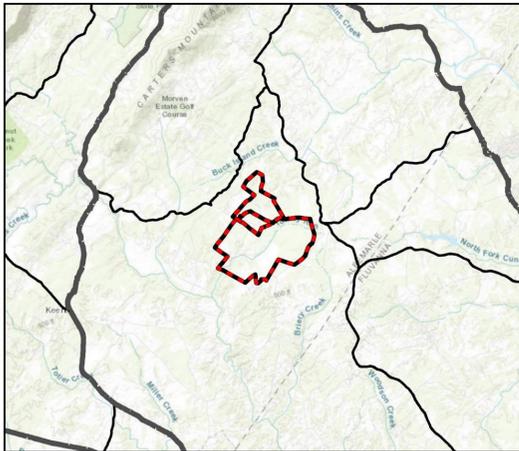
DATE: 09/07/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY / DRAWN BY: L. WHEELER

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REVISIONS	
#	DESCRIPTION
1	09/12/22 Revised per County comments

DRAWING DESCRIPTION
COVER SHEET

PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER
C1.0



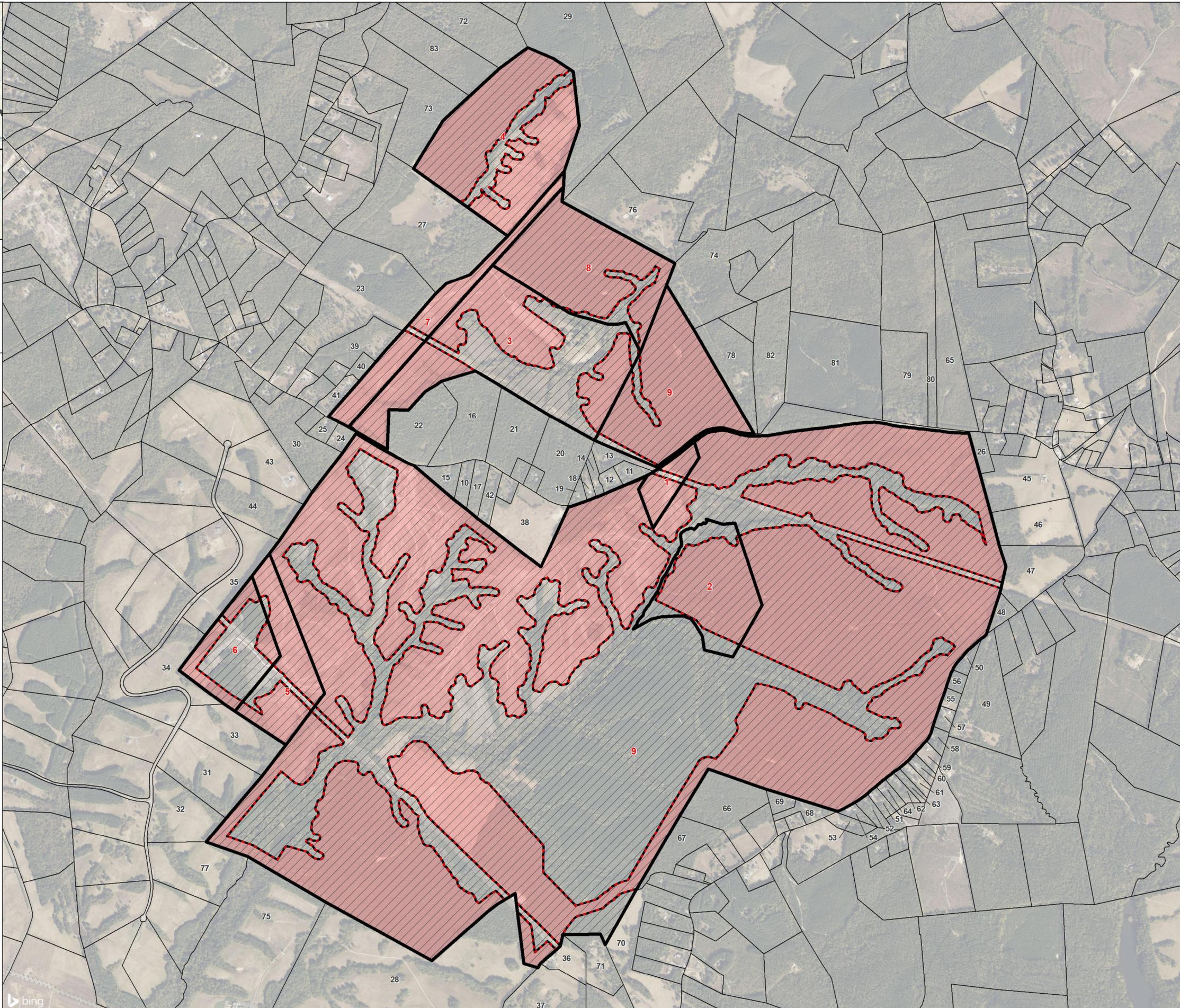
Legend

- Tax Map Parcel Boundaries - 2,259.5 Acres
- Special Use Permit Area - 1,515 Acres
- Project Parcels
- Albemarle Tax Parcels

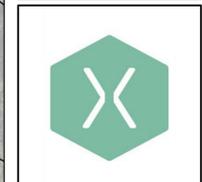
Project Parcel Information				
Map Identifier	Parcel PIN	Parcel Acreage (Albemarle Tax Map)	Parcel Acreage (GIS)	Acreage in Special Use Permit Area
1	114-56	14.8	13.1	12.0
2	115-10	48.5	59.3	44.5
3	114-58	143.6	143.6	81.9
4	114-51	113	114.5	97.5
5	114-69	42	44.4	37.9
6	114-68	42	42.5	16.4
7	114-65	35.5	35.1	34.2
8	114-55	89	88.6	78.1
9	114-70	1,728.00	1,720.2	1,097.2

Note: Metes and bounds survey to confirm actual acreages at Site Plan stage.

Adjacent Parcel Information	
Map Identifier	Parcel Identifier
10	114-57B1
11	114-57A5
12	114-57A4
13	114-57A6
14	114-57A3
15	114-57B
16	114-57C
17	114-57E2
18	114-57A2
19	114-57A1
20	114-57E
21	114-57D
22	114-57
23	114-61C
24	114-65A5
25	114-65A4
26	115-29
27	114-59
28	114-67B
29	114-52
30	114-65A2
31	114-72Q
32	114-72R
33	114-72P
34	114-72N
35	114-72M
36	114-71
37	123-36
38	114-57B5
39	114-54A
40	114-63A
41	114-63
42	114-57B3
43	114-72K+
44	114-72L
45	115-29D
46	115-29E
47	115-29F
48	115-29G
49	115-16F
50	115-15C
51	115-15N
52	115-15P
53	115-13C
54	115-15Q
55	115-15E
56	115-15D
57	115-15F
58	115-15G
59	115-19H
60	115-19I
61	115-15J
62	115-15L
63	115-15K
64	115-15M
65	115-8A
66	115-11I
67	115-11H
68	115-12
69	115-12C
70	115-11G
71	123-39
72	103-23
73	114-50C
74	115-4A
75	114-67
76	114-54
77	114-72S
78	115-4
79	115-8
80	115-8B
81	115-9
82	115-4B
83	114-50B



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DESIGNED BY / DRAWN BY	L. WHEELER

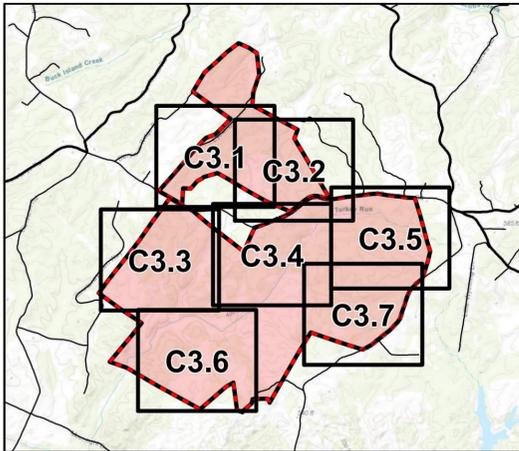
Property Limits are approximate. Aerial imagery from Microsoft Bing. Parcel information from Albemarle County GIS.

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PARCEL INFORMATION MAP

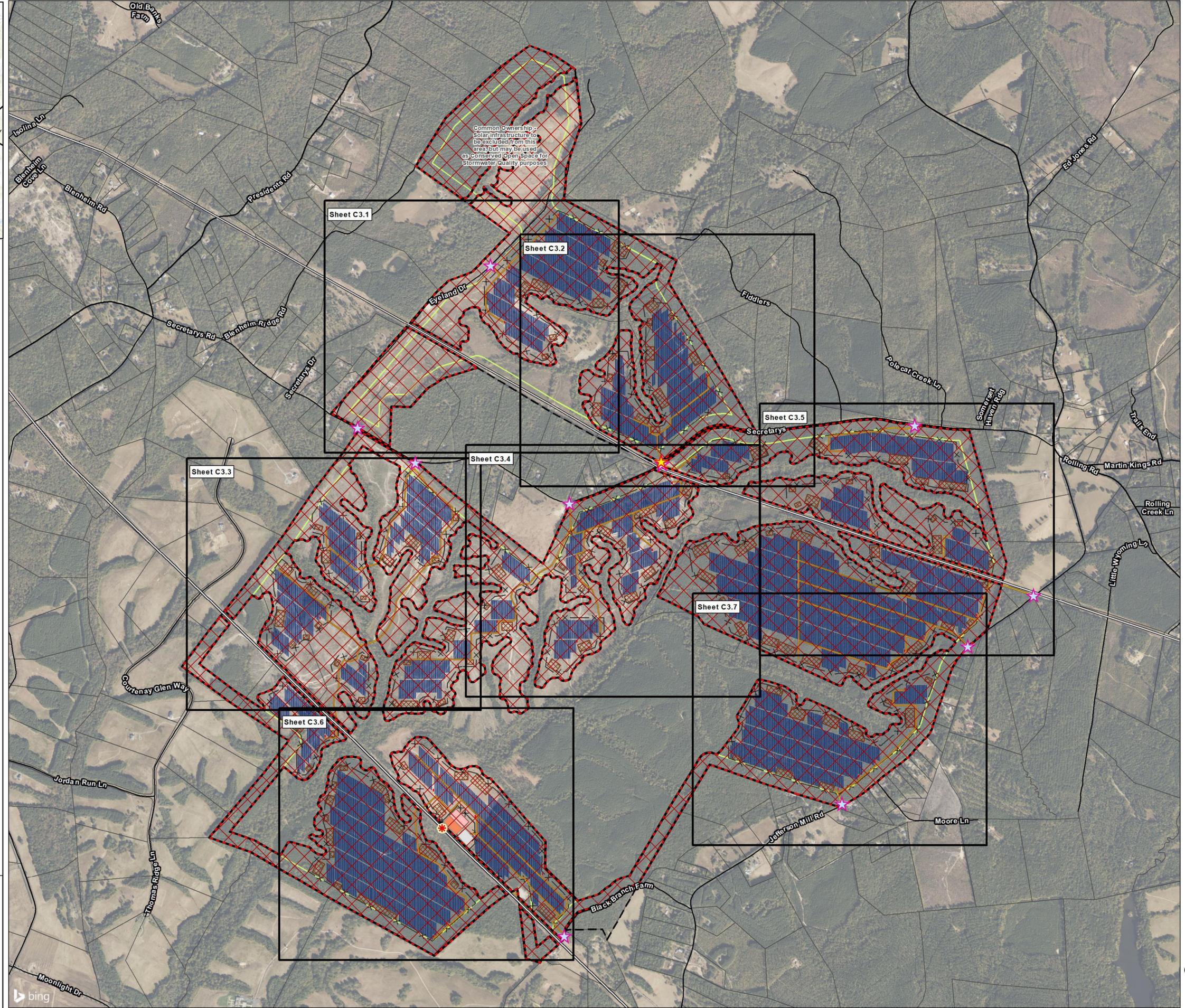
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 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 800' C2.0



Legend

- Special Use Permit Area - 1,515 Acres
- Tax Map Parcel Boundaries - 2,259.5 Acres
- 200' Property Line Setback (Established)
- Existing Potential Access Location
- Proposed Potential Access Location
- Proposed Features (Conceptual)**
- Point of Interconnection
- Fence
- Solar Arrays
- Inverters
- Proposed Internal Access Road
- Existing Internal Access Road - Will be upgraded as necessary
- Project Substation/Collection Yard
- Dominion Substation
- Parking Area
- Stormwater Basin
- Existing Features**
- Public Road
- Transmission Line
- Albemarle Tax Parcels

NOTES:
SEE SHEET C5.0



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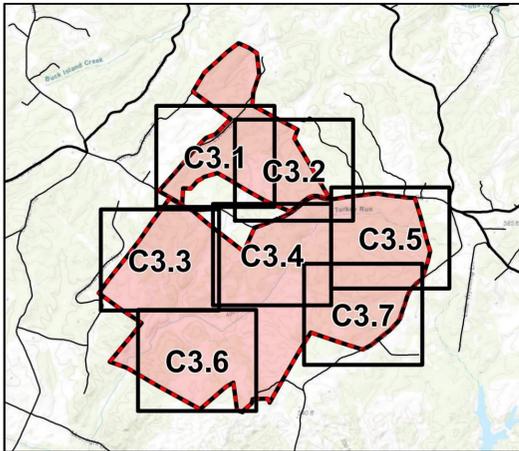
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#	MMDDYY	DESCRIPTION
1	051222	Revised per County comments

DRAWING DESCRIPTION
**CONCEPTUAL
PLAN**

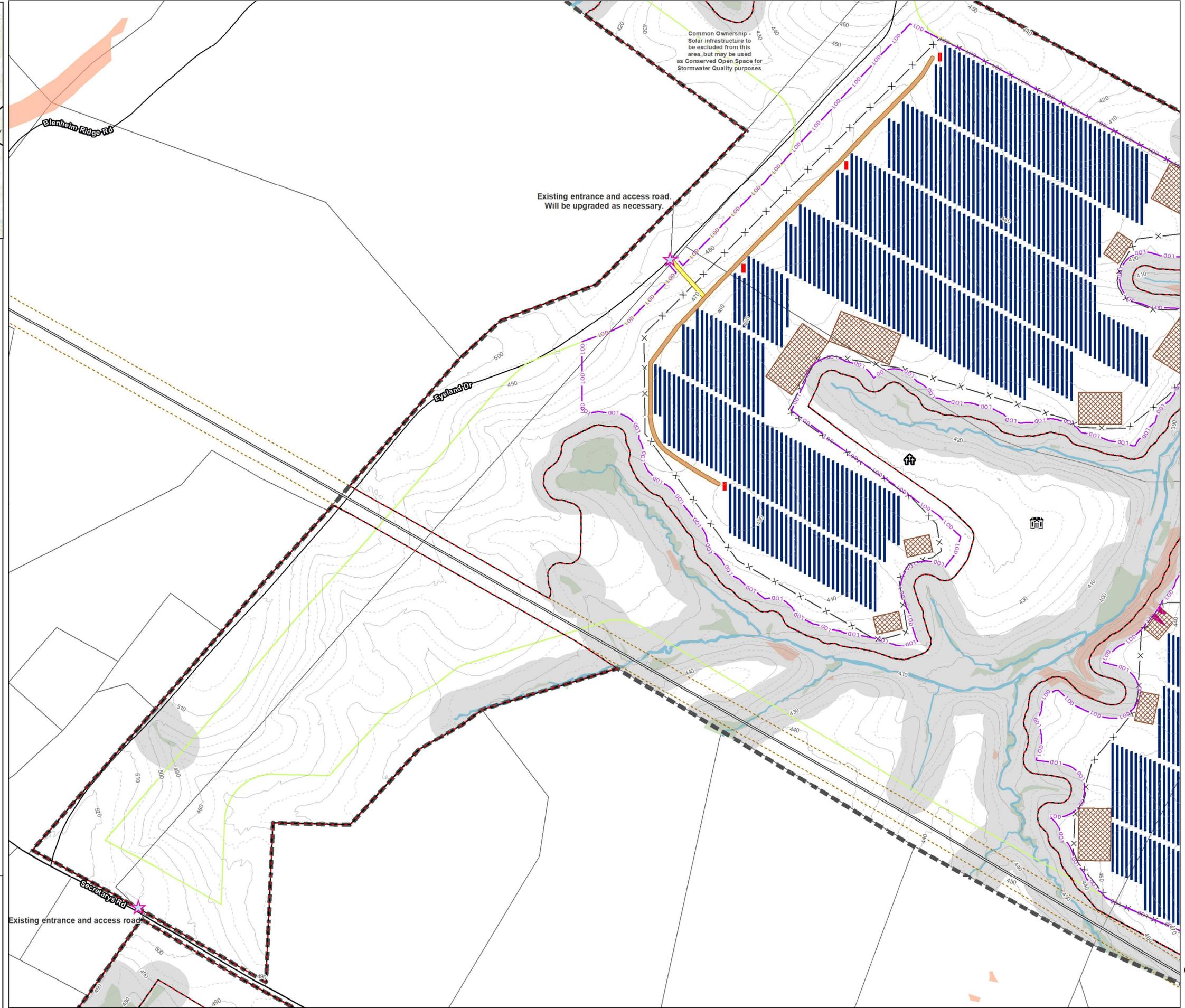
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SCALE SHEET NUMBER
H:1" = 800' C3.0



Legend

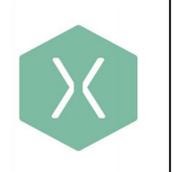
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- Limits of Disturbance
- Fence
- Solar Arrays
- Inverters
- Proposed Internal Access Road
- Existing Internal Access Road - Will be upgraded as necessary
- Stormwater Basin
- Existing Features**
- Architectural Resource Complex (Approximate)
- Cemetery (Approximate)
- 10' Contours
- 5' Contours
- Public Road
- Transmission Line
- Transmission Line Easement (Approximate)
- Delineated Wetland
- Delineated Stream & Open Water
- Water Protection Ordinance Buffer
- Albemarle Tax Parcels
- Steep Slopes Overlay**
- Critical Slopes
- Critical Slopes within the Limits of Disturbance - 8.55 Acres

NOTES:
SEE SHEET C5.0



Common Ownership - Solar infrastructure to be excluded from this area, but may be used as Conserved Open Space for Stormwater Quality purposes

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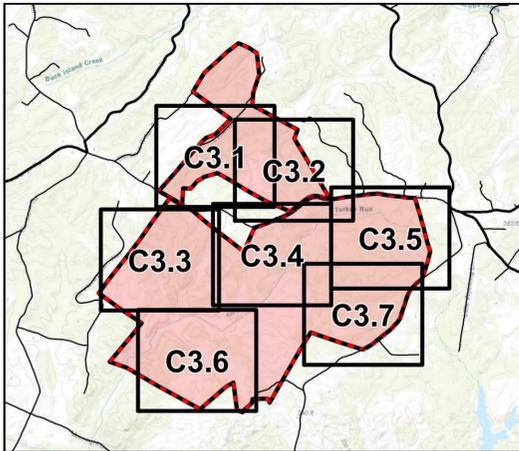
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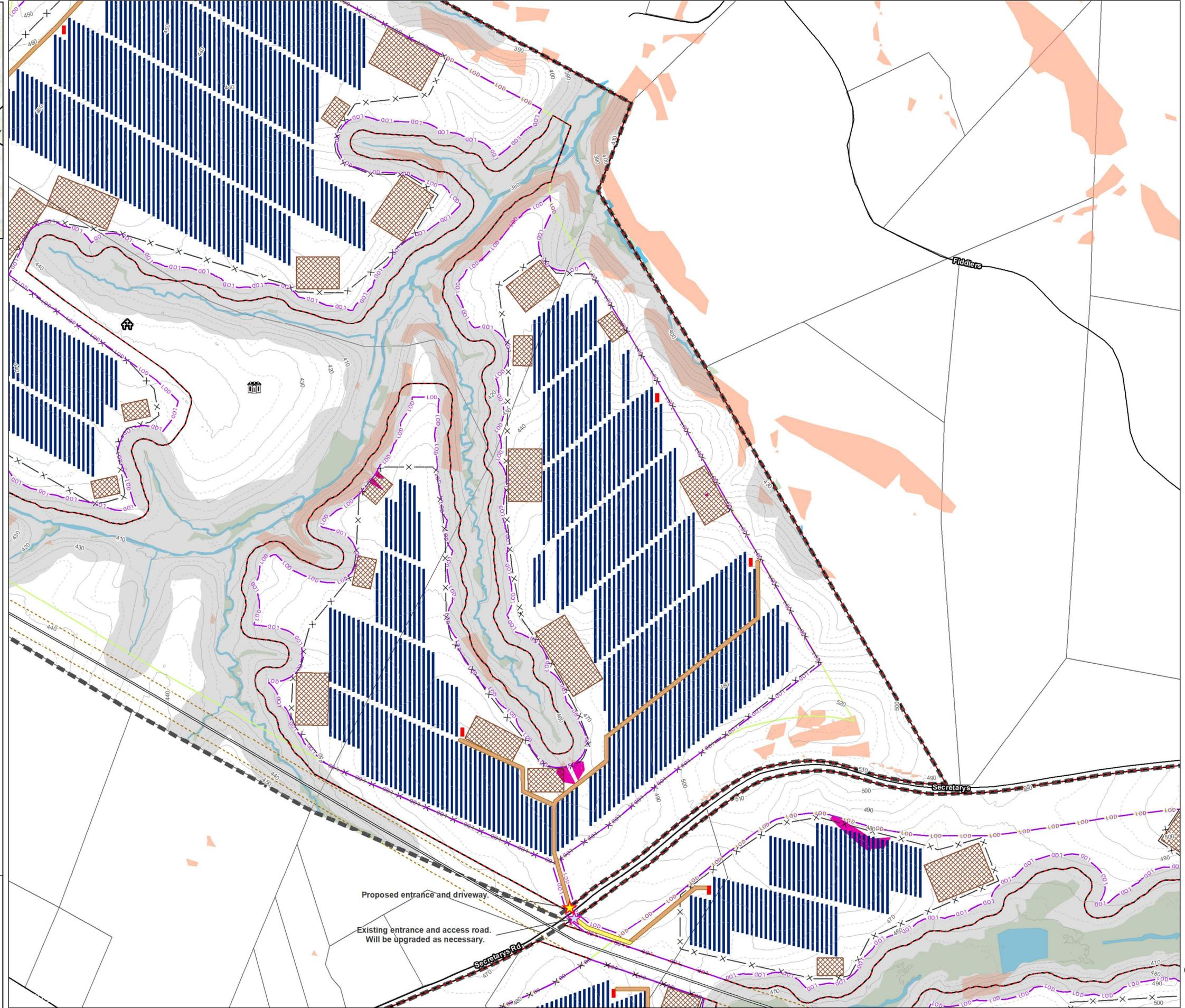
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Legend

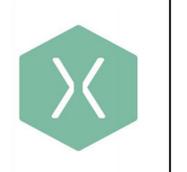
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Proposed entrance and driveway.
Existing entrance and access road.
Will be upgraded as necessary.

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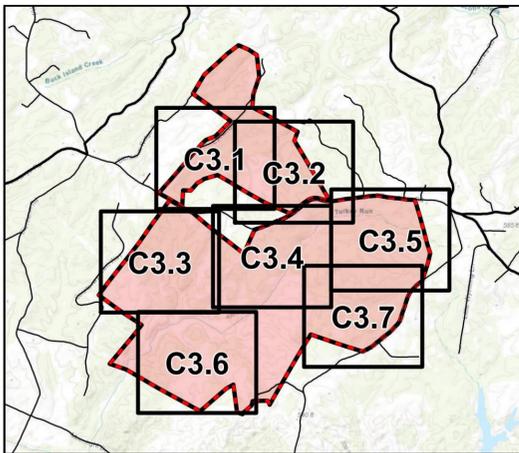
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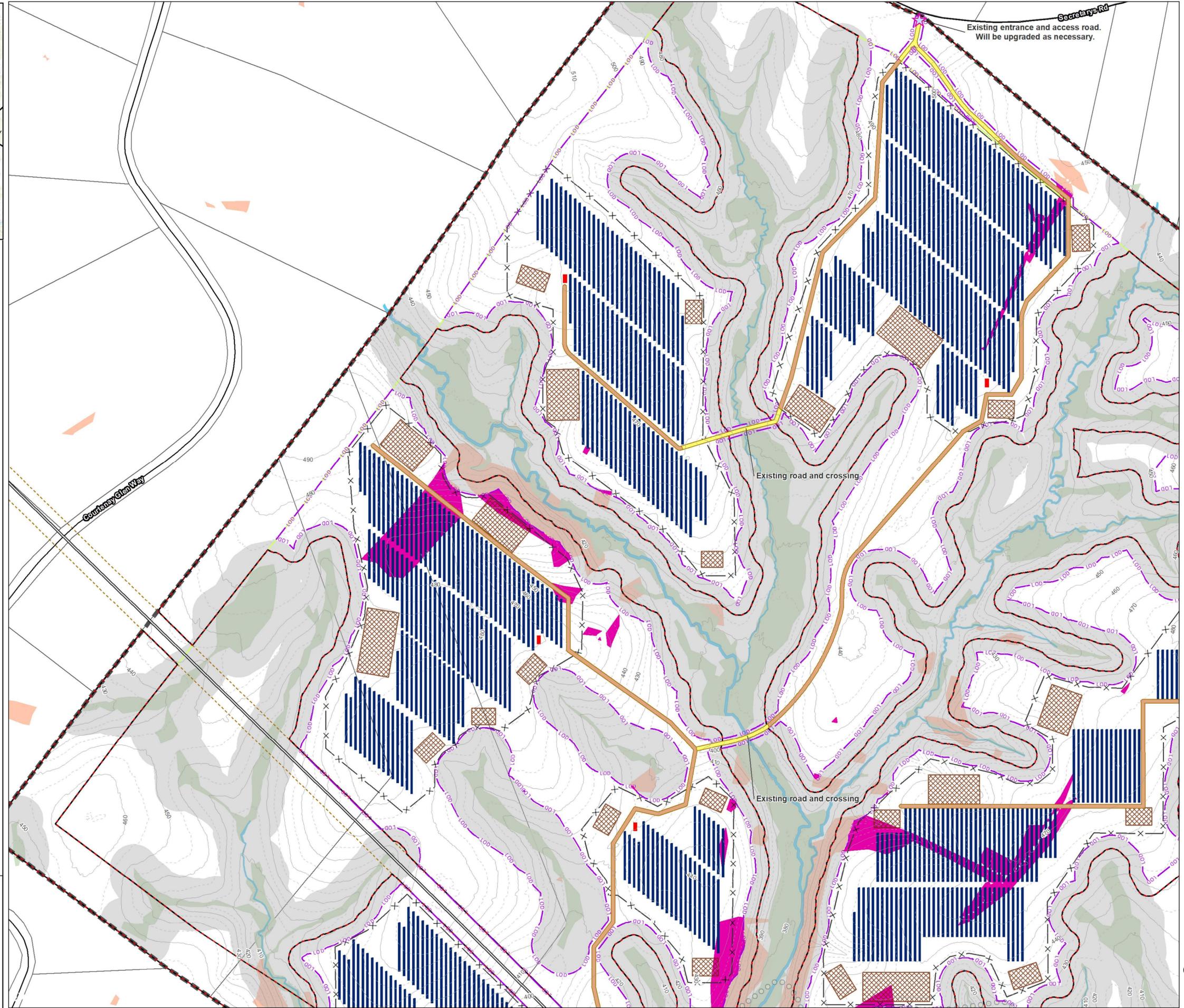
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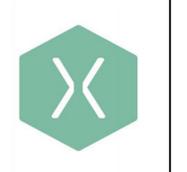
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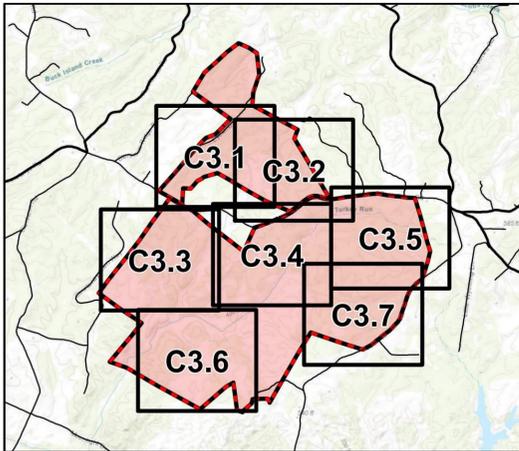
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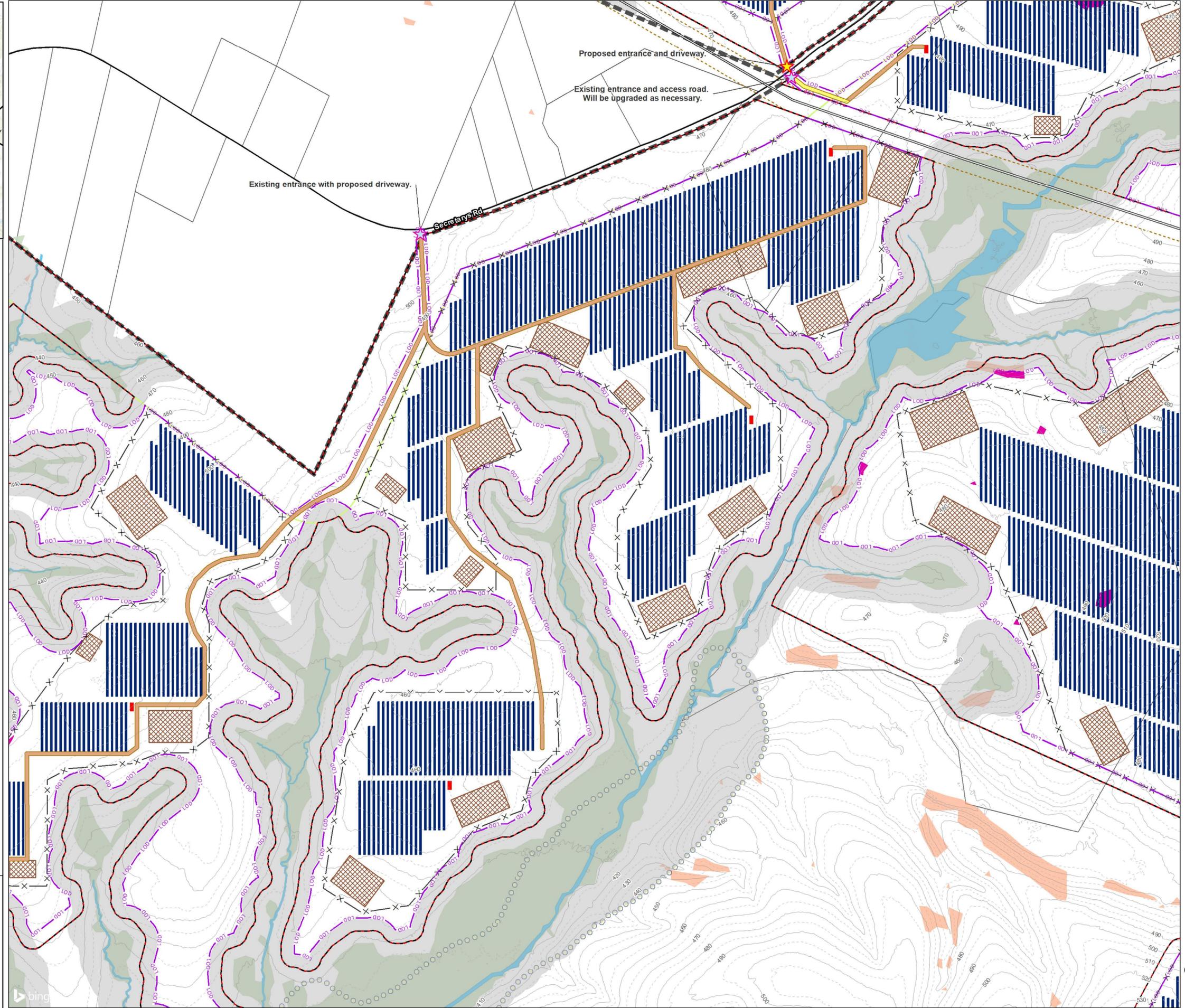
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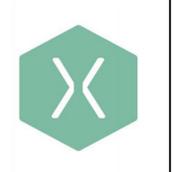
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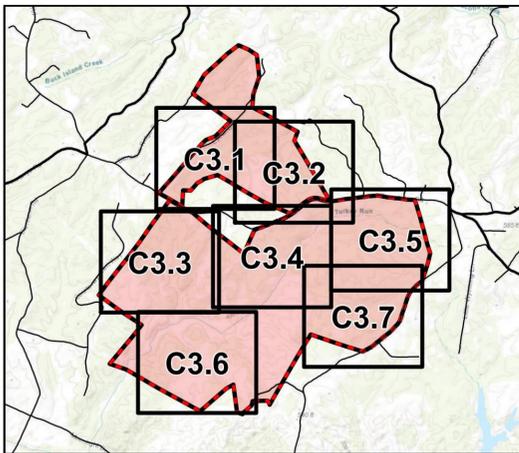
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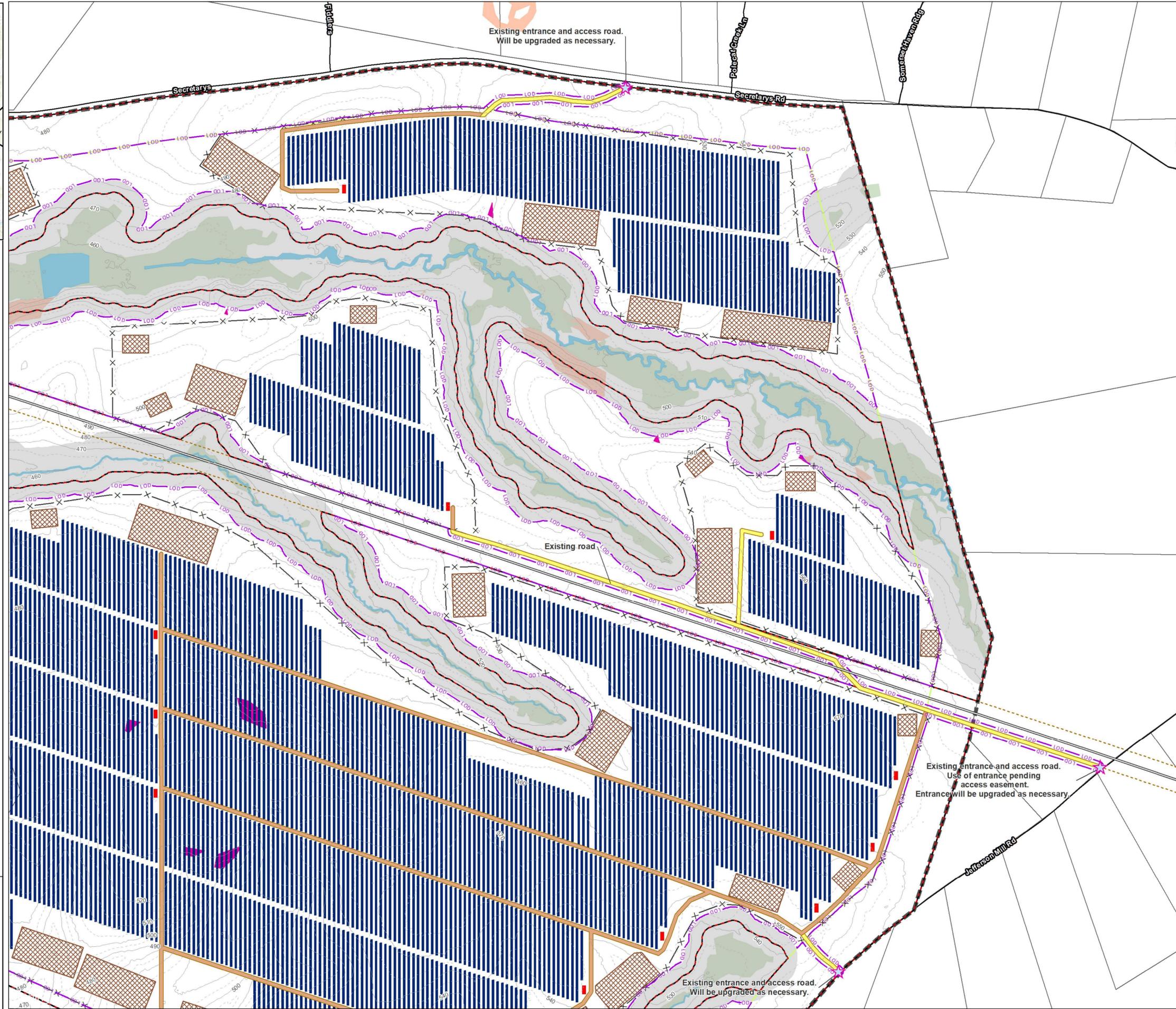
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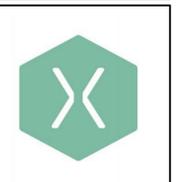
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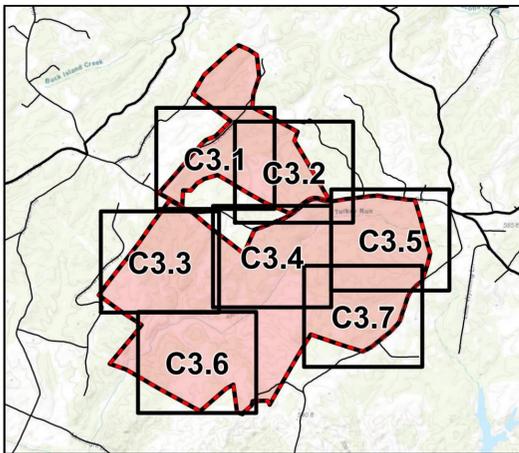
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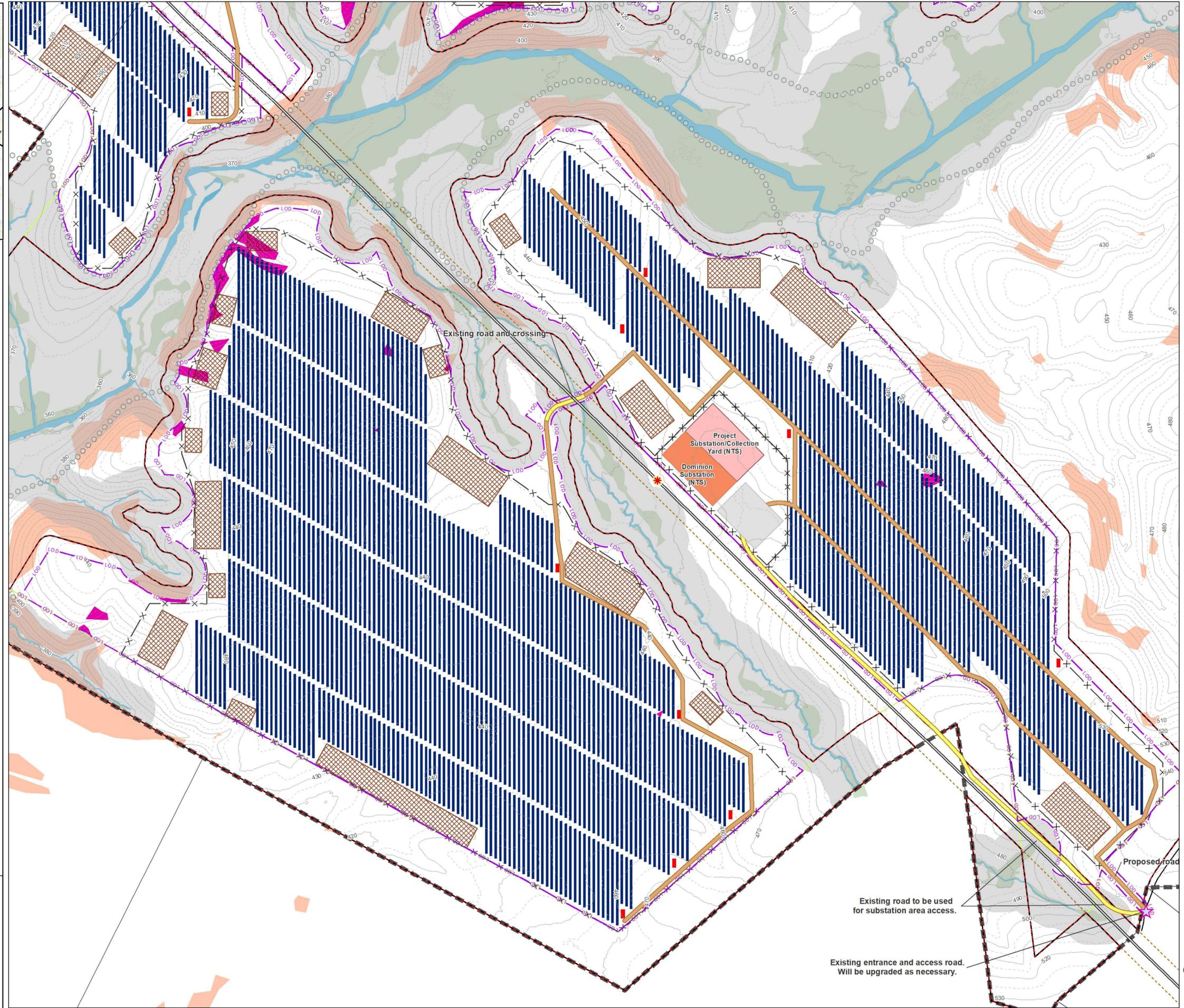
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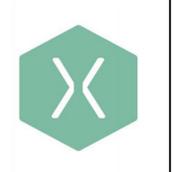
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Existing road to be used for substation area access.

Existing entrance and access road. Will be upgraded as necessary.

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PROJECT NAME & LOCATION
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

DATE: 05/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: L. WHEELER

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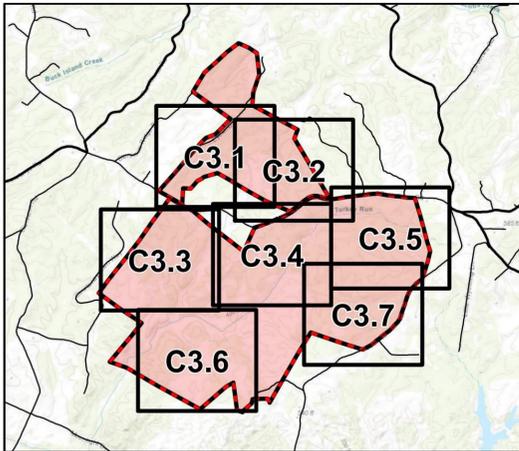
REVISIONS	
#	DESCRIPTION
1	06/12/22 Revised per County comments.

DRAWING DESCRIPTION
CONCEPTUAL PLAN

SCALE (FEET)

0 200 400
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER

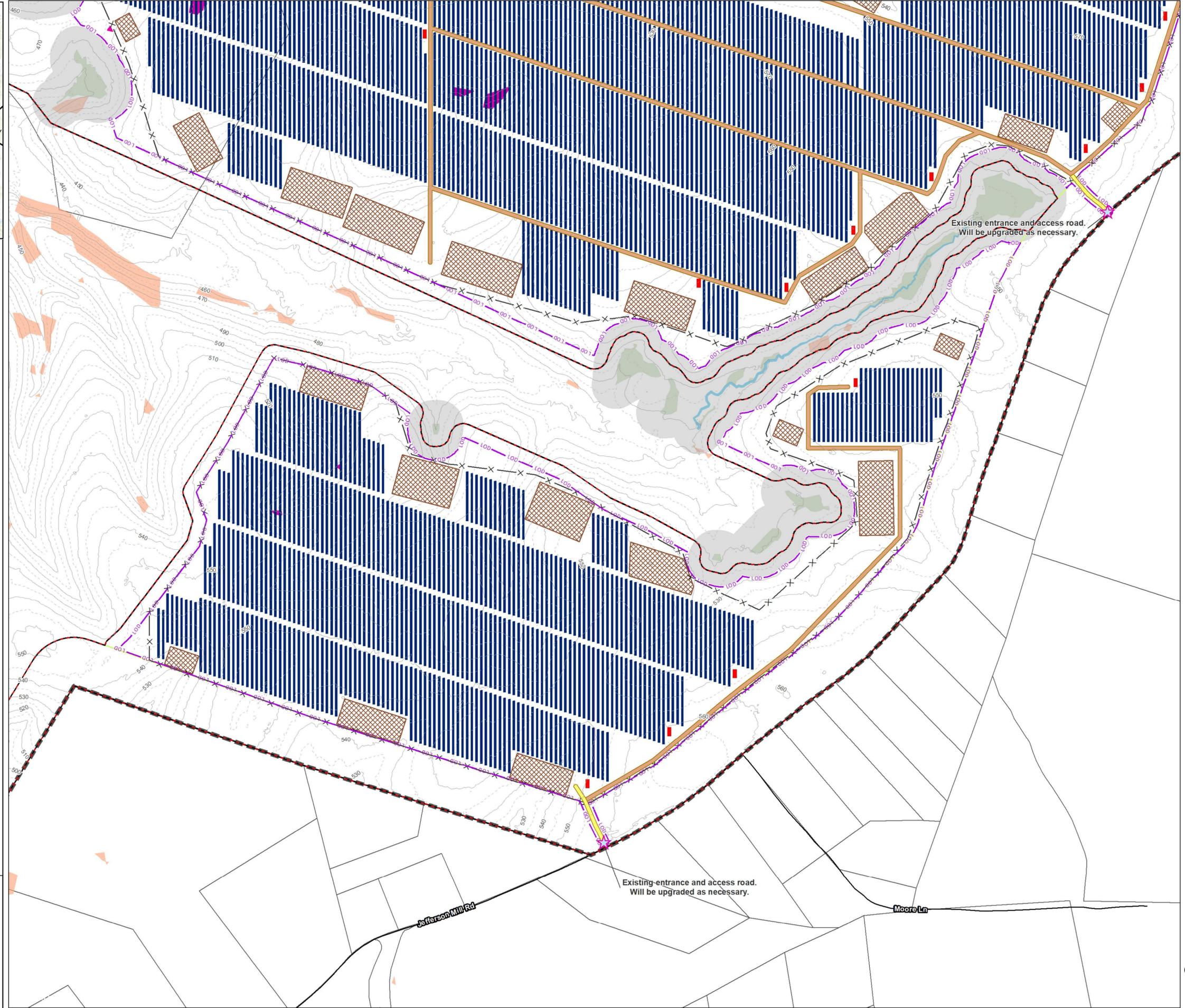
H:1" = 200' C3.6



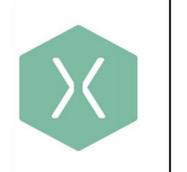
Legend

- Special Use Permit Area - 1,515 Acres
- Tax Map Parcel Boundaries - 2,259.5 Acres
- 200' Property Line Setback (Established)
- ★ Existing Potential Access Location
- Proposed Features (Conceptual)**
- Limits of Disturbance
- Fence
- Solar Arrays
- Inverters
- Proposed Internal Access Road
- Existing Internal Access Road - Will be upgraded as necessary
- Stormwater Basin
- Existing Features**
- 10' Contours
- 5' Contours
- Public Road
- Delineated Wetland
- Delineated Stream & Open Water
- Water Protection Ordinance Buffer
- Albemarle Tax Parcels
- Steep Slopes Overlay**
- Critical Slopes
- Critical Slopes within the Limits of Disturbance - 8.55 Acres

NOTES:
SEE SHEET C5.0



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PROJECT NAME & LOCATION
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

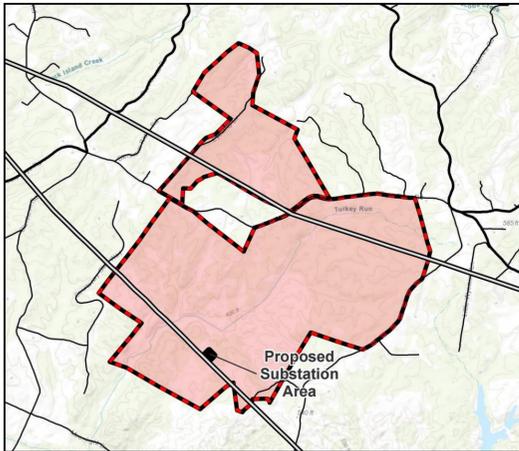
DATE: 05/16/2022
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1	06/12/22 Revised per County comments

DRAWING DESCRIPTION
**CONCEPTUAL
PLAN**

SCALE (FEET)
0 200 400
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER
H:1" = 200' C3.7

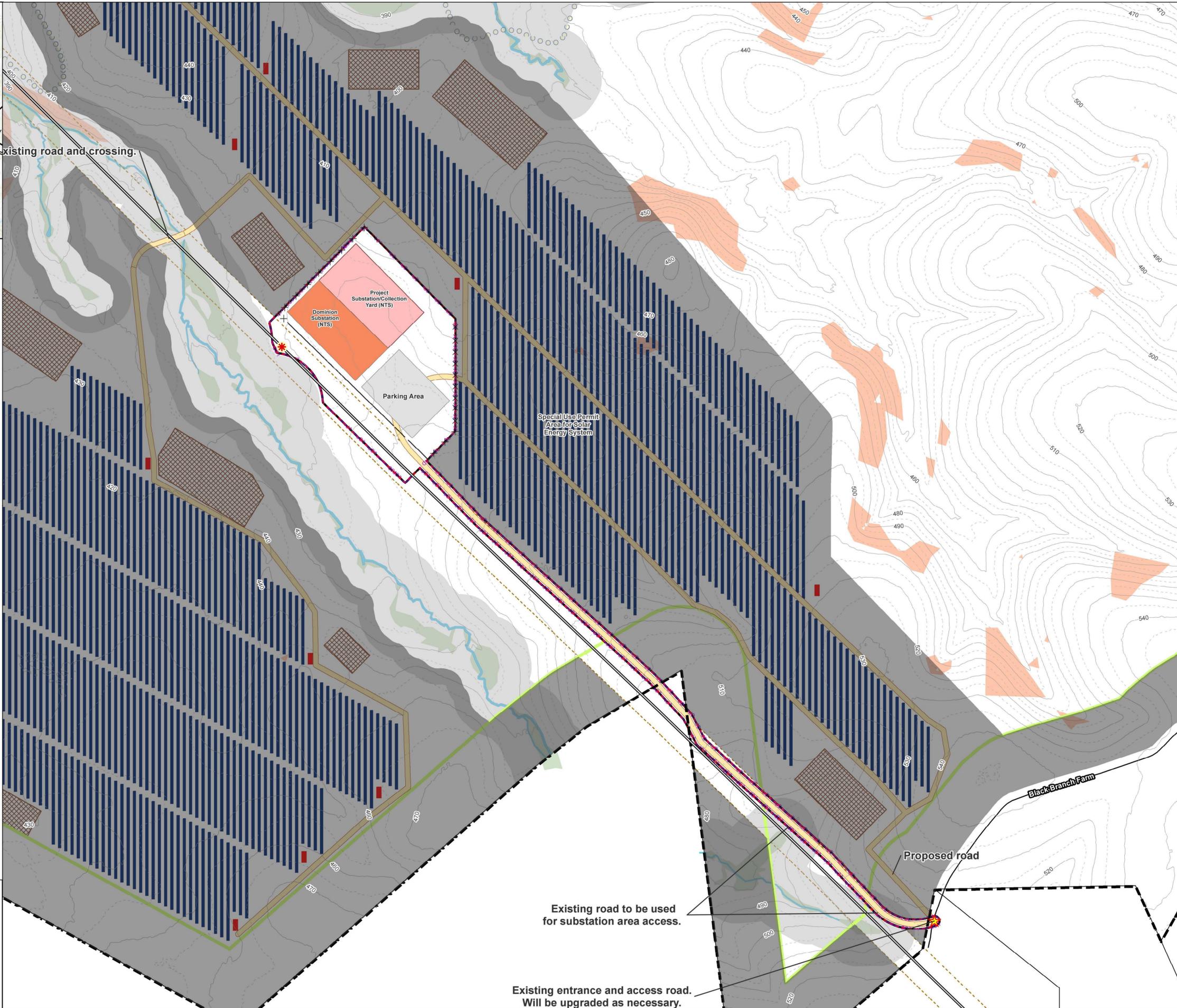


Legend

- Special Use Permit Area - 7.6 Acres
 - Tax Map Parcel Boundaries - 2,259.5 Acres
 - 200' Property Setbacks
 - Special Use Permit Area for Solar Energy System
- Proposed Features (Conceptual)**
- Project Substation/Collection Yard
 - Dominion Substation
 - Limits of Disturbance - 7.6 Acres
 - ★ Potential Access Location
 - ✱ Point of Interconnection
 - Solar Arrays
 - Inverters
 - Parking Area
 - Stormwater Basin
 - Fence
 - Gravel Internal Access Road - See Detail on Sheet C5.0

- Existing Features**
- 10' Contours
 - 5' Contours
 - Transmission Line
 - Transmission Line Easement (Approximate)
 - Delineated Wetland
 - Delineated Stream & Open Water
 - Water Protection Ordinance Buffer
 - Floodplain
 - Albemarle Tax Parcels
 - Steep Slopes Overlay
 - Critical Slopes

NOTES:
SEE SHEETS C5.0



Existing road to be used for substation area access.

Existing entrance and access road. Will be upgraded as necessary.

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DESIGNED BY / DRAWN BY: L. WHEELER

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1	061222	Revised per County comments.

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#	MMDDYY	DESCRIPTION

DRAWING DESCRIPTION
SUBSTATION AREA CONCEPTUAL PLAN

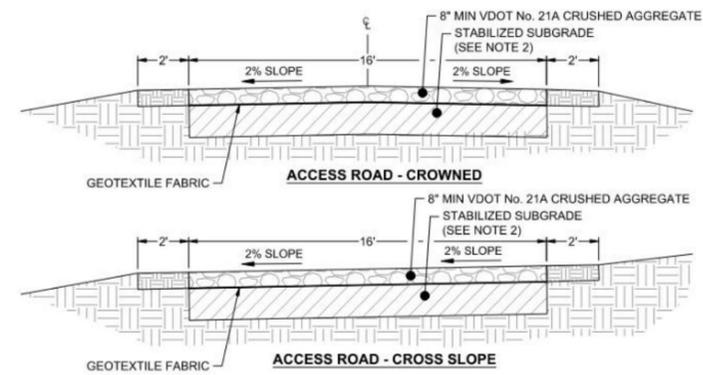
SCALE (FEET)
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PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER
H:1" = 150' C4.0

CONCEPTUAL PLAN NOTES

1. PROPERTY LIMITS ARE APPROXIMATE FROM ALBEMARLE COUNTY GIS.
2. LAYOUT IS CONCEPTUAL AND SUBJECT TO CHANGE. NOT FOR CONSTRUCTION.
3. STREAMS, WETLANDS, AND OPEN WATER FEATURES HAVE BEEN FIELD DELINEATED BY WILD GINGER FIELD SERVICES AND VERIFIED BY THE USACE.
4. PERIMETER FENCING WILL BE SIX FEET IN HEIGHT. THERE WILL BE A SIX-INCH GAP BETWEEN THE FENCE AND GROUND TO ALLOW FOR WILDLIFE PASSAGE.
5. PER 17-600, THE WATER PROTECTION ORDINANCE BUFFER EXTENDS 100 FEET ON EACH SIDE OF ANY PERENNIAL OR INTERMITTENT STREAM AND CONTIGUOUS NONTIDAL WETLANDS, MEASURED HORIZONTALLY FROM THE EDGE OF THE CONTIGUOUS NONTIDAL WETLANDS, OR FROM THE TOP OF THE STREAM BANK IF NO WETLANDS EXIST; OR THE LIMITS OF THE FLOOD PLAIN, WHICHEVER IS GREATER.
6. ACCESS ROADS, ELECTRICAL AND STORMWATER INFRASTRUCTURE SUCH AS ARE NECESSARY FOR JOINING SUBARRAYS AND HANDLING STORMWATER WILL BE DESIGNED TO AVOID AND MINIMIZE ENCROACHMENTS TO STREAMS, STREAM BUFFERS, WETLANDS AND FLOODPLAINS TO THE GREATEST EXTENT PRACTICABLE. WHERE UNAVOIDABLE, APPROPRIATE COUNTY, STATE AND FEDERAL AUTHORIZATIONS WILL BE OBTAINED.
7. ENTRANCE LOCATIONS AND INTERNAL DRIVEWAYS SHOWN ARE PRELIMINARY AND SUBJECT TO CHANGE. ANY NOTABLE CHANGES WILL BE SUBJECT TO COUNTY APPROVAL BEFORE CONSTRUCTION BEGINS.
8. EACH ENTRANCE LOCATION WILL HAVE A KNOX BOX THAT COUNTY EMERGENCY SERVICES WILL BE ABLE TO ACCESS.
9. ALL PROPOSED SITE ENTRANCES WILL REQUIRE A VDOT LAND USE PERMIT FOR LOW VOLUME COMMERCIAL SITE ENTRANCES. PROPOSED ENTRANCES WILL BE DESIGNED IN COMPLIANCE WITH VDOT STANDARDS AND REVIEWED BY VDOT PRIOR TO ISSUANCE OF THE LAND USE PERMIT. SPECIFIC TRAFFIC MANAGEMENT, SAFETY MEASURES INCLUDING SIGNAGE, FLAGGING, MAINTENANCE OF TRAFFIC AND OTHER MEASURES WILL BE INCORPORATED INTO THE FINAL DESIGN AND SPECIFICATIONS FOR THE PROJECT.
10. PARKING AREAS ARE NOT PROPOSED EXCEPT IN THE SUBSTATION AREA.
11. APPROXIMATE CEMETERY LOCATION IDENTIFIED BY STANTEC CONSULTING SERVICES.
12. FLOODPLAIN DATA FROM FEMA'S NATIONAL FLOOD HAZARD LAYER.
13. STEEP SLOPES DATA FROM ALBEMARLE COUNTY GIS.
14. CONTOURS MADE FROM DEM DATA SOURCED FROM USGS.
15. AERIAL IMAGERY FROM 2021 MICROSOFT BING.

SUBSTATION NOTES

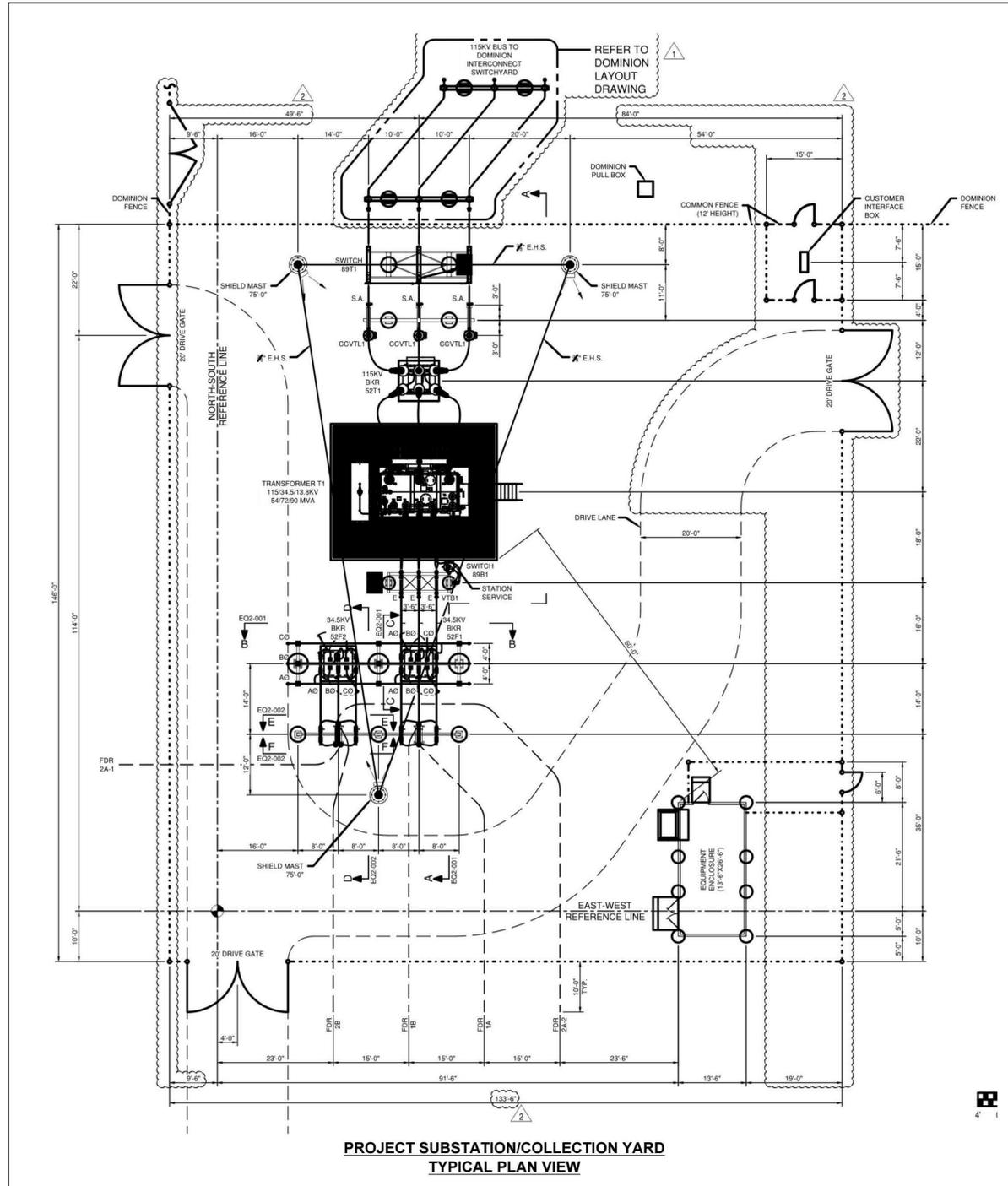
1. MAJOR COMPONENTS ARE SIMILAR TO OTHER EXISTING SUBSTATION IN THE REGION AND INCLUDE:
 - MAIN POWER TRANSFORMER
 - COLLECTION LINE FEEDERS AND BREAKERS
 - UNDERGROUND TRANSMISSION LINE RISER
 - HIGH VOLTAGE BREAKER
 - METERING/RELAYING TRANSFORMERS
 - DISCONNECT SWITCHES
 - EQUIPMENT ENCLOSURE
 - LIGHTNING MAST (TALLEST STRUCTURE AT ~50-65 FEET)
2. ESTIMATED BUILDING COMPONENT HEIGHTS RANGE FROM 10-15' HEIGHTS PER TYPICAL SUB-STATION DESIGN, WITH THE EXCEPTION OF THE PROPOSED LIGHTNING PROTECTION MAST AT 50-60'
3. THE PROJECT SUBSTATION/COLLECTION YARD WILL BE NO MORE THAN 350 LF BY 350 LF.



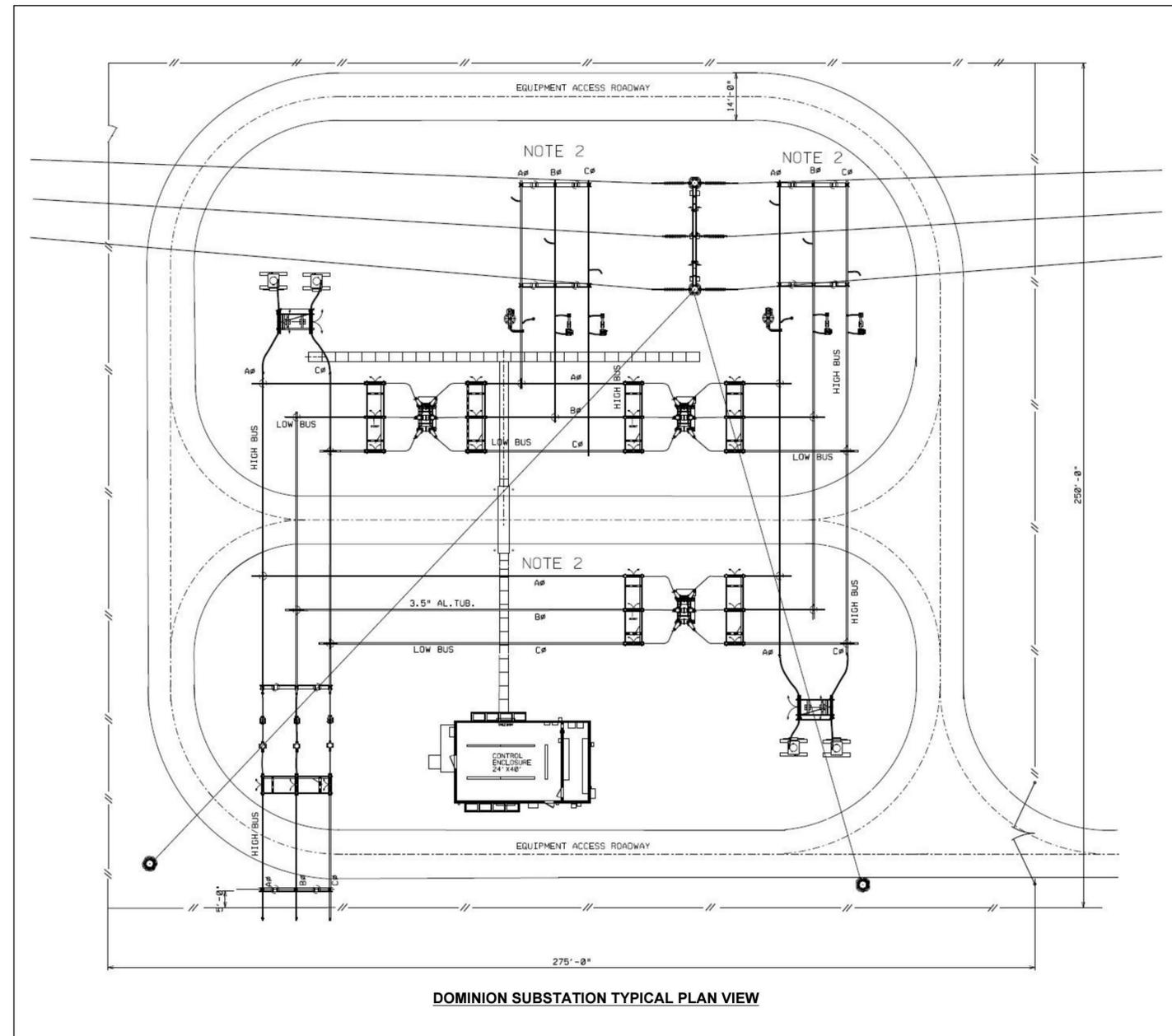
NOTES:

1. GEOTEXTILE FABRIC SHALL BE MIRIFI HP370 OR SIMILAR.
2. SUBGRADE MATERIALS SHALL CONFORM TO VDOT "ROAD AND BRIDGE SPECIFICATIONS". SUBGRADE SHALL BE PLACED IN 12" MAXIMUM LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. SOIL MOISTURE CONTENT DURING COMPACTION SHALL BE MAINTAINED WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT.
3. SHOULDERS SHALL BE COMPACTED NATIVE SOIL.

ACCESS ROAD TYPICAL SECTION
NTS



PROJECT SUBSTATION/COLLECTION YARD
TYPICAL PLAN VIEW



DOMINION SUBSTATION TYPICAL PLAN VIEW



PROJECT NAME & LOCATION

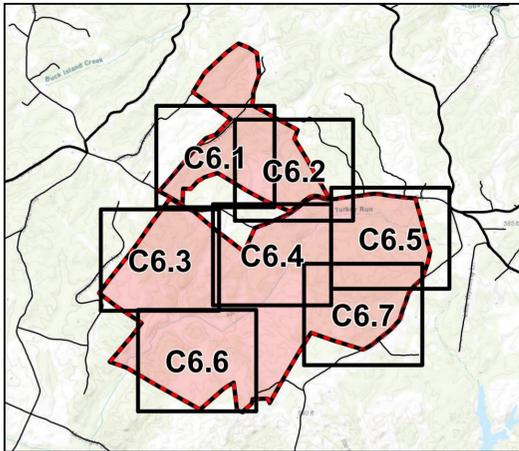
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

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DESIGNED BY / DRAWN BY	L. WHEELER

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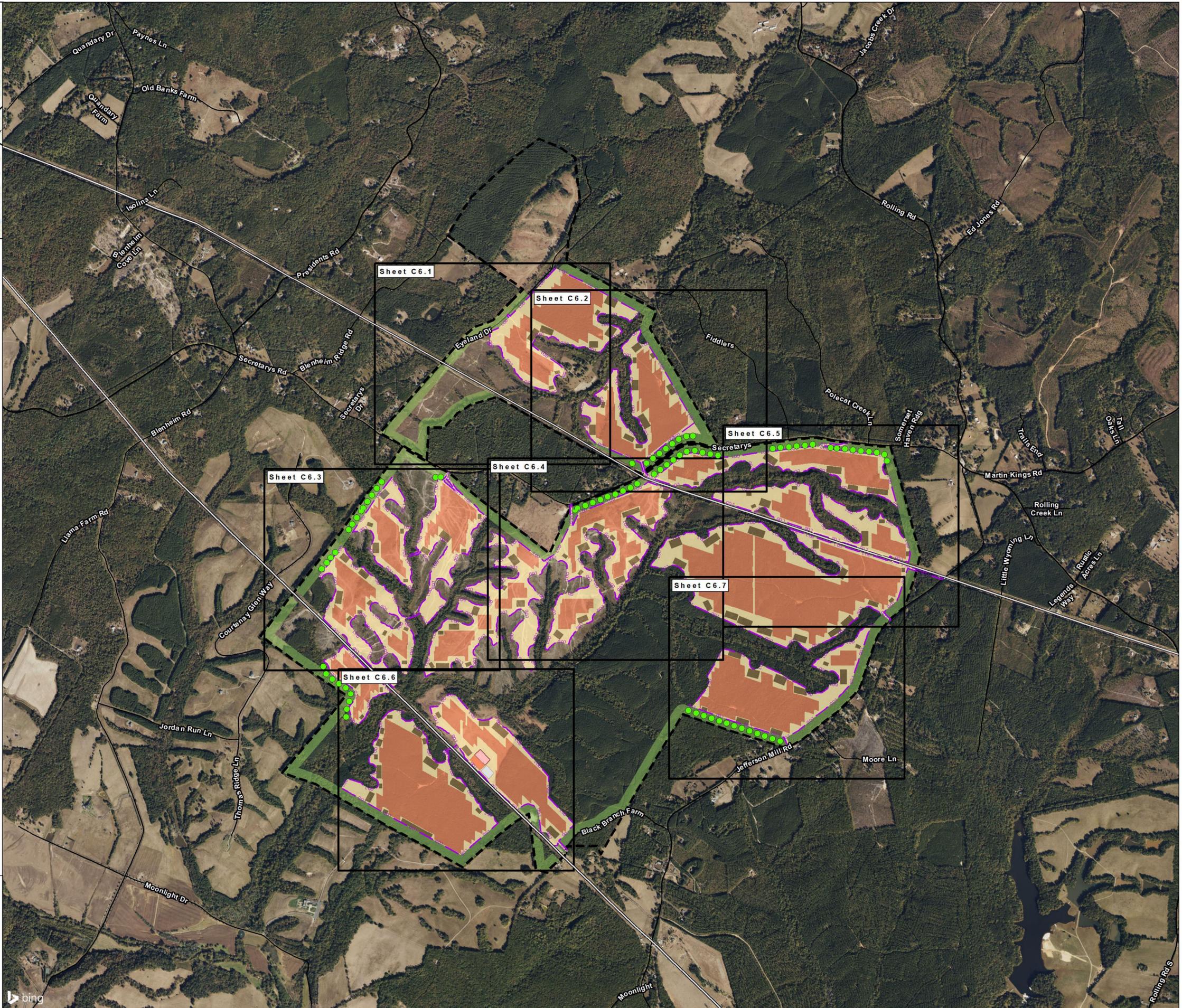
DRAWING DESCRIPTION
CONCEPTUAL
PLAN NOTES
AND DETAILS



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
- Existing Transmission Line
- Project Substation/Collection Yard
- Dominion Substation
- Parking Area
- Groundcover/Seed Mix Areas (See Sheet C6.8 for Details)**
 - Screening Zone - Existing vegetation to be retained and planted were necessary
 - Panel Zone - Solar Farm Seed Mix
 - Open Area - Solar Pollinator Buffer
 - Stormwater Basin - Detention Basin Seed Mix

NOTES:
AERIAL IMAGERY FROM 2021 MICROSOFT BING.
SEE SHEET C6.8 FOR MORE INFORMATION.



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VIRGINIA

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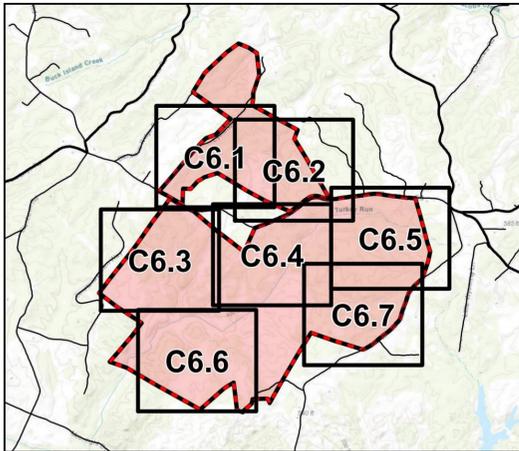
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DRAWING DESCRIPTION
**CONCEPTUAL
LANDSCAPING
PLAN**

SCALE (FEET)
0 1,000 2,000
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER
H:1" = 1,000' C6.0



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
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NOTES:
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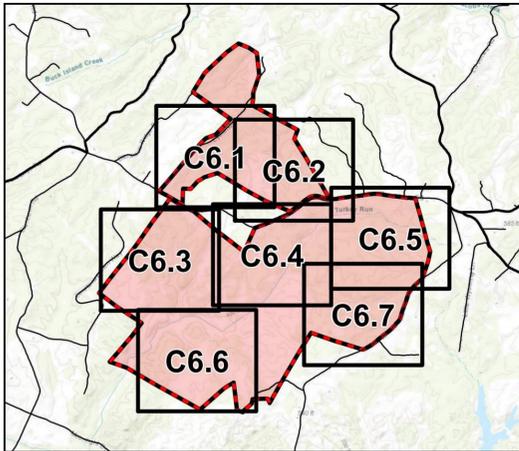
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DRAWING DESCRIPTION
**CONCEPTUAL
LANDSCAPING
PLAN**

SCALE (FEET)
0 250 500
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE: H:1" = 250' SHEET NUMBER: C6.1



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
- Existing Transmission Line
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- Groundcover/Seed Mix Areas (See Sheet C6.8 for Details)**
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NOTES:
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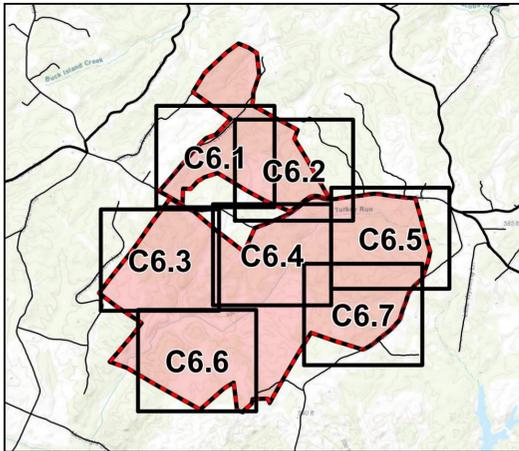
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DRAWING DESCRIPTION
CONCEPTUAL LANDSCAPING PLAN

SCALE (FEET)
0 250 500
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE: H:1" = 250' SHEET NUMBER: C6.2



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
- Existing Transmission Line
- Project Substation/Collection Yard
- Dominion Substation
- Parking Area
- Groundcover/Seed Mix Areas (See Sheet C6.8 for Details)**
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NOTES:
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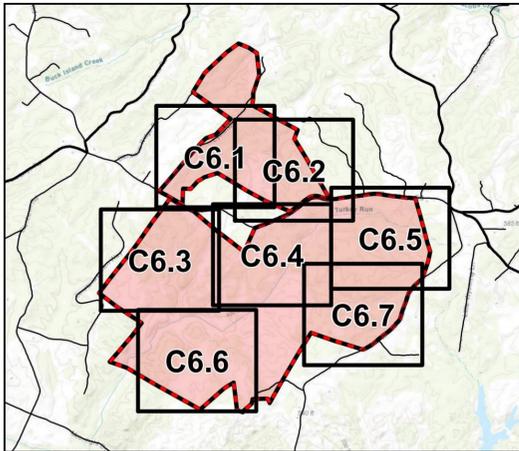
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DRAWING DESCRIPTION
CONCEPTUAL LANDSCAPING PLAN



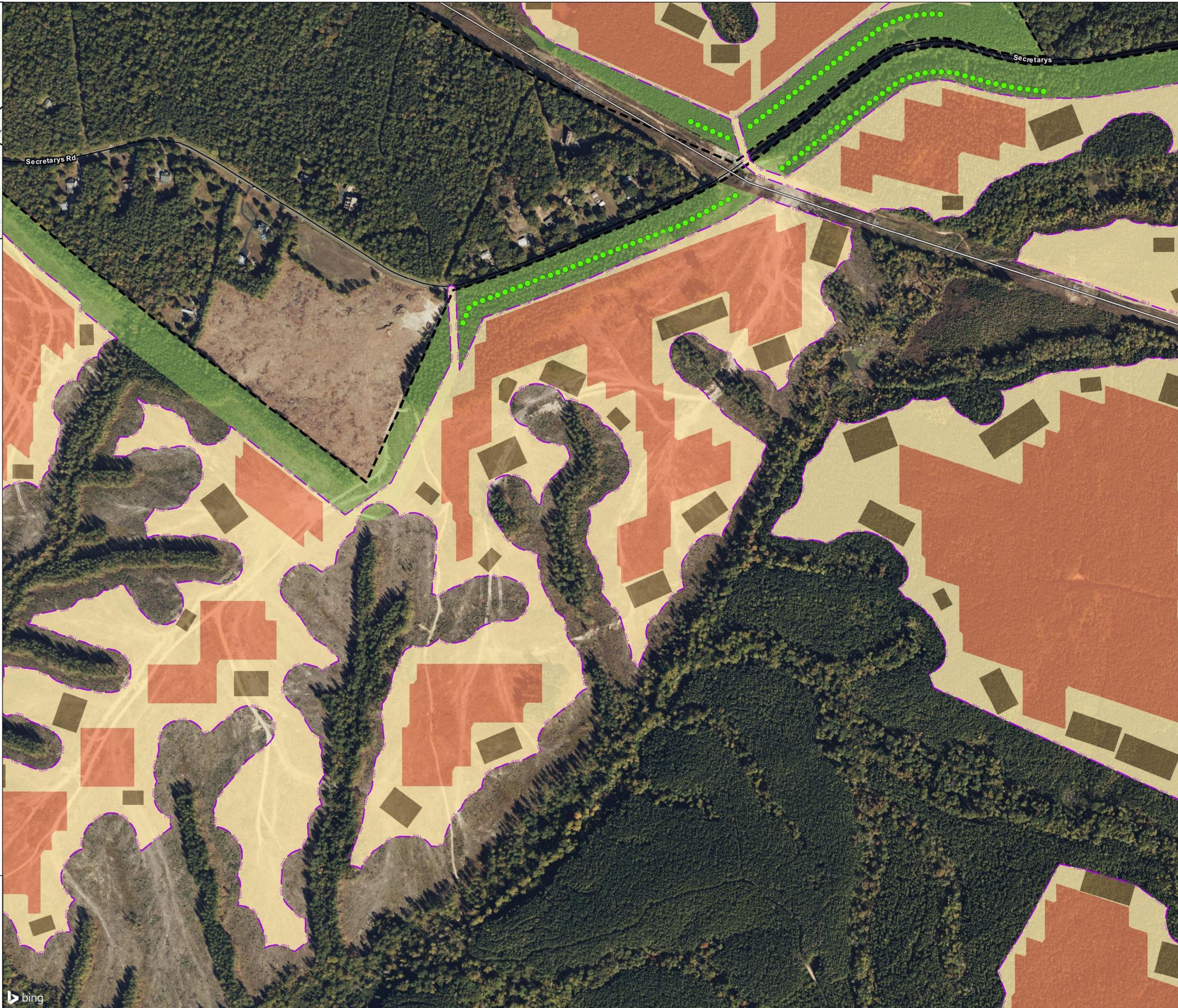
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PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE: 1" = 250'
SHEET NUMBER: C6.3



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
- Existing Transmission Line
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NOTES:
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PROJECT NAME & LOCATION

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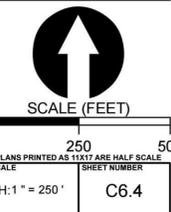
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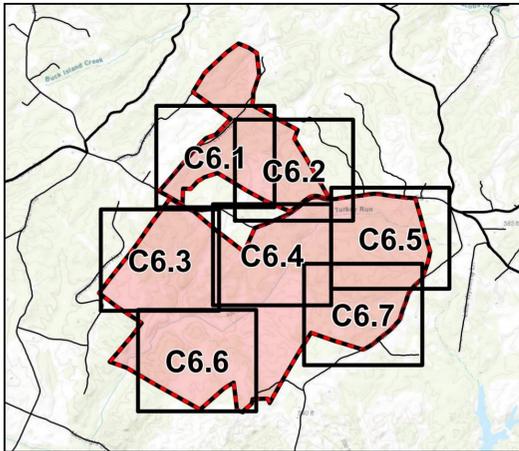
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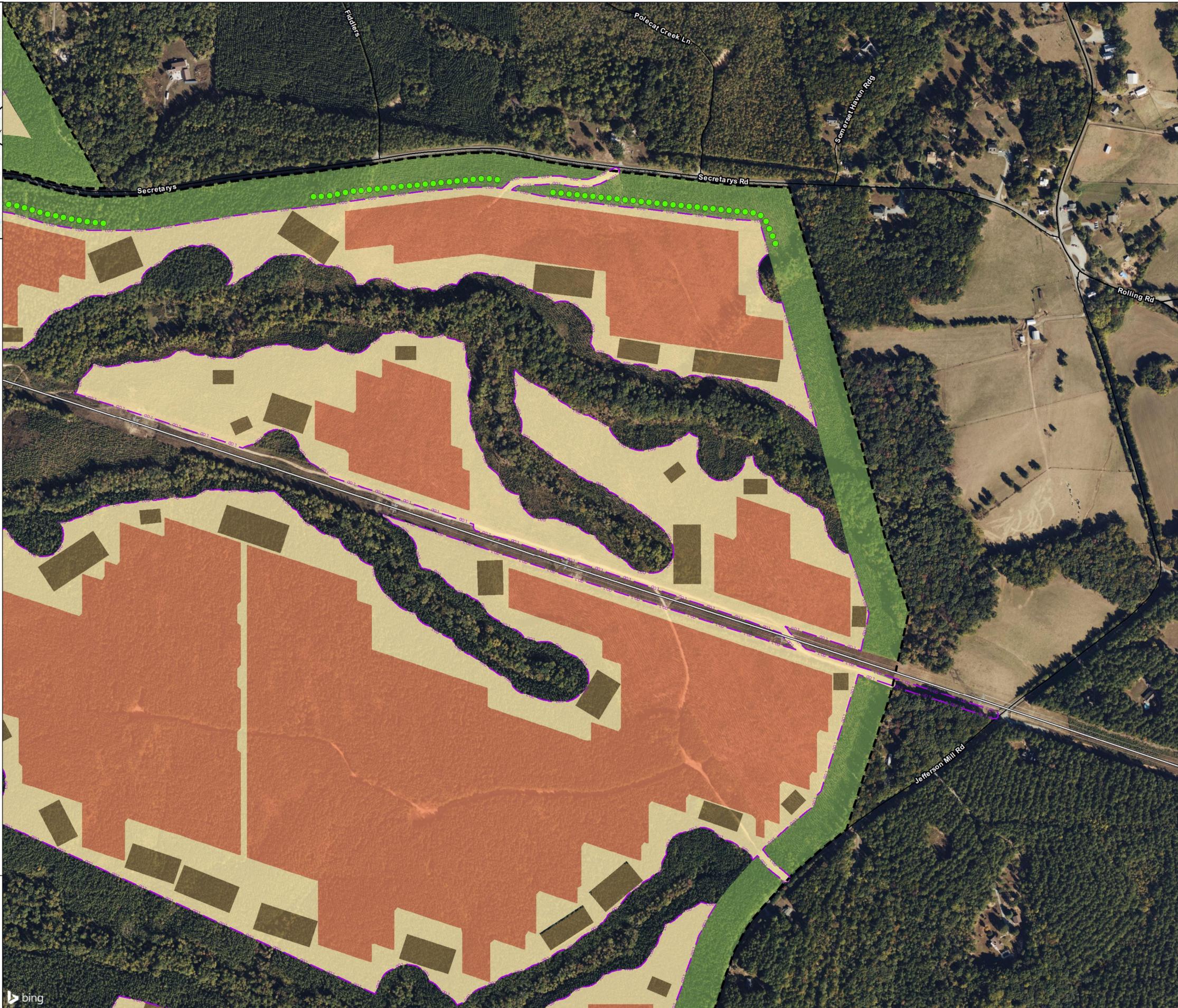




Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
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NOTES:
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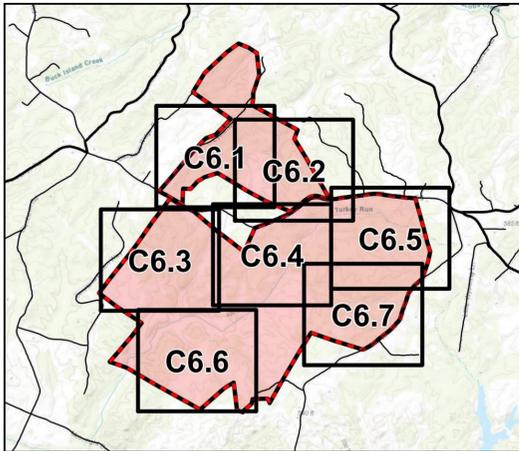
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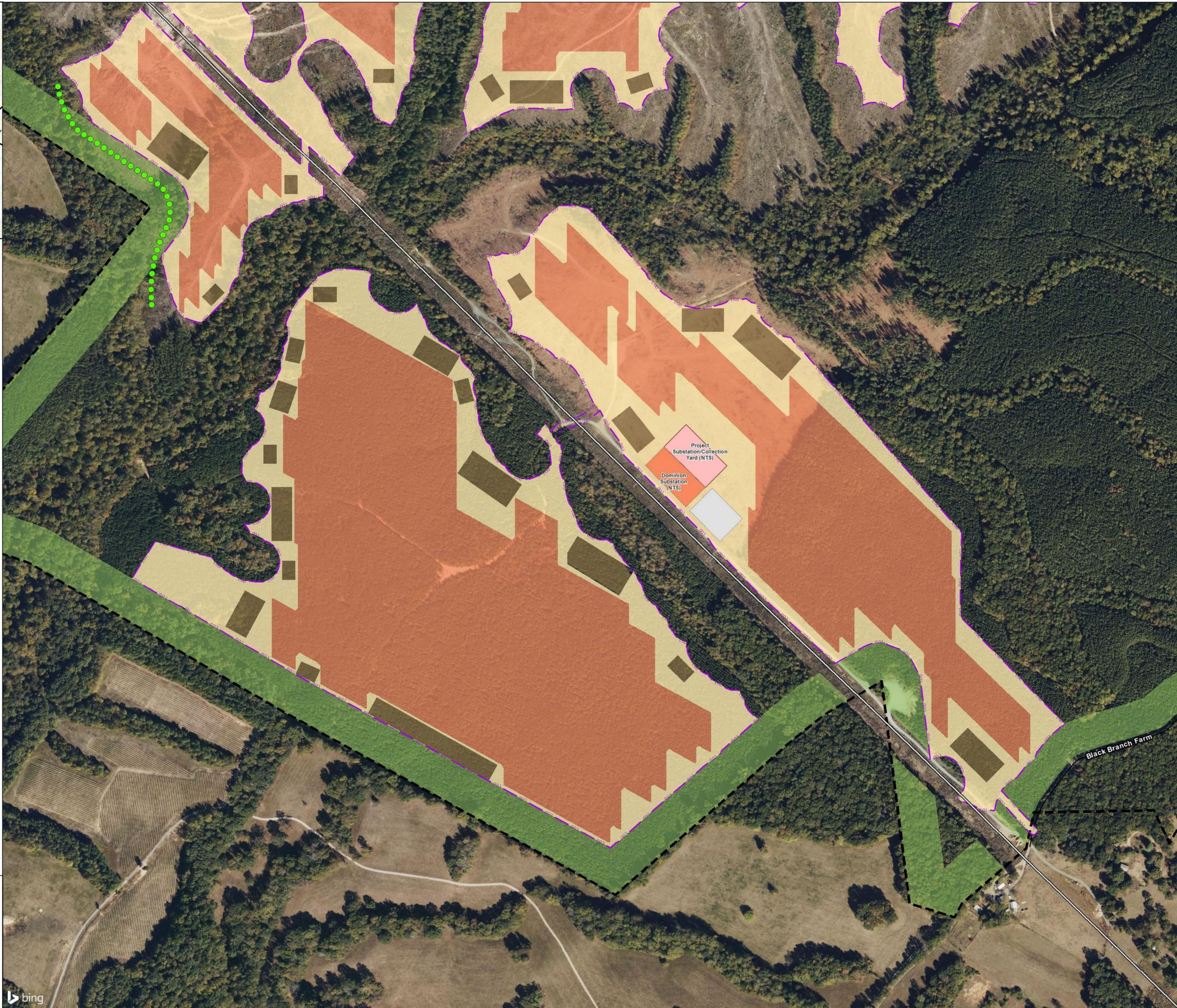
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PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE: 1 SHEET NUMBER

H:1" = 250' C6.5

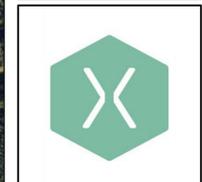


- Legend**
- Tax Map Parcel Boundaries - 2,259.5
 - Limits of Disturbance - 1,000
 - Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
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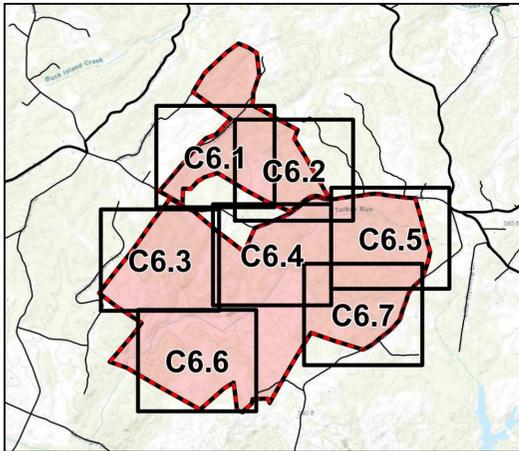
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SCALE (FEET)
0 250 500
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE: H:1" = 250'
SHEET NUMBER: C6.6



Legend

- Tax Map Parcel Boundaries - 2,259.5
- Limits of Disturbance - 1,000
- Proposed Vegetative Buffer - 20' Planting Strip with 80' Pollinator Meadow (See Sheet C6.8 for Details)
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 - Panel Zone - Solar Farm Seed Mix
 - Open Area - Solar Pollinator Buffer
 - Stormwater Basin - Detention Basin Seed Mix

NOTES:
AERIAL IMAGERY FROM 2021 MICROSOFT BING.
SEE SHEET C6.8 FOR MORE INFORMATION.



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PROJECT NAME & LOCATION
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

DATE: 05/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY / DRAWN BY: L. WHEELER

#	DATE	DESCRIPTION
1	06/12/22	Revised per County feedback.

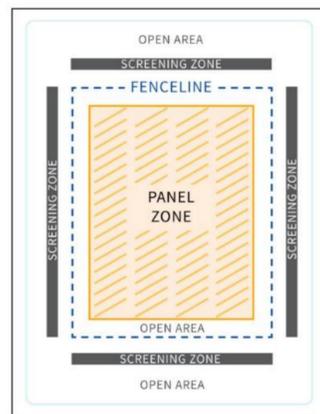
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#	DATE	DESCRIPTION
1	06/12/22	Revised per County feedback.

DRAWING DESCRIPTION
**CONCEPTUAL
LANDSCAPING
PLAN**

SCALE (FEET)
0 250 500
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE SHEET NUMBER
H:1" = 250' C6.7

PROJECT AREA DIAGRAM

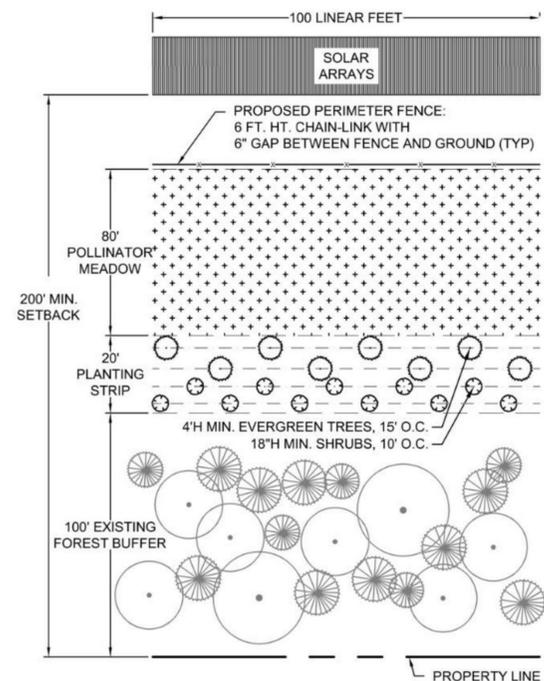


DEFINITIONS
Open Area: Any area beyond the panel zone, within the property boundary.
Panel Zone: The area underneath the solar arrays, including inter-row spacing.
Screening Zone: A vegetated visual barrier.
Solar Native Plant Finder: The Virginia Solar Site Native Plant Finder ([link](#)), an online research tool developed by the DCR Natural Heritage Program.
Used by Pollinators: Plant species with a "pollinator" designation on the Virginia Solar Site Native Plant Finder.
SOURCE: VIRGINIA POLLINATOR-SMART COMPREHENSIVE PLAN

VEGETATIVE BUFFER NOTES

- PROVIDE A 20-FOOT WIDE LANDSCAPE BUFFER CONSISTING OF A STAGGERED ROW OF EVERGREEN TREES AND SHRUBS PER SEC. 32.7.9.7 OF THE ALBEMARLE COUNTY ORDINANCE.
- SEED POLLINATOR MEADOW WITH SOLAR POLLINATOR BUFFER MIX.
- PRESERVE EXISTING WETLANDS AND WOODLANDS TO SERVE AS VEGETATIVE BUFFER. IF EXISTING TREES AND VEGETATION ARE DISTURBED, PROVIDE NEW BUFFER PLANTINGS. WHERE INTERMITTENT EXISTING TREES OR SHRUBS EXIST WITHIN A PROPOSED BUFFER LOCATION, PROPOSED SCREENING MUST BE FIELD-LOCATED AND PLANTED AS NEEDED TO SUPPLEMENT THE EXISTING VEGETATIVE SCREENING.
- ENSURE THAT ALL PLANT MATERIAL MEETS REQUIREMENTS IN THE ALBEMARLE COUNTY ORDINANCE.
- EVERGREEN TREES PLANTED IN THE BUFFER MUST BE AT LEAST FOUR (4) FEET TALL AT TIME OF PLANTING. SHRUBS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES IN HEIGHT WHEN PLANTED. ALL TREES TO BE PLANTED SHALL MEET THE SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN.
- VARY THE SPECIES USED EVERY 100 LINEAR FEET.
- FENCING MUST BE INSTALLED ON THE SOLAR PANEL SIDE OF THE BUFFER (SEE PLANTING TEMPLATE BELOW).

VEGETATIVE BUFFER PLANTING TEMPLATE



RECOMMENDED GROUNDCOVER SEED MIXES (CONT'D)

NATIVE DETENTION BASIN SEED MIX FOR USE IN STORMWATER BASINS
ERNST CUSTOM ALBEMARLE COUNTY STORMWATER BASIN MIX

% of mix by weight	Latin Name	Common Name
0.5	Agrostis perennans	Autumn Bentgrass
0.1	Alisma subcordatum	Mud Plantain
1.0	Asclepias incarnata	Swamp Milkweed
0.7	Asclepias tuberosa	Butterfly Milkweed
0.3	Aster lanceolatus	Lance Leaved Aster
0.7	Aster pilosus	Heath Aster
0.5	Bidens cernua	Nodding Bur Marigold
1.0	Carex frankii	Frank's Sedge
2.0	Carex lupulina	Hop Sedge
2.0	Carex lurida	Lurid Sedge
2.0	Carex scoparia	Blunt Broomsedge
12.0	Carex vulpinoidea	Fox Sedge
1.5	Chamaecrista fasciculata	Partridge Pea
0.5	Chamaecrista nictitans	Sensitive Pea
4.0	Chasmanthium latifolium	River Oats
2.0	Coreopsis lanceolata	Lance Leaf Coreopsis
20.0	Elymus virginicus	Virginia Wildrye
0.2	Eupatorium fistulosum	Joe Pye Weed
0.2	Helenium autumnale	Sneezeweed
0.2	Helenium flexuosum	Purpleheaded Sneezeweed
2.0	Heliopsis helianthoides	Ox-Eye Sunflower
1.0	Juncus effusus	Soft Rush

APPLY THIS MIX AT 15 LBS PLS/ACRE WITH A COVER CROP. FOR A COVER CROP USE JAPANESE MILLET (10 LBS/ACRE; 1 MAY TO 31 AUG), BARNYARD GRASS (10 LBS/ACRE; 1 MAY TO 31 AUG), OR GRAIN RYE (30 LBS/ACRE; 1 SEPT TO 30 APR).

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RECOMMENDED COVER CROPS (TEMPORARY SEEDING)

BOTANICAL NAME	COMMON NAME	SEEDS RATE: POUNDS PER ACRE
AVENA SATIVA	GRAIN OATS	50-100
SETARIA ITALICA	GERMAN MILLET	50
SECALE CEREALE	GRAIN RYE	50-100

RECOMMENDED BUFFER PLANT LIST

EVERGREEN TREES (REQUIRED TO MITIGATE VISUAL IMPACT)

- BOTANICAL NAME / COMMON NAME**
 ILEX OPACA / AMERICAN HOLLY
 JUNIPERUS VIRGINIANA 'BRODIE' / EASTERN RED CEDAR
 PINUS VIRGINIANA / VIRGINIA PINE
 THUJA OCCIDENTALIS 'TECHNY' / ARBORVITAE

SHRUBS

- BOTANICAL NAME / COMMON NAME**
 KALMIA LATIFOLIA / MOUNTAIN LAUREL
 PHYSOCARPUS OPULIFOLIUS / NINEBARK
 SAMBUCUS CANADENSIS / CANADIAN ELDERBERRY
 VIBURNUM DENTATUM / SOUTHERN ARROWWOOD

GROUNDCOVER PLANTING NOTES (SEE VEGETATION MANAGEMENT PLAN)

NOXIOUS WEED AND INVASIVE PLANT SPECIES MANAGEMENT PLAN (SEE VEGETATION MANAGEMENT PLAN)

RECOMMENDED GROUNDCOVER SEED MIXES

CUSTOM FUZZ AND BUZZ SEED MIX FOR USE IN PANEL ZONE
ERNST CUSTOM FUZZ AND BUZZ MIX WITH NATIVES

% of mix by weight	Latin Name	Common Name	Ecotype
4.5	Agropyron trachycaulum	Slender Wheatgrass	Any
0.1	Asclepias syriaca	Common Milkweed	Any
0.5	Aster oblongifolius	Aromatic Aster	PA
0.1	Aster pilosus	Heath Aster	PA
0.1	Aster prenanthoides	Zig Zag Aster	PA
4.0	Bouteloua curtipendula	Sideoats Grama	Any
11.0	Bromus biebersteinii	Meadow Brome	Fleet
0.8	Chamaecrista fasciculata	Partridge Pea	PA
0.5	Chrysanthemum leucanthemum	OxEye Daisy	Any
0.6	Cichorium intybus	Blue Chicory	Any
0.4	Coreopsis lanceolata	Lance Leaf Coreopsis	Any
16.0	Dactylis glomerata	Orchardgrass	Any
5.0	Festuca elatior	Meadow Fescue	Any
1.0	Linum perenne	Perennial Blue Flax	Any
19.0	Lolium perenne	Perennial Ryegrass	Any forage type
2.0	Lotus corniculatus	Bird's Foot Trefoil	Any
0.1	Monarda fistulosa	Wild Bergamot	PA (FIG)
14.5	Poa pratensis	Kentucky Bluegrass	Any forage type
0.1	Pycnanthemum tenuifolium	Narrow Leaved Mountain Mint	PA
4.0	Schizachyrium scoparium	Little Bluestem	Any
0.2	Solidago nemoralis	Gray Goldenrod	PA
0.3	Tradescantia ohioensis	Ohio Spiderwort	PA
5.4	Trifolium hybridum	Alsike Clover	Any
4.9	Trifolium incarnatum	Crimson Clover	Any
4.5	Trifolium pratense	Red Clover	Any
0.4	Zizia aurea	Golden Alexanders	PA
100.0	Total		
		74.3 % Grass-like Species by seed count	
		25.7 % Wildflower by seed count	

APPLY THIS MIX AT 42 LBS PLS/ACRE WITH A COVER CROP. FOR A COVER CROP USE ONE OF THE FOLLOWING: OATS (30 LBS/ACRE; 1 JAN TO 30 APR), BROWN TOP MILLET (10 LBS/ACRE; 1 MAY TO 31 AUG), OR GRAIN RYE (30 LBS/ACRE; 1 SEPT TO 31 DEC).

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NATIVE SOLAR POLLINATOR BUFFER MIX FOR USE IN OPEN AREA OUTSIDE OF SOLAR ARRAY AREA AND SCREENING ZONE
ERNST CUSTOM ALBEMARLE COUNTY SOLAR POLLINATOR MIX

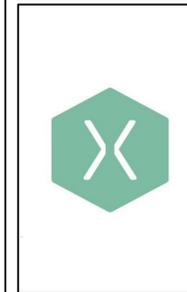
Albemarle County Solar Pollinator Buffer Mix

% of mix by weight	Latin Name	Common Name
0.5	Aquilegia canadensis	Eastern Columbine
1.2	Asclepias tuberosa	Butterfly Milkweed
0.7	Aster laevis	Smooth Aster
0.8	Aster novae-angliae	New England Aster
1.5	Chamaecrista fasciculata	Partridge Pea
0.5	Chamaecrista nictitans	Sensitive Pea
20.0	Elymus virginicus	Virginia Wildrye
0.5	Eragrostis spectabilis	Purple Lovegrass
0.5	Geum canadense	White Avens
2.0	Heliopsis helianthoides	Ox-Eye Sunflower
0.9	Lespedeza virginica	Slender Bushclover
0.4	Monarda fistulosa	Wild Bergamot
0.5	Penstemon laevigatus	Appalachian Beardtongue
1.2	Pycnanthemum tenuifolium	Narrow Leaved Mountain Mint
3.0	Rudbeckia hirta	Black Eyed Susan
0.5	Rudbeckia triloba	Brown Eyed Susan
60.0	Schizachyrium scoparium	Little Bluestem
0.5	Senna hebecarpa	Wild Senna
0.5	Senna marilandica	Maryland Senna
0.2	Solidago bicolor	White Goldenrod
0.1	Solidago juncea	Early Goldenrod
0.1	Solidago nemoralis	Gray Goldenrod
0.1	Solidago odora	Licorice Scented Goldenrod
1.3	Tradescantia ohioensis	Ohio Spiderwort
0.5	Vernonia noveboracensis	New York Ironweed
2.0	Zizia aurea	Golden Alexanders
100.0	Total	
		49.1 % Grass-like Species by seed count
		50.9 % Wildflower by seed count

FOR A COVER CROP USE ONE OF THE FOLLOWING: OATS (30 LBS/ACRE; 1 JAN TO 30 APR), BROWN TOP MILLET (10 LBS/ACRE; 1 MAY TO 31 AUG), OR GRAIN RYE (30 LBS/ACRE; 1 SEPT TO 31 DEC).

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WOODRIDGE SOLAR
 ALBEMARLE COUNTY,
 VIRGINIA

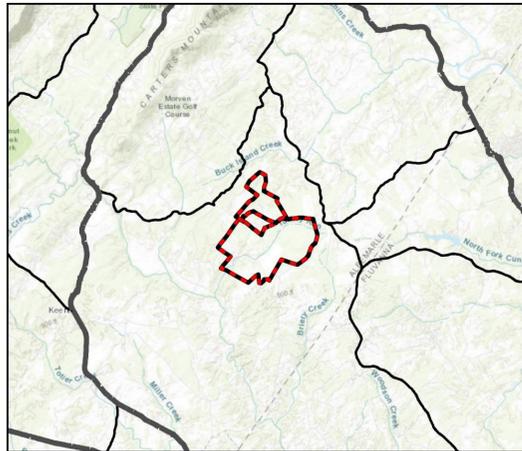
DATE: 05/16/2022
 PROJECT NUMBER: 50445
 PROJECT NAME: WOODRIDGE SOLAR
 DESIGNED BY / DRAWN BY: B. MCKNIGHT

REVISIONS

#	DATE	DESCRIPTION
1	05/12/22	Revised per County comments

DRAWING DESCRIPTION
CONCEPTUAL LANDSCAPING NOTES AND DETAILS

PLANS PRINTED AS 1/16" ARE HALF SCALE
 SCALE: SHEET NUMBER: C6.8

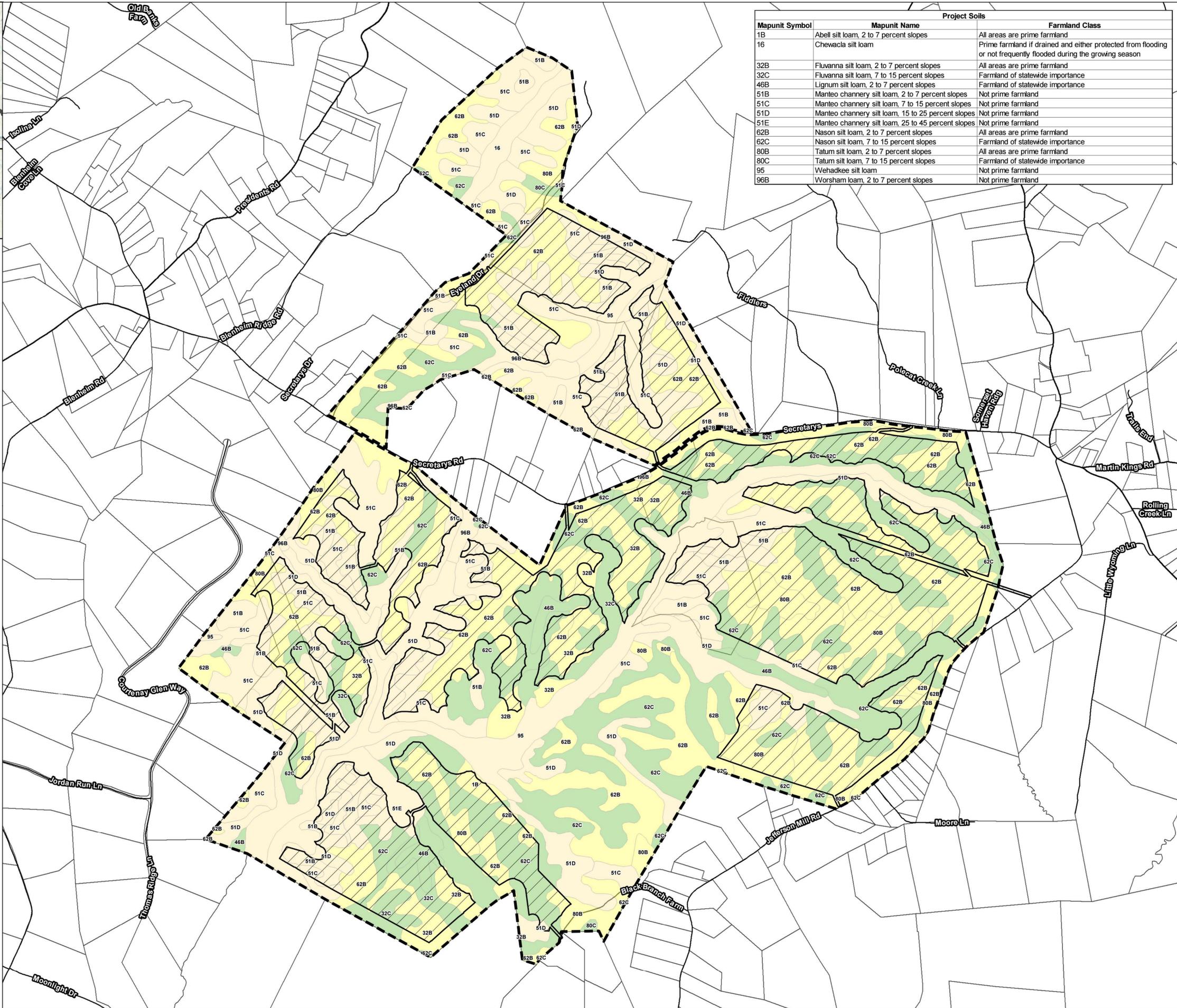


Legend

- Tax Map Parcel Boundaries - 2,259.5 Acres
- Limits of Disturbance - 1,000 Acres
- Albemarle Tax Parcels

Farmland Class

- All Areas Are Prime Farmland
- Farmland of Statewide Importance
- Not Prime Farmland -



Mapunit Symbol	Mapunit Name	Farmland Class
1B	Abell silt loam, 2 to 7 percent slopes	All areas are prime farmland
16	Chewacla silt loam	Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
32B	Fluvanna silt loam, 2 to 7 percent slopes	All areas are prime farmland
32C	Fluvanna silt loam, 7 to 15 percent slopes	Farmland of statewide importance
46B	Lignum silt loam, 2 to 7 percent slopes	Farmland of statewide importance
51B	Manteo channery silt loam, 2 to 7 percent slopes	Not prime farmland
51C	Manteo channery silt loam, 7 to 15 percent slopes	Not prime farmland
51D	Manteo channery silt loam, 15 to 25 percent slopes	Not prime farmland
51E	Manteo channery silt loam, 25 to 45 percent slopes	Not prime farmland
62B	Nason silt loam, 2 to 7 percent slopes	All areas are prime farmland
62C	Nason silt loam, 7 to 15 percent slopes	Farmland of statewide importance
80B	Tatum silt loam, 2 to 7 percent slopes	All areas are prime farmland
80C	Tatum silt loam, 7 to 15 percent slopes	Farmland of statewide importance
95	Wetadkee silt loam	Not prime farmland
96B	Worsham loam, 2 to 7 percent slopes	Not prime farmland

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PROJECT NAME & LOCATION
WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

DATE	05/16/2022
PROJECT NUMBER	50445
PROJECT NAME	WOODRIDGE SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

Property Limits are approximate. Layout is conceptual and for design purposes only. Not for construction. Soils data from SSURGO. Parcel data from Albemarle County GIS.

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#	DATE	DESCRIPTION
1	05/16/22	Revised per County comments

DRAWING DESCRIPTION
PRIME FARMLAND MAP

SCALE (FEET)
0 800 1,600
PLANS PRINTED AS 11X17 ARE HALF SCALE
SCALE SHEET NUMBER
H:1" = 800' C7.0

GENERAL NOTES

1. FINAL PHASING PLAN MAY BE ADJUSTED WITH FINAL SITE PLAN IN GENERAL CONFORMANCE WITH THE CUP CONDITIONS. HOWEVER, NO MORE THAN 350 ACRES IN ANY SEPARATE AREA AS IDENTIFIED IN THE PLANS SHALL BE SUBJECT TO LAND DISTURBANCE AT ANY ONE TIME.
2. CONSTRUCTION OF PROJECT SUBSTATION/COLLECTION YARD AND DOMINION SUBSTATION AREA MAY BE BEGIN AT ANY TIME AND CONCURRENTLY WITH OTHER DEVELOPMENT AREAS.
3. WETTING OF AREAS WITH A WATER TRUCK SHALL BE PERFORMED AS NEEDED DURING CONSTRUCTION.
4. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED AND INSPECTED REGULARLY IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK UNTIL COUNTY EROSION INSPECTOR ALLOWS CONTROL MEASURE TO BE REMOVED.
5. LAYDOWN YARDS AND AREAS FOR VEHICLE MAINTENANCE WILL NOT BE SITED WITHIN 500 FEET OF NON-PARTICIPATING PARCELS AND/OR PUBLIC RIGHTS OF WAY.

EROSION CONTROL CONSTRUCTION SEQUENCE

1. CONTRACTOR SHALL OBTAIN A COPY OF THE APPROVED EROSION CONTROL PLAN AND MAINTAIN A COPY OF THE PLAN ON SITE FOR THE DURATION OF CONSTRUCTION.
2. A PRE-CONSTRUCTION MEETING IS MANDATORY BEFORE ANY WORK IS DONE. CONTRACTOR SHALL NOTIFY THE COUNTY EROSION CONTROL INSPECTOR A MINIMUM OF 48 HOURS BEFORE THE START OF CONSTRUCTION.
3. INSTALL CONSTRUCTION ENTRANCES. THESE WILL BE THE ONLY POINTS OF ACCESS DURING CONSTRUCTION.
4. INSTALL ALL PERIMETER CONTROL SILT FENCE, CUT TREES, CLEAR AND GRUB, OR DENUDE AREAS ONLY AS NECESSARY TO INSTALL ALL PERIMETER MEASURES.
5. INSTALL TEMPORARY SEDIMENT TRAPS AND BASINS. SEDIMENT TRAPS AND BASINS SHALL BE FUNCTIONAL PRIOR TO BEGINNING ANY UPSLOPE LAND DISTURBING ACTIVITIES.
6. INSTALL DIVERSION CHANNELS, INCLUDING MATTING AND CHECK DAMS, TO DIRECT FLOW INTO THE TRAPS AND BASINS. ALL DITCHES ARE TO BE LINED WITH EC-3 MATTING UNLESS OTHERWISE SPECIFIED.
7. SEED ALL DITCHES, TRAPS, AND BASINS IMMEDIATELY.
8. CLEAR ALL REMAINING AREAS AS SHOWN ON THE PLANS.
9. PERFORM ALL REQUIRED GRADING OPERATIONS.
10. MATERIAL STOCKPILES SHALL BE ENCLOSED ON DOWN-GRADIENT SIDE.
11. APPLY SEED AND MULCH WITHIN 7 DAYS TO ALL DISTURBED AREAS.
12. INSTALL MATTING AS SHOWN ON PLAN, ON ALL SLOPES GREATER THAN 3:1, AND AS DIRECTED BY THE EROSION CONTROL INSPECTOR OR WHERE EROSION IS EVIDENT.
13. INSTALL SOLAR PANELS, SUBSTATION, ELECTRICAL LINES, AND ACCESS ROADS, PER THE PLANS. INSTALL FENCE AND GATES AS SHOWN ON THE PLANS WHERE NOT IN CONFLICT WITH TEMPORARY EROSION CONTROL MEASURES.
14. ENSURE ADEQUATE STAND OF GRASS WITHIN LIMITS OF DISTURBANCE.
15. UPON COMPLETION OF ALL LAND DISTURBING ACTIVITIES AND WITH THE APPROVAL OF THE COUNTY EROSION CONTROL INSPECTOR, REMOVE THE LAYDOWN AREA AND CONSTRUCTION ENTRANCE AND MAKE CONNECTIONS TO EXISTING ROAD.
16. ONCE SITE IS STABILIZED, CONVERT APPLICABLE SEDIMENT TRAPS/BASINS TO PERMANENT BASINS AND REMOVE REMAINING TRAPS/BASINS.
17. AS TRAPS AND BASINS ARE CONVERTED OR REMOVED, REMOVE TEMPORARY DIVERSION DITCHES, SEED AND MULCH ANY DISTURBED AREAS.
18. INSTALL ANY REMAINING PORTIONS OF FENCE AND GATES THAT WERE IN CONFLICT WITH TEMPORARY TRAPS AND BASINS.
19. REMOVE SILT FENCE.

SEDIMENT BASIN TO PERMANENT DETENTION BASIN SEQUENCE

1. DEWATER BASINS AND MUCK OUT SILT. DEWATERING OF THE BASINS SHALL BE DONE IN A NON-ERODIBLE MANNER WITH THE USE OF A DIRT BAG (OR EQUIVALENT).
2. BRING BOTTOM OF BASIN TO PERMANENT GRADE (IF NECESSARY).
3. CORE THE PERMANENT ORIFICES AND INSTALL ORIFICE TRASH RACKS.
4. REMOVE THE TEMPORARY DEWATERING DEVICES FROM THE RISERS AND PLUG UP THE ORIFICES.
5. REMOVE TEMPORARY ANTI-VORTEX DEVICES AND INSTALL PERMANENT TRASH RACKS.
6. APPLY PERMANENT SEEDING TO ALL DISTURBED AND/OR PREVIOUSLY INUNDATED AREAS.
7. BASIN CONVERSIONS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER BEFORE THE GENERAL CONSTRUCTION PERMIT IS TERMINATED.

SEDIMENT TRAP TO PERMANENT DETENTION BASIN SEQUENCE

1. DEWATER BASINS AND MUCK OUT SILT. DEWATERING OF THE BASINS SHALL BE DONE IN A NON-ERODIBLE MANNER WITH THE USE OF A DIRT BAG (OR EQUIVALENT).
2. BRING BOTTOM OF BASIN TO PERMANENT GRADE (IF NECESSARY).
3. REMOVE TEMPORARY PLATE ON PIPE AND INSTALL PERMANENT RISER.
4. REMOVE STONE OUTLET AND INSTALL PERMANENT EMERGENCY SPILLWAY.
5. APPLY PERMANENT SEEDING TO ALL DISTURBED AND/OR PREVIOUSLY INUNDATED AREAS.
6. BASIN CONVERSIONS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER BEFORE THE GENERAL CONSTRUCTION PERMIT IS TERMINATED.

STORMWATER BASIN MAINTENANCE AND INSPECTION

1. ALL SLOPES AND EMBANKMENTS SHALL BE MOWED AT LEAST TWICE A YEAR.
2. DEBRIS AND LITTER SHALL BE REMOVED AT LEAST TWICE A YEAR.
3. EXCESS SEDIMENT SHALL BE REMOVED AT LEAST ONCE EVERY FIVE YEARS. SEDIMENT REMOVAL SHALL FOLLOW GUIDELINES FOUND IN THE VESCH, LATEST EDITION.
4. INSPECT DAM EMBANKMENT ON A YEARLY BASIS AND ADDRESS ANY SETTLING, WOODY GROWTH, PIPING, EROSION, OR SEEPAGE.
5. INSPECT RISER STRUCTURE, TRASH RACKS, AND BASIN OUTLET ON A YEARLY BASIS TO ENSURE SYSTEM MEETS ORIGINAL DESIGN AND IS IN GOOD WORKING CONDITION.

Legend

- Special Use Permit Area - 1,515 Acres
- Tax Map Parcel Boundaries - 2,259.5 Acres

Proposed Features (Conceptual)

- Project Substation/Collection Yard
- Dominion Substation
- Area will not be used for vehicle maintenance or laydown yards

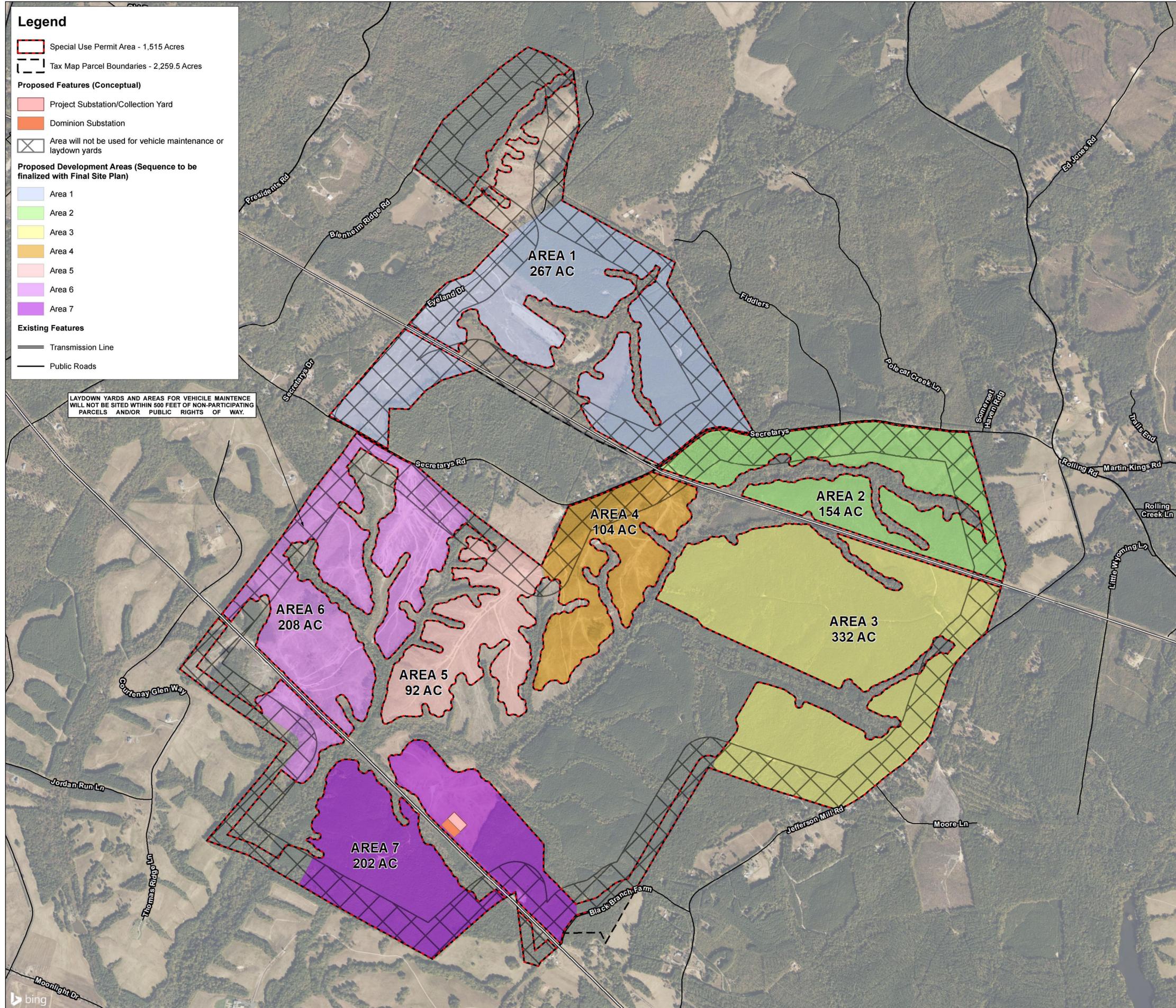
Proposed Development Areas (Sequence to be finalized with Final Site Plan)

- Area 1
- Area 2
- Area 3
- Area 4
- Area 5
- Area 6
- Area 7

Existing Features

- Transmission Line
- Public Roads

LAYDOWN YARDS AND AREAS FOR VEHICLE MAINTENANCE WILL NOT BE SITED WITHIN 500 FEET OF NON-PARTICIPATING PARCELS AND/OR PUBLIC RIGHTS OF WAY.



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WOODRIDGE SOLAR
 ALBEMARLE COUNTY,
 VIRGINIA

DATE	09/09/2022
PROJECT NUMBER	50445
PROJECT NAME	WOODRIDGE SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

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REVISIONS	
#	DESCRIPTION
001	Per County Comment

DRAWING DESCRIPTION
**CONCEPTUAL
 CONSTRUCTION
 PHASING PLAN**

SCALE (FEET)
 0 800 1,600
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 800' C8.0



Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Red
4	-6.000	-3.000	Red
5	-3.000	0.000	Red
6	0.000	3.000	Green
7	3.000	6.000	Green
8	6.000	9.000	Green
9	9.000	12.000	Green
10	12.000	21.605	Green

PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.

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TEL 804.200.6500 FAX 804.560.1016 www.timmons.com

CLIENT
HEXAGON
ENERGY

PROJECT NAME & ADDRESS
WOODRIDGE SOLAR
ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

REVISIONS	
NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

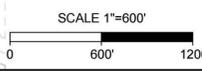
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DRAWING DESCRIPTION	

OVERALL CONCEPTUAL PANEL GRADING PLAN

PLANS PRINTED AS 11x17 ARE HALF SCALE	
SCALE	SHEET NUMBER
--	C9.0

Y:\852450445-Woodridge\DWG\Sheet\Exhibit\2022-08-23 Woodridge (Earthwork\balanced).dwg | Plotted on 5/15/2022 2:55 PM | by Nick Gordon

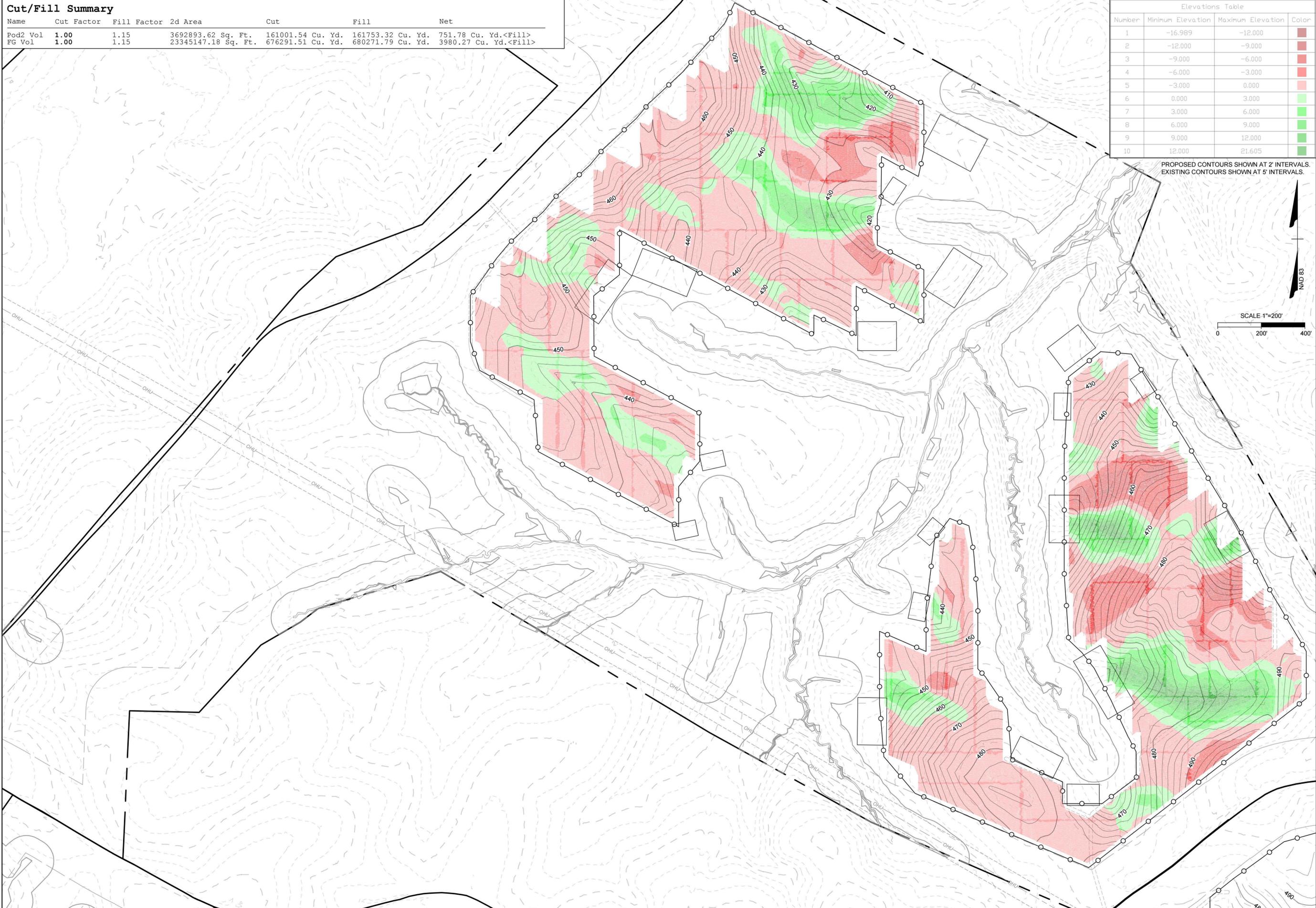


Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod2 Vol	1.00	1.15	3692893.62 Sq. Ft.	161001.54 Cu. Yd.	161753.32 Cu. Yd.	751.78 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23345147.18 Sq. Ft.	676291.51 Cu. Yd.	680271.79 Cu. Yd.	3980.27 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Dark Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Light Red
4	-6.000	-3.000	Very Light Red
5	-3.000	0.000	Light Pink
6	0.000	3.000	Light Green
7	3.000	6.000	Medium Green
8	6.000	9.000	Dark Green
9	9.000	12.000	Very Dark Green
10	12.000	21.605	Black

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CLIENT
HEXAGON ENERGY

PROJECT NAME & ADDRESS
WOODRIDGE SOLAR
 ALBEMARLE COUNTY
 VIRGINIA

DATE: 5/16/2022
 PROJECT NUMBER: 50445
 PROJECT NAME: WOODRIDGE SOLAR
 DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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REVISIONS	
NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN

PLANS PRINTED AS 11x17 ARE HALF SCALE
 SCALE SHEET NUMBER
 - C9.1

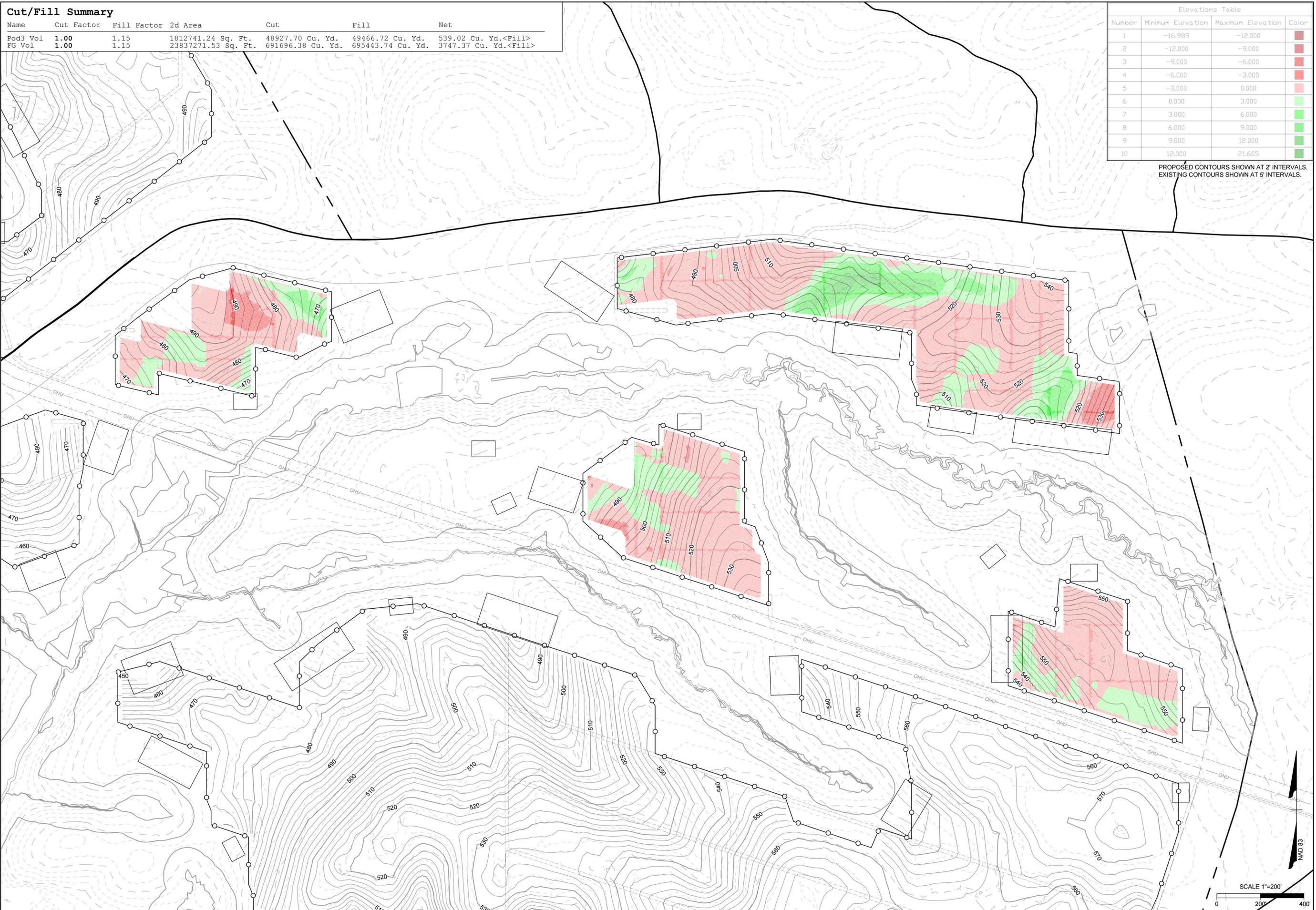
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Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod3 Vol	1.00	1.15	1812741.24 Sq. Ft.	48927.70 Cu. Yd.	49466.72 Cu. Yd.	539.02 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Dark Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Light Red
4	-6.000	-3.000	Red-Orange
5	-3.000	0.000	Orange
6	0.000	3.000	Light Green
7	3.000	6.000	Green
8	6.000	9.000	Dark Green
9	9.000	12.000	Very Dark Green
10	12.000	21.605	Black

PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.



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WOODRIDGE SOLAR
ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
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DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

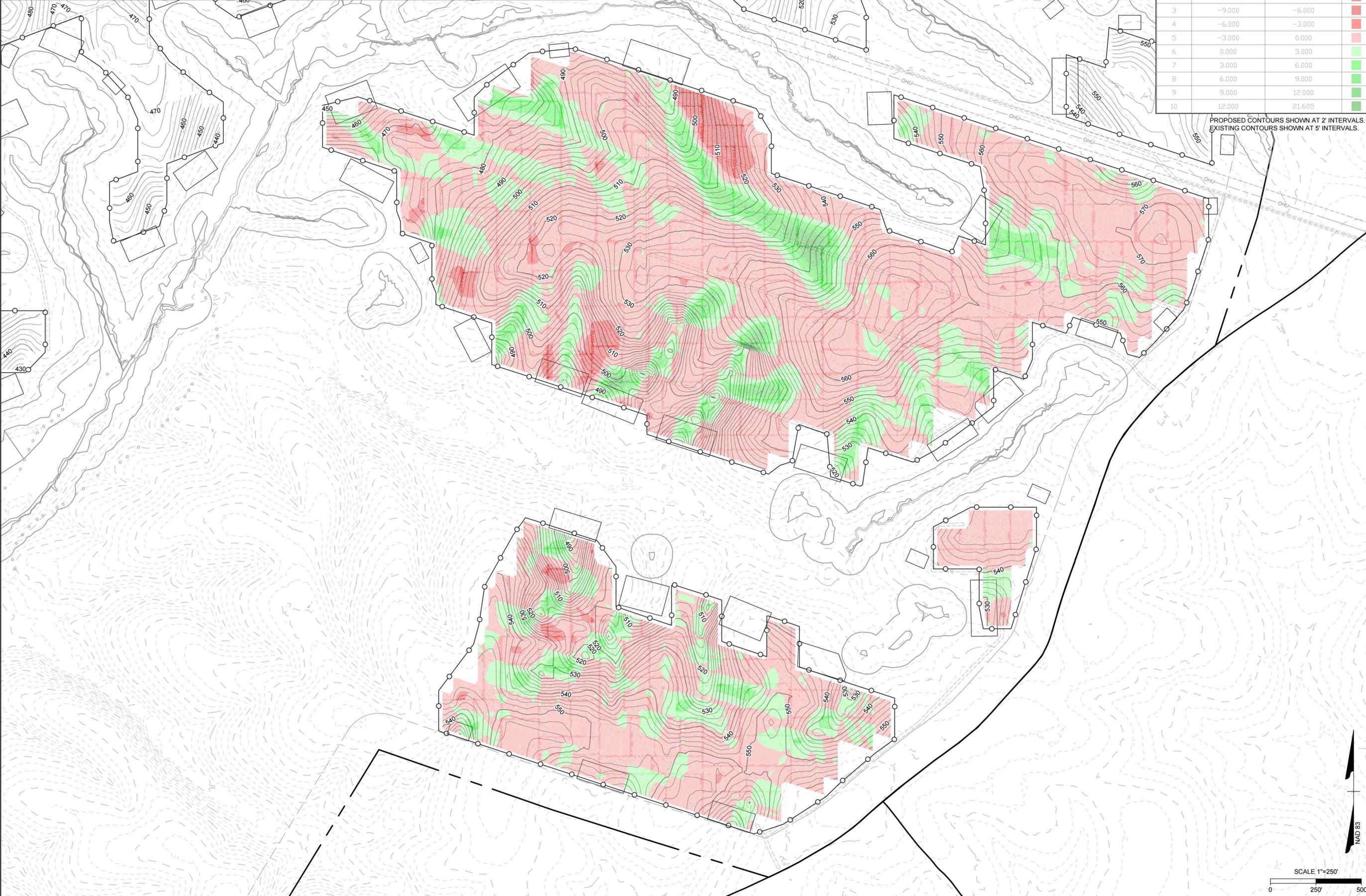
DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE SHEET NUMBER
C9.2

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Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod4 Vol	1.00	1.15	8188643.66 Sq. Ft.	207499.05 Cu. Yd.	207803.72 Cu. Yd.	304.67 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Red
4	-6.000	-3.000	Red
5	-3.000	0.000	Red
6	0.000	3.000	Light Green
7	3.000	6.000	Light Green
8	6.000	9.000	Light Green
9	9.000	12.000	Light Green
10	12.000	21.605	Light Green



PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.

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PROJECT NAME & ADDRESS
WOODRIDGE SOLAR
ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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REVISIONS	
NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

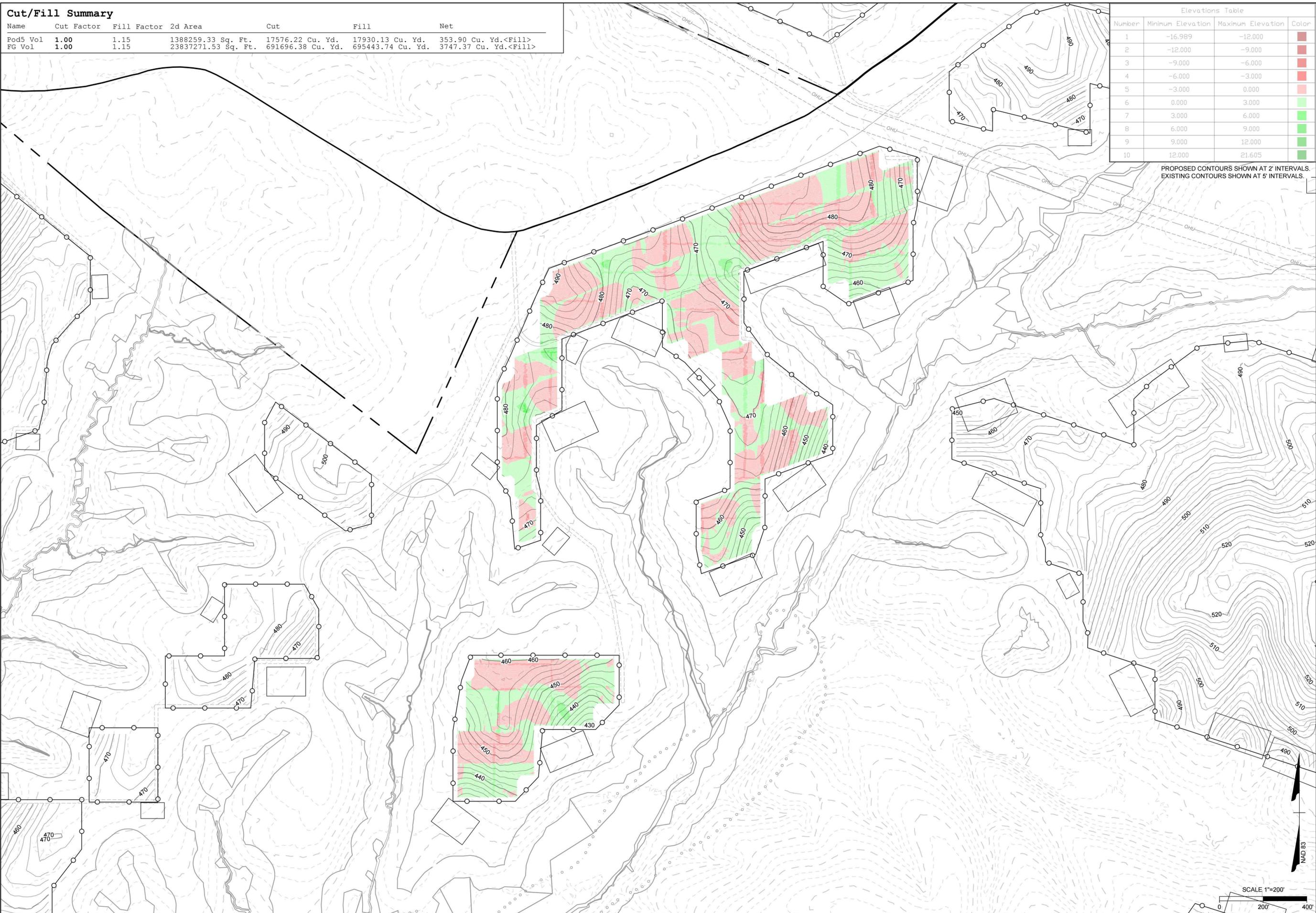
DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE: - **C9.3**

Y:\852450445-Woodridge\DWG\Sheet\Earthwork\balanced.dwg | Plotted on 5/15/2022 2:57 PM by Nick Gordon

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod5 Vol	1.00	1.15	1388259.33 Sq. Ft.	17576.22 Cu. Yd.	17930.13 Cu. Yd.	353.90 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Dark Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Light Red
4	-6.000	-3.000	Red-Orange
5	-3.000	0.000	Orange
6	0.000	3.000	Light Green
7	3.000	6.000	Green
8	6.000	9.000	Dark Green
9	9.000	12.000	Very Dark Green
10	12.000	21.605	Black



PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.

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PROJECT NAME & ADDRESS
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ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

DRAWING DESCRIPTION
**CONCEPTUAL
PANEL
GRADING PLAN**

PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE SHEET NUMBER
C9.4

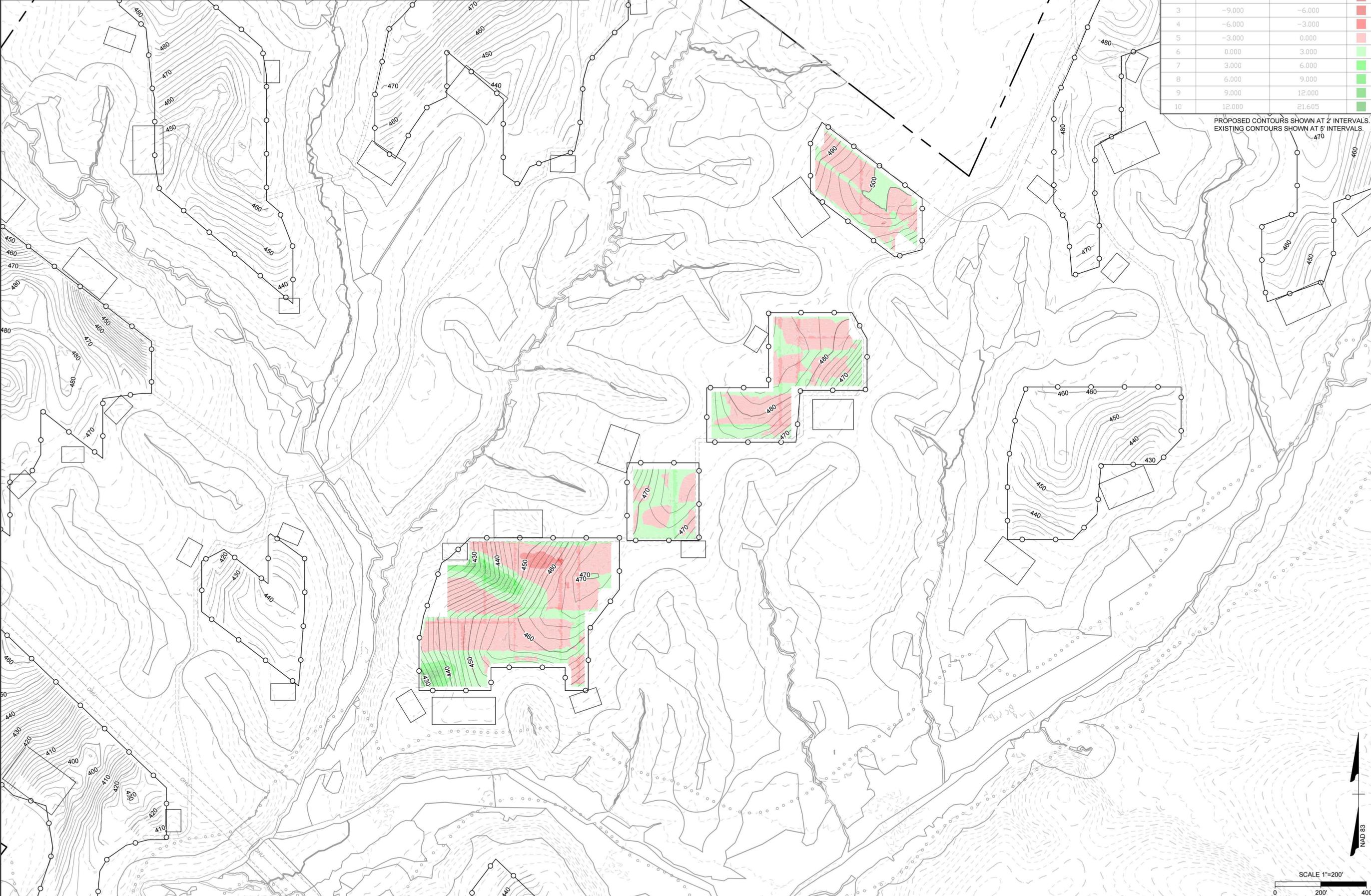
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Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod6 Vol	1.00	1.15	784927.83 Sq. Ft.	14268.62 Cu. Yd.	14643.65 Cu. Yd.	375.03 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table

Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Red
4	-6.000	-3.000	Red
5	-3.000	0.000	Red
6	0.000	3.000	Light Green
7	3.000	6.000	Light Green
8	6.000	9.000	Light Green
9	9.000	12.000	Light Green
10	12.000	21.605	Light Green



PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.

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PROJECT NAME & ADDRESS
WOODRIDGE SOLAR
ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

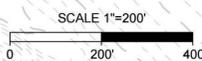
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REVISIONS

NO.	DATE	DESCRIPTION
1	05/12/22	Revised per County Comments

DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE: -- SHEET NUMBER: **C9.5**

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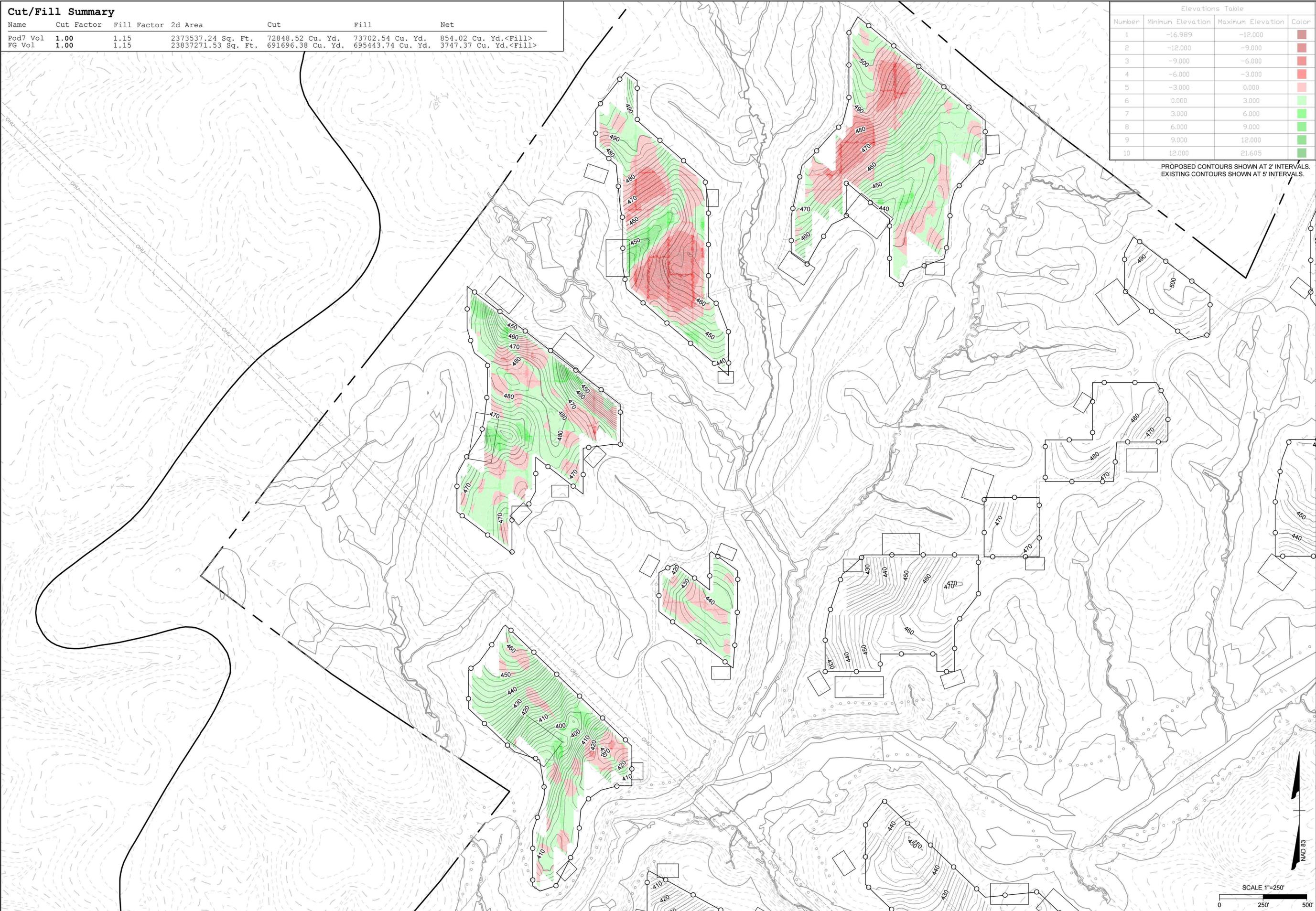


Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod7 Vol	1.00	1.15	2373537.24 Sq. Ft.	72848.52 Cu. Yd.	73702.54 Cu. Yd.	854.02 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Dark Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Light Red
4	-6.000	-3.000	Red-Orange
5	-3.000	0.000	Orange
6	0.000	3.000	Light Green
7	3.000	6.000	Green
8	6.000	9.000	Dark Green
9	9.000	12.000	Very Dark Green
10	12.000	21.605	Black

PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.



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PROJECT NAME & ADDRESS
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ALBEMARLE COUNTY
VIRGINIA

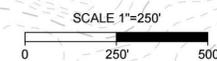
DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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REVISIONS	
NO.	DESCRIPTION
1	05/12/22 Revised per County Comments

DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE: -- SHEET NUMBER: **C9.6**

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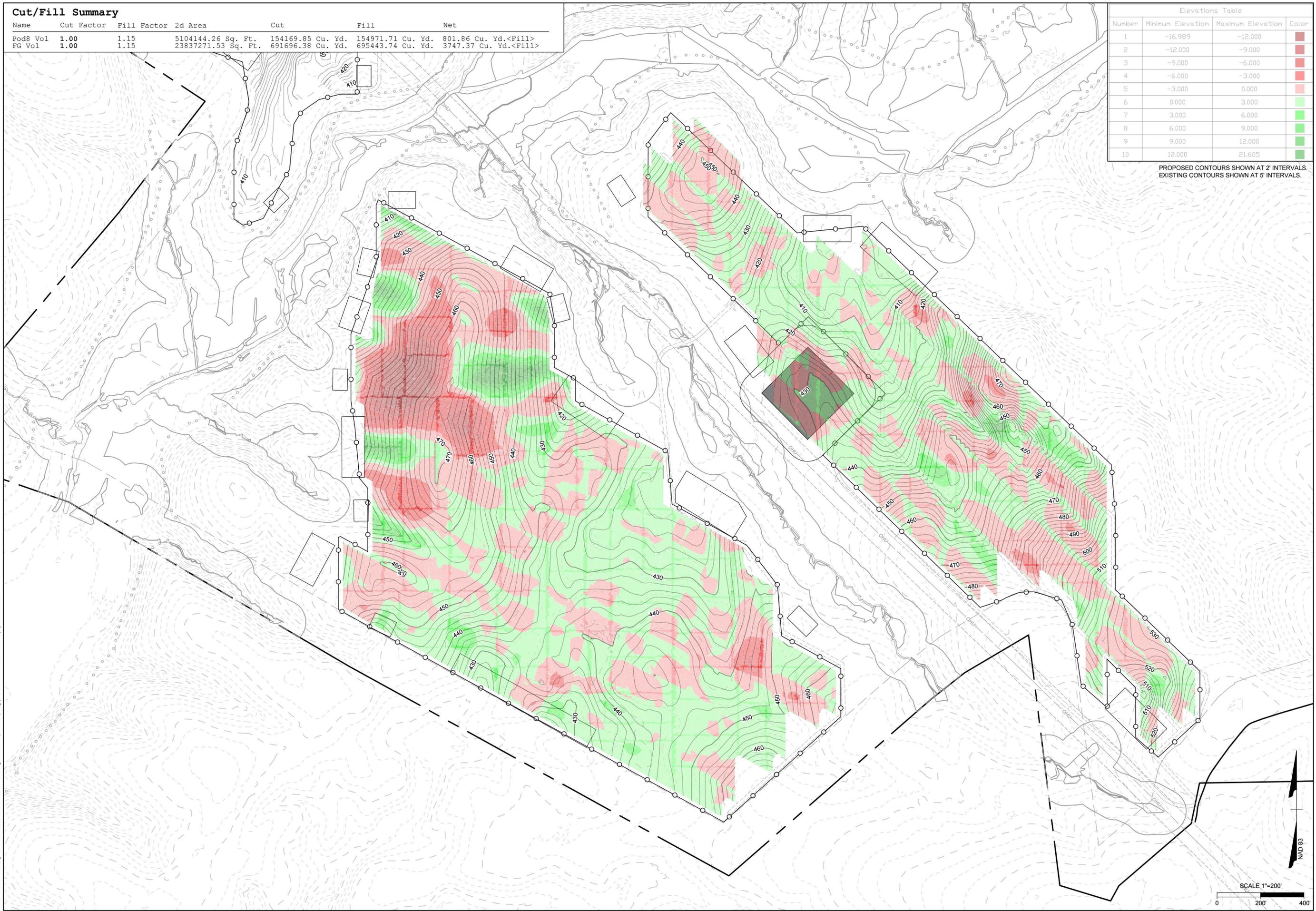


Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pod8 Vol	1.00	1.15	5104144.26 Sq. Ft.	154169.85 Cu. Yd.	154971.71 Cu. Yd.	801.86 Cu. Yd.<Fill>
FG Vol	1.00	1.15	23837271.53 Sq. Ft.	691696.38 Cu. Yd.	695443.74 Cu. Yd.	3747.37 Cu. Yd.<Fill>

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-16.989	-12.000	Dark Red
2	-12.000	-9.000	Red
3	-9.000	-6.000	Light Red
4	-6.000	-3.000	Red-Orange
5	-3.000	0.000	Orange
6	0.000	3.000	Light Green
7	3.000	6.000	Green
8	6.000	9.000	Dark Green
9	9.000	12.000	Very Dark Green
10	12.000	21.605	Black

PROPOSED CONTOURS SHOWN AT 2' INTERVALS.
EXISTING CONTOURS SHOWN AT 5' INTERVALS.



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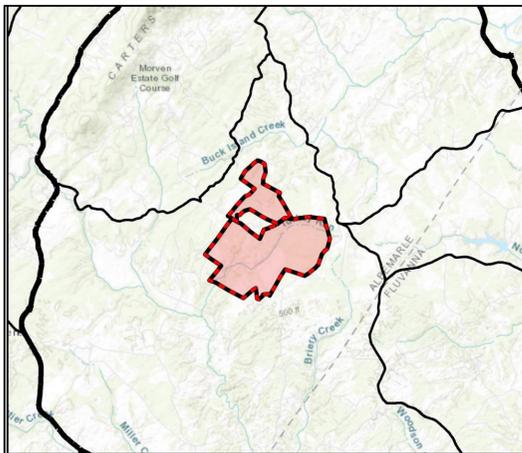
PROJECT NAME & ADDRESS
WOODRIDGE SOLAR
ALBEMARLE COUNTY
VIRGINIA

DATE: 5/16/2022
PROJECT NUMBER: 50445
PROJECT NAME: WOODRIDGE SOLAR
DESIGNED BY/DRAWN BY: N. GORDON/D. JAMISON

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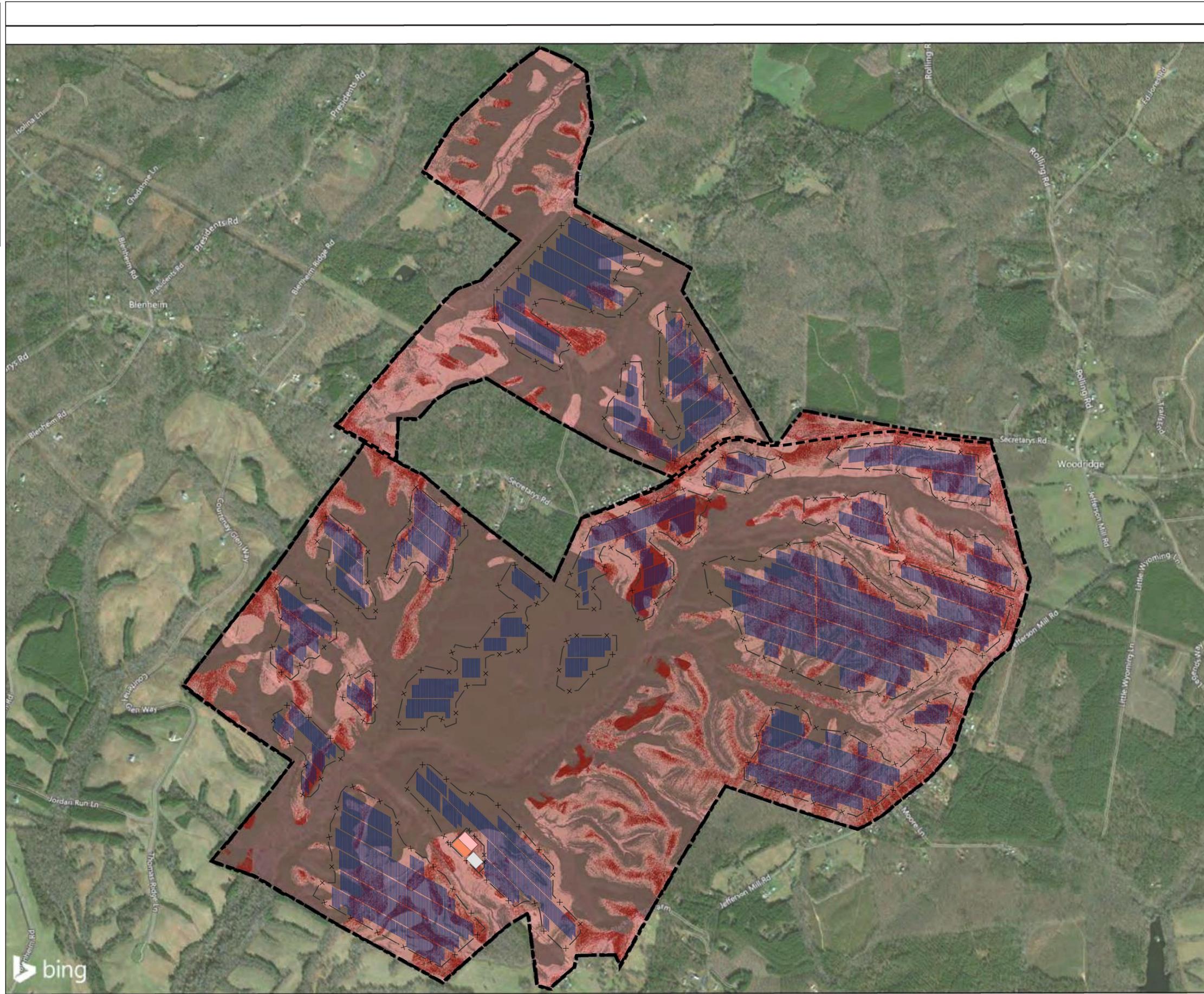
REVISIONS	
NO.	DESCRIPTION
1	08/12/22 Revised per County Comments

DRAWING DESCRIPTION
CONCEPTUAL PANEL GRADING PLAN
PLANS PRINTED AS 11x17 ARE HALF SCALE
SCALE: -- SHEET NUMBER: **C9.7**



Legend

- Tax Map Parcel Boundaries - 2,259.5 Acres
- Proposed Features (Conceptual)**
- Project Substation/Collection Yard
- Dominion Substation
- Parking Area
- Fence
- Solar Arrays
- Archaeological Predictive Model Probability Areas**
- High Probability Area (286.7 Acres)
- Moderate Probability Area (710.2 Acres)
- Low Probability Area (1,279.5 Acres)



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WOODRIDGE SOLAR
ALBEMARLE COUNTY,
VIRGINIA

PROJECT NAME & LOCATION

DATE: 05/16/2022

PROJECT NUMBER: 50445

PROJECT NAME: WOODRIDGE SOLAR

DESIGNED BY/DRAWN BY: L. WHEELER

REVISIONS

#	DATE	DESCRIPTION
1	06/12/22	Revised per County comments

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DRAWING DESCRIPTION
CONCEPTUAL
PLAN OVERLAIN
ON STANTEC
CULTURAL
RESOURCE
PROBABILITY
AREAS

SCALE (FEET)

0 800 1,600

PLANS PRINTED AS 11X17 ARE HALF SCALE

SCALE: H:1" = 800' C10:0

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