

VICINITY MAP
(SCALE: 1" = 2,000')

LEGEND

- PL --- PL --- PL --- ADJACENT PROPERTY LINES (GIS)
- PBL --- PBL --- PBL --- PROPERTY BOUNDARY LINE (SURVEY)
- U --- U --- U --- USABLE AREA
- WET --- WET --- WET --- WETLAND BOUNDARY (GIS)
- R/W --- R/W --- R/W --- RIGHT-OF-WAY
- E --- E --- E --- EXISTING OVERHEAD UTILITY AND POLE
- T --- T --- T --- EXISTING TREE LINE
- 90 --- 90 --- 90 --- EXISTING CONTOUR MAJOR (GIS)
- 25 --- 25 --- 25 --- EXISTING CONTOUR MINOR (GIS)
- B --- B --- B --- PROPOSED 25' BUFFER
- F --- F --- F --- PROPOSED 6' CHAIN LINK FENCE
- TYP --- TYP --- TYP --- PROPOSED TREELINE
- C --- C --- C --- JURISDICTIONAL DITCH
- N --- N --- N --- NON-JURISDICTIONAL DITCH

SITE DATA

PIN #	OWNER	DB/PG	SITE ADDRESS
3321-14-2767-0000	BEARFORD, LLC BURGAW, NC	1408/148	478 OLD SAVANNAH ROAD

ZONING	PARCEL ACREAGE	CURRENT LAND USE	LEASED AREA
RA (RURAL-AGRICULTURAL)	±598.07 AC	AGRICULTURAL/WOODS	TBD

RIVER BASIN	WATERSHED
CAPE FEAR	BURDAW CREEK WATERSHED

PROPOSED USE	PRELIMINARY LEASE AREA*	PRELIMINARY DISTURBED AREA*	PRELIMINARY SOLAR ARRAY AREA*
SOLAR ENERGY SYSTEM	53 AC	46 AC	30 AC

ZONING DISTRICT	RA (RURAL AGRICULTURAL)	REQUIREMENTS	PROPOSED
SEB/CKS			
MIN. FRONT YARD		20 FT	20 FT
MIN. SIDE YARD		20 FT	20 FT
MIN. REAR YARD		20 FT	20 FT

BUFFER/SCREENING: 25' ALL SIDES VEGETATED (TYPE B)

*PRELIMINARY AREA SUBJECT TO CHANGE

AERIAL IMAGERY PROVIDED BY NC ONE MAP (2013)

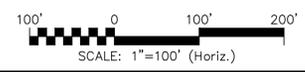
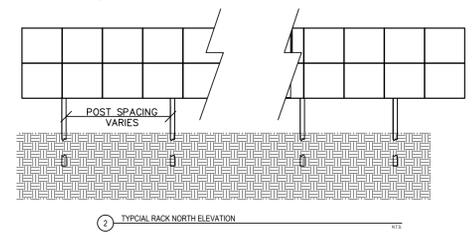
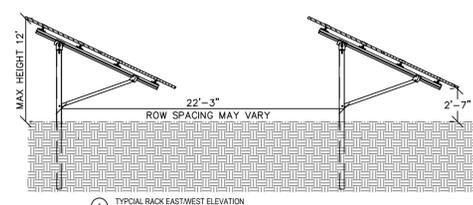
CONTOURS PROVIDED BY NCDOT LIDAR (2 FT CONTOURS)

UTILITY AND BUILDING INFORMATION FROM AERIAL IMAGERY.

APPROXIMATE SEDIMENT BASIN AREA: ±3.03 ACRES

GENERAL NOTES

- THE PURPOSE OF THIS PLAN IS FOR SITE PLAN APPROVAL FOR REVIEW AND APPROVAL TO CONSTRUCT A SOLAR ENERGY SYSTEM.
- ALL DIMENSIONS SHOWN ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
- THE PURPOSE OF THIS PLAN IS FOR REVIEW AND APPROVAL OF THE REGULATED ITEMS REQUIRED TO CONSTRUCT A SOLAR STATIC TRANSFORMER STATION, THE LOCATION OF PROPOSED IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCING, SOLAR ARRAY RACKING, INVERTERS, OVERHEAD POLES AND LINES, ETC. SHOWN IS APPROXIMATE AND MAY BE SUBJECT TO MODIFICATION DUE TO SITE CONDITIONS. ADDITIONAL PERMITTING REQUIREMENTS (NCDOT, NCDENR, USACE, ETC.) EQUIPMENT SPECIFICATIONS, AND/OR OTHER CONSTRAINTS, ANY REVISIONS WILL BE SUBMITTED FOR STAFF APPROVAL PRIOR TO CONSTRUCTION TO VERIFY COMPLIANCE WITH ZONING REQUIREMENTS AND CONDITIONS AS APPROVED.
- PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, WILL BE CLEARED AND GRUBBED AS NECESSARY, RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS (I.E. NO MASS GRADING). MINOR GRADING WILL OCCUR AROUND INVERTER AREAS TO DIRECT DRAINAGE. CONSTRUCTION STAGING AND AREAS SUBJECT TO RUTTING DURING CONSTRUCTION WILL BE TEMPORARILY STABILIZED WITH GRAVEL WHICH WILL REMAIN AFTER CONSTRUCTION. SOIL CONDITIONS AND EQUIPMENT LOADS WILL DETERMINE FINAL DESIGN.
- PROPOSED TEMPORARY LAYDOWN YARD/CONSTRUCTION STAGING AREA TO BE USED DURING SITE CONSTRUCTION. A PORTION OF THIS AREA (SEE PLAN) WILL BE STABILIZED WITH GRAVEL TO ALLOW DELIVERY OF CONSTRUCTION MATERIALS PRIOR TO CONSTRUCTION. THIS AREA WILL BE COMPACTED BY A SMOOTH DRUM OR SHEEPSFOOT ROLLER TO REDUCE/PREVENT RUTTING. FOLLOWING CONSTRUCTION, THE GRAVEL WILL BE REMOVED, AND THE AREA SCARIFIED, AERATED, AND RE-SEEDED.
- 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 OR SHEEPSFOOT ROLLER PRIOR TO REDUCE/PREVENT RUTTING. GRAVEL MAY BE PLACED IN HIGH TRAFFIC OR POORLY DRAINED AREAS DURING CONSTRUCTION ACTIVITIES TO IMPROVE ACCESS. SOIL ACCESS AISLES WILL BE SCARIFIED, AERATED, AND RE-SEEDED AFTER CONSTRUCTION. ACCESS AISLES TO INVERTERS MAY REQUIRE GRAVEL TO SUPPORT DELIVERY EQUIPMENT LOADS. SOIL CONDITIONS AND FINAL EQUIPMENT SELECTION WILL DETERMINE IF GRAVEL ACCESS AISLES WILL BE REQUIRED TO INVERTER LOCATIONS.
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING THE DEPTH OF FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGMANS AS NECESSARY WHEN CONSTRUCTION ENDANGERS EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.
- CONTRACTOR SHALL MAINTAIN ACCESS AND UTILITY SERVICES TO ALL REMAINING BUILDINGS AND ADJACENT BUILDINGS THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES.
- CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (1-800-632-4949) AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR TO CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NORTH CAROLINA ONE CALL" AND ALSO CONTRACT A PRIVATE UTILITY LOCATOR TO LOCATE ALL UNC GREENSBORO UTILITIES. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED DEMOLITION AND/OR RELOCATION (I.E. GAS, POWER, TELEPHONE, CABLE, WATER, SEWER, ETC.).
- NO FIELD SURVEY OF THE SITE HAS BEEN COMPLETED AT THIS TIME. EXISTING UTILITIES SHOWN ARE BASED ON GIS AND AERIAL IMAGERY. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
- ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. AN EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO THE SUBSTITUTION OF ALTERNATE EQUIPMENT.
- CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL UTILITIES PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.



REV. NO.	DESCRIPTION	DATE

SEAL

SEAL

MCKIM & CREED
 8020 Tower Point Drive
 Charlotte, North Carolina 28227
 Phone: (704)841-2588, Fax: (704)841-2567
 F-1222
 www.mckimcreed.com

CYPRESS CREEK
 RENEWABLES

CYPRESS CREEK RENEWABLES
 SITE PLAN
 BEARFORD II SOLAR FARM
 PENDER COUNTY, NC

DATE: 09/24/15	SCALE: 1" = 100'	MAC FILE NUMBER: CS-101
MCE PROJ. # 6838-0017	HORIZONTAL: 1" = 100'	DRAWING NUMBER: 2
DRAWN: JPM	VERTICAL: N/A	
DESIGNED: JPM		
CHECKED: DKD		
PROJ. MGR: DKD		
STATUS: PRELIMINARY	REVISION: ---	
NOT FOR CONSTRUCTION		