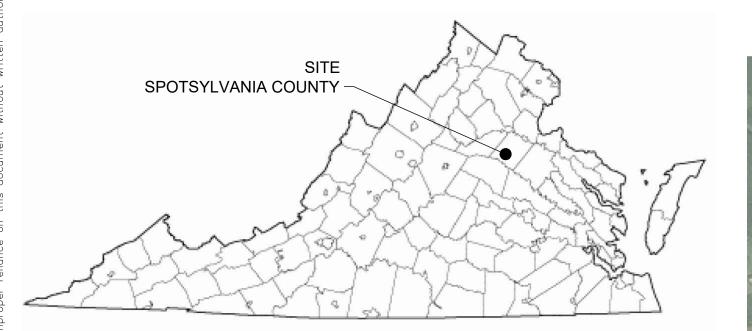
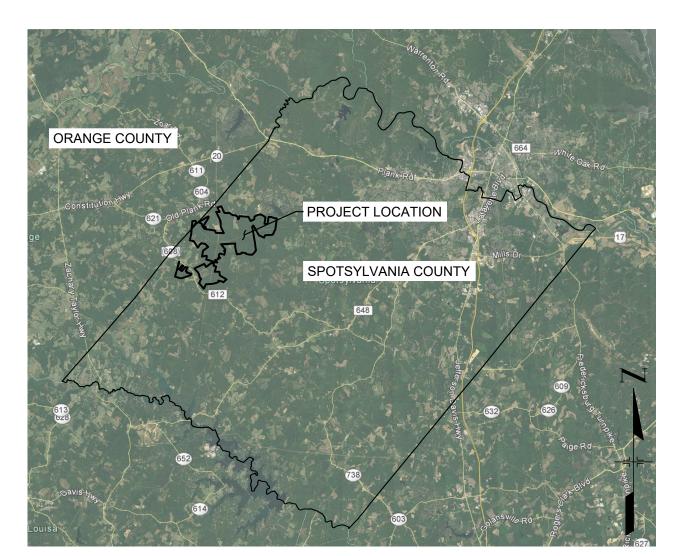
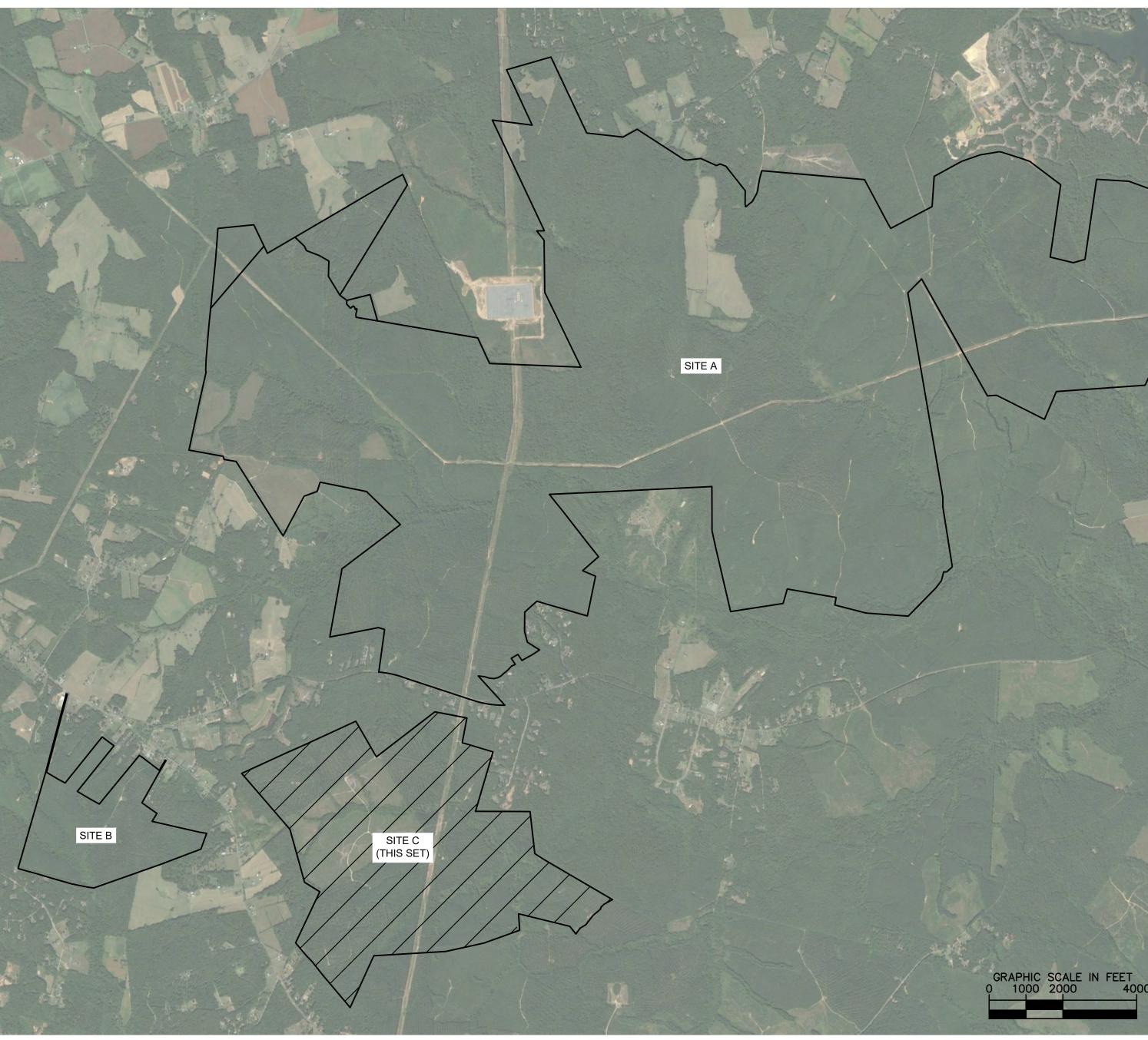
GENERALIZED DEVELOPMENT PLANS SPOTSYLVANIA SOLAR ENERGY CENTER C SPECIAL USE PERMIT - SUP 18-0003 LIVINGSTON MAGISTERIAL DISTRICT SPOTSYLVANIA COUNTY, VA





VICINITY MAP - SPOTSYLVANIA COUNTY, VA 1" = 30,000'

SPOTSYLVANIA SOLAR E	ENERGY CENTER				
OWNER	sPOWER				
EXISTING AND PROPOSED ZONING	AGRICULTURE 3 (A-3)				
EXISTING USE	SILVICULTURE				
PROPOSED USE	SOLAR ENERGY FACILITY				
TOTAL POWER TO BE GENERATED	500 MEGAWATTS AC (MWac				
OVERALL PROJECT SITE DATA:	•				
PROPERTY AREA	6,350 ACRES				
DISTURBED AREA	3,500 ACRES				
POWER GENERATED	500 MWac				
SITE A DATA:	•				
PROPERTY AREA	5,200 ACRES				
DISTURBED AREA	2,800 ACRES				
POWER GENERATED	400 MWac				
SITE B DATA:	•				
PROPERTY AREA	245 ACRES				
DISTURBED AREA	200 ACRES				
POWER GENERATED	30 MWac				
SITE C DATA:	•				
PROPERTY AREA	905 ACRES				
DISTURBED AREA	500 ACRES				
POWER GENERATED	70 MWac				



OWNER/APPLICANT

2180 SOUTH 1300 EAST, SUITE 600 SALT LAKE CITY, UT 84106 PHONE: 801-679-3513 CONTACT: DANIEL MENAHEM EMAIL: DMENAHEM@SPOWER.COM

CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC.

11400 COMMERCE PARK DRIVE, SUITE 400 RESTON, VA 20191 PHONE: 703-674-1337 CONTACT: SEAN MILLOT, P.E. EMAIL: SEAN.MILLOT@KIMLEY-HORN.COM

VICINITY MAP - PROJECT LIMITS 1" = 2,000'

Sheet List Table						
Sheet No.	Sheet Title					
C-01	GENERALIZED DEVELOPMENT PLAN COVER					
EX-3-1	GENERALIZED DEVELOPMENT PLAN					
EX-3-2	GENERALIZED DEVELOPMENT PLAN - 2					
EX-3-3	PRESERVATION AREA PLAN					
EX-3-4	LANDSCAPE AND BUFFER AREA PLAN					
EX-3-5	ACCESS ROAD SERVICE AREAS					
EX-3-6	COUNTY TRAIL OVERLAY PLAN					
CD-1	CIVIL DETAILS					
SHEETS 1-17	ALTA SURVEY					

PROJEC	T INFORMATIC	N - SITE C			
0'	WNER INFORMAT	ΓΙΟΝ			
OWNER	TAX MAP PARCEL NUMBER				
RIVEROAK TIMBERLAND IN\	43-A-3				
RIVEROAK TIMBERLAND IN\	29-A-7				
NO KNOWN AIRPORTS WITHIN 5-MILE RADIUS OF SITE C.					
CULTURAL RESOURCES					
NO KNOWN HISTORIC BUILDINGS OR FEATURES WITHIN PROXIMITY OF SITE.					
TRAFFIC INFORMATION					
 VOLUMES SUBJECT TO CHANGE BASED ON TRAFFIC IMPACT STUDY RESULTS SEE TRAFFIC IMPACT ANALYSIS AND EXHIBITS FOR ADDITIONAL TRAFFIC DISTRIBUTION AND RECOMMENDATIONS PROPOSED CONSTRUCTION TRAFFIC: 300 VEHICLES PER DAY 					
IMPERVIOUS AREAS*					
	TOTAL	AREA (SF)	AREA (AC)		
SOLAR PANEL POST** (0.11 SF EACH)	38094	4190	0.10		
INVERTER PAD (40' X 10')	22	8800	0.20		
GRAVEL DRIVES (12' WIDTH)	29336 LF	352035	8.08		
TOTAL IMPE	8.38				
TOTAL IMPER	0.92%				
*IMPERVIOUS AREAS SHOWN FOR THE SITE ARE FOR PRELIMINARY USE ONLY, NOT TO BE USED FOR DESIGN PURPOSES. **PER DEQ REGULATIONS, ONLY POLE MOUNTINGS FOR THE SOLAR PANELS ARE TO BE USED TO CALCULATE IMPERVIOUS AREA. ASSUMED SPACING OF 15' SUBJECT TO FINAL ENGINEERING.					
WAT	ER QUALITY (VR	RM)***			

WATER QUALITY (VRRM)***	
TP LOAD REDUCTION REQUIRED (LB/YR)	19.61
ACRES PLACED IN CONSERVATION AREA	224.11
***WATER QUALITY VALUES SHOWN FOR THE SITE ARE FOR PREL ONLY, NOT TO BE USED FOR DESIGN PURPOSES.	IMINARY USE

SOLID WASTE DISPOSAL CALCULATIONS FOR CONSTRUCTION FOR SITES A, B, AND C

Step 2: Determination of Minimum Storage Capacity

num Storage Container and/or Dumpster Size (With Onsite Recycle Pr

(Minimum 52)

10 1 0.5

Step 3: Identification of Collection Method

	Step 3: Ide	ntific	ation of Collection	Met	thod				Step 2: Determi
Container Type							Determinatio	on of	Minimum Storage Con
(Compactors, Roll Off, Dumpsters, Carts)	(Cubic Yards)		Number of Containers	Pi	Number of ckups Per Week	Material (Trash or Recycle)	Combined Annual		Cubic Yards Per Ton
Dumpsters	40 YD		2		1	Trash	Waste Stream		
Dumpsters	40 YD		8		2	Recycle	3.25	v	1.11
								Х	4.44
	0		ylvania County				Determina	tion	of Minimum Storage C
Non Residential Waste Generation Report The purpose of this report is to calculate the annual waste stream generated from a proposed project and to ensure adequate collection service is provided.						Combined Annual Waste Stream		Cubic Yards Per Ton	
	Step 1: Determ	inati	on of Annual Wast	e Ge	neration		3.25	x	4.44
"Annual Waste Ge	g occupied by each use. M eneration Rate" column, an ual Tonnage" column and	d the	n list the value in "A	nnua	al Tonnage" colum	n. Add all values in		with	provided at the collecti 1/2 of the total capacity
	Floor Area		Generation Rate		Appual Wasta	Generation Rate			Step 3: Ide
Building Use	(square feet)		(tons/sq ft)			ons)	Container Typ		Size
Office	2500	X	0.0013	=		3.25	(Compactors, Ro Off,	on	(Cubic Yards)
		Х	0.0016			0	Dumpsters, Car	ts)	(cubic rulus)
Industrial				-		0	Dumpster		10
Industrial Food/Retail		X	0.0057	-					
		X X	0.0057	=		0	Dumpotor		
Food/Retail Public Facility				-			Dumpotor		
Food/Retail		X	0.00105	=		0	Bumpour		

