



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT. 06051

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www.ct.gov/csc

VIA ELECTRONIC MAIL

February 5, 2019

TO: Parties and Intervenors

FROM: Melanie Bachman, Executive Director *MB*

RE: **PETITION NO. 1354** – Chatfield Solar Fund, 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 1.98-megawatt AC solar photovoltaic electric generating facility on approximately 25 acres located generally south of Route 80 (North Branford Road) and east of Chestnut Hill Road in Killingworth, Connecticut, and associated electrical interconnection to Eversource Energy's Green Hill Substation located at 775 Green Hill Road, Madison, Connecticut.

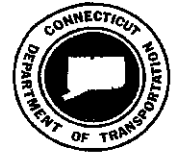
Comments have been received from the Connecticut Department of Transportation, dated February 5, 2019. A copy of the comments is attached for your review.

MB/RDM/lm

c: Council Members



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

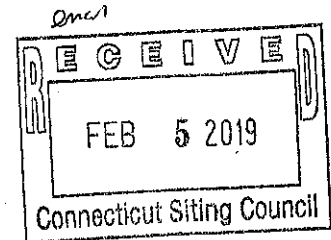


2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

February 5, 2019

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



Dear Ms. Bachman:

**Subject: Petition No. 1354
2.35 Megawatt Fuel Cell Project
CT Route 80 (North Branford Road)
Town of Killingworth**

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

The proposed project may result in an overhead and underground utility work on State Route 80 (North Branford Road), within the state right of way, therefore Chatfield Solar Fund, LLC must attain a Highway Encroachment Permit in conjunction with the Connecticut General Statutes prior to performing any work within the right of way. The District 2 Permit Office will need review three complete sets of construction plans which show all work within the State highway right of way, all site work, any required easements and standard details for highway construction prior to issuing the encroachment permit.

The District 2 Permit Office will determine the bond amount, insurance coverage, maintenance and protection of traffic, inspection, roadway restoration and pavement restoration requirements. Please see attached D.O.T. Screening Check List.

Should you have any further questions, please contact, Ms. Latoya Smith, Utility Engineer (Utilities), at (860) 594-2533

Very truly yours,

Andrzej Mysliwiec



Transportation Principal Engineer
Bureau of Engineering and Construction

Latoya Smith:ls

bcc: Mark Rolfe

LS/DJB

James A. Fallon-Sohrab Afrazi-Andrzej Mysliwiec-Derek Brown-Latoya Smith

James Chupas- John DeCastro-Christopher Brochu

Edgar T. Hurle-Kevin Carifa-Desmond P. Dickey

1. PROJECT INTRODUCTION

Standard Solar is proposing to install a 2.35 megawatt DC (MW) solar-based electric generating facility in the town of Killingworth, Connecticut, (hereinafter referred to as "Project") on property located on North Branford Road (Route 80), Killingworth, Connecticut (hereinafter referred to as "the Site"). The Site is currently forested. (Figure 1)

Loureiro Engineering Associates, Inc. (Loureiro) prepared this Environmental Assessment (EA) to support Standard Solar's submission of a petition for declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the construction, maintenance, and operation of the Project.

The Site is situated on the southern side of North Branford Road, 500-feet east of its intersection with Chestnut Hill Road. The Site vicinity is characterized by forest and undeveloped land and residential parcels. Directly abutting the site to the east and south is forested land with residential parcels abutting on the western site. The area is zoned R-2.

The Project would occupy approximately 16 acres of the 25-acre site. The proposed solar array would be comprised of a total of 6,732 Adani Solar 350 Watt modules, made up of 374 strings with 18 modules per string, 34 Chint Power System SCA60KTL inverters and a Locus Gate 360 monitoring system. The facility would use a post-driven mounting system. The individual panels would be placed at a 20 degree tilt to the south.

2. EXISTING CONDITIONS

The purpose of this section is to describe current conditions of the Site. A detailed discussion of the proposed Project's effects on the environment is provided in following sections of this document.

2.1 Project Location

The Project is located on North Branford Road (Route 80), Killingworth, Connecticut approximately 500-feet easterly of the intersection with North Chestnut Street and consists of a single parcel. The parcel is 25-acres and is owned by Rajvilla LLC of New Haven, Connecticut. The parcel is zoned R-2 and is currently entirely forested. A Site Location Plan is included as Figure 1.

The topography of the Site slopes down in an easterly direction from a high elevation of approximately 315 (NAVD88) on the western property edge to elevation 250 at the center of the wetlands in the eastern portion of the Site with an average slope of 7.5% across the property. The Site is bordered by residential properties, with the closest house approximately 750 feet from the western property line. The land immediately adjacent to the property on the southern and eastern edges is forested.

Inland wetlands are located on the property along the eastern edge of the property with another area in the central portion of the property. There is a semi-perennial stream associated the eastern wetland area and an intermittent stream that connects from the west. Three vernal pools were found on the property.

2.2 Site Access

The site is located on North Branford Road (Connecticut Route 80) which runs along the entire northern property line. Site access is currently off North Branford Road.

Figure 2, Existing Conditions Plan, depicts current conditions on the Site as well as other features discussed below.

2.3 Wetland and Watercourses

James McManus, a Certified Professional Soil Scientist with JMM Wetland Consulting Services LLC conducted a site inspection of the property on August 20th, August 22nd, and September



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Screening Checklist

Connecticut Department of Transportation

Potential Transportation Infrastructure Impacts

Connecticut Siting Council Petition # 1354

Location: Killingworth

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

No
 Yes - Specify the location and show location on a detail site plan.

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

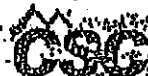
No
 Yes - Identify specify needs and access location.

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

No
 Yes - Please provide an area and site plan.

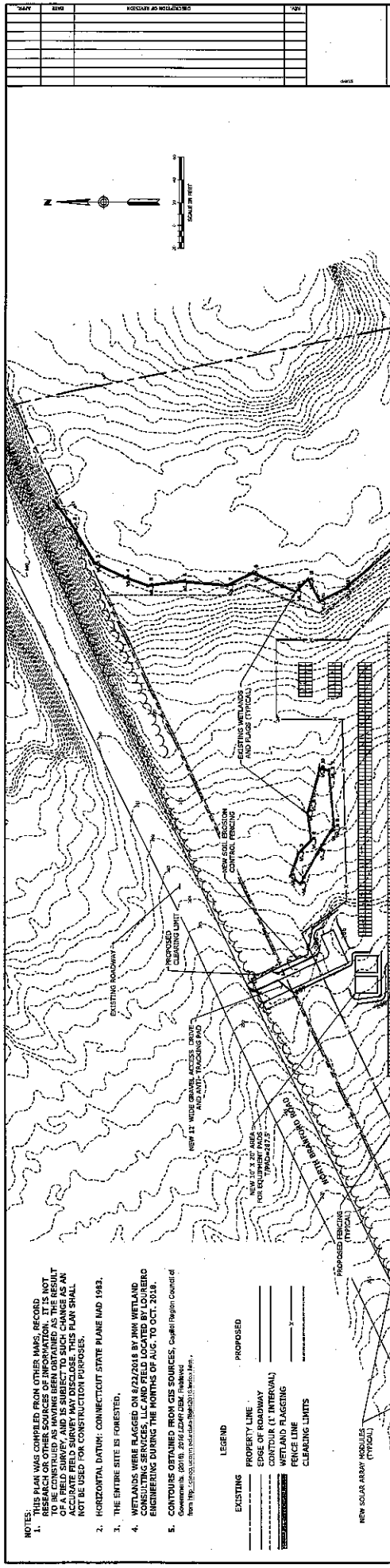
4. Is the proposed facility within a two mile radius of any lands classified as preserved scenic land in accordance with CGS Section 13a-85a, "Acquisition of land adjacent to state highways for preservation and enhancement of scenic beauty and development of rest and recreation areas", or any designated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

No
 Yes



DATE	10/17/2018
BY/APP'D	[Signature]
SCALE	1" = 40'
PROJECT NO.	2018-003
DATE	10/17/2018

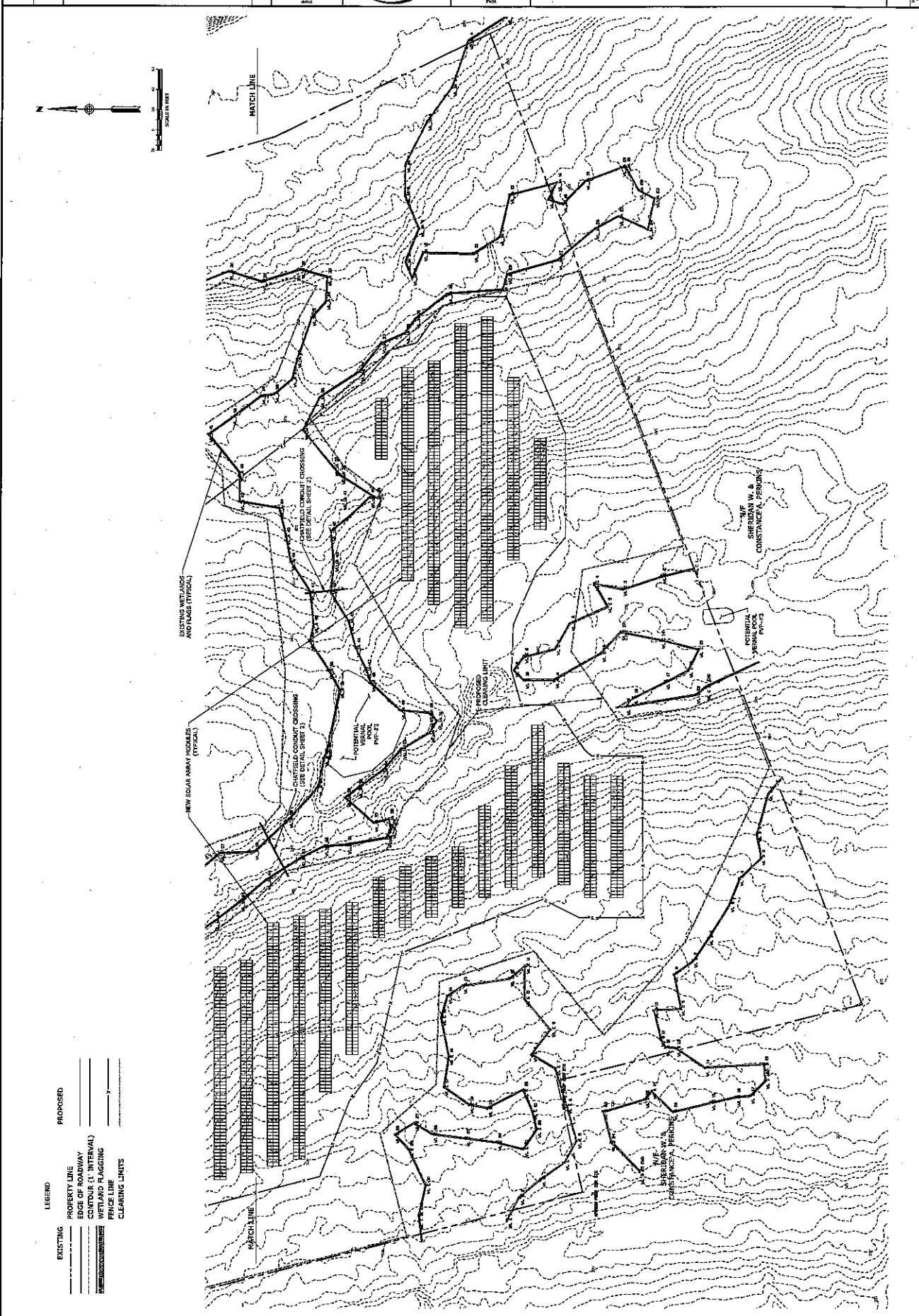
Loureiro
 CONSULTING ENGINEERS, INC.
 100 NORTH MAIN STREET
 SUITE 200
 BARNARD, CT 06025
 TEL: 860.339.1100
 FAX: 860.339.1101
 WWW.LOUreiro.COM



- NOTES:**
- THIS PLAN WAS COMPILED FROM OTHER MAPS, RECORDS, AND RESEARCH. OTHER SOURCES OF INFORMATION, THE RESULT OF A FIELD SURVEY, AND IS SUBJECT TO SUCH CHANGE AS AN ACCURATE FIELD SURVEY MAY DISCLOSE. THIS PLAN SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
 - HORIZONTAL DATUM: CONNECTICUT STATE PLANE MAD 1983.
 - THE ENTIRE SITE IS FORESTED.
 - WETLANDS WERE FLAGGED ON 8/22/2018 BY JRM WETLAND RESEARCH AND CONSULTING, INC. ENGINEERING DURING THE MONTHS OF AUG. TO OCT. 2018.
 - CONTOURS OBTAINED FROM GIS SOURCES. Contour Elevation from http://www.ct.gov/dep/cwp/sections/0600/0600_0000.htm.

LEGEND

EXISTING	PROPOSED
PROPERTY LINE	PROPERTY LINE
EDGE OF ROADWAY	EDGE OF ROADWAY
WETLAND FLAGGING	WETLAND FLAGGING
FENCE LINE	FENCE LINE
CLEARING LIMITS	CLEARING LIMITS



LEGEND

	PROPERTY LINE		PROPOSED
	EDGE OF ROADWAY		EXISTING
	OUTPOUR (1' INTERVAL)		EXISTING FENCING
	PRICE LINE		CLEARING LIMITS