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AUG 04 2014

Clerk's Office Southside Solar, Inc.  
N.C. Utilities Commission  
9871 Hot Springs Drive  
Huntington Beach, CA 92646

July 22, 2014

OFFICIAL COPY

RECEIVED FILING FEE \$25.00

Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Services Center  
Raleigh, NC 27699-4325

Sp-3972 Sub 0

Re: Application for Certificate of Public Convenience and Necessity by Southside Solar, Inc.

To Whom It May Concern:

This filing is an application for a certificate of public convenience and necessity according to rule R8-64. This application is for a 4.99 MW photovoltaic system and includes the original and 16 copies of the application. A copy of this application has also been provided to Progress Energy Carolinas.

Sincerely,

  
Glenn Brooks  
Special Manager

cc: Ms. Kendal Bowman,  
Assistant General Counsel  
Progress Energy Carolinas  
410 Wilmington St.  
Raleigh, NC 27601

STATE OF NORTH CAROLINA

UTILITIES COMMISSION  
RALEIGH

DOCKET NO. \_\_\_\_\_ SUB \_\_\_\_\_

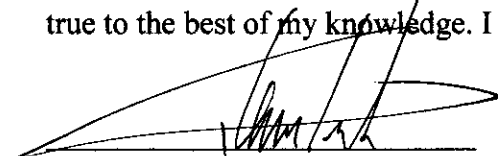
BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of Application of  
Southside Solar, Inc.  
For a Certificate of Public Convenience and  
Necessity for a Solar Photovoltaic Array

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VERIFICATION

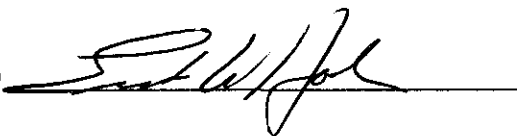
I, Glenn Brooks, of Merritt Energy Park, Inc. verify that the contents of this Application for a Certificate of Public Convenience and Necessity by Southside Solar, Inc. filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of Southside Solar, Inc.

  
Glenn Brooks, Special Manager

Sworn to and subscribed before me.

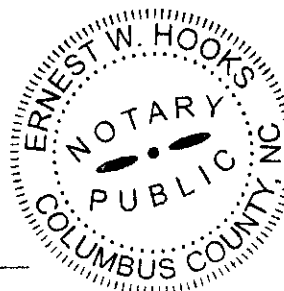
This is the 23 day of July 2014

(Signature of Notary)  
Notary Public



Printed Name of Notary Public Ernest W. Hooks

My Commission expires: 10-25-14



## **Application for Certificate of Public Convenience and Necessity for an Electric Generating Facility**

### **1. Full Name, Business Address, and Business Telephone Number of Applicant**

Southside Solar, Inc.  
Attn: Glenn Brooks, Special Manager  
9871 Hot Springs Drive  
Huntington Beach, CA 92646  
(714) 478-1053

### **2. Applicant**

Southside Solar, Inc. is a Corporation organized in North Carolina on June 25th, 2014

Glenn Brooks, Special Manager  
9871 Hot Springs Drive  
Huntington Beach, CA 92646  
[glen2ns@gmail.com](mailto:glen2ns@gmail.com)

Phone: (714) 478.1053

### **3. Nature of the generating facility including the type and source of its power or fuel**

The generating facility will be one 4.99 MW photovoltaic array. The source of its power is solar energy.

### **4. Address or location of generating facility set forth in terms of local highways, streets, river, streams, or other generally known landmarks together with a map such as a county road map with the location indicated on the map.**

1898 Merritt Road, Whiteville, North Carolina 28472.  
Parcel# 082808 in Columbus County, N.C.  
Coordinates are: 34.340545 N 78.769540W  
Location is comprised of 23.0 acres of land.  
See Attachments "A" & "B"

### **5. Owner of site, if the owner is not the applicant, and the owner's interest in the site or relation to application**

Southside Solar, Inc. will be the owner of the system and will lease the land where the system will be constructed.

### **6. A description of the buildings, structures and equipment comprising the generating facility and the manner of their operation**

The facility will consist of (23,480) 250W solar photovoltaic modules; (23,480) 240W inverters; (25) 120/208, 600A sub-service service boards; (2) 6000A main service boards; (1) 3000A main service board; (2) 6000A main AC disconnect/breakers; (1) 3000A main AC disconnect/breaker; (2) 208 - 13.5kV, 2MW GSU transformers; (1) 208 - 13.5kV, 1MW GSU transformer; (1) line recloser; (1) net metering device and (1) pole mounted Utility disconnect. The solar photovoltaic modules connect to the inverters. The inverter outputs are collected at three main service boards.

The main service boards output to three transformers. After stepping the voltage up to 13.5kV, the facility connects to the Utility lines via the line recloser and Utility disconnect.  
See Attachment "C"

**7. The projected maximum dependable capacity of facility in megawatts**

Solar is an intermittent energy source and therefore the maximum dependable capacity is 0 MW.

**8. The projected cost of the facility**

The projected cost is \$10.8MM.

**9. The projected date on which the facility will come on line:**

The PV system is projected to come on line November 2015.

**10. The applicant's general plan for sale of the electricity to be generated, including the utility to which the applicant plans to sell the electricity, any provisions for wheeling of the electricity, arrangements for firm, non-firm or emergency generation, the service life of the project, and the projected annual sales in kilowatt hours.**

The applicant plans to sell the electricity to Progress Energy Carolinas under a 15-year Power Purchase Agreement subject to the rate schedule CSP-25 (NC) Cogeneration and Small Power Producer. The service life of the equipment is expected to be a minimum of twenty years. The projected year-one-annual sales of this facility are projected to be 8,900,000 kWh

**11. A complete list of all federal and state licenses, permits and exemptions required for construction and operation of the generating facility and a statement of whether each has been obtained or applied for. A copy of those that have been obtained should be filed with the application; a copy of those that have not been obtained at the time of the application should be filed with the Commission as soon as they are obtained.**

The applicant has filed for self-certification as a Qualifying Facility under the Federal Energy Regulatory Commission. The facility will also require a Soil and Erosion permit. The Soil and Erosion permit has not been applied for or obtained as of date of this application.

# MAIN SWITCHBOARD Part "A"



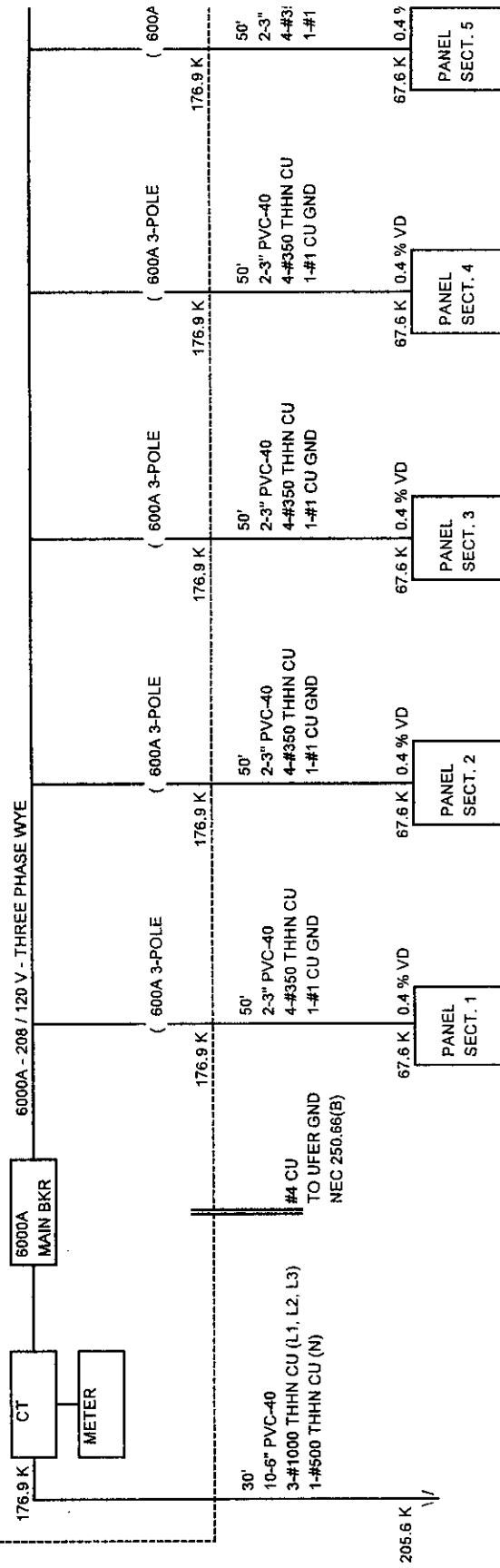


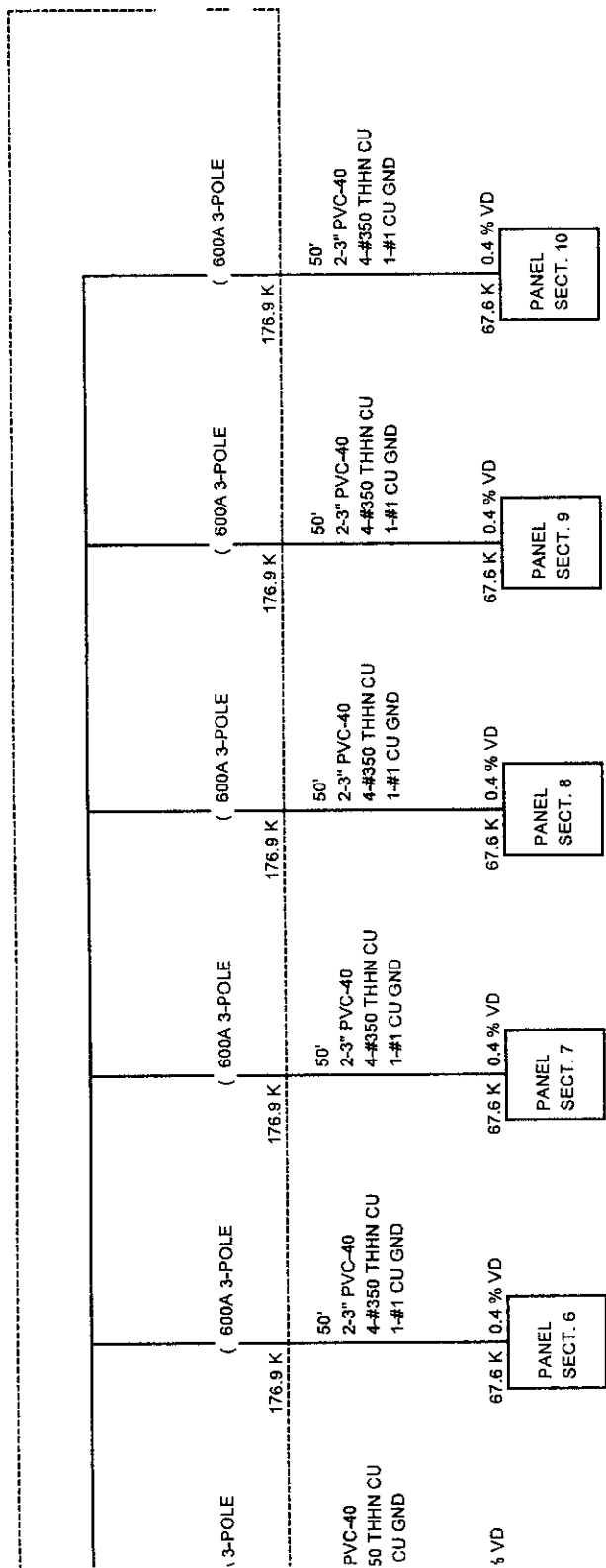
3-POLE

PVC-40  
50 THHN CU  
CU GND

6 VD

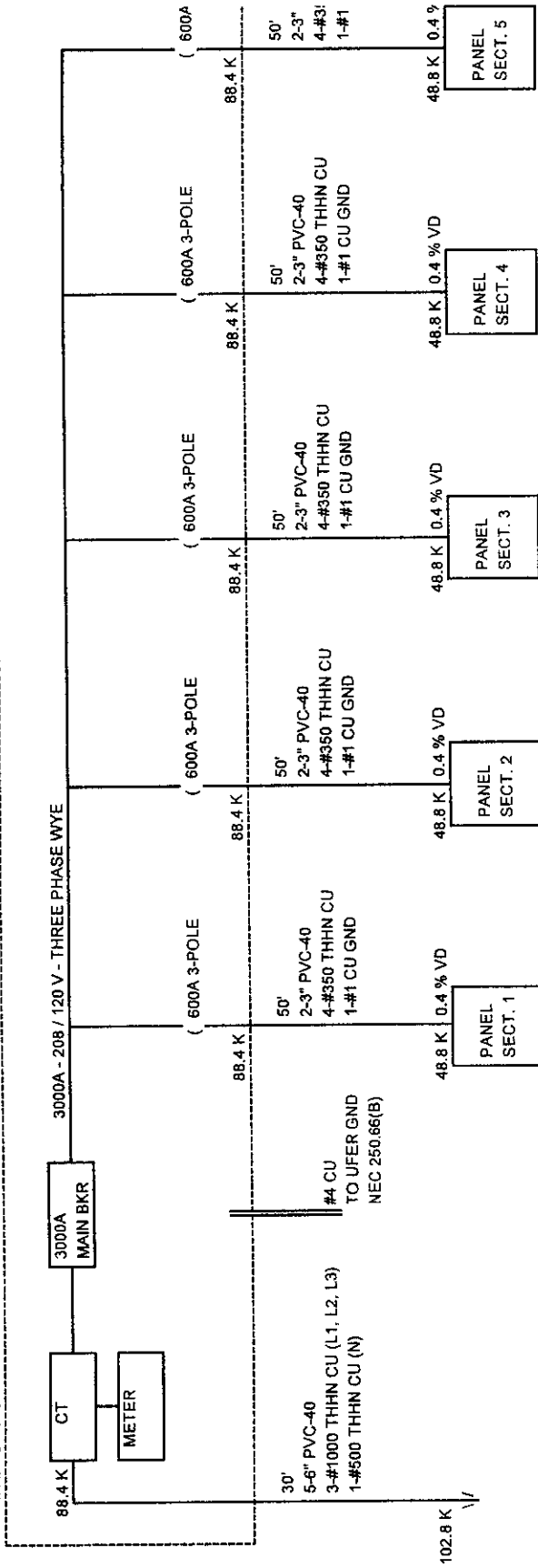
## MAIN SWITCHBOARD Part "B"

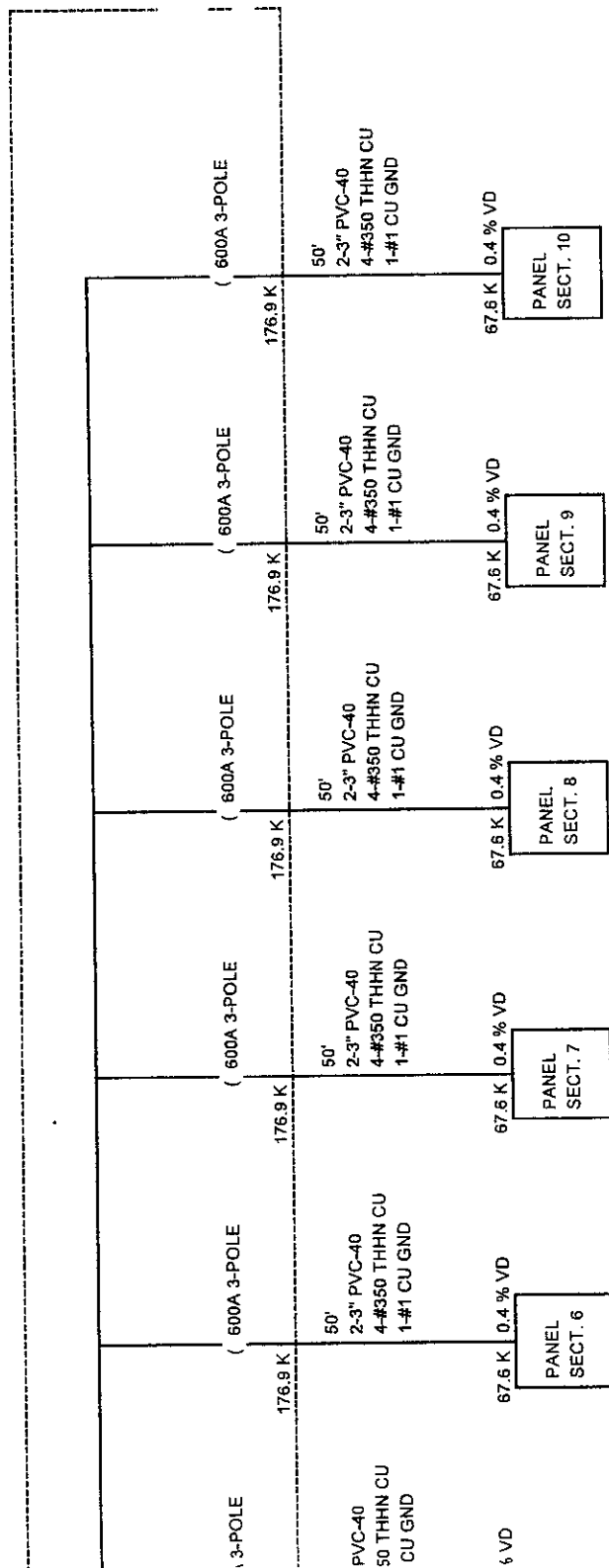






MAIN SWITCHBOARD Part "C"





1898 Merritt Rd, Whiteville, NC 28472

Explore this area





# Columbus County Land Records

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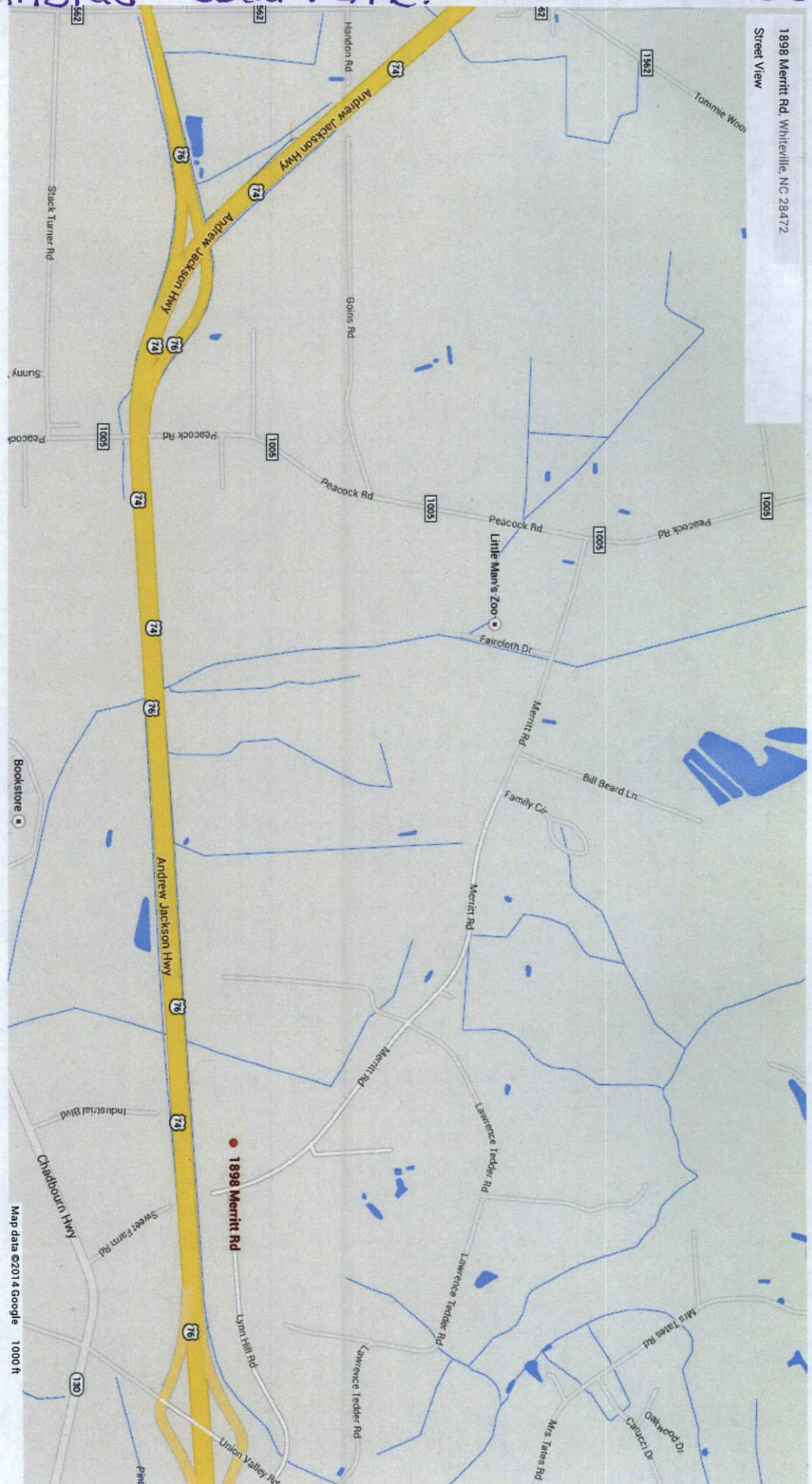
Columbus County, North Carolina - ©2014

Legend





Southside Solar, Inc. SP-3972 Sub0



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N.C. Utilities Commission

Map data ©2014 Google 1000 ft



# Columbus County Land Records

093403

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Legend

