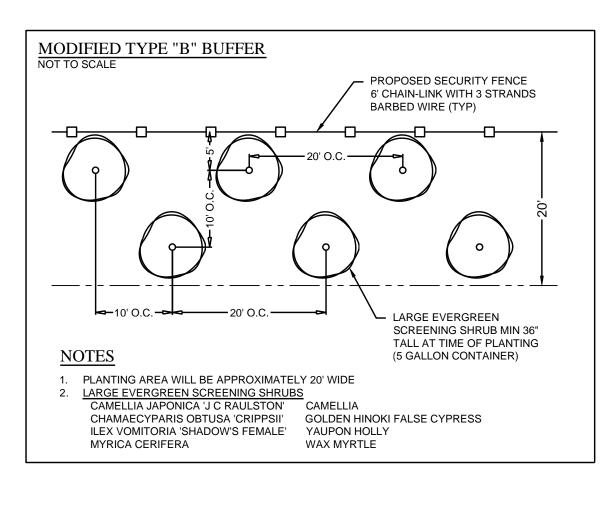


	NOTES	
	1. PROPERTY INFORMATION PIN: 9696-01-5207 (PORTION) OWNER: RUTH DEAN JONES & KAY DEAN BRAY PHYSICAL ADDRESS: 3905 CORINTH RD, MONCURE NC TOTAL PARCELS ACREAGE: 87.065 AC (DEED) PROJECT AREA: 28.32 ACRES EXIST ZONING: R-5 (RESIDENTIAL DISTRICT) RIVER BASIN: CAPE FEAR WATERSHED: WS-IV PA (NORTHEAST) RIVER CORRIDOR (SOUTHWEST) PROPOSED LAND USE: SOLAR ENERGY SYSTEM MINIMUM SETBACK REQUIREMENTS: $\frac{ZONING R-5}{FRONT 100'}$ SIDE 50' REAR 50'	
	2. THE PURPOSE OF THIS PLAN IS FOR A CONDITIONAL USE PERMIT APPLICATION FOR REVIEW AND APPROVAL BY THE CHATHAM COUNTY BOARD OF COMMISSIONERS. ALL INFORMATION SHOWN IS FOR PLANNING PURPOSES ONLY.	
	3. TOPOGRAPHIC DATA & EXISTING IMPROVEMENTS SHOWN ON THIS PLAN IS PER AN ACTUAL FIELD SURVEY PERFORMED BY STEWART-PROCTOR, PLLC ON APRIL 26, 2012.	
	 LEGAL REFERENCE: BEING A PORTION OF THAT PROPERTY DESCRIBED IN DB 671 PG 470, CAPE FEAR TOWNSHIP, CHATHAM COUNTY REGISTRY. 	
	5. ALL RIGHT-OF-WAYS ARE PUBLIC, UNLESS NOTED OTHERWISE.	
	 THE PROPERTY SHOWN HEREON <u>DOES</u> CONTAIN SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD (I.E. 100-YR. EVENT) PER FEMA FIRM MAP PANEL NO. 3710968600K AND PANEL NO. 3710969600J EFFECTIVE DATE FEBRUARY 2, 2007. 	
1016	 WATERS OF THE US SHOWN PER REPORT BY ECS CAROLINAS, LLP. AND FIELD LOCATED BY STEWART-PROCTOR, PLLC. 	
	8. UTILITY LINES AND SERVICES SHOWN HEREON ARE APPROXIMATE OR AS REPORTED BY VARIOUS RESPONSIBLE PARTIES. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED. CALL NC ONE CALL CENTER BEFORE DIGGING AT 811.	
	9. THE CONTRACTOR/OWNER SHALL BE RESPONSIBLE FOR VERIFYING ALL MINIMUM BUILDING SETBACK REQUIREMENTS WITH THE BUILDING INSPECTIONS DEPARTMENT PRIOR TO CONSTRUCTION.	
DOWN GING GING AGING JCTION	10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT RIGHT-OF-WAY. ALL METHODS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND/OR NCDOT STANDARDS & SPECIFICATIONS.	
	11. 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.	
	12. A SEDIMENT AND EROSION CONTROL PLAN WILL BE APPROVED BY CHATHAM COUNTY PRIOR TO BEGINNING CONSTRUCTION.	
	13. A DRIVEWAY PERMIT WILL BE APPROVED BY NCDOT PRIOR TO BEGINNING CONSTRUCTION.	
	14. PROJECT AREA WITHIN PROPOSED PERMANENT & TEMPORARY FENCE AND CONSTRUCTION STAGING AREAS WILL BE CLEARED AND GRUBBED, RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS (I.E. NO MASS GRADING). REMAINING PROJECT AREAS (OUTSIDE FENCE & STAGING AREAS) WILL CONSIST OF TREE CLEARING ONLY (NO GRUBBING) TO ALLEVIATE SHADING OF THE ARRAY. MINOR GRADING (APPROX. 545 SF) WILL OCCUR AROUND INVERTER AREAS TO DIVERT SURFACE DRAINAGE. CONSTRUCTION STAGING & AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH LOGGING MATS, WHICH WILL BE REMOVED FOLLOWING CONSTRUCTION. THE ONLY PERMANENT IMPERVIOUS SURFACES WILL BE THE DRIVEN RACK POSTS & TWO CONCRETE SLABS (TOTALING LESS THAN 100 SF) AT EACH INVERTER AREA.	
	15. NO LIGHTING IS PROPOSED FOR THIS SITE.	
	 ALUMINUM SIGNS ("DANGER - HIGH VOLTAGE" AND "DANGER - NO TRESPASSING") MEASURING 14" X 10" IN SIZE, WILL BE PLACED ON PERMANENT SECURITY FENCING, 	

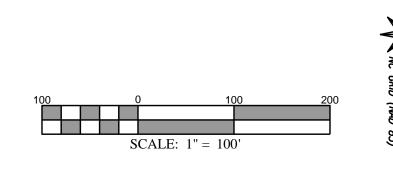
- 17. SYSTEMS, EQUIPMENT AND STRUCTURES WILL NOT EXCEED TWENTY-FIVE (25) FEET IN HEIGHT WHEN GROUND MOUNTED. EXCLUDED FROM THIS HEIGHT REQUIREMENT, HOWEVER, ARE ELECTRIC TRANSMISSION LINES AND UTILITY POLES.
- 18. NOISE LEVELS MEASURED AT THE PROPERTY LINE WILL NOT EXCEED FIFTY (50) DECIBELS WHEN LOCATED ADJACENT TO AN EXISTING RESIDENCE OR RESIDENTIAL DISTRICT.

ALTERNATING EVERY 100' AROUND THE ARRAY.

- 19. 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 ROLLER TO REDUCE/PREVENT RUTTING. LOGGING MATS MAY BE PLACED IN HIGH TRAFFIC OR POORLY DRAINING AREAS DURING CONSTRUCTION ACTIVITIES TO IMPROVE ACCESS. NO PERMANENT IMPROVEMENTS OR IMPERVIOUS SURFACES (I.E. GRAVEL OR ASPHALT) WILL BE INSTALLED IN ACCESS AISLES FOR CONSTRUCTION OR MAINTENANCE ACTIVITIES.
- 20. PROPOSED 24' ACCESS GATE (TWO 12' SECTIONS) IS 6' TALL CHAIN LINK WITH 3 STRANDS OF BARBED WIRE. GATE WILL BE LOCKED WITH STANDARD KEYED OR COMBINATION LOCK. EMERGENCY PERSONNEL (AS DESIGNATED BY NASH COUNTY) WILL BE PROVIDED A KEY OR COMBINATION FOR ACCESS.
- 21. PROPOSED TEMPORARY LAYDOWN YARD/CONSTRUCTION STAGING AREA TO BE USED DURING SITE CONSTRUCTION. A PORTION OF THIS AREA (HATCHED) WILL BE COVERED WITH LOGGING MATS TO ALLOW DELIVERY OF CONSTRUCTION MATERIALS. PRIOR TO CONSTRUCTION, THIS AREA IS COMPACTED BY A SMOOTH DRUM ROLLER TO REDUCE/PREVENT RUTTING. FOLLOWING CONSTRUCTION, THE LOGGING MATS ARE REMOVED AND THE ENTIRE AREA IS RESTORED TO PRE-CONSTRUCTION CONDITIONS.



MONCURE 09-13-2013		
INVERTER	CP750	
PANEL CELL SIZE	72	
PANEL POWER	300W	
RACK CONFIGURATION	2v19	
NUMBER OF INVERTERS	4	
RACKS REQUIRED	384	
RACKS PROVIDED	431	
TIME OF PLACEMENT	3:14 PM	
MODULE INCLINATION	20°	
AZIMUTH	178.9034°	



DEVELOPER / CONSULTANTS
MONCURE FARM SOLAR ELECTRIC POWER PLANT 3905 CORINTH RD, MONCURE, NC 27559 CHATHAM COUNTY
DATE 09/16/2013 PROJECT NUMBER C-004-12-MON PROJECT NAME MONCURE FARM SYSTEM SIZE 3.30 MWpD ENGINEER BTN CHECKER BTN DRAWN BY APL/JRB
SEAL SEAL
DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. COPYRIGHT © 2013 STRATA SOLAR, LLC.
SCALE 1" = 100'