



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

March 25, 2021

TO: Service List dated February 26, 2021

FROM: Melanie Bachman, Executive Director *MAB*

RE: **PETITION NO. 1443** - SR North Stonington, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 9.9-megawatt AC solar photovoltaic electric generating facility on five parcels located north and south of Providence New London Turnpike (State Route 184), west of Boombridge Road and north of Interstate 95 in North Stonington, Connecticut, and associated electrical interconnection.

Comments have been received from the Connecticut Department of Transportation, on March 24, 2021. A copy of the comments is attached for your review.

MB/MP/lm

c: Council Members



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

March 29, 2021

Ms. Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Dear Ms. Bachman:

Subject: Petition 1443
9.9-Megawatt AC Facility
Town of Stonington

The Department of Transportation has reviewed the above-mentioned Petition and offer the following comments.

The proposed facility abuts State Route 184 Providence – New London Turnpike and the application indicates states it will interconnect to the Eversource distribution network that Eversource will construct from a substation located at 25 Pendleton Road. This interconnect would require underground or overhead encroachment of State Right of Way on Route 184, therefore an encroachment permit will be required.

The District 2 Permit Office will need to review three complete sets of construction plans which show all work abutting the state highway right of way, all site work, any required easements and standard details for highway construction prior to issuing the encroachment permit.

Should you have any questions, please contact Ms. Latoya Smith, Utility Engineer (Utilities) at Latoya.Smith@ct.gov.

Very truly yours,

Andrzej Mysliwicz

Digitally signed by Andrzej
Mysliwicz
DN: C=US,
E=Andrzej.Mysliwicz@ct.gov,
O=CTDOT, OU=Utilities
Section, CN=Andrzej Mysliwicz
Date: 2021.03.24
08:16:01-04'00'

Andrzej Mysliwicz
Transportation Supervising Engineer
Division of Facilities and Transit
Bureau of Engineering and Construction

Latoya Smith:ls

bcc: Scott P. Hill

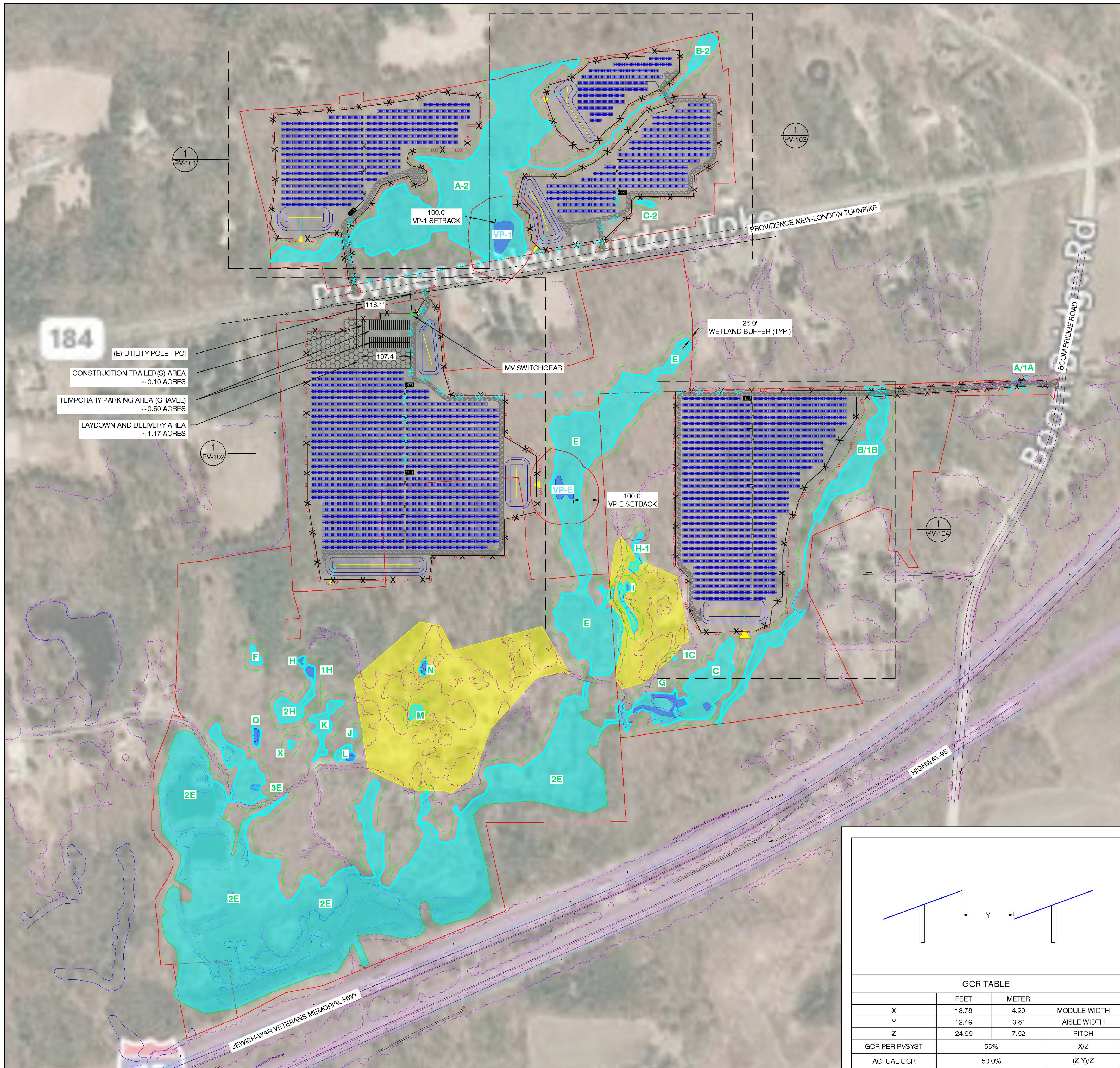
Gregory M. Dorosh -Leo Fontaine-Andrzej Mysliwiec-Derek Brown-Latoya Smith

James Chupas- Andrew Morrill-Christopher Brochu

Kevin Carifa- Raquel Ocasio

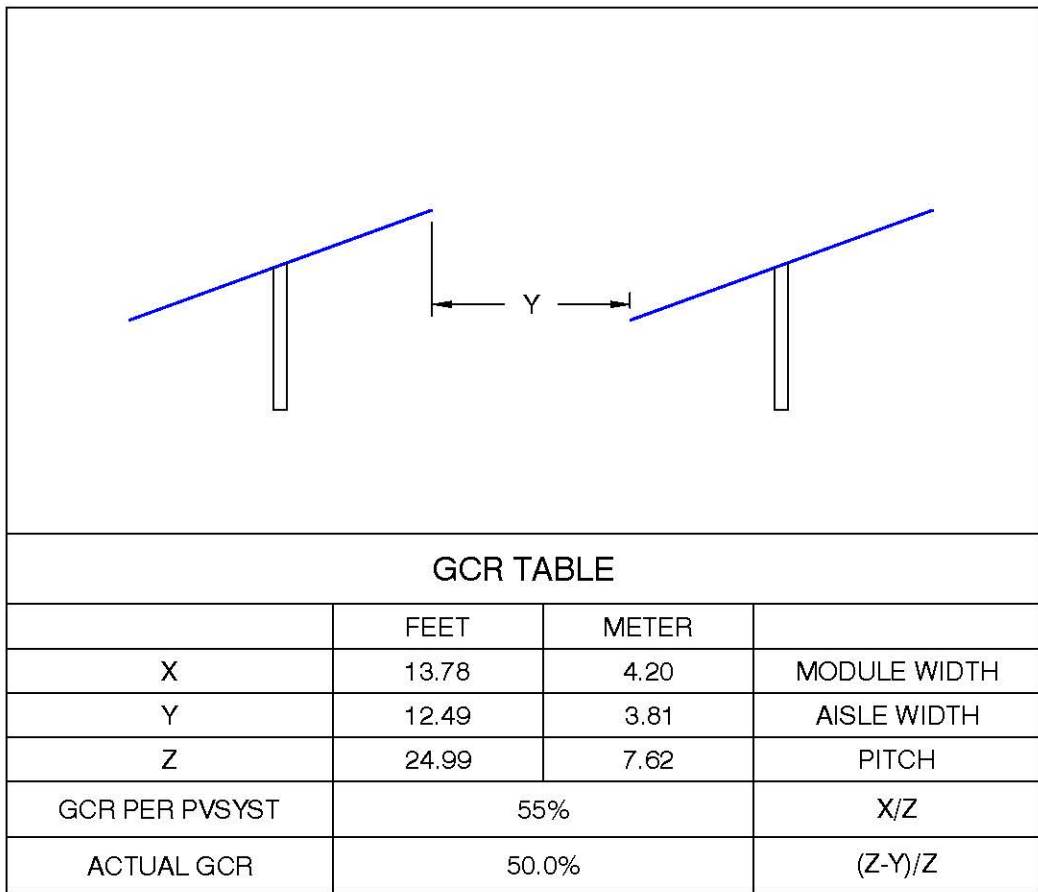
Latoya Smith:ls

Latoya Smith:ls

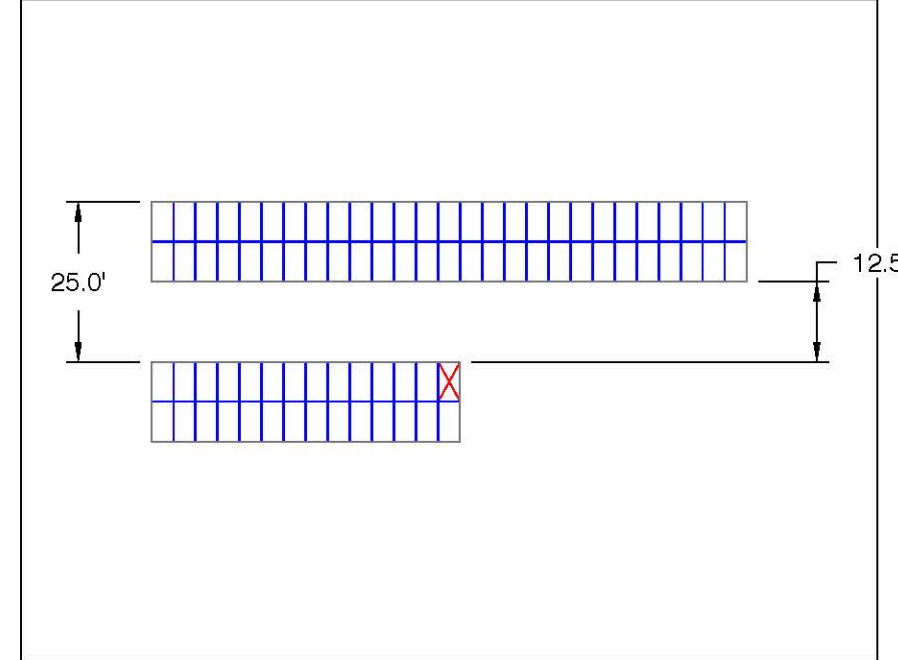


LEGEND	
	2P X 27 LONGI SOLAR 455W @25° TILT
	2P X 14 LONGI SOLAR 455W @25° TILT
	EQUIPMENT RACK (TYP. OF 5) (1) LV SWITCHGEAR (1) MV TRANSFORMER
	SUNGROW 250KW INVERTER (TYP. OF 45)
	EQUIPMENT RACK WITH 1 STRING INVERTER (TYP. OF 1 LOCATION)
	EQUIPMENT RACK WITH 2 STRING INVERTERS (TYP. OF 1 LOCATION)
	EQUIPMENT RACK WITH 3 STRING INVERTERS (TYP. OF 6 LOCATIONS)
	EQUIPMENT RACK WITH 4 STRING INVERTERS (TYP. OF 6 LOCATIONS)
	OVERHEAD ELECTRICAL
	UNDERGROUND MEDIUM VOLTAGE CABLE
	UNDERGROUND AC CABLE
	FENCE LINE
	16' ACCESS ROADS
	QUARRY
	WETLANDS
	25' WETLAND BUFFER
	VERNAL POOL
	WETLAND ID
	VERNAL POOL ID
	LINE OF DISTURBANCE
	TREE LINES
	STORMWATER BASIN
	PARCEL BOUNDARY
	LAYDOWN AREA

PROJECT DETAILS	
SYSTEM SIZE AC	9,900.00 kW
SYSTEM SIZE DC	13,144.95 kW
DC/AC RATIO	1.33
MODULE MODEL	LONGI SOLAR, LR4-72HBD-455M
MODULE RATING	455 W
TOTAL MODULE QTY	28,890
# OF MODULES PER STRINGS	27
TOTAL # OF STRINGS	1,070
INVERTER MODEL	SUNGROW SG250HX
INVERTER RATING	250 kW
TOTAL INVERTER QTY	45
RACKING	GROUND MOUNT FIXED TILT
TILT ANGLE	25°
AZIMUTH	180°
PITCH	25.0'
INTER ROW SPACING	12.5'
GCR	50%
FENCED AREA	44.00 ACRES
PROPERTY AREA	157.36 ACRES
LINE OF DISTURBANCE AREA	46.58 ACRES



2 GCR DETAILS
Scale: NTS



3 TYP. MODULE RACKS
Scale: 1"=30'

1400 Shattuck Avenue, Suite 3
Berkeley, California 94709

STONINGTON SOLAR

428, PROVIDENCE-NEW LONDON TURNPIKE
NORTH STONINGTON, CT 06359, USA

LAT: 41.431830°N
LON: 71.821514°W

0	PRELIMINARY	02/19/21
REV. NO	DESCRIPTION	DATE

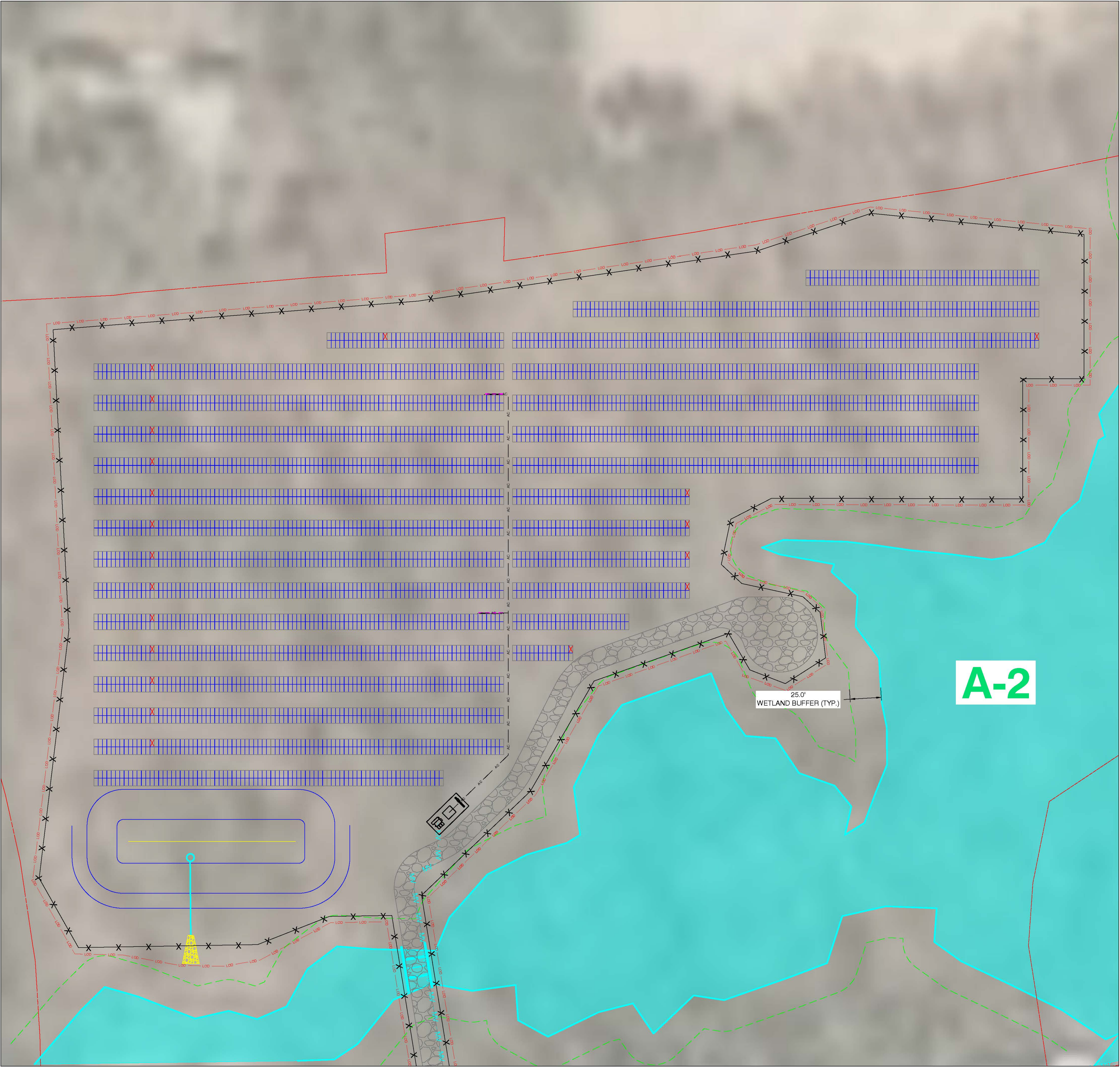
SHEET TITLE:

PRELIMINARY LAYOUT

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 02/19/21
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN
DRAWING NO.		

PV-100

1 ARRAY PLAN
Scale: 1"=200'



LEGEND	
	2P X 27 LONGI SOLAR 455W @25° TILT
	2P X 14 LONGI SOLAR 455W @25° TILT
	EQUIPMENT RACK (1) LV SWITCHGEAR (1) MV TRANSFORMER
	SUNGROW 250kW INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 2 STRING INVERTERS
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	OVERHEAD ELECTRICAL
	UNDERGROUND MEDIUM VOLTAGE CABLE
	UNDERGROUND AC CABLE
	FENCE LINE
	18' ACCESS ROADS
	QUARRY
	WETLANDS
	25' WETLAND BUFFER
	VERNAL POOL
	WETLAND ID
	VERNAL POOL ID
	LINE OF DISTURBANCE
	TREE LINES
	STORMWATER BASIN
	PARCEL BOUNDARY



DESIGN + ENGINEERING

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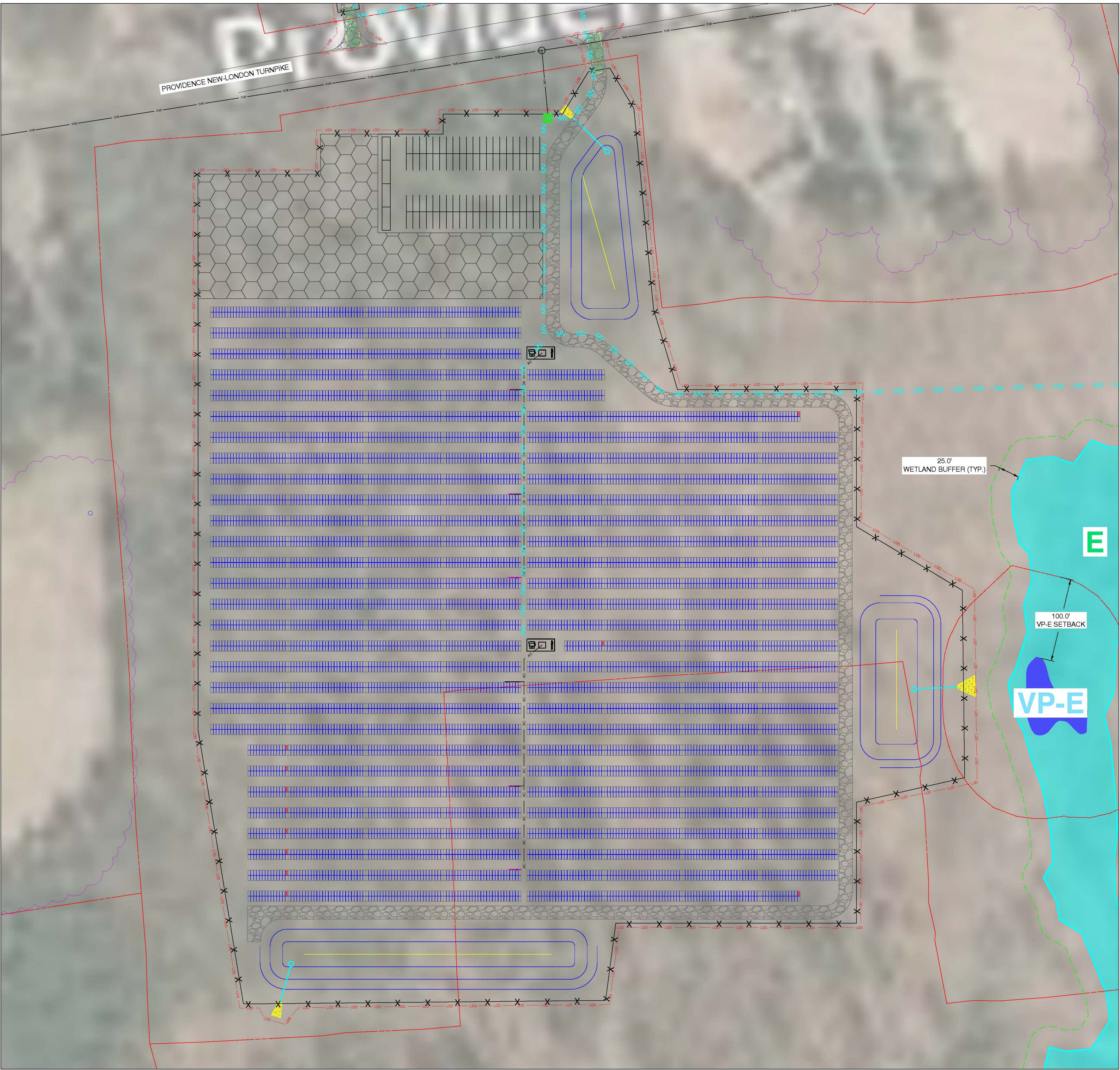
SHEET TITLE:

ARRAY DETAILS

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 02/19/21
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DRAWING NO.

PV-101



LEGEND	
	2P X 27 LONGI SOLAR 455W @25° TILT
	2P X 14 LONGI SOLAR 455W @25° TILT
	EQUIPMENT RACK (1) LV SWITCHGEAR (1) MV TRANSFORMER
	SUNGROW 250kW INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 2 STRING INVERTERS
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	OVERHEAD ELECTRICAL
	UNDERGROUND MEDIUM VOLTAGE CABLE
	UNDERGROUND AC CABLE
	FENCE LINE
	16' ACCESS ROADS
	QUARRY
	WETLANDS
	25' WETLAND BUFFER
	VERNAL POOL
	WETLAND ID
	VERNAL POOL ID
	LINE OF DISTURBANCE
	TREE LINES
	STORMWATER BASIN
	PARCEL BOUNDARY
	LAYDOWN AREA

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SHEET TITLE:

ARRAY DETAILS

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 02/19/21
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN

DRAWING NO.

PV-102



LEGEND	
	2P X 27 LONGI SOLAR 455W @25° TILT
	2P X 14 LONGI SOLAR 455W @25° TILT
	EQUIPMENT RACK (1) LV SWITCHGEAR (1) MV TRANSFORMER
	SUNGROW 250kW INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTERS
	EQUIPMENT RACK WITH 2 STRING INVERTERS
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	OVERHEAD ELECTRICAL
	UNDERGROUND MEDIUM VOLTAGE CABLE
	UNDERGROUND AC CABLE
	FENCE LINE
	16' ACCESS ROADS
	QUARRY
	WETLANDS
	25' WETLAND BUFFER
	VERNAL POOL
	WETLAND ID
	VERNAL POOL ID
	LINE OF DISTURBANCE
	TREE LINES
	STORMWATER BASIN
	PARCEL BOUNDARY

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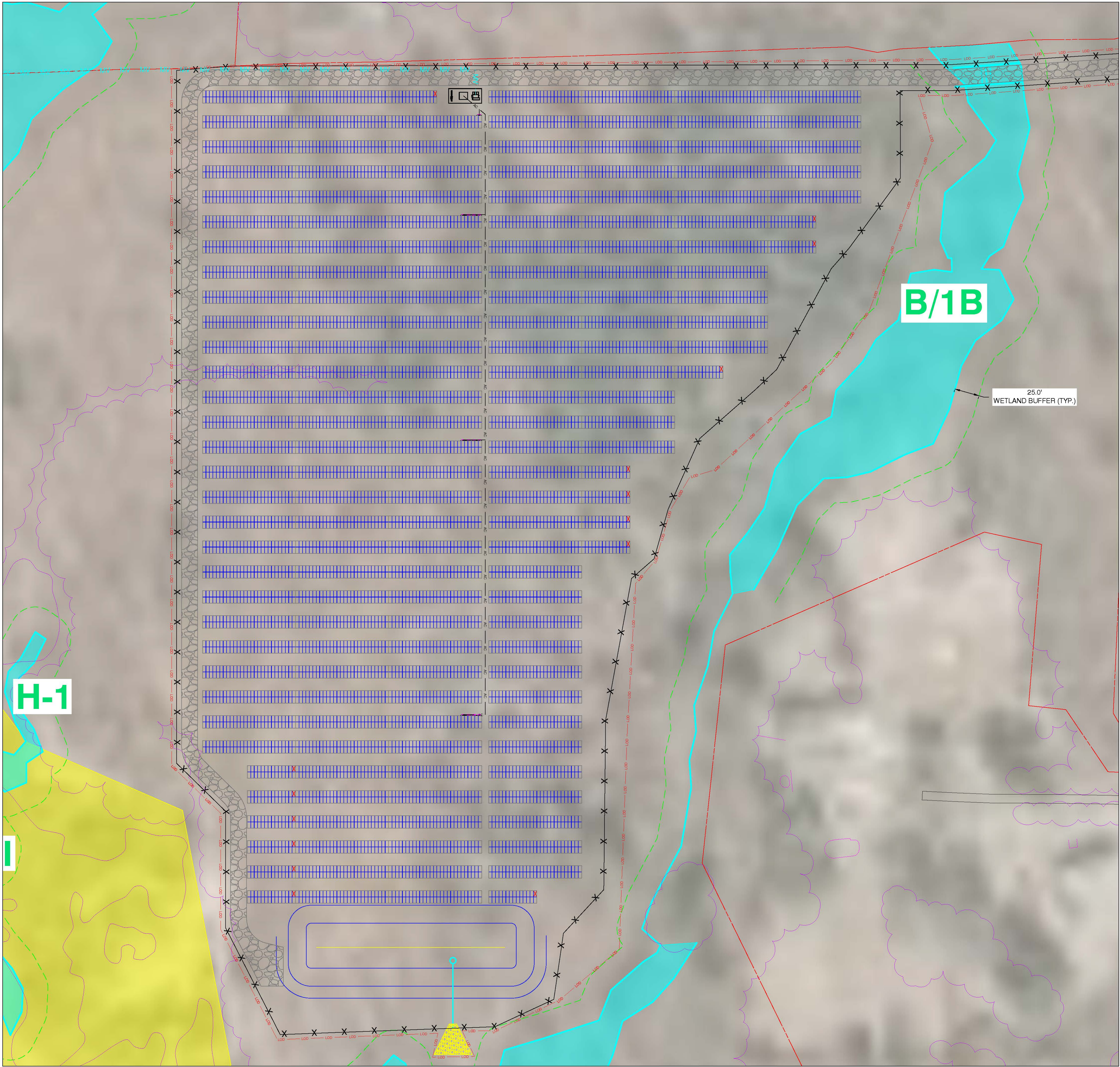
SHEET TITLE:

ARRAY DETAILS

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 02/19/21
DRAWN BY: LR	CHECKED BY:	SCALE: AS SHOWN

DRAWING NO.

PV-103



LEGEND	
	2P X 27 LONGI SOLAR 455W @25° TILT
	2P X 14 LONGI SOLAR 455W @25° TILT
	EQUIPMENT RACK (1) LV SWITCHGEAR (1) MV TRANSFORMER
	SUNGROW 250kW INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 2 STRING INVERTERS
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	OVERHEAD ELECTRICAL
	UNDERGROUND MEDIUM VOLTAGE CABLE
	UNDERGROUND AC CABLE
	FENCE LINE
	18' ACCESS ROADS
	QUARRY
	WETLANDS
	25' WETLAND BUFFER
	VERNAL POOL
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	VERNAL POOL ID
	LINE OF DISTURBANCE
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ARRAY DETAILS

PROJ. MGR.	PROJ. ENGR. SDE	DATE: 02/19/21
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PV-104



STATE OF CONNECTICUT

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<https://www.ct.gov/csc>

Screening Checklist

Connecticut Department of Transportation

Potential Transportation Infrastructure Impacts

Connecticut Siting Council Petition # 1443

Location: Stonington, CT

1. Is the proposed facility abutting –the-right of way of a State maintained highway?

_____ No

___X___ Yes – Specify the location and show location on a detail site plan.

2. Is the access for construction and maintenance of the proposed facility needed directly from a State maintained highway.

_____ No

___X___ Yes – Identify specify needs and access location.

3. Is the proposed facility within or abutting a State owned Railroad Right-of-Way?

___X___ No

_____ Yes-Please provide an area and site plan.

4. Is the proposed facility within a two mile radius of any lands classified as preserved scenic land in accordance with CGS Section 13a-85a, " Acquisition of land adjacent to state highways for preservation and enhancement of scenic beauty and development of rest and recreation areas", or any designated scenic road in accordance with CGS Section 13b-31c, "Designation of scenic roads"?

___X___ No

_____ Yes