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Haley Barnes Investments, Inc.
609 Robeson Ave.
Lake Waccamaw, NC 28450

SP-3913 SUBD
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July 2, 2014

OFFICIAL COPY

FILED

JUL 2 1 2014

Clerk's Office
N.C. Utilities Commission

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

RECEIVED FILING FEE

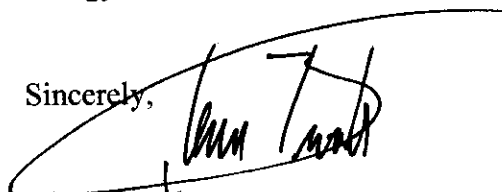
25.00
251

Re: Application for Certificate of Public Convenience and Necessity by Haley Barnes Investments, 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

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

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

Haley Barnes Investments, Inc.
Attn: Glenn Brooks, Special Manager
609 Robeson Ave.,
Lake Waccamaw, NC, 28450
haleybarnes91@gmail.com
Phone: 910.625.8186

2. Applicant

Haley Barnes Investments, Inc. is a Corporation organized in North Carolina on June 16th, 2014

Glenn Brooks, Special Manager
9871 Hot Springs Drive
Huntington Beach, CA 92646
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.

1603 Merritt Road, Whiteville, North Carolina 28472.
Parcel# 60684 in Columbus County, N.C.
Coordinates are: 34 20' 44.8"N 78 46' 12.8"W
Location is comprised of 22.0 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

Haley Barnes Investments, Inc. will lease the site from the owner. Owner's interest in the site is by relationship.

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.

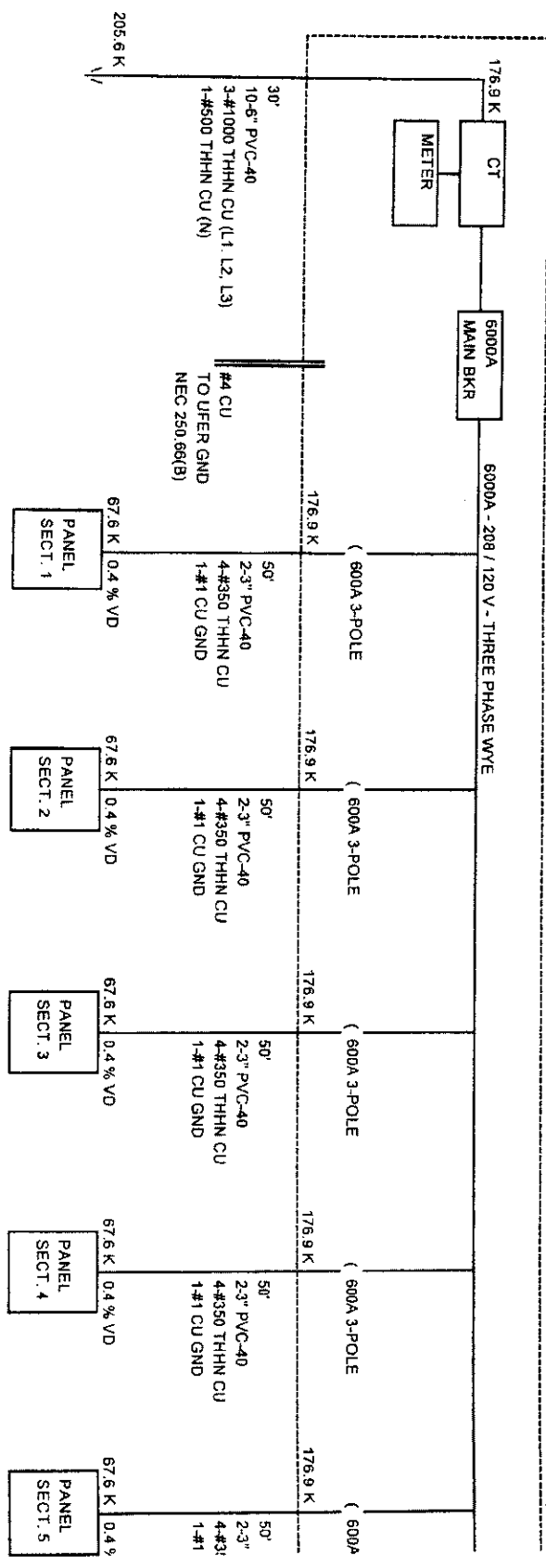
10. The applicant's general plan for sale of the electricity to be generated, including the utility to which the applicant plans to sell the electricity, any provisions for wheeling of the electricity, arrangements for firm, non-firm or emergency generation, the service life of the project, and the projected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

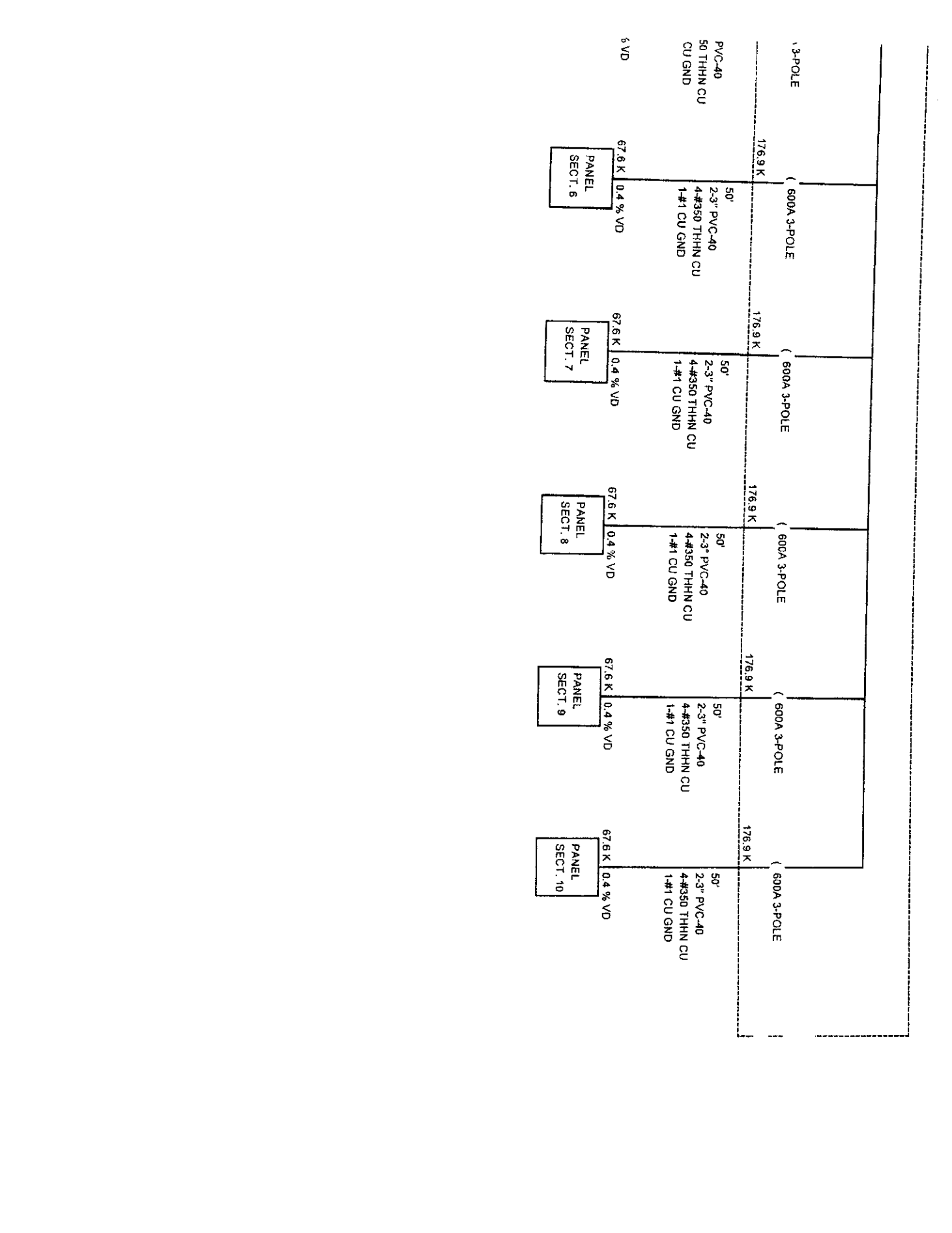
The applicant plans to sell the electricity to Progress Energy Carolinas under a 15-year Power Purchase Agreement subject to the rate schedule CSP-25 (NC) Cogeneration and Small Power Producer. The service life of the equipment is expected to be a minimum of twenty years. The projected year-one-annual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

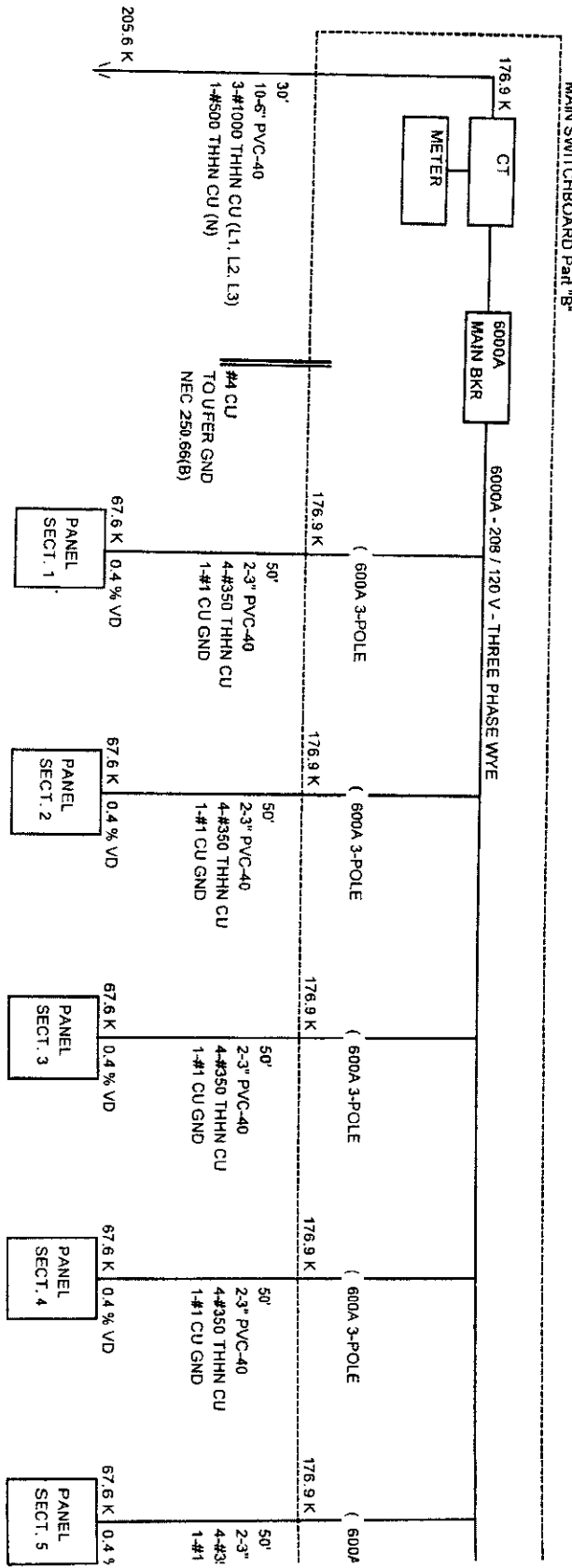
The applicant has filed for self-certification as a Qualifying Facility under the Federal Energy Regulatory Commission. The facility will also require a Soil and Erosion permit. The Soil and Erosion permit has not been applied for or obtained as of date of this application.

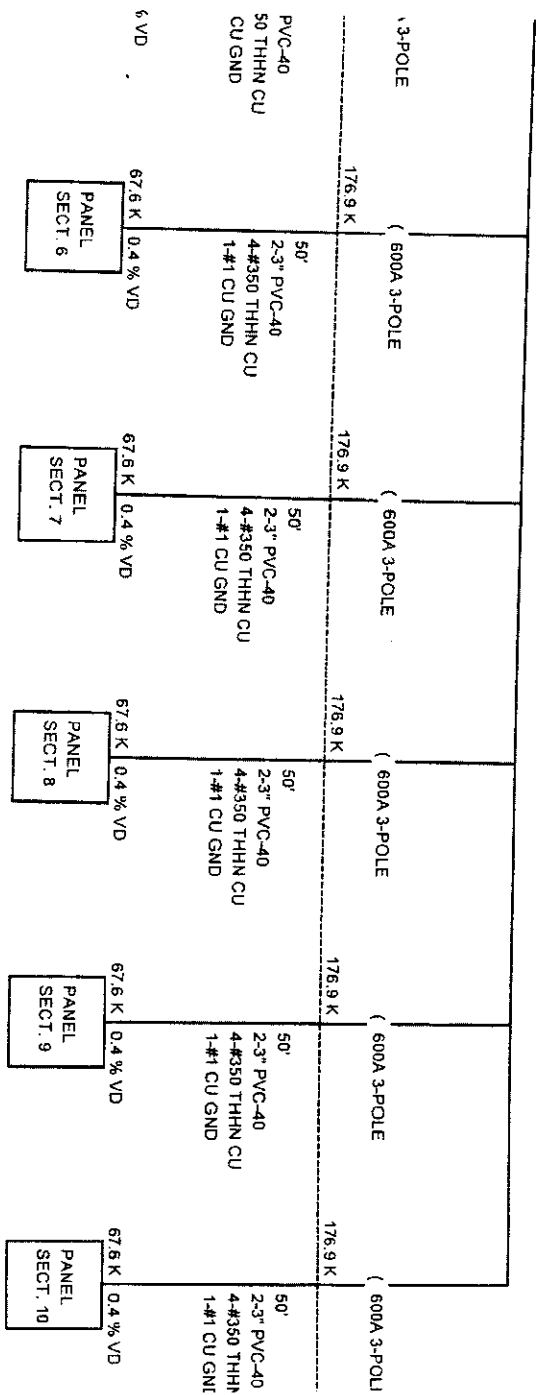
MAIN SWITCHBOARD Part "A"



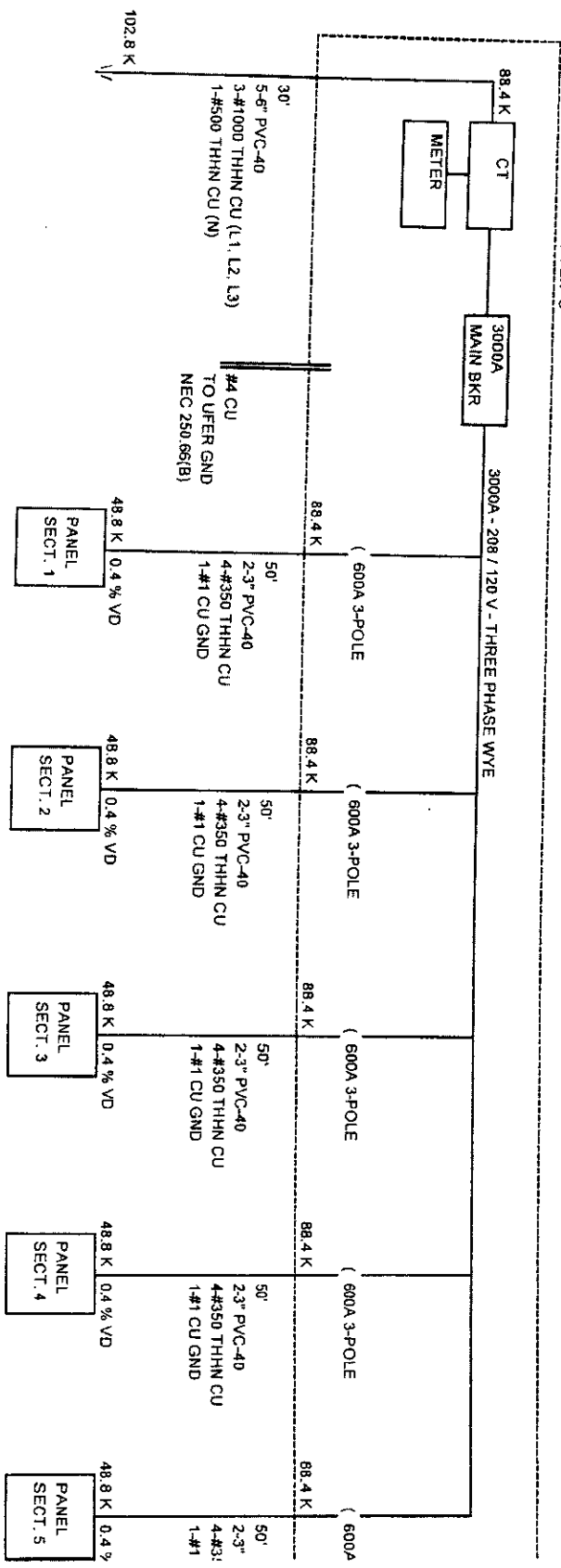


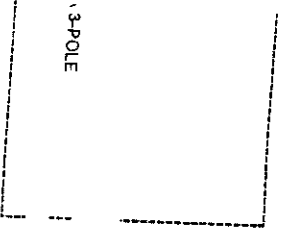
MAIN SWITCHBOARD Part "B"





MAIN SWITCHBOARD Part 'C'

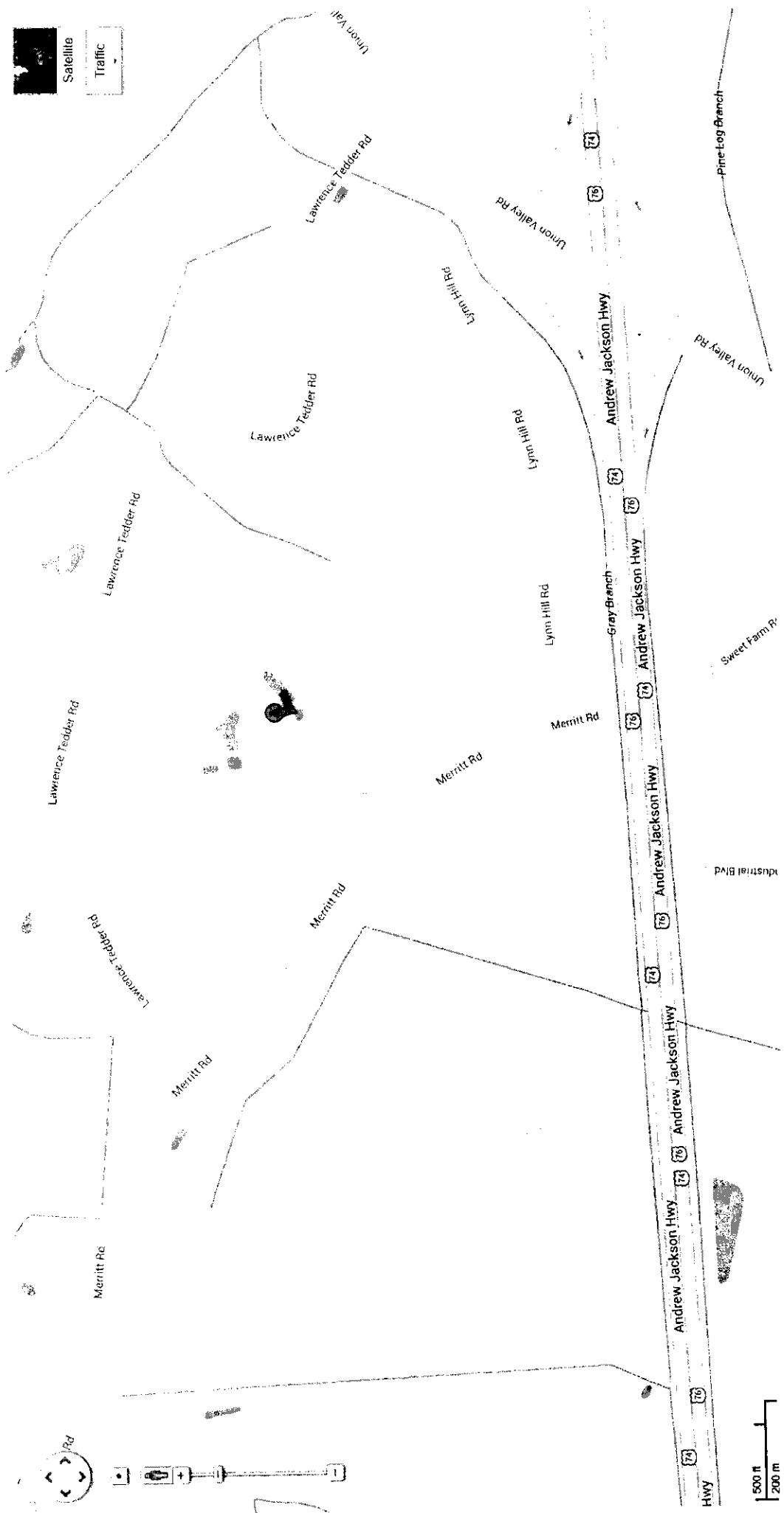




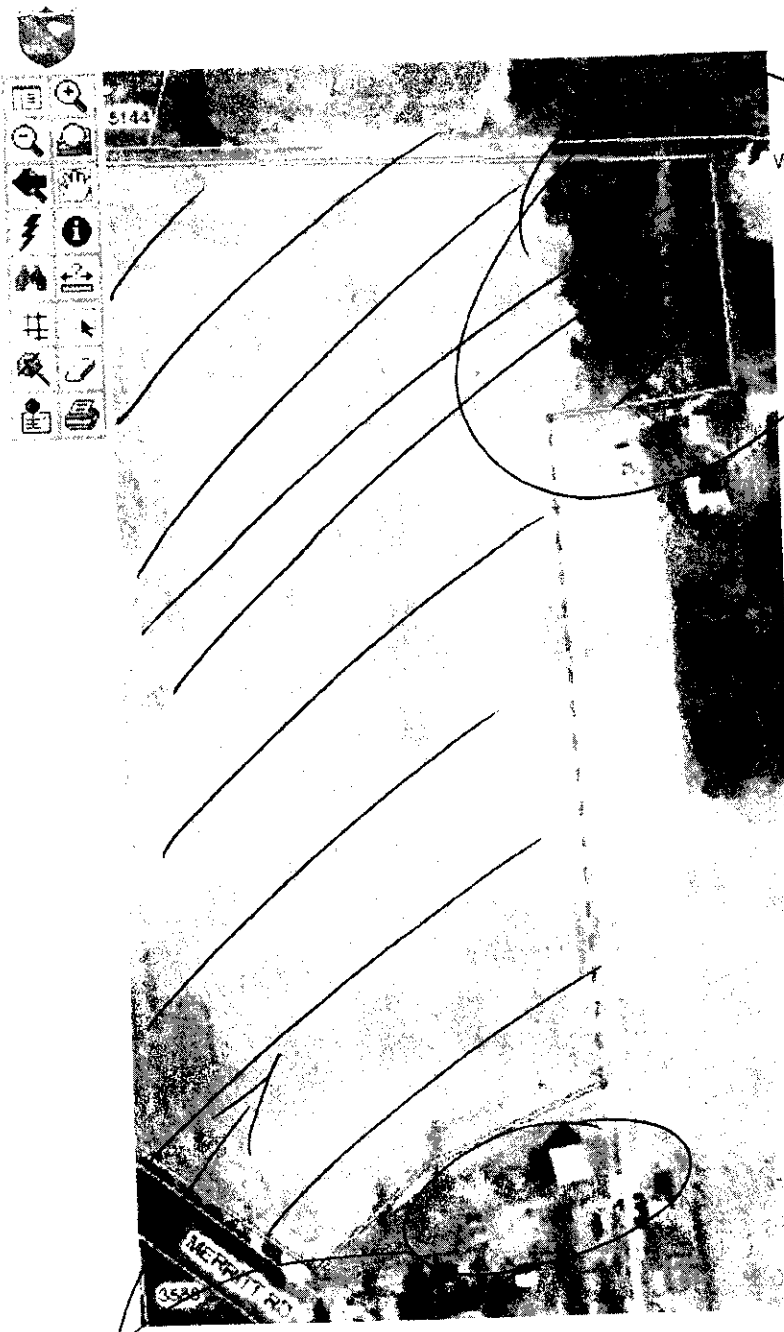
3-POLE

PVC-40
50 THHN CU
CU GND

6 VD



500 ft
200 m



Layers

- Visible Active
- ✓ Parcel
- ✓ Parcel Number
- ✓ Plat_Info
- ✓ Travel Map
- Misc Roads
- Roads
- Parcel Hooks
- Lot Lines
- Branch Names
- Addresses-Photos
- City Limits
- Sales 2014
- Sales 2008-2013
- Zoning
- School Districts
- Fire Districts
- Township
- Probation
- Community Names
- Elevation Contours
- Flood Map Index
- 2006 Flood Data
- Water Districts
- Soils
- National Wetlands Inventory
- 2010 Aerials (Close View)
- 2010 Aerials (Med View)
- 2010 Aerials (Full View)

this area in the trees is about 1 acre

*This is 13 acres including
I don't know what this is*

Auto Refresh Enabled

Parcel
Selection cleared.