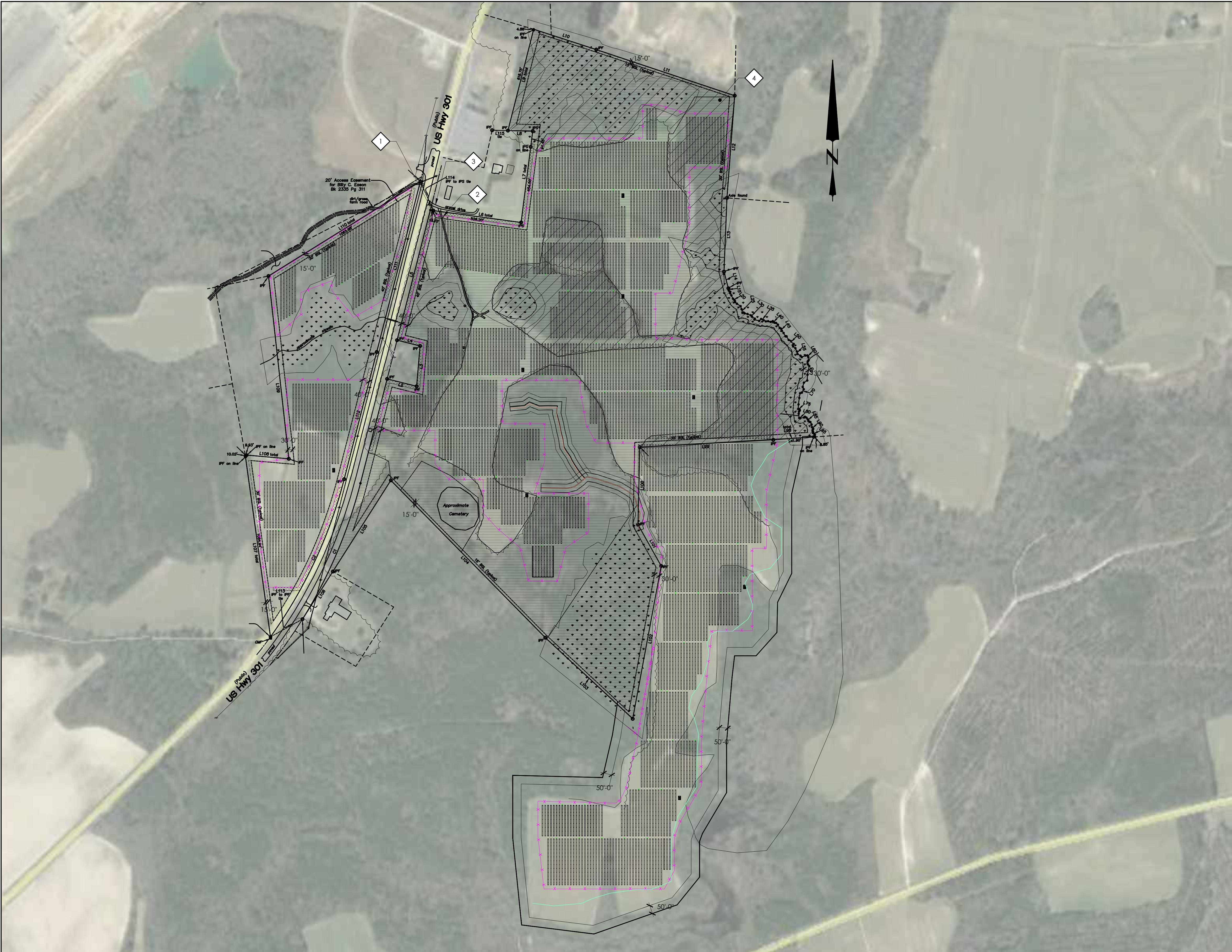
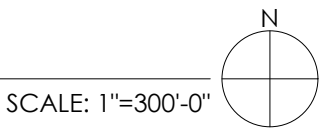




TABLES

SYSTEM	ATTACHMENT	MODULE (W)		MODULE QTY	AZIMUTH	TILT	STRINGS OF 28	POWER (kW-DC)	POWER (kW-AC)	DC:AC	INVERTER
A	SINGLE-AXIS TRACKER	TBD	360	72352	180°	-	2584	26046.72	20000.00	1.30	(8) SMA SC2750-EV



PROJECT SITE DESCRIPTION

1. TOTAL PROPERTY AREA = 231.95 ACRES
2. TOTAL FENCED AREA = 128.87 ACRES
3. NORTH 301 SECTION B PROPERTY AREA = 84.91 ACRES
4. NORTH 301 SECTION B FENCED AREA = 54.51 ACRES
5. LATITUDE = 36.211851°
6. LONGITUDE = -77.626512°
7. ELEVATION = 120 FT

PROJECT DESIGN DATA

1. DC SYSTEM SIZE = 26,046.72 kW
2. AC SYSTEM SIZE = 20,000.00 kW
3. DC:AC RATIO = 1.30
4. INTERCONNECTION VOLTAGE = 24.9 kV
5. INTERCONNECTING UTILITY:
6. DRY BULB LOW TEMP = -11 °C
7. SNOW LOAD = 15 psf
8. WIND SPEED = 93 mph
9. SEISMIC LOAD: Ss = 0.153g ; S1 = 0.062g
10. OCCUPANCY CATEGORY = I
11. WIND IMPORTANCE FACTOR = 0.87
12. PITCH = 16.89°
13. INTER-ROW SPACING = 10.47'
14. GCR = 38%

MAJOR EQUIPMENT AND QTY.

1. MODULE: (72,352) TRINA TSM-360PE14A(III), 360W
2. INVERTER: (8) SMA SC2750-EV
3. TRANSFORMER: (8) 2.75MVA, 24.9kV:660V
4. RACKING: ATI DURATRACK V3
5. EQUIPMENT S:

KEYNOTES

1. POI
2. POLE MOUNTED RECLOSER, DISCONNECT AND METER
3. SITE ACCESS
4. PREVIOUSLY APPROVED CPCN #SP-5422

LEGEND

- SOLAR MODULE
- COMBINER BOX
- EQUIPMENT PAD
INVERTER, TRANSFORMER, AND DAS
- EQUIPMENT PAD
MV SWITCHGEAR
- PROPERTY LINE
- LEASE LINE
- PROPERTY SETBACK
- EASEMENT
- 6" 3 STRAND BARBED WIRE CHAIN LINK FENCE
APPROX. LENGTH = 25,700 FT.
- 20' WIDE, 90% COMPACTED DIRT ROAD
APPROX. AREA = XXX SQ. FT.
- 20' WIDE, GRAVEL ACCESS ROAD
APPROX. AREA = 175,600 SQ. FT.
- 24' WIDE, PAVED ASPHALT ACCESS ROAD
APPROX. AREA = XXX SQ. FT.
- SILT FENCE
APPROX. LENGTH = XXX FT.
- LANDSCAPE BUFFER
APPROX. AREA = 73,100 SQ. FT.
- WATER TANK
- TREELINE
- SHADING BUFFER
APPROX. AREA = XXX SQ. FT.
- DETENTION BASIN
APPROX. VOLUME = XXX CY.

NOTES

1. THIS PLAN IS PRELIMINARY AND SUBJECT TO REVISION. NOT FOR CONSTRUCTION.
2. THIS PRELIMINARY PLAN IS BASED ON CLIENT PROVIDED INFORMATION.
3. THIS SITE NEEDS ADDITIONAL SITE SURVEYS.
4. NOTE #4
5. NOTE #5



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SITE INFORMATION

NORTH 301 SOLAR SECTION B
15921 NORTH 301
ENFIELD, NC 27823

PROJECT MANAGER

NAME
CONTACT

PROJECT ENGINEER

NAME
CONTACT

NO.	ISSUE	DATE
1.	PRELIMINARY	06.06.18
2.	CUP SECTION B	08.16.18
3.	CPCN SECTION B	09.05.18

PROJECT NUMBER

DRAWN BY _____ LR

REVIEWED BY

APPROVED BY

CLIENT SIGNATURE

SITE
IMPROVEMENTS
PLAN

DRAWING
NUMBER **PV-C1.10**

SHEET SIZE: ARCH D - 24" x 36"