

TEMPORARY CONSTRUCTION STAGING AREA (TYP)

PROPOSED SITE ENTRANCE (TYP)

CEAR GROVE RD - SR 602  
(60' PUBLIC R/W - PAVED)

QUINTON OAK LN - SR 603  
(60' PUBLIC R/W - PAVED)

MAON RD - SR 601  
(60' PUBLIC R/W - PAVED)

MAON RD - SR 601  
(60' PUBLIC R/W - PAVED)

8500 ± FEET  
ON CEDAR GROVE ROAD  
1.6 MILES ±

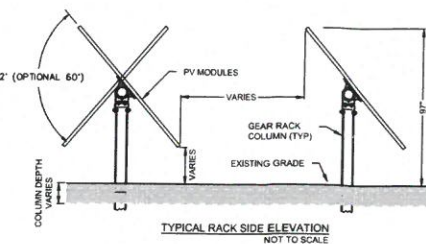
250 ±  
ACRES

9,027 ±  
ON MAON ROAD  
1.7 MILES ±

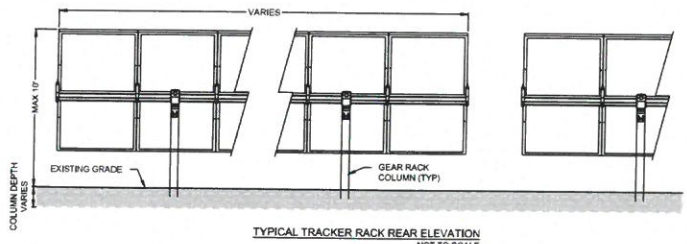
EXISTING VEGETATION (MIN 50')  
TO BE PRESERVED TO SATISFY  
SCREENING REQUIREMENTS (TO  
BE VERIFIED BY COUNTY STAFF,  
SUPPLEMENTED AS NECESSARY  
PER DETAIL PROVIDED) (TYP)

EXISTING VEGETATION (MIN 50')  
TO BE PRESERVED TO SATISFY  
SCREENING REQUIREMENTS (TO  
BE VERIFIED BY COUNTY STAFF,  
SUPPLEMENTED AS NECESSARY  
PER DETAIL PROVIDED) (TYP)

EXISTING VEGETATION (MIN 50')  
TO BE PRESERVED TO SATISFY  
SCREENING REQUIREMENTS (TO  
BE VERIFIED BY COUNTY STAFF,  
SUPPLEMENTED AS NECESSARY  
PER DETAIL PROVIDED) (TYP)



TYPICAL RACK SIDE ELEVATION  
NOT TO SCALE



TYPICAL TRACKER RACK REAR ELEVATION  
NOT TO SCALE

#### NOTES

##### 1. EXISTING PROPERTY INFORMATION

PIN	OWNER	DBPG	ZONING	LEASED ACREAGE	LAND USE
34-98	JEAN B. BALL & NATHAN P. BALL	141-650	A-1	309.84	VACANT
39-1	FRANK O. BROOKS, JR.	105-408	A-1	702.28	VACANT
39-36	BESLEY AND ROGERS INC.	283-488	A-1	318.15	VACANT
39-37	BALL LUMBER CO. INC.	110-554	A-1	302.11	VACANT
		TOTAL ACREAGE		1632.38	

SITE ADDRESS: QUINTON OAK LN, FARNHAM, RICHMOND COUNTY, VA  
MINIMUM SETBACK REQUIREMENTS:

ZONING	A-1
FRONT	50'
SIDE	50'
REAR	50'

- THE PURPOSE OF THIS PLAN IS FOR A SPECIAL USE PERMIT APPLICATION FOR REVIEW AND APPROVAL BY RICHMOND COUNTY TO CONSTRUCT A SOLAR ELECTRIC POWER PLANT. THE LOCATION OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCING, SOLAR ARRAY BACKING, INVERTERS, OVERHEAD POLES & LINES, ETC., SHOWN IS APPROXIMATE AND MAY BE SUBJECT TO MODIFICATION DUE TO SITE CONDITIONS, ADDITIONAL PERMITTING REQUIREMENTS (VDOT, VIDEO, USACOE, ETC.), EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS. ANY REVISIONS WILL BE SUBMITTED FOR STAFF APPROVAL PRIOR TO CONSTRUCTION TO VERIFY COMPLIANCE WITH ZONING REQUIREMENTS AND CONDITIONS AS APPROVED.
- TOPOGRAPHIC DATA & EXISTING IMPROVEMENTS SHOWN ON THIS PLAN IS PER LIDAR TOPOGRAPHY PROVIDED BY MCKIM & CREED, RICHMOND COUNTY GIS AND AERIAL IMAGERY.
- WATERS OF THE US SHOWN PER DELINEATION BY PILOT ENVIRONMENTAL.
- THE PROPERTY SHOWN HEREON DOES NOT CONTAIN SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD (I.E. 100-YR. EVENT) PER FEMA FIRM MAP PANELS NO. 51159C0205B EFFECTIVE DATE APRIL 16, 2016 AND 51159C0210B EFFECTIVE DATE DECEMBER 16, 2006.
- ALL RIGHT-OF-WAYS ARE PUBLIC, UNLESS NOTED OTHERWISE.
- UTILITY LINES AND SERVICES SHOWN HEREON ARE APPROXIMATE PER AERIAL PHOTOGRAPHY. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CALL 811 BEFORE DIGGING AT 811.
- COPIES OF ALL PERMITS AND APPROVED PLANS MUST BE KEPT ON-SITE IN A PERMIT BOX THAT IS CONSPICUOUSLY LOCATED AND EASILY ACCESSIBLE DURING CONSTRUCTION.
- A SEDIMENT AND EROSION CONTROL PLAN WILL BE APPROVED BY VIDEO PRIOR TO BEGINNING CONSTRUCTION.
- A DRIVEWAY PERMIT WILL BE APPROVED BY VDOT PRIOR TO BEGINNING CONSTRUCTION.
- PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED, GRUBBED AND GRADED AS NECESSARY. RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS (I.E. NO MASS GRADING). A PORTION OF PROJECT AREAS MAY CONSIST OF TREE CLEARING ONLY (NO GRUBBING) TO ALLEVIATE SHADING OF THE ARRAY. AS INDICATED ON THE SITE PLAN, MINOR GRADING ONLY WILL OCCUR AROUND EQUIPMENT AREAS TO DIVERT SURFACE DRAINAGE. CONSTRUCTION STAGING AND AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH LOGGING MATS, WHICH WILL BE REMOVED FOLLOWING CONSTRUCTION.
- PROPOSED TEMPORARY LAYDOWN YARD/CONSTRUCTION STAGING AREA TO BE USED DURING SITE CONSTRUCTION. A PORTION OF THIS AREA (HATCHED) WILL BE COVERED WITH LOGGING MATS TO ALLOW DELIVERY OF CONSTRUCTION MATERIALS. PRIOR TO CONSTRUCTION, THIS AREA WILL BE COMPACTED BY A SMOOTH DRUM ROLLER TO REDUCE PREVENT RUTTING. FOLLOWING CONSTRUCTION, THE LOGGING MATS ARE REMOVED AND THE ENTIRE AREA IS RESTORED TO PRE-CONSTRUCTION CONDITIONS.
- ACCESS AISLES ARE COMPACTED BY A SMOOTH DRUM ROLLER TO REDUCE PREVENT RUTTING. LOGGING MATS MAY BE PLACED IN HIGH TRAFFIC OR POORLY DRAINING AREAS DURING CONSTRUCTION ACTIVITIES TO IMPROVE ACCESS.
- PROPOSED 24' ACCESS GATE (TWO 12' SECTIONS) IS 6' TALL CHAIN LINK WITH 3 STRANDS OF BARBED WIRE. GATE WILL BE LOCKED WITH STANDARD KEYS OR COMBINATION LOCK. EMERGENCY PERSONNEL (AS DESIGNATED BY RICHMOND COUNTY) WILL BE PROVIDED A KEY OR COMBINATION FOR ACCESS.
- NO LIGHTING IS PROPOSED FOR THIS SITE.
- ALUMINUM SIGNS ('DANGER - HIGH VOLTAGE' AND 'DANGER - NO TRESPASSING') MEASURING 14" X 10" IN SIZE. WILL BE PLACED ON PERMANENT SECURITY FENCING, ALTERNATING EVERY 100' AROUND THE ARRAY.
- SYSTEMS, EQUIPMENT AND STRUCTURES WILL NOT EXCEED FIFTEEN (15) FEET IN HEIGHT WHEN GROUND MOUNTED. EXCLUDED FROM THIS HEIGHT REQUIREMENT, HOWEVER, ARE OVERHEAD ELECTRIC DISTRIBUTION LINES AND UTILITY POLES.
- ALL PROPOSED TEMPORARY AND PERMANENT TRAFFIC SIGNAGE SHALL BE REVIEWED AND APPROVED BY VDOT AS PART OF THE LAND USE PERMIT.

#### SITE PLAN LEGEND

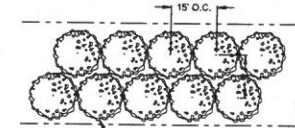
EXISTING PROPERTY LINE	---
EXISTING PROPERTY LINE (NOT SURVEYED)	---
EXISTING RIGHT-OF-WAY	---
EXISTING SETBACK	---
PROPOSED LEASE LINE	---
EXISTING FENCE LINE	---
PERMANENT SECURITY FENCE (IF CHAIN-LINK WITH 3 STRANDS BARBED WIRE)	---
TEMPORARY SECURITY FENCE (IF CHAIN-LINK)	---
EXISTING OVERHEAD POWER LINE	---
PROPOSED OVERHEAD MEDIUM VOLTAGE LINE	---
EXISTING TREE LINE	---
PROPOSED TREE LINE	---
PROPOSED SOLAR ARRAY	---
EXISTING UTILITY POLE	---
PROPOSED UTILITY POLE (BY STRATA)	---
PROPOSED UTILITY POLE (BY OTHERS)	---
PROPOSED GUY WIRE	---

#### LANDSCAPE LEGEND

20' PLANTED BUFFER	---
50' PRESERVED BUFFER	---
100' PRESERVED RPA BUFFER	---

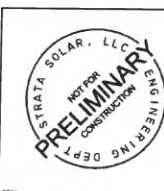
#### LANDSCAPE BUFFER DETAIL

NOT TO SCALE



#### NOTES

- PLANTING AREA WILL BE APPROXIMATELY 20' WIDE
- EVERGREENS SHALL BE PLANTED, AT A MINIMUM, ON FIFTEEN FOOT CENTERS, WITH ROWS OFFSET
- EVERGREEN TREES SHALL HAVE A MINIMUM BEGINNING PLANTING HEIGHT OF 4 FEET
- SOIL MANAGEMENT AND TREE PLANTING PRACTICES SHOULD FOLLOW ANSI A300 STANDARDS
- EVERGREEN TREES
  - MYRTICA CERIFERA (SOUTHERN WAX MYRTLE)
  - JUNIPERUS VIRGINIANA (EASTERN RED CEDAR)
  - MAGNOLIA VIRGINIANA (SWAMP MAGNOLIA)
  - ILEX ATTEJUKATA (FOSTER HOLLY)
  - ILEX X NELLIE STEVENS (NELLIE STEVENS HOLLY)
  - THUJA PLICATA 'GREEN GIANT' (GREEN GIANT ARBORVITAE)
  - ILEX OPACA (AMERICAN HOLLY)



PROJECT NAME AND ADDRESS	BOOKERS MILL SOLAR ELECTRIC POWER PLANT QUINTON OAK LN FARNHAM, VIRGINIA 22460 RICHMOND COUNTY
PROJ NO:	C-733-18-BOOK
SIZE:	24.0' x 36.0'
SCALE:	1" = 600'
DRAWING NO.	C2.01
REVISION	0