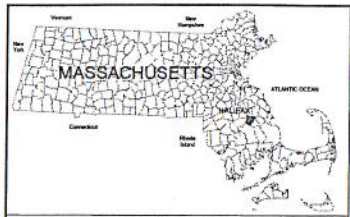
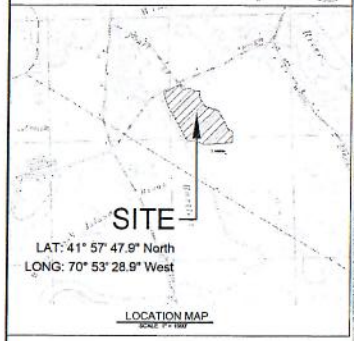




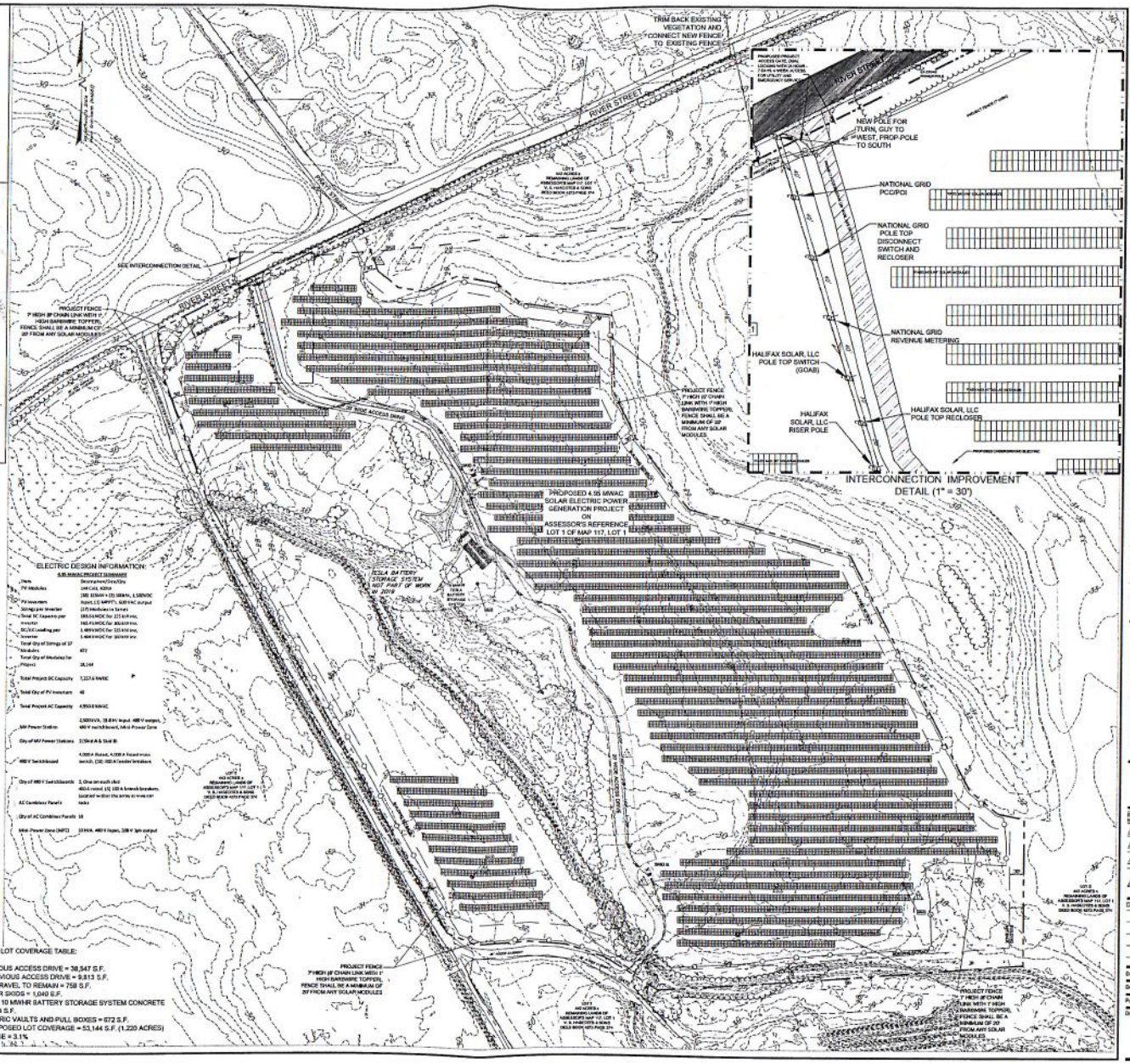
LOCATION MAP
SCALE: 1" = 1000'

NOTES:

1. ASPECTS OF PLAN ARE APPROXIMATE AND DERIVED FROM AERIAL PHOTOGRAPHY.
2. THE HORIZONTAL COORDINATE SYSTEM IS BASED ON NAD83 MASSACHUSETTS STATE PLANE (US SURVEY FEET). ELEVATIONS ARE BASED ON THE NAVD88 (US SURVEY FEET).
3. EXISTING GROUND CONTOUR ELEVATIONS ARE BASED ON CONTOUR LINES FROM STATE OF MASSACHUSETTS LIDAR MAPPING, 2 FOOT CONTOUR INTERVAL.
4. THE WETLAND LOCATIONS SHOWN WERE PROVIDED BY SILVA ENGINEERING.
5. UTILITIES ARE NOT WARRANTED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL CONTACT DIG SAFE BEFORE BEGINNING ANY EXCAVATION.
6. THIS IS IN NO WAY A BOUNDARY SURVEY. FOR ALL BOUNDARY INFORMATION SEE PLAT BY SILVA ENGINEERING ASSOCIATES, P.C. ENTITLED "PLAN OF LAND, SITE: ASSESSOR'S MAP 117, LOT 1, RIVER STREET, HALIFAX, MASSACHUSETTS, PREPARED FOR V. S. HASEOTES & SONS" DATED 1-17-18.
7. THIS IS A PRELIMINARY DESIGN PLAN. FINAL DESIGN WILL BE MODIFIED TO MATCH EQUIPMENT PURCHASED AND POSSIBLE PERMIT CONSTRAINTS REVEALED DURING PROJECT'S REVIEW.

LEGEND

- EXISTING POWER POLE / PROPOSED POLE
- EXISTING OVERHEAD POWER
- EXISTING GRADE CONTOUR LINES (10 FOOT INTERVALS)
- EXISTING GRADE CONTOUR LINES (2 FOOT INTERVALS)
- UNDERGROUND ELECTRIC AND COMMUNICATIONS ALONG AC GENERATION PATH WITH UNDERGROUND PULL BOXES
- UNDERGROUND ELECTRIC FOR AC FOR ARRAY
- GENERATION LOCATIONS - PROPOSED 166(12) kW STRING INVERTERS 48 TOTAL ON SITE
- PROJECT POWER SKID WITH INTERFACING TRANSFORMER AND 480V SWITCHGEAR
- APPROXIMATE PROPERTY LINES
- PROJECT FENCE
- PROPERTY LINES (LIMITS OF HALIFAX SOLAR PROJECT PARCEL)
- WETLANDS FROM SILVA ENGINEERING, SEE WETLAND REPORT
- TOWN OF HALIFAX WETLAND SETBACK 92' TO 100' FROM WETLAND
- TOWN OF HALIFAX "NO TOUCH" WETLAND SETBACK 0' TO 50' FROM WETLAND
- 100 YEAR FLOOD ZONE, AREAS WITHIN "ZONE A" FROM FEMA FLOOD INSURANCE RATE MAP NUMBER 25023C0309K, LAST REVISED 7-16-15
- PERMEABLE PORTION OF PROPOSED PROJECT ACCESS ROAD, SEE DETAIL ON SHEET C-104
- IMPERMEABLE PORTION OF PROPOSED PROJECT ACCESS ROAD, SEE DETAIL ON SHEET C-104
- REUSE OF EXISTING PAVED DRIVE FOR IMPERMEABLE ROAD, SEE DETAIL ON SHEET C-104
- POST CONSTRUCTION TREELINE



HALIFAX SOLAR

107 River Street
Halifax, Massachusetts

PRIME ENGINEERING
• CIVIL ENGINEERING
• LAND SURVEYING
• ENVIRONMENTAL ASSESSMENT
P.O. BOX 1080
393 BEDFORD ST.
LAKEVILLE, MA 02347
TEL: 508.947.3050
FAX: 508.947.2004

Kiniry & Lansing Consulting Engineers, Inc.
164 Main Street, Suite 201
Colchester, VT 05446
T: (802) 878-0375
F: (802) 878-0518
email@kinirysandlansing.com
KinirysandLansing.com

ISSUED FOR BUILDING PERMIT

SOURCE DATA LEGEND

MAPPING SOURCE DATA USED FOR PLAN COMPILATION

Civil Engineering:
Kiniry and Lansing Consulting Engineers, Inc.
164 Main Street, Suite 201
Colchester, Vermont 05446

Electrical AC Design:
Applied High Voltage, LLC
403 New Karner Road
Albany, New York 12205

Electrical DC Design:
Brian Browning
Solar Power Engineering
272 Spring Hollow Lane
Montpelier, Vermont 05602

PROPERTY AND ZONING INFORMATION:

ASSESSOR'S REFERENCE: LOT 1 OF MAP 117, LOT 1
LAND OWNER: V.S. HASEOTES & SONS LP, C/O GARY E. ALDEN, ESQ., PO BOX 8020, CUMBERLAND, RI 02864
DEED REFERENCE: BOOK 4213, PAGE 274 (MASTER DEED), ALSO SEE BOOK 3844, PAGE 175

PARCEL AREA = 38.1 ACRES (1,707,302 SQUARE FEET)
34.7 ACRES UPLAND, SHAPE FACTOR 301

ZONING DISTRICT: INDUSTRIAL ZONE
ZONING DISTRICT DIMENSIONAL REQUIREMENTS:
MAXIMUM COVERAGE = 33%
MINIMUM LOT AREA = 40,000 SQUARE FEET
MINIMUM FRONTAGE = 150 FEET
MINIMUM FRONT YARD SETBACK = 50 FEET
MINIMUM SIDE YARD SETBACK = 30 FEET
MINIMUM REAR YARD SETBACK = 40 FEET

0' 50' 100' 200' 300'
GRAPHIC SCALE 1" = 100'

REV. NO.	REVISIONS/COMMENTS	DATE
1	Update wetlands, add ESP, move solar modules and fence, shorten drive on south	4-5-18
2	Update solar modules, transformer pads, fence location and point of interconnection	11-7-18
3	Add turn-around for fire department north of skid B, clarify road widths	11-13-18
4	Issued for Building Permit: Changes to solar array, Note regarding battery storage system, Tesla's in N/W corner, Equipment Pads, Monitoring Wells	1-24-19

Drawing Title:

LAYOUT & MATERIALS PLAN
HALIFAX SOLAR
4.95 MWAC SOLAR ELECTRIC POWER GENERATION PROJECT

DATE of Issue: 2/22/18
Drawn by: CTG
Checked by: MJ
Project No.: 17185
SCALE 1" = 100'
Drawing No.: C-103
Rev No.: