

CP720

72

300W

2v19

420

452

3:22 PM

20°

180°

60

250W

2v14

200

199

3:22 PM

20°

180°

CATAWBA-SIGMON (2v19) 09-06-2013

CATAWBA-SIGMON (2v14) 09-06-2013

PANEL CELL SIZE

PANEL POWER

— EX. POWER POLE (TYP)

RACK CONFIGURATION

NUMBER OF INVERTERS

RACKS REQUIRED

RACKS PROVIDED

TIME OF PLACEMENT

MODULE INCLINATION

AZIMUTH

INVERTER

PANEL CELL SIZE

PANEL POWER

RACK CONFIGURATION

NUMBER OF INVERTERS

RACKS REQUIRED

RACKS PROVIDED

AZIMUTH

TIME OF PLACEMENT

MODULE INCLINATION

EXISTING PROPERTY INFORMATION

SITE ADDRESS: 2819 SIGMON DAIRY RD, NEWTON, CATAWBA COUNTY, NC RIVER BASIN: CATAWBA - CLASS "C" WATERS PROPOSED ZONING: R-80- CD MINIMUM SETBACK REQUIREMENTS

ZONING R-20 R-80-CD PROPOSED LEASE AREA: 31.00 ACRES

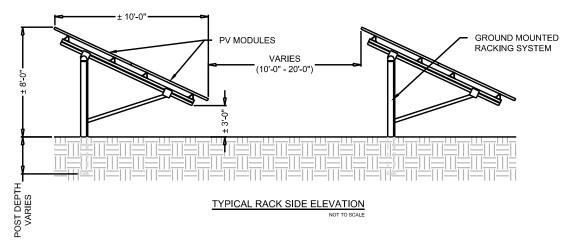
- THE PURPOSE OF THIS PLAN IS FOR A CONDITIONAL DISTRICT REZONING PLAN FOR REVIEW AND APPROVAL BY THE CATAWBA COUNTY BOARD OF COMMISSIONERS TO CONSTRUCT A SOLAR ELECTRIC POWER PLANT. ALL INFORMATION SHOWN IS FOR PLANNING PURPOSES
- TOPOGRAPHIC DATA & EXISTING IMPROVEMENTS SHOWN ON THIS PLAN IS PER AN ACTUAL FIELD SURVEY PERFORMED BY GRAY SURVEYING CO., INC.
- WATERS OF THE US SHOWN PER REPORT BY ECS CAROLINAS, LLP.
- 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. 3710363800J EFFECTIVE DATE SEPTEMBER 7, 2007.
- ALL RIGHT-OF-WAYS ARE PUBLIC, UNLESS NOTED OTHERWISE.
- PHOTOGRAPHY 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.

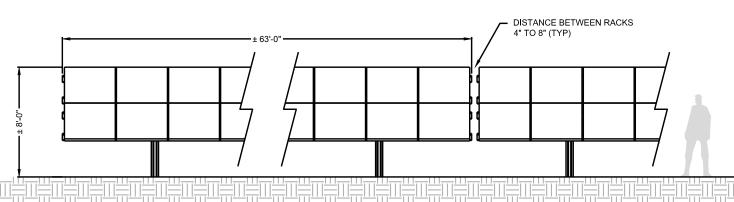
UTILITY LINES AND SERVICES SHOWN HEREON ARE APPROXIMATE PER AERIAL

- 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.
- 9. A SEDIMENT AND EROSION CONTROL PLAN WILL BE APPROVED BY CATAWBA COUNTY PRIOR
- 10. A DRIVEWAY PERMIT WILL BE APPROVED BY NCDOT PRIOR TO BEGINNING CONSTRUCTION.
- 11. PROJECT AREA WITHIN PROPOSED PERMANENT AND TEMPORARY FENCE AND CONSTRUCTION STAGING AREAS WILL BE CLEARED AND GRUBBED AS NECESSARY PROJECT AREAS (OUTSIDE FENCE AND 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 AND 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 TWO CONCRETE SLABS, TOTALING
- 12. 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.
- 13. ACCESS AISLES SHOWN ON THIS PLAN INDICATE CONSTRUCTION AND MAINTENANCE ACCESS POINTS FOR INGRESS/EGRESS. PRIOR TO CONSTRUCTION. THESE AISLES ARE COMPACTED 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
- 14. PROPOSED 24' ACCESS GATE (TWO 12' SECTIONS) IS 8' TALL CHAIN LINK WITH 3 STRANDS OF BARBED WIRE. GATE WILL BE LOCKED WITH STANDARD KEYED OR COMBINATION LOCK. EMERGENCY PERSONNEL (AS DESIGNATED BY CATAWBA COUNTY) WILL BE PROVIDED A KEY OR COMBINATION FOR ACCESS.
- 15. NO LIGHTING IS PROPOSED FOR THIS SITE.

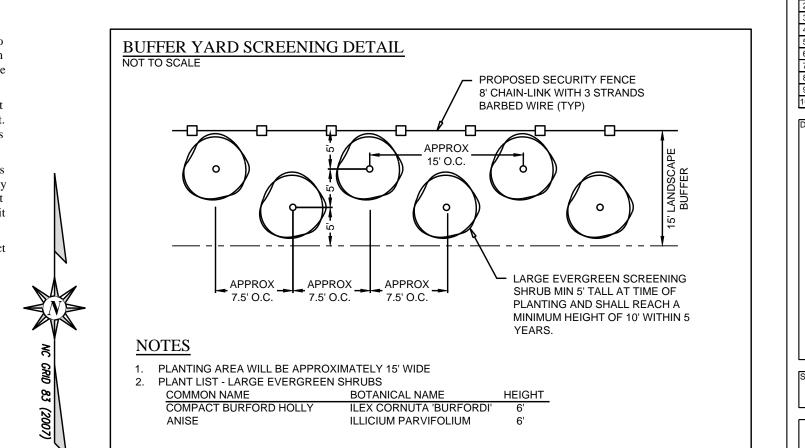
LESS THAN 100 SF AT EACH INVERTER.

- 16. ALUMINUM SIGNS ("DANGER HIGH VOLTAGE" AND "DANGER NO TRESPASSING") MEASURING 14" X 10" IN SIZE, WILL BE PLACED ON PERMANENT SECURITY FENCING, ALTERNATING EVERY
- 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.





TYPICAL RACK FRONT ELEVATION





DEVELOPER / CONSULTANTS

PROJECT NAME & ADDRESS

11/12/2013

C-076-12-SIG **SIGMON-CATAWBA** 5.060 MW-AC

> BTN BTN

APL



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CONDITIONAL DISTRICT REZONING PLAN

1" = 100'