



**STATE OF CONNECTICUT**  
**DEPARTMENT OF TRANSPORTATION**



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

Phone:

August 8, 2018

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

Dear Ms. Bachman:

**Subject: Petition No. 1137**  
**1.1 Megawatt Solar Photovoltaic**  
**Energy Generating Facility**  
**1 Williams Crossing Road**  
**Town of Lebanon**

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 32 (1 Williams Crossing Road), within the state right of way, therefore Ecos Energy, 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 four 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,

Transportation Principal Engineer  
Bureau of Engineering and Construction

Latoya Smith:ls

bcc: Mark Rolfe

LS/DJB/XXX

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

Petition No. 1137  
Amendment #2  
July 12, 2018

Ecos Energy LLC is submitting on behalf of Windham Solar LLC (“Windham Solar”) an amendment to an approved petition for declaratory ruling (“Petition”) by the Connecticut Siting Council (“Council”). On August 31<sup>st</sup>, 2017, the Council approved the request to amend the facility per the July 6<sup>th</sup> 2017 amendment application for the final design, construction, operation and maintenance of the initial five (5) 1.0 megawatt facilities. Since Council approval, Windham Solar LLC has completed electrical construction of the five (5) 1.0 megawatt facilities. The conditions outlined in the September 5<sup>th</sup>, 2017 approval letter from the Council were also implemented during the construction of the project; Wood turtle protection was implemented during construction, the abandoned UST tank in the farmstead area was removed and registered with DEEP and communications have been ongoing to with local municipalities. The five facilities are currently operating and Windham Solar will be implementing the long term stormwater measurement plan after final approval from DEEP starting in July of 2018.

Windham Solar LLC is requesting to amend the facility footprint for the construction of the projects last 1.1 megawatt solar photovoltaic renewable energy generating facility on the site per the following attachments. The final design will incorporate 3000 modules and will be a 1.0MW AC project. The project will be split into a 2-part footprint, the westerly footprint utilizes the remaining upland area at the south end of the approved footprint expanding slightly to incorporate an efficient electrical string design, 2100 modules will be installed in the area. The easterly footprint of the project includes 900 modules and utilizes the majority of the remaining upland in the southeast corner of the site in the town of Franklin. This footprint expansion was required to keep the permitted project size, and address all the final design elements of the project. The following exhibits outline the steps taken to prepare a final site design for the project.

**Project Civil Construction Documents & SWPCP:**

This amendment implements the latest stormwater design requirements recommended by DEEP and adheres to the design requirements outlined in the 2002 CT guidelines for Erosion and Sediment control and the 2004 Connecticut Stormwater Quality manual. Updated civil construction documents, hydraulic calculations and a complete Stormwater Pollution Control Plan has been prepared for the revised project footprint. The SWPCP was submitted to DEEP for approval on July 3<sup>rd</sup>, 2018. 3 copies of the 196-page SWPCP have been submitted with this amendment request, and the full SWPCP can be downloaded in the following link: <https://ecosenergy.box.com/s/fdmb32xa4pcdy7zzy149xrn2pj86apn4>

The revised Civil Construction Documents, the major design element of the SWPCP can be found attached as Exhibit A.

**Wetland Report Update:**

The amendment request includes activity within 100 feet of an isolated hill seep wetland. Highland Soils, LLC has reviewed the isolated wetland and provides specific comments for the activities associated with regulated wetland. The updated wetland report is attached as Exhibit B.

**System Racking:**

The solar racking currently constructed for the five (5) 1.0 megawatt facilities incorporated a design with 4 modules in landscape with a two-post helical ground screw for racking. This amendment requests a design change for 2 modules in portrait, and a ballasted footing design. These footings are either poured on or off site, and placed in the field. The ballast design will minimize earth disturbances by placing at grade footings underneath the racking. This method of construction will speed up racking installation,

remove the risks of subgrade rock encounters which occurred on the construction of the initial (5) 1.0 megawatt facilities as well as be more adept to construction issues that could be encountered during winter condition construction. Additional information for the ballast racking can be found attached as Exhibit C.

#### Updated Public Notices:

A revised public notice of the project was made to the abutters and government officials via certified mail distributed on July 11<sup>th</sup>, 2018. On July 14<sup>th</sup>, 2017, a public notice will also be printed in the Chronicle. Supporting document on the public notices is attached as Exhibit D.

#### NDDB Update:

On June 29, 2017 Windham Solar received revised correspondence from Connecticut Department of Energy and Environmental protection relating to the environmental review of the project. The recommended protection strategies, have also been incorporated into the projects SWPCP, and will be implemented during the construction of the Facilities, the NDDB update expires on June 29, 2019. The document has been attached as Exhibit E.



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](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

**Screening Checklist**  
**Connecticut Department of Transportation**  
**Potential Transportation Infrastructure Impacts**  
**Connecticut Siting Council Petition # 1137**

**Location :**

11 Williams Crossing Road  
Town of Lebanon

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





# WINDHAM SOLAR - PHASE II CONSTRUCTION DOCUMENTS

FOR  
Site Layout, Grading/Drainage/Erosion Control/Landscaping  
IN  
LEBANON, CONNECTICUT

LOCATION MAP



SHEET INDEX

●	6/22/2018	1	COVER SHEET
●	6/22/2018	2	AS BUILD SURVEY NORTH & SOUTH (BY HELLSTROM LS, LLC)
●	6/22/2018	3	AS BUILD SURVEY NORTH & SOUTH (BY HELLSTROM LS, LLC)
●	6/22/2018	4	OVERALL SITE PLAN
●	6/22/2018	5	PHASE II EROSION CONTROL PLAN - 1"=40'
●	6/22/2018	6	PHASE II LANDSCAPE PLAN
●	6/22/2018	7	AREA A & B STORM WATER BASINS
●	6/22/2018	8	AREA C STORM WATER BASIN
●	6/22/2018	9	CIVIL NOTES
●	6/22/2018	10	CIVIL DETAILS

DRAWING INDEX LEGEND

●	FILLED CIRCLE INDICATES DRAWING INCLUDED WITHIN THIS ISSUE
●	MOST RECENT REVISION NUMBER
●	MOST RECENT ISSUE OR REVISION DATE
○ - X/XX/201X   X	SHEET TITLE

CONTACT INFO:

RECORD LANDOWNER:  
PLH, LLC  
77 WATER STREET  
8TH FLOOR  
NEW YORK, NY 10005

OWNER/DEVELOPER:  
WINDHAM SOLAR, LLC  
222 SOUTH 9TH STREET  
SUITE 1600  
MINNEAPOLIS, MN 55402

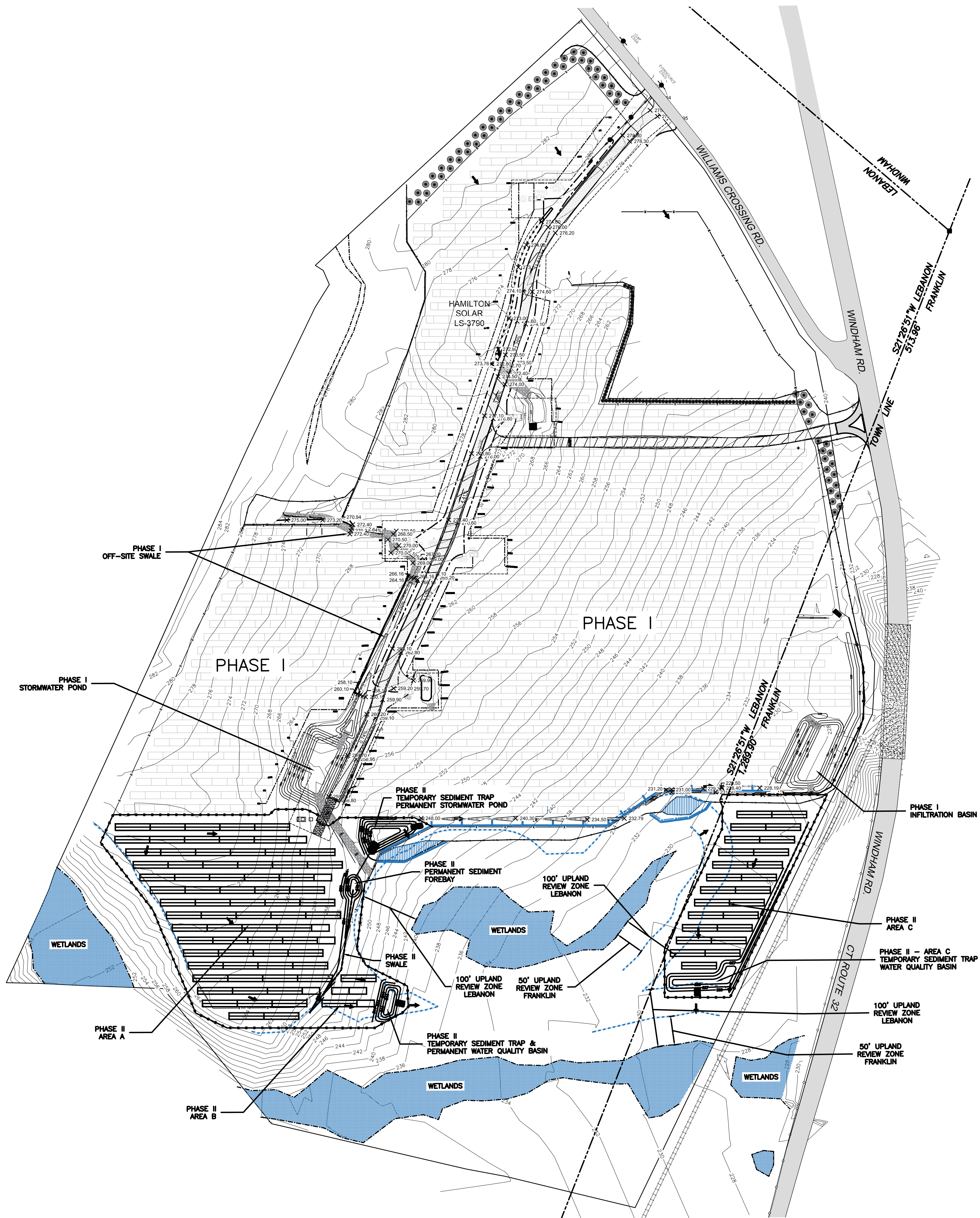
SURVEYOR:  
ROB HELLSTROM LAND  
SURVEYING, LLC  
P.O. BOX 497  
HEBRON, CT 06248

WETLAND DELINEATION:  
HIGHLAND SOILS  
P.O. BOX 337  
STORRS, CT 06268

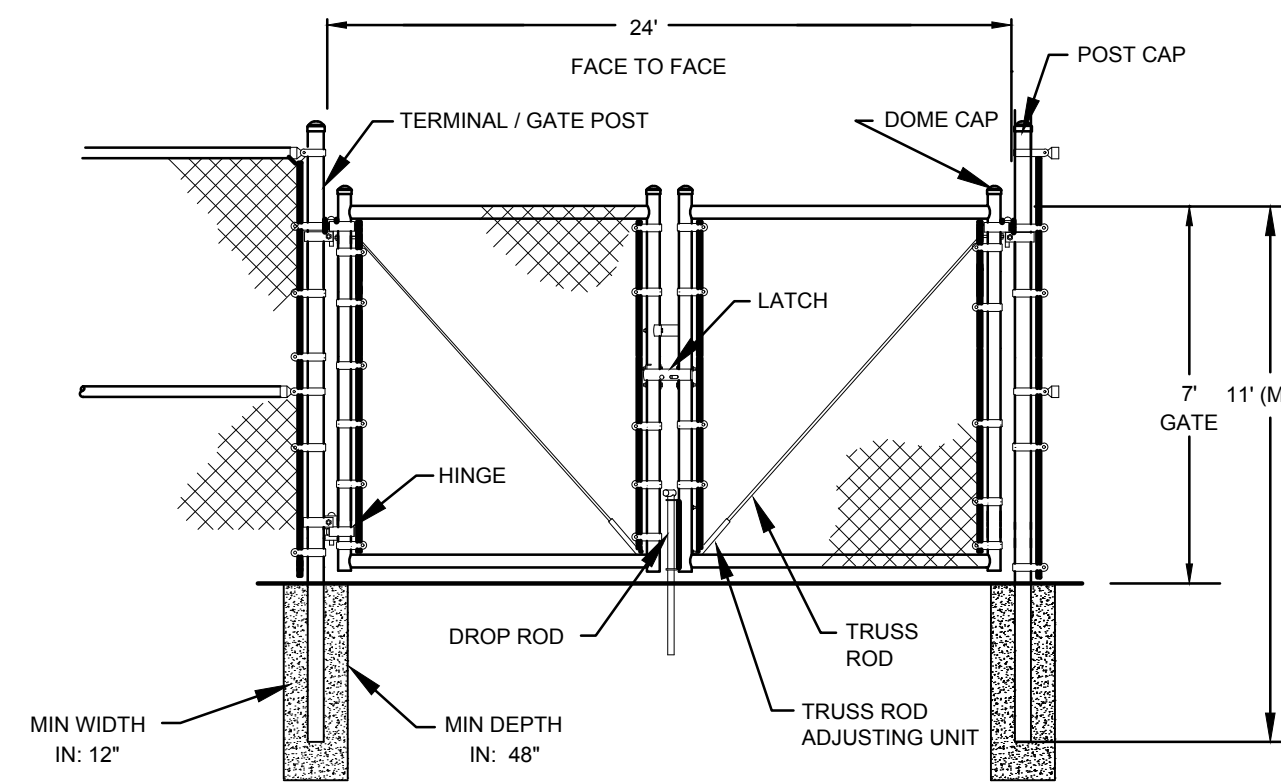
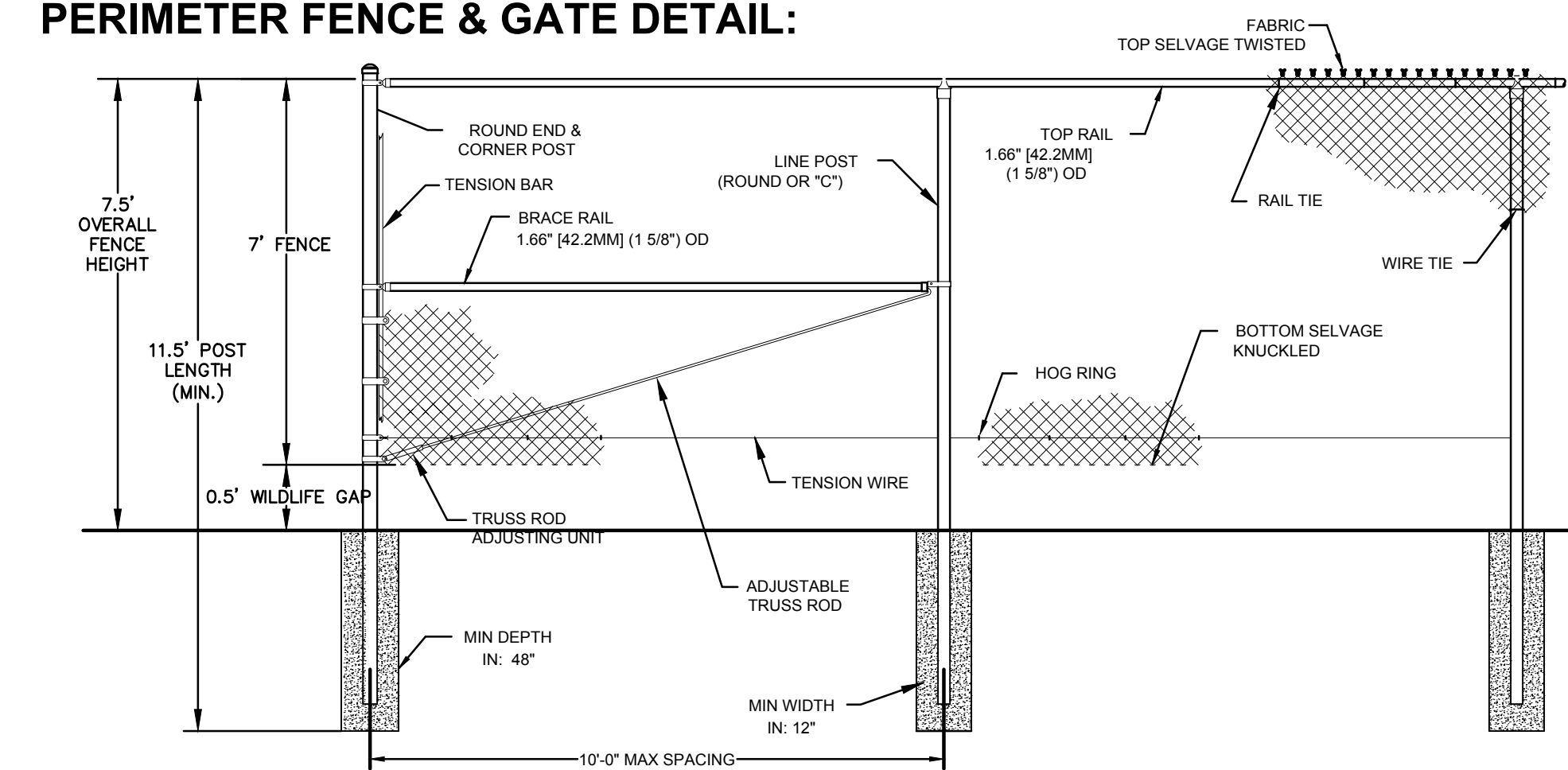
GEOTECHNICAL ENGINEER:  
TERRACON  
201 HAMMER MILL ROAD  
ROCKY HILL, CT 06067

			<b>CLA Engineers, Inc.</b> CIVIL • STRUCTURAL • SURVEYING	
			317 Main Street Norwich, Connecticut (860) 886-1966 Fax (860) 886-9165	
No.	Date	Revision	1 WILLIAMS CROSSING ROAD LEBANON, CT 06249	
			WINDHAM SOLAR PHASE II	
			COVER SHEET	
			Project No. CLA-6126	
			Proj. Engineer E.M.B.	
			Date: 6/22/18	
			Sheet No.	1





PERIMETER FENCE & GATE DETAIL:



- FENCING NOTES:
1. FENCING PARALLEL WITH WILLIAMS CROSSING ROAD AND ROUTE 32 SHALL BE BLACK VINYL COATED.
  2. ALL 3 FENCE GATES SHALL BE BLACK VINYL COATED.
  3. FENCE DETAILS REPRESENTED ARE CONCEPTUAL, FENCE CONTRACTOR TO SUBMIT ACTUAL SHOP DRAWINGS PRIOR TO CONSTRUCTION

RACKING PROFILE DETAIL:

