

Town of Clifton Permit Application

Application Date: 10/23 ____/20 ____

Permit Type Requested:

☒ New Construction ☐ Expansion ☐ Accessory Building ☐ Reconstruction ☐ Earth
Moving ☐ Dock/Deck ☐ Fence ☐ Foundation ☐ Road/Driveway ☐ Other

General Information

Applicants Name: hep Clifton SPV LLC

Mailing Address: _____

57 Exchange Street Suite 100 Portland Maine 04101

Telephone Numbers:

Days: _____

Nights: _____

Cell: 207 650 4799

Is the applicant also the property owner? ☐ Yes ☒ No (if no, complete owner info below and a letter of authorization must be attached)

Owner(s) Name: Joel Butler Wolf Recycling LLC

Mailing Address: 45 Airline Road Clifton Maine 04428

Telephone Numbers:

Days: 207-517 2782

Nights: _____

Cell: 207 266 0820

Contractor Name: hep Energy USA LLC

Mailing Address: 57 Exchange Street Suite 100 Portland Maine 04101

Telephone Numbers:

Days: 207-517 2782

Nights: _____

Cell: 207-650-4799

Contractors Certified in Erosion Control Practices number

TBD

Please note: hep Energy USA will use a site contractor certified in Erosion Control Practices

Property Information

45 Airline Road Clifton Maine 04428 Town of Clifton Tax Book 12108
page 125 and Book 12912, Pages 50, Map 7 lot 2, Book 12912, Page 50, Map 7 Lot 2, containing 80 to 85 Acres

Road Number and Name: _____

Map: 7 Lot: 2 Lot Area: 80-85 ☒ acres ☐ square Feet

Zoning Districts

☐ GMA 1A (Village) ☐ GMA 2B (Enterprise) ☒ GMA 1 ☐ GMA 2 ☐ GMA 3

☐ Great Pond LR ☐ Great Pond RP ☐ Freshwater Wetlands LR ☐ Freshwater Wetlands RR

☐ Stream R

Proposed Use: We propose to utilize 20 acres of the lot for a solar farm

Lot Coverage (in percent): Present 0 % Proposed 20-25 %

Structure Setbacks (feet); None Front Line: N/A Side Line: N/A
Rear Line: N/A Normal High Water Line: N/A

Structure Dimensions L N/A W N/A Square Feet per Story N/A

Structure Height	H	<u>N/A</u>	# of Stories	<u>N/A</u>
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Proposed Project Description:

Describe your proposed activity, type of construction, vegetation removal, or proposed used.

Example: "Construction of a 2 story, 3 bedroom colonial home on a walk out basement, with a well and septic system and driveway/parking area and lawn area". **Please be thorough.**

Please see Attached documentation

Feel free to attach more information if need.

Proposed Structure Dimensions

Foundation **L** _____ **W** _____ **Sq Ft** _____

Structure **L** _____ **W** _____ **# Stories** _____ **Sq Ft** _____

Accessory **L** _____ **W** _____ **# Stories** _____ **Sq Ft** _____

I hereby certify that the above information is correct to the best of my knowledge, and that the proposed work is authorized by the owner and that I have been authorized by the owner to make this application as his authorized agent and we agree to conform to all applicable laws of this jurisdiction. I hereby agree to all inspection that the Code Enforcement Office deems necessary during reasonable hours.

Applicants Signature Thomas G Donnelly Date: 10/22/20

Owners Signature _____ Date: _____

PLOT PLAN

Please be as detailed as possible. Please include all present and proposed structures, wells, septic systems, driveways, placement of culverts, and edge of clearing. Also include setbacks of structures to each other and to lot and water lines. (See sample).

I hereby attest the above drawing and dimensions are correct to the best of my knowledge.

Applicant's Signature: Thomas G Donnelly

Date: 10/22/20

Owner's Signature: _____

Date: _____

Erosion Control Plan

Before any soil is disturbed, I will properly install and maintain an erosion control barrier. This barrier will be adequate to prevent soil erosion that may take place due to the construction project. The barrier shall remain in place until construction is complete and any disturbed area is re-vegetated and stabilized.

will Mark

I have marked clearing limits on the site to keep equipment out of areas with in setbacks.

I will preserve buffers between the work area and any downstream surface water and wetlands.

By signing this form, I agree to follow all erosion control measures and Best Management Practices as defined by the Department of Environmental Protection.

Applicant's Signature: Thomas G Donnelly

Date: 10/22/2020

Owner's Signature: _____

Date: _____

Checklist:

Check all that apply:

Check off for all Project where Applicable:

<input type="checkbox"/> Code Enforcement Approval	<input type="checkbox"/> Complete Application
<input type="checkbox"/> Planning Board Approval	<input type="checkbox"/> Paid appropriate Fee
<input type="checkbox"/> Board of Appeals Approval	<input type="checkbox"/> Lot Area
<input type="checkbox"/> Flood Hazard Development Permit	<input type="checkbox"/> % Lot Coverage
<input type="checkbox"/> HHE-200 Permit	<input type="checkbox"/> Height of Structure
<input type="checkbox"/> Internal Plumbing Permit	<input type="checkbox"/> Setbacks from water lines
<input type="checkbox"/> DEP Permit (Site, Storm, NRPA)	<input type="checkbox"/> Setbacks from parcel lines
<input type="checkbox"/> Army Corps of Engineers Permit	<input type="checkbox"/> Expansion calculations for non-conforming structures
<input type="checkbox"/>	<input type="checkbox"/> Planting Plan for Special Expansion Allowance
<input type="checkbox"/>	<input type="checkbox"/> Copy of Right, Title or Interest and/or Deed
<input type="checkbox"/> Construction Plans	<input type="checkbox"/> Elevation of the lowest floor
<input type="checkbox"/> Culvert	<input type="checkbox"/> Soil Erosion Control Plan

Inspections:

Completed?

Notes:

<input type="checkbox"/> Prior to Clearing and Excavation	
<input type="checkbox"/> Foundation	
<input type="checkbox"/> Prior to Landscaping	
<input type="checkbox"/> Prior to Occupancy	

Approval or Denial of Application

Permit Fee: _____

Permit #: _____

Date: _____

This Application is: ☐ Approved ☐ Denied

If approved, the following conditions apply:

If denied, reasons for denial:

Code Enforcement Officer

Date



Letter of Authorization

Date: October 20, 2020

To: Code Enforcement Officer Town of Clifton Maine

**RE: Building permit Application for Solar Array at 45 Airline Road Clifton Maine
04943**

I, Joel Butler and Wolf Recycling LLC, owner of 45 Airline Road Clifton Maine Tax Book 12108, Page 125 and Book 12912 Pages 50, Map 7 Lot 2, Book 12912, Page 50, Map 7 Lot 2, containing 80 to 85 acres, state that hep Energy USA Project Development LLC and its subsidiary hep Clifton SPV LLC is duly authorized to engineer, construct and apply for all necessary permits to complete a solar array on my property.

Signed _____

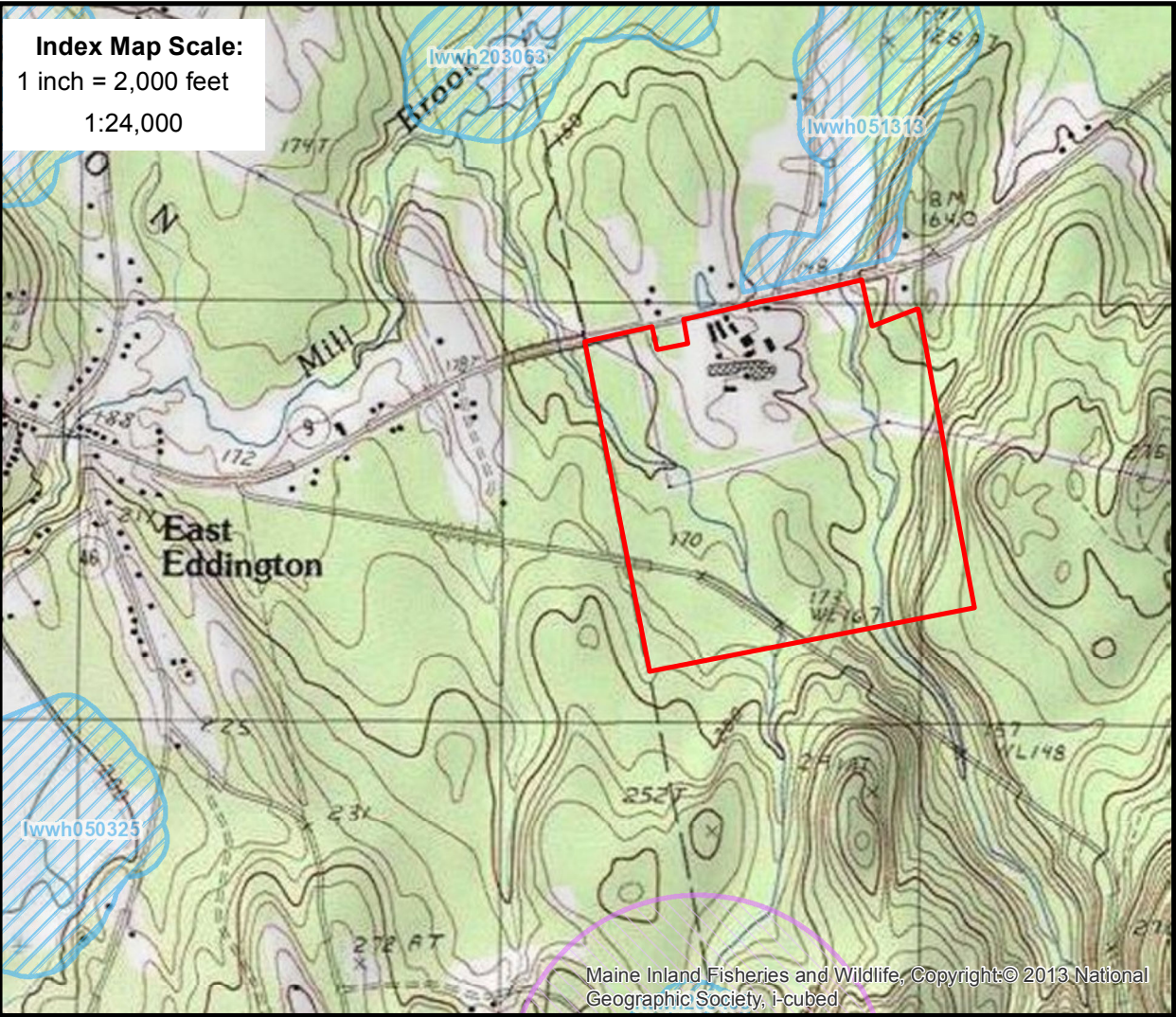
Joel Butler



Solar Project at 45 Airline road Clifton Maine 04428
Proposed Schedule of Impervious Area

1. Racking Posts
 - a. 3" diameter = 0.049087 sq ft each
 - b. 4 posts per 18 panels (2x9 racking)
 - c. $[(15,078 \text{ panels} / 18 \text{ panels}) * 4 \text{ posts}] = 3,350 \text{ posts}$
 - d. **Total of 164.441 square feet**
2. Access Road
 - a. 20' wide
 - b. 1200' long (+/- TBD)
 - c. **Total of 24,000 square feet**
3. Telephone Poles
 - a. Pole 1 (CMP Metering Pole) * 1.118 square feet
 - b. Pole 2 (CMP Switch Pole) * 1.118 square feet
 - c. Pole 3 (hep Recloser) * 1.118 square feet
 - d. Pole 4 (hep Riser Pole) * 1.118 square feet
 - e. **Total of 4.473 square feet**
4. Transformer pads
 - a. Grounding transformer & Transfer #1 = $54.36 + 11.25 = 65.61$ square feet
 - b. Transformer #2 = $76'' * 103'' = 54.36$ square feet
 - c. Transformer #3 = $76'' * 103'' = 54.36$ square feet
 - d. **Total of 174.33 square feet**
5. Fence Posts
 - a. $3,935 \text{ linear feet of fencing} / 12' \text{ spacing} = 328 \text{ posts}$
 - b. 2" diameter = $.021817 \text{ sq ft} * 328 \text{ posts}$
 - c. **Total of 7.155 square feet**

Total impervious square footage is 24,350.00 square feet, or 0.558 acres.



Legend

HEP MAP 7 LOT 2 (TAX PARCEL)

Tax Parcel Data

NRCS Hydric Soils

Maine_elevation_contours_2_feet

World Boundaries and Places

Essential Habitats

Roseate Tern Essential Habitat

Piping Plover and Least Tern Essential Habitat

Natural Resource Protection Act Habitats

Deer Wintering Areas

Seabird Nesting Islands

Shorebird Areas

Inland Waterfowl and Wading Bird Habitat

Tidal Waterfowl and Wading Bird Habitat

Significant Vernal Pools

Endangered Threatened and Special Concern Wildlife

Endangered and Threatened Fish

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

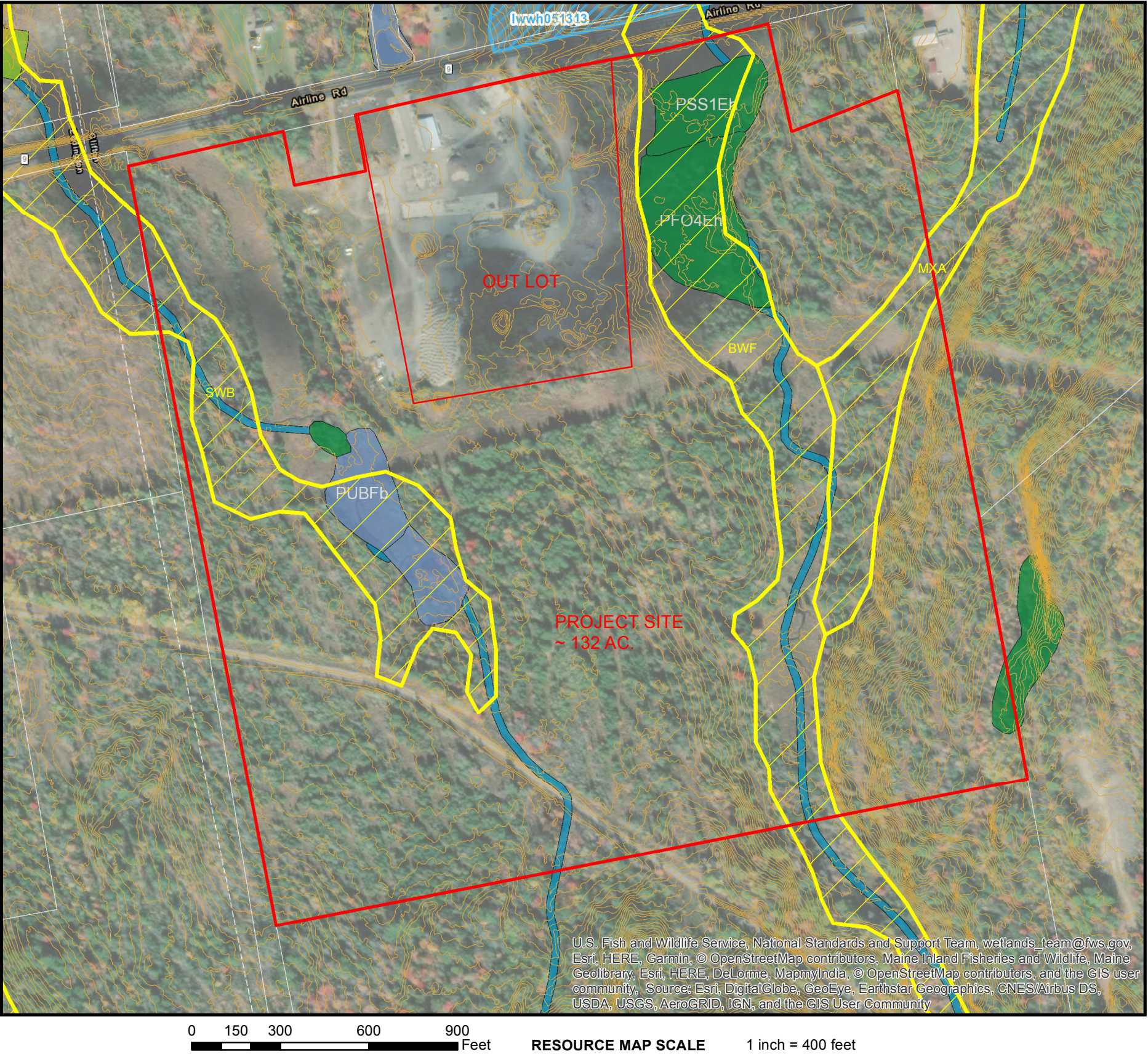
Freshwater Forested/Shrub Wetland

Freshwater Pond

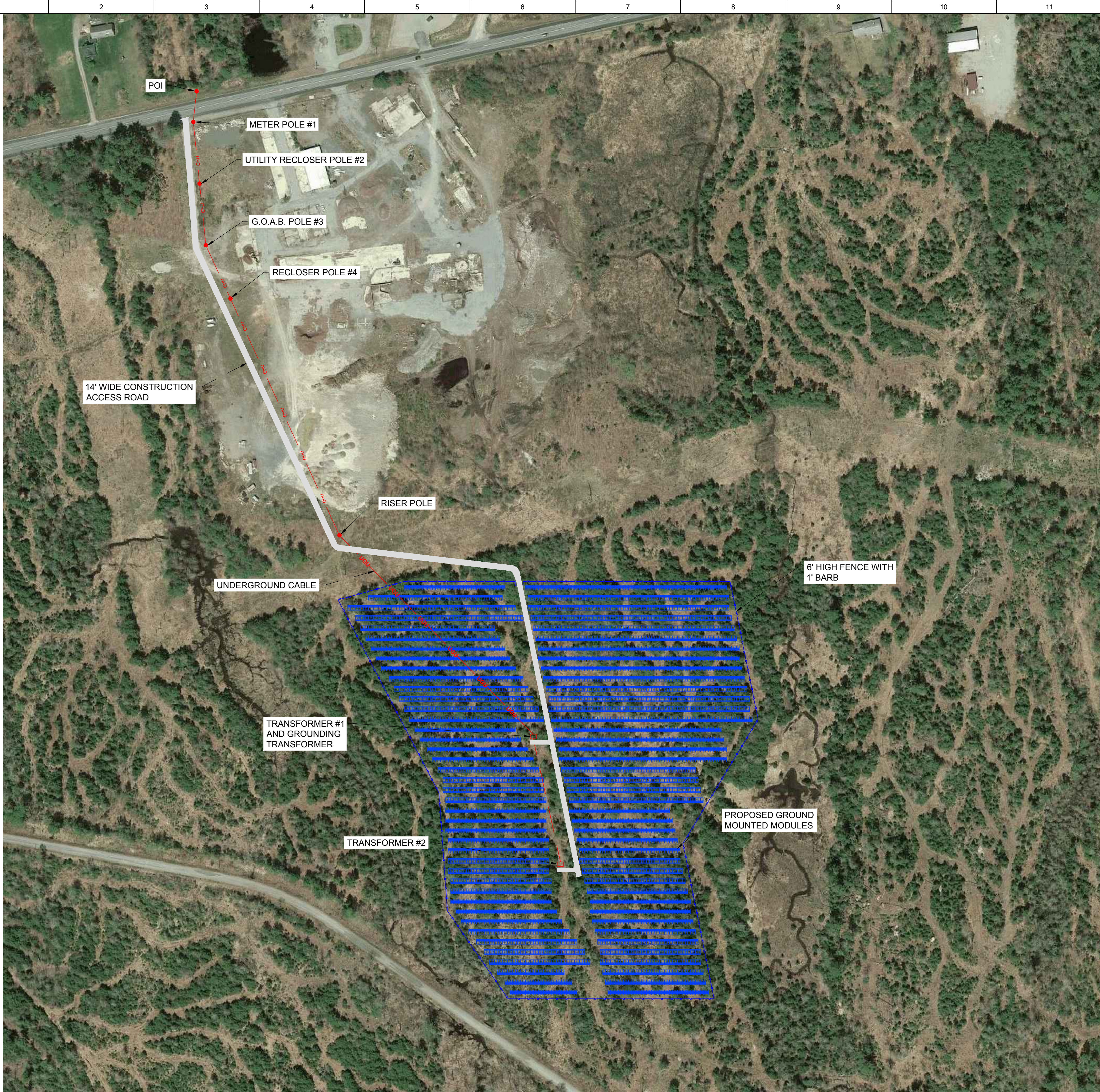
Lake

Other

Riverine



11/12/2019 1:26 PM - PETERV - N:22187_HEP_ENERGY_SERVICES_SOLAR_PROGRAM\13 - CLIFTON06-DRAFTING\WORKING DRAWINGS\22187-13-1100.DWG

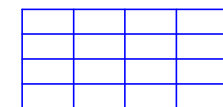


SHEET NOTES

1. TREES MAY GROW DURING THE LIFE OF THE SYSTEM AND IMPACT THE PRODUCTION.
2. ANY AND ALL LAYOUT CHANGES, INCLUDING BUT NOT LIMITED TO SHIFTING OF THE ARRAY, ARE SUBJECT TO APPROVAL BY THE DESIGN TEAM.
3. ARRAY LAYOUT DIMENSIONS SHALL BE CONSIDERED APPROXIMATE AND MAY VARY SLIGHTLY DUE TO MODULE INSTALLATION TOLERANCES AND VARYING TOPOGRAPHY.
4. POLE LOCATIONS ARE APPROXIMATE. EXACT POLE PLACEMENT WILL BE DETERMINED IN FIELD.

PV SYSTEM SUMMARY	
PV MODULES	72 CELL 425W
MODULES QUANTITY	15,078
DC RATING AT STC	6,408 KW
AC RATING	4,875 KW
INVERTER	(39) CHINT-129KW
INVERTER MAX VDC INPUT	1500 VDC
INVERTER MPPT WINDOW	850-1350 VDC

LEGEND:



MODULE



ROAD (14 FT.)



UTILITY POLE



UNDERGROUND



OVERHEAD



FENCE

SEAL:

REV.	DESCRIPTION:	DATE:	DRWN:	CHKD:	APRVD:
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
B	ISSUE FOR INTERCONNECTION APPLICATION	11/12/19	PAV	JED	TMG
A	ISSUE FOR INTERCONNECTION APPLICATION	09/06/19	RDO	JED	TMG



CLIFTON SOLAR
45 AIRLINE ROAD
CLIFTON, ME 04428

SCALE: NONE

SIZE: ARCH D

GENERAL LAYOUT PLAN

DATE:	08/29/19
DRAWN BY:	RDO
ENGINEER BY:	JED
PROJECT #:	22187-13
DRAWING #:	1100

