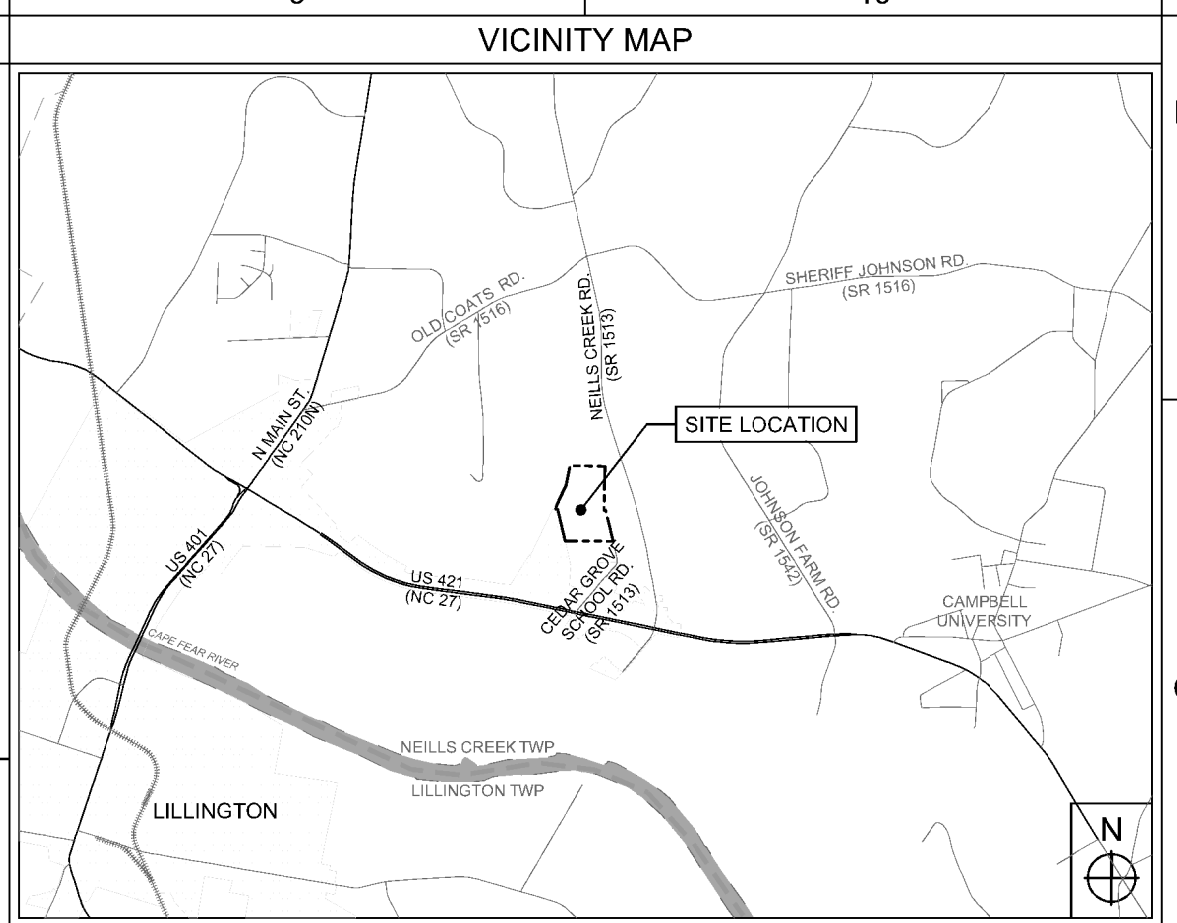


- ### GENERAL SITE REFERENCES
1. ALL EXISTING SITE FEATURES, BOUNDARIES, AND TOPOGRAPHY CONTAINED WITHIN THE LIMIT OF THE PROPERTY BOUNDARY AS SHOWN HEREIN, WAS OBTAINED FROM AN ALTA/SPLS LAND TITLE SURVEY OF THE CLOVELLY SOLAR, LLC SITE IN THE TOWNSHIP OF NEILLS CREEK, HARNETT COUNTY, NORTH CAROLINA, PREPARED BY SACKS SURVEYING & MAPPING, P.C., DATED JUNE 23, 2017.
 2. ALL TOPOGRAPHY SHOWN HEREIN OUTSIDE THE PROPERTY BOUNDARIES WAS OBTAINED FROM LIDAR DATA PROVIDED BY THE NC FLOOD MAPPING PROGRAM (WWW.FLOODMAPS.COM). LIDAR CONTOUR INFORMATION PROVIDED WAS BASED ON A VERTICAL DATUM OF NAVD83, AND GENERATED FROM THE 20-FOOT LIDAR DEM. CONTOURS SHOWN ARE AT AN INTERVAL OF 2-FOOT.
 3. THE LIMITS OF DISTURBANCE (LOD) OF THE PROPERTY SHOWN HEREON FALLS WITHIN THE FLOOD HAZARD AREA ZONE X (MINIMAL FLOOD RISK) PER FEMA FIRM MAP NO. 372060600J, PANEL 0660, EFFECTIVE DATE 10/03/2006.
 4. ZONING INFORMATION OBTAINED FROM CLOVELLY SOLAR, LLC - ZONING SITE PLAN, PREPARED BY CYPRESS CREEK RENEWABLES, DATED 05/09/2016.
 5. NOTIFICATION OF JURISDICTIONAL DETERMINATION PROVIDED BY U.S. ARMY CORPS OF ENGINEERS (USACE), WILMINGTON DISTRICT, DATED 10/19/16.
 6. PHASE 1 ENVIRONMENTAL SITE ASSESSMENT, PREPARED BY PILOT ENVIRONMENTAL, INC., KERNERSVILLE, NC, DATED 05/09/16.
 7. WETLAND DELINEATION, PREPARED BY PILOT ENVIRONMENTAL, INC., KERNERSVILLE, NC, DATED 08/13/16. JURISDICTIONAL FEATURES INCLUDE PERENNIAL STREAMS AND WETLANDS. (SEE JURISDICTIONAL CALLOUTS, THIS SHEET)



SITE DATA

PIN #	DB/PG	ZONED	OWNER	OWNER ADDRESS
0650-77-2173	1047 / 439	RA-30	DOROTHY B. PAGE	1955 NEILLS CREEK RD.
0650-76-3960	3467 / 438	RA-30	DOROTHY B. PAGE	LILLINGTON, NC 27546
0650-76-3657	3467 / 438	RA-30	DOROTHY B. PAGE	
0650-76-3176	3146 / 128	RA-20M	LEWIS DAVID JOHNSON, JR. & JONATHAN MURRAY JOHNSON	4005 DAYTONA DR. FAYETTEVILLE, NC 28311

SITE ADDRESS	LAT/LONG	JURISDICTION	WATERSHED	RIVER BASIN
NEILLS CREEK ROAD NEILLS CREEK TWP, HARNETT CO., NC	35.4168 -77.8739	HARNETT CO.	DRY CREEK	CAPE FEAR

CURRENT LAND USE	PROPOSED USE	DISTURBED AREA	ZONING	LEASE AREA
AGRICULTURAL	SOLAR ENERGY	47.2 AC	RIO-CD	± 49 AC

PER BA-CU-14-16 CUP APPROVED 08-09-15	REQUIRED	SELF IMPOSED
MIN. FRONT YARD	35 FT (FROM R/W)	N/A
MIN. SIDE YARD	25 FT	N/A
MIN. REAR YARD	25 FT	N/A

- ### GENERAL SITE NOTES
1. ALL RIGHT-OF-WAYS ARE PUBLIC, UNLESS NOTED OTHERWISE.
 2. 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.
 3. A SEDIMENTATION & EROSION CONTROL PERMIT WILL BE OBTAINED FROM NCDQEP.
 4. A DRIVEWAY PERMIT WILL BE APPROVED BY NCDOT PRIOR TO BEGINNING CONSTRUCTION. FINAL DRIVEWAY LOCATION(S) & REQUIREMENTS ARE SUBJECT TO PERMIT REVIEW AND APPROVAL.
 5. PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED AND GRUBBED 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. CONSTRUCTION STAGING AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH LOGGING MATS (WHICH WILL BE REMOVED FOLLOWING CONSTRUCTION) OR GRAVEL WHICH WILL REMAIN AFTER CONSTRUCTION. SOIL CONDITIONS AND EQUIPMENT LOADS WILL DETERMINE FINAL DESIGN.
 6. ACCESS AISLES SHOWN ON THIS PLAN INDICATE CONSTRUCTION AND MAINTENANCE ACCESS POINTS FOR INGRESS/EGRESS, PRIOR TO CONSTRUCTION, THESE AISLES ARE COMPACTED BY A SMOOTH DRUM OR SHEEPSFOOT ROLLERS TO REDUCE PRELIMINARY RUTTING. SOIL ACCESS ISLES WILL BE SCARIFIED, AERATED, AND RE-SEED AFTER CONSTRUCTION. ACCESS ISLES TO INVERTERS MAY REQUIRE GRAVEL TO SUPPORT DELIVERY EQUIPMENT LOADS. FIRE MARSHALL MAY REQUIRE 20' GRAVEL DRIVE AROUND PERIMETER OF FENCED ARRAY AREA AFTER REVIEWING FINAL CONSTRUCTION DRAWINGS AND FIELD CONDITIONS. ACCESS ROADS SHALL BE CAPABLE OF SUPPORTING A VEHICLE GROSS WEIGHT OF 75,000LBS.
 7. NO PERMANENT LIGHTING IS PROPOSED FOR THIS SITE.
 8. ONLY SITE SPECIFIC SIGNAGE IS ALLOWED. PROPOSED SIGNAGE SHALL BE 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.
 9. SITE ADDRESS NUMBER SHALL BE ON A SIGN AT LEAST 12" IN HEIGHT, IN A COLOR CONTRASTING WITH ITS BACKGROUND AND VISIBLE FROM THE ROADWAY.
 10. THE PHOTOVOLTAIC (PV) PANELS ARE TO BE LOCATED AND SITUATED SO GLARE DOES NOT CREATE A DISTRACTION OR NUISANCE TO TRAFFIC OR ADJACENT RESIDENTIAL PROPERTIES.
 11. SOLAR COMPONENTS MUST HAVE A U.L. LISTING, OR A LISTING FROM AN ALTERNATIVE TESTING AGENCY ACCEPTED BY THE LOCAL JURISDICTION HAVING AUTHORITY OVER THE PROJECT, AND MUST BE DESIGNED WITH ANTI-REFLECTIVE COATING(S).
 12. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE AND NORTH CAROLINA BUILDING CODE.
 13. NO STRUCTURE SHALL EXCEED A HEIGHT GREATER THAN FIFTEEN (15) FEET, EXCEPT FOR EXISTING POLES/OVERHEAD WIRING AND REQUIRED NEW INTERCONNECTION POLES REQUIRED BY UTILITY COMPANY AT POINT OF INTERCONNECTION. THIS IS MEASURED FROM FINISHED GRADE AT THE BASE OF THE STRUCTURE TO ITS HIGHEST POINT.
 14. THE ELECTRICAL, DISCONNECT SWITCH SHALL BE CLEARLY IDENTIFIED AND UNOBSTRUCTED AT ALL TIMES. THE OWNER MUST FILE A MAP WITH THE TOWN OF GARNER PUBLIC SAFETY DEPARTMENT DEPICTING WHERE THE DISCONNECT SWITCH IS LOCATED, AND SUPPLY ALL EMERGENCY CONTACT INFORMATION TO EMERGENCY PERSONNEL TO HAVE ON FILE.
 15. ONE KNOX BOX SHALL BE OBTAINED FOR EACH OF THE ACCESS GATES INTO EACH OF THE ARRAY AREAS. THE LOCATION OF EACH BOX SHALL BE CLEARLY IDENTIFIED AND THE KEY FOR EACH GATE BE PLACED IN THE CORRESPONDING KNOX BOX. COMBINATION LOCKS ARE NOT ALLOWED.
 16. NFPA 503.1.1 - FIRE APPARATUS ROADS SHALL EXTEND INTO EACH SOLAR INSTALLATION AREA WITH APPROVED ACCESS OF NOT LESS THAN 20 FEET BETWEEN THE FENCE AND BEGINNING OF EACH ROW OF SOLAR PANELS. THIS SHALL EXTEND FROM THE BEGINNING OF THE GATE, AROUND TO ALL FOUR (4) SIDES OF SOLAR FARM, BACK TO THE BEGINNING ENTRANCE.

LEGEND

EXISTING CONDITIONS	PROPOSED CONDITIONS
100 YR FLOODPLAIN	BASIN AREA
BUILDING SETBACK	GRAVEL ACCESS
OVERHEAD ELECTRICAL	TREELINE
TREELINE	OVERHEAD ELECTRICAL
MAJOR CONTOURS	PROPERTY LINE
MINOR CONTOURS	SECURITY FENCE
PROPERTY BOUNDARY	VEGETATIVE BUFFER
PROPERTY (ADJOINER)	EASEMENT/BUFFER OFFSET
RIGHT-OF-WAY	
DITCH/STREAM	
WETLAND	

GRAPHIC SCALE

1" = 100'

NORTH

3250 OCEAN PARK BLVD. SUITE 355 - SANTA MONICA, CA 90405
445 BUSH ST. 3RD FLOOR - CARBORO, NC 27510
600 W. WYOMING ST. - CARBORO, NC 27510
130 ROBERTS ST. - ASHEVILLE, NC 28801

PERMIT DRAWING - NOT RELEASED FOR CONSTRUCTION

CYPRESS CREEK EPC, LLC
60-A WEST MAIN STREET
CARBORO, NORTH CAROLINA 27510
(919) 240-4815 NC LICENSE: D-0383

CLOVELLY SOLAR, LLC
NEILLS CREEK ROAD
NEILLS CREEK TOWNSHIP,
HARNETT COUNTY, NC

NO.	DATE	DESCRIPTION

DATE: 07/24/17

DRAWN BY: WRB

CHECKED BY: KPB

OVERALL SITE PLAN

C3