

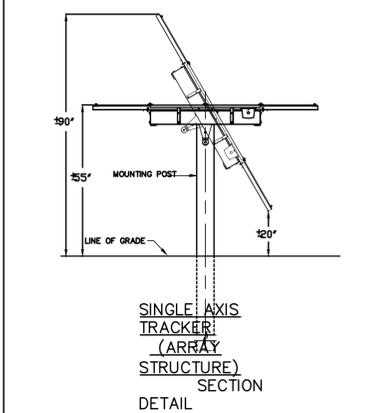
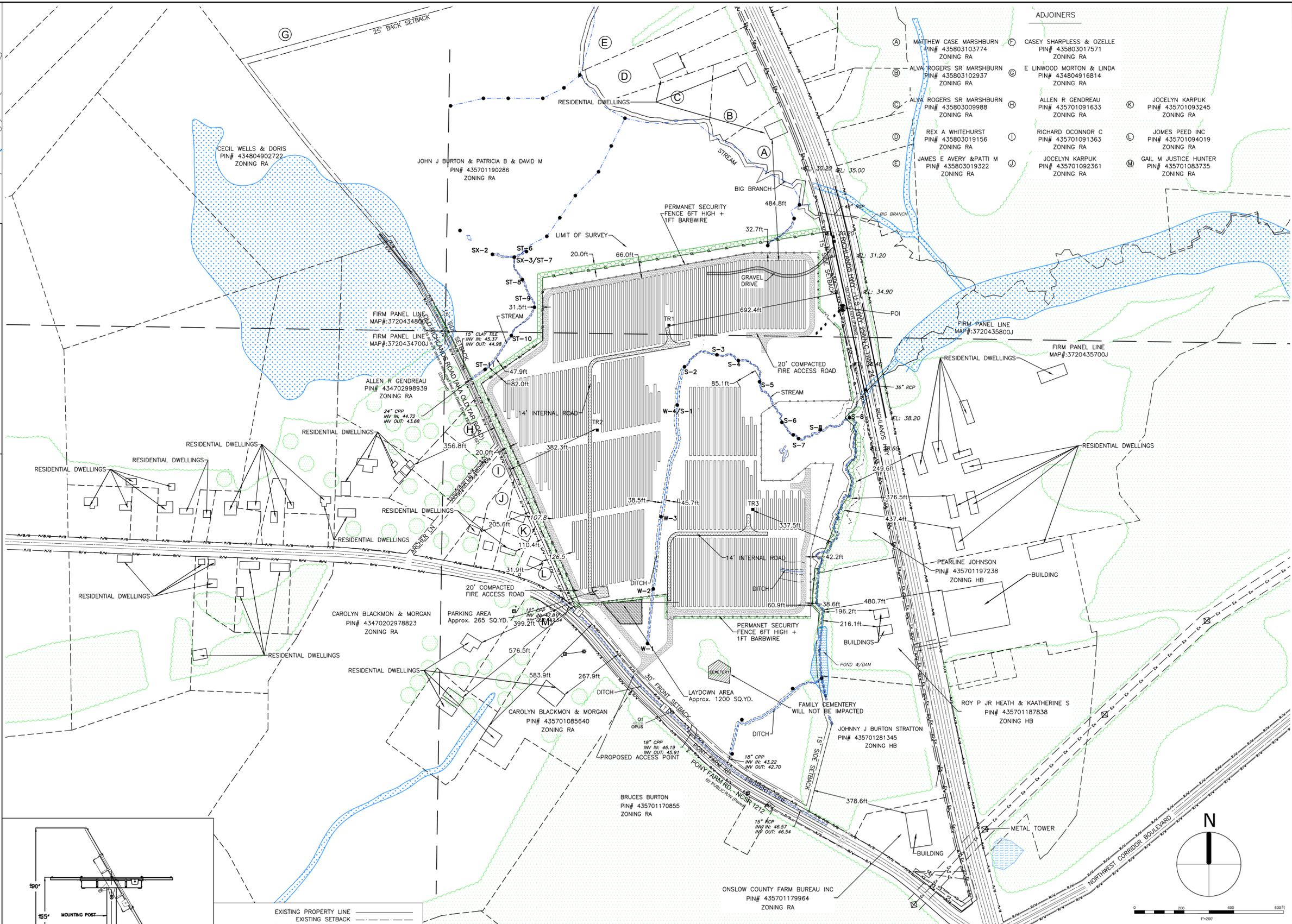
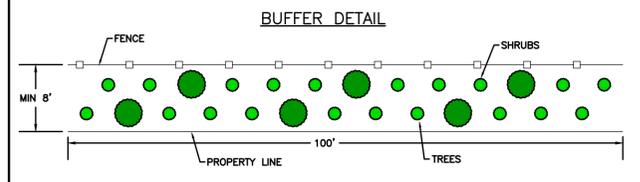
- Applicant's Information:**
 1034 Catherine Lake Solar, LLC
 1447 South Tryon St, Suite 201
 Charlotte, NC 28203
 Phone: (866) 877-0778
- Landowner Information:**
 John J. Burton & Patricia B. Burton
 624 Blawell Circle, Stedman, NC 28391
 Phone: (910) 483-4513
 David M. Burton & Joan E. Burton
 282 Shoreline Parkway, Tega Cay, SC 29708
 Phone: (803) 348-3378
- Property Information:**
 Parcel ID 435701190286
 Deed reference: BK 2569 PG 898 and BK 2569 PG 901
 Zoning Classification: RA
 Location: 1164 Pony Farm Rd, Jacksonville NC 28540
 Floodplain: Panel 4357, Effective date: 11/3/2005; and Panel 4358, Effective date: 11/3/2005

- Requirement Notes:**
 - Total property acres: ~ 93 acres
 - Development acres: ~ 36 acres
 - All streams and wetlands identified were marked by EnviroTrac.
 - Pursuant to the Zoning Ordinance of Onslow County, North Carolina, Appendix XIII., Section 1306 Ground Mounted Electricity Systems:
 - The minimum parcel line setback required for ground mounted solar electricity system equipment, excluding any security fencing, poles, and wires necessary to connect to facilities of the electric utility, is 30 feet in the front, 15 feet on the sides, and 25 feet in the rear
 - Ground-mounted electricity system equipment, excluding any security fencing, shall not be located within 100 feet of any residential dwelling unit in place at the time the system is established
 - The height of the system as measured from the highest natural grade below each solar panel shall not exceed 20 feet; any utility poles or antennas constructed for the project are excluded from this limitation
 - Pursuant to the Zoning Ordinances of Onslow County, North Carolina, Appendix Article XIII., Section 1306 Ground Mounted Electricity Systems (f) any lighting provided at the site will be shielded and downcast such that the light does not spill onto adjacent parcels or the night sky.
 - A sign with emergency contact information will be placed at the main gate or entrance.
 - Aluminum signs ("Danger-High Voltage" and "Danger-No Trespassing") will be placed on the permanent security fencing.
 - Clearing limits may change to accommodate temporary construction features, such as erosion control features.
 - No proposed lighting on site or directed onto adjacent properties.
 - Fire apparatus access to the site shall be provided per Appendix D of the North Carolina Fire Code.
 - Applicant has secured an operations and maintenance contract with a third-party to provide maintenance to the site.
 - Front entrance road capable of supporting 75,000 lb vehicle
 - Internal perimeter road capable of supporting 20,000 lb vehicle.

5) **Buffer Detail:**
 Pursuant to the Zoning Ordinances of Onslow County, North Carolina, Article XVI., Section 160 Buffer Specifications:

- A buffer that is eight (8) feet wide shall include two (2) staggered rows of evergreen plantings, to include 6 trees, 6 feet in height and 20 shrubs per 100'; or
- A twenty (20) foot wide natural wooded barrier; or

A buffer shall not be placed in the right-of-way or where it will interfere with a sight triangle. The opaque fence or wall must dampen noise and shall not permit visibility from one side to the other. It may be of decorative masonry, wood plank, or basket weave construction. Where evergreens (trees and shrubs) are used, a species as recommended by the County Agricultural Extension Agency and size no less than 3 gallon container size. The natural wooded barrier shall be undisturbed, natural low bushes, shrubs, or trees. The natural buffer must provide reasonable screening in the estimation of the Zoning Administrator.



EXISTING PROPERTY LINE	---
EXISTING SETBACK	---
ADJACENT PROPERTY LINE	---
EXISTING RIGHT OF WAY	---
PERMANENT SECURITY FENCE	---
TEMPORARY SECURITY FENCE	---
PROPOSED MV TRANSFORMER AREA	---
PROPOSED UTILITY POLE	---
EXISTING UTILITY POLE	---
PROPOSED SOLAR ARRAY	---
EXISTING OVERHEAD POWER LINE	---
CLEARING LIMIT	---
EXISTING VEGETATION	---
FRESHWATER FORESTED/SHRUB WETLAND	---
FRESHWATER POND	---
STREAM	---
EXISTING NATURAL BUFFER	---
PLANTED LANDSCAPING BUFFER	---

GreenGo Energy US, Inc.
 1447 S. Tryon St., Suite 201
 Charlotte, NC 28203
 Phone: (866) 877-0778

Reviewed by: AH

 Professional Seal

Project No: 1034	Project Name: 1034 CATHERINE LAKE SOLAR, LLC	Date: MM/DD/YYYY 04/03/2019
Property Address: 1164 Pony Farm Rd, Jacksonville NC 28540 Onslow County	Scale: 1"=200'	Format: 22x34in
Drawing Title: Zoning Site Plan	Size: 5MWac	Version: V-003
		Drawing No.: DD-002