

280 East Broad Street Suite 200 Rochester New York 14604  
Main: 877 627 3772



Engineering  
& Design

October 6, 2023

Town of Bennington  
Attn. Supervisor Ellen Grant  
905 Old Alleghany Road  
Bennington, NY 14011

RE: NY Bennington I, LLC - Community Solar Farm  
Town Board Review Materials - Addendum

Dear Town of Bennington Town Board and Planning Board,

In response to comments at the September 13 public hearing for the Church Road Solar project (the "Project"), we are providing additional information for the continued public hearing on October 11. Please find attached to this letter the following application materials. We can present these in more detail at the October 11 meeting.

1. Public comment responses - Please see the attached comment response letter that addresses comments that were raised at the September 13, 2023, public hearing.
2. Visual Line of Sight assessment - Questions about views of the solar project can be addressed with a visual assessment, showing where sight lines of the project exist, and where natural screening and topography will block view of it. The attached Line of Sight analysis shows there are limited view corridors from properties across Church Road.
3. Site Plan update - A revised Site Plan is attached, which avoids the tree clearing previously proposed in the northwest portion of the parcel. This change was found to be more acceptable by the landowner, and addresses concern from public comment over removing existing trees. The setbacks to the solar area have not changed and the Project is still 2.06MWac.

We look forward to the continued review of the Church Road solar project.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Snyder", with a long horizontal stroke extending to the right.

Christopher Snyder,  
Project Manager

NY BENNINGTON I, LLC  
RESPONSES TO PUBLIC COMMENTS

---

October 6, 2023

Church Road Solar Facility

Prepared for  
Town of Bennington  
Wyoming County, New York

Prepared By:  
**NY Bennington I, LLC**  
140 E 45<sup>th</sup> Street, Suite 32B-1  
New York, NY 10017

# Contents

1. Introduction.....	3
2. Fire Safety.....	3
2.1 Project Company.....	3
2.2 Fire Department Training .....	3
2.3 Solar Facility Safety (Equipment) Features .....	3
2.4 Maintenance (Scheduled and Corrective).....	3
2.5 Miscellaneous .....	4
3. Noise.....	4
3.1 Construction.....	4
3.2 Operation .....	4
4. Hazardous Materials (Modules).....	5
5. Ground Water (Contamination).....	5
6. Viewsheds / Aesthetics .....	5
7. Property Values .....	5
Appendix I - Noise Study .....	6
Appendix II - Toxicity Characteristic Leaching Procedure Study.....	7
Appendix III - Visual Line of Sight Assessment.....	8

## 1. Introduction

NY Bennington I, LLC (“Project Owner”) proposes to build a photovoltaic (PV) solar facility (“Solar Facility”) at Church Road in the Town of Bennington (“Town”) under New York State’s Community Solar initiative. The Solar Facility is planned to have a capacity of approximately 2.06 megawatts (MW) alternating current (AC), to be constructed on a portion (“Project Site”) of private land (“Project Property”) leased by the Project Owner from the Project Property owner (“Project Property Owner”).

This Memorandum (“Memorandum”) is being submitted to the Town as part of the public hearing process related to site plan approval as required by the Code of the Town of Bennington (“Town Code”) and is intended to address certain concerns raised by (i) the public and/or the Town of Bennington Town and Planning Boards (“Town Board”, “Planning Board”).

## 2. Fire Safety

There were concerns raised during the Town Board meetings regarding fire safety.

### 2.1 Project Company

- In the event of an emergency, a Project Owner representative will contact the appropriate Town personnel (fire department, police department) to inform them of the emergency. The Project Owner will then dispatch appropriate personnel to the Project Site as soon as possible.
- It should be noted that in the event of an emergency (fire hazard), the local fire department and local officials would have control of the situation including the immediate measures to ensure the safety of the public and nearby properties.

### 2.2 Fire Department Training

- The Project owner will provide the local fire department with the Solar Facility design and will also provide an onsite tour of the Solar Facility prior to commercial operation to show the fire department the access path, the disconnect switches and answer any questions that may be posed.
- The access road will be sufficient for the fire department to access the Project Site in the event of an emergency and if the fire department requests a KnoxBox one will be provided for access.

### 2.3 Solar Facility Safety (Equipment) Features

- The inverter has breakers that will trip in the event of an electrical issue.
- The transformers have fuses that will trip in the event of an electrical issue.
- NYSEG will have a “recloser” on one of the installed utility poles that will shut down electrical transmission of the Solar Facility in the event of an electrical event.
- There is a manual “disconnect switch” that can be pulled to shut down the Solar Facility (which the fire department will be provided the location).
- There is no “fire suppression” system (i.e. sprinklers or foam) within the Solar Facility

### 2.4 Maintenance (Scheduled and Corrective)

- The Project has submitted an Operation and Maintenance Plan to the Town that outlines the Operation and Maintenance of the Solar Facility and Project Site.
- The Project Owner will enter an Operations and Maintenance Contract for the life of the Solar Facility covering both scheduled maintenance and corrective maintenance to ensure the proper operation of the Solar Facility. Scheduled maintenance will generally include the following:
  - Compliance with the Local, State and Federal Rules, Codes, Regulations and Laws regarding the health and safety of any operation and maintenance works
  - Semi-Annual interim maintenance visit.
  - Annual full maintenance visit.
  - System testing and verification of data acquisition systems, at least once per calendar year.
  - Module cleaning once a year, or as determined by Project Owner.

- Solar Facility field inspection: visual, electrical and mechanical once per month, or as determined by Project Owner.
- Inverter cleaning and servicing to ensure proper operation. Scheduled maintenance and testing as required to maintain manufacturer's warranties.
- Scheduled maintenance and testing required to maintain all manufacturers' warranties on Solar Facility components.
- Maintain and operate all the infrastructures, equipment and facilities related to the Solar Facility required for the proper operation.

## 2.5 Miscellaneous

- **Lightning Strikes:** The possibility of lightning strikes was mentioned. It is possible lightning strikes within the Project Site and causes a fire condition (no different than a lightning strike on any other structure or the current crop land). The Solar Facility Safety (Equipment) Features described above would cause the shutdown of the electrical components of the Solar Facility, however, any fire condition resulting from a lightning strike would fall under the decision-making authority of the fire department where it would be their situational determination to contain the fire condition inside the Project Site, enter the Project Site to extinguish the fire condition and/or deem necessary any evacuation procedures of nearby residences.

## 3. Noise

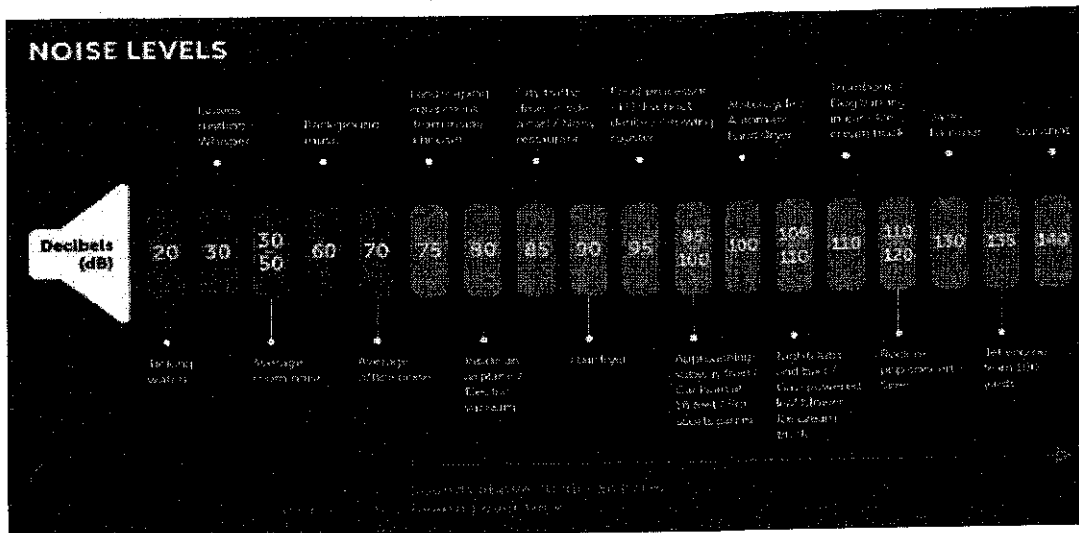
There were concerns raised regarding noise generated by the Solar Facility.

### 3.1 Construction

During construction, there will be "general" construction noise from the operation of various mechanical equipment (vehicle access, trucks, bull dozers, backhoes, pile driving machines etc). Construction will take place Monday through Saturday. As with any construction site, the level of noise will be variable based on the stage of construction and is unavoidable. The installation of the racking system will be the loudest part of construction and is expected to be approximately two weeks.

### 3.2 Operation

- The Solar Facility is monitored remotely while in operation. There will be no daily activity on the Project Site or vehicles on the access road. Scheduled maintenance will occur during regular business hours.
- The Solar Facility is a "single-axis tracking" system, meaning the solar modules follow the sun throughout the day. The motors that operate the tracking systems are moving parts that create noise, however, they are inaudible beyond the perimeter fence that surrounds the project, which is located over 800 feet away from the nearest residential structure, and therefore will not be heard by neighboring properties.
- The inverters will also generate ambient noise when in operation during sunlight hours (they are silent at night). They have been situated within the array area, away from the Project Property boundary line.
- The Project Owner has not purchased the inverters as this will be done after approvals and permits have been obtained and will factor in availability and market conditions. Attached as Appendix I is a "Noise Study" for inverters that will likely be purchased and have been utilized on solar projects which can be compared to the examples of noise levels in the following table. In summary, the inverters will generate between 51-74bDa (decibels) when standing near them, and this sound level will dissipate and become inaudible from the project fence above the ambient noise levels in the surrounding area (i.e. wind and breezes).



#### 4. Hazardous Materials (Modules)

The Project Owner has not purchased the modules as this will be done after approvals and permits have been obtained and will factor in availability and market conditions. Attached as Appendix II is a Toxicity Characteristic Leaching Procedure Study (“TCLP Test”) on solar panels used on prior solar projects. The purpose of a TCLP Test is to determine if any contaminants identified by the United States Environmental Protection Agency (“EPA”) could leach into the soil. A TCLP Test identifies any contaminants, respective concentrations and if they fall under/over the appropriate regulatory levels. The Project Owner will provide the TCLP Test for the specific panels that will be purchased to show they have passed this test.

#### 5. Ground Water (Contamination)

Referring to the prior section relating to hazardous materials, there is no expectation that contaminants exceeding appropriate regulatory levels will be exceeded if leached into the soil. The Project Company does not intend to perform water testing as there is no requirement to perform such testing.

#### 6. Viewsheds / Aesthetics

Questions about views of the solar project can be addressed with a visual assessment, showing where sight lines of the project exist, and where natural screening and topography will block view of it. The attached Line of Sight analysis in Appendix III shows there are limited view corridors from three properties across Church Road. These views are over 800 feet or more away from the solar project. If the Town Board and Planning Board feels that more landscape screening is required, that can be best addressed during Site Plan review.

#### 7. Property Values

The Abutting Property landowners have indicated concerns with reductions in property values. There are arguments/studies supporting opposite sides of the effect on property values due to nearby solar farms with some of the most recent studies trending towards small effects on property values of nearby properties. Matters concerning property values and compensation are a private matter between the Project Owner and Abutting Property owners.

## Appendix I - Noise Study



**Collaboration in Science and Technology Inc.**  
CONSULTANTS IN ACOUSTICS, NOISE, AND VIBRATION

**SUNGROW USA CORP.  
SOLAR INVERTER SKID  
NOISE TEST  
MODEL NO. SG3600UD  
SERIAL NO. A2011215246**

CSTI REPORT NO. R-1259-0  
CSTI PROJECT NO. 6808

7 SEPTEMBER 2021

*Prepared By:*  
CSTI acoustics

*Prepared For:*  
Sungrow USA Corp.  
575 Market Street  
San Francisco, CA 94105

**Revision History**

Rev.	Date	Reason for Issue/Description of Changes	Prepared	Checked	Approved
0	7 Sep 2021	Initial Report Submittal	ASY	ASB	ASB

## TABLE OF CONTENTS

1. INTRODUCTION.....	4
2. TEST CONDITION AND TEST ENVIRONMENT.....	4
3. INSTRUMENTATION .....	6
4. SOUND DATA.....	6
5. SUMMARY.....	7
APPENDIX A: CALIBRATION CERTIFICATES FOR EQUIPMENT .....	8
APPENDIX B: ADDITIONAL SOUND DATA AND CALCULATIONS .....	9

### TABLES

Table 1. Sound Measurement Data, dB .....	7
---	---

### FIGURES

Figure 1. Photo of Solar Inverter Skid (Looking East).....	5
Figure 2. Measurement Positions, Overhead View .....	5

## 1. INTRODUCTION

Collaboration in Science and Technology Inc. (CSTI) was retained by Sungrow USA Corp. (Sungrow) to determine the sound levels of a Solar Inverter Skid with Model No. SG3600UD and Serial No. A2011215246 operating close to nominal power or >90% loading. The measurements and calculations were performed according to the ISO 3746:2010 standard.

Information on the test condition and test environment is presented in Section 2. The sound instrumentation is described in Section 3. The sound measurement data is presented in Section 4. Section 5 summarizes the results of the test. Appendix A presents the calibration certificates of the equipment. Appendix B presents one-third octave band sound data and sound power level calculations.

## 2. TEST CONDITION AND TEST ENVIRONMENT

Sound measurements were made around the field-installed Solar Inverter Skid while it was operating close to nominal power or >90% loading between 2:30 and 3:30 PM on 25 August 2021 at a location near Co. Rd. 322 in El Campo, Texas 77437. Adam Young of CSTI made the measurements.

The Solar Inverter Skid was about 20 ft (6.1 m) long by 8 ft (2.4 m) wide by 9.5 ft (2.9 m) tall. The skid was mounted on a platform that was roughly 3 ft. tall making the total height of the package roughly 12.5 ft. (3.7 m) tall.

The outdoor test environment was free of significant reflecting surfaces.

Measurements of the background (ambient) sound level were made around the Solar Inverter Skid without the transformer fans running (the dominant sound source). However, it was not possible to shut off power to the transformers, and the associated "hum" was present during the ambient measurements. Therefore, ambient corrections were not made to the presented measured operating sound levels (presented in Table 1). The greatest source of actual ambient sound was insects, though a frequency analysis suggests insects did not significantly affect the operational noise measurements.

Figure 1 shows a photo of the Solar Inverter Skid. Figure 2 shows a drawing of an overhead view with the measurement positions marked. Sound measurements were made at 1.25 m from the equipment skid which is roughly the width of the worker access platform. Three measurement "paths" were made: one at a height of 5.5 ft. (1.7 m) above the ground, one at a height of 11 ft. (3.4 m) above the ground, and one at 1.25 m above the top of the unit (4.2 m above the ground).

Figure 1. Photo of Solar Inverter Skid (Looking East)

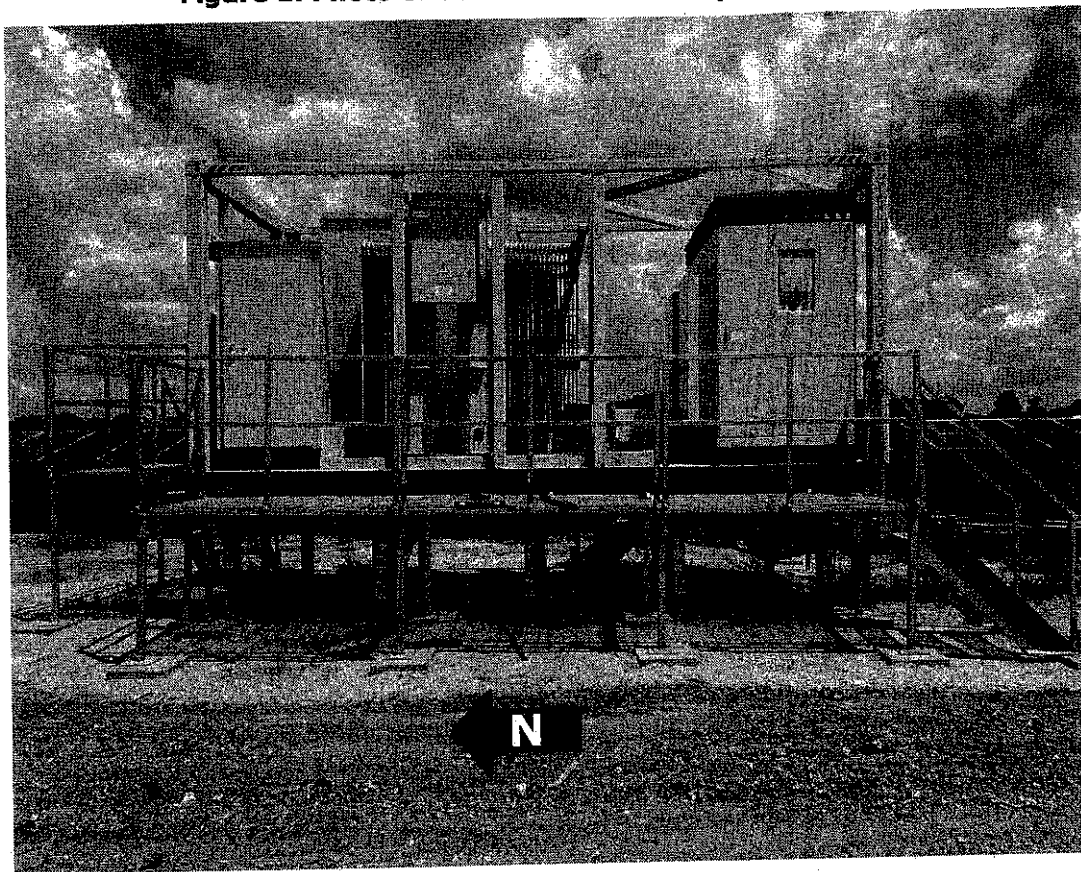
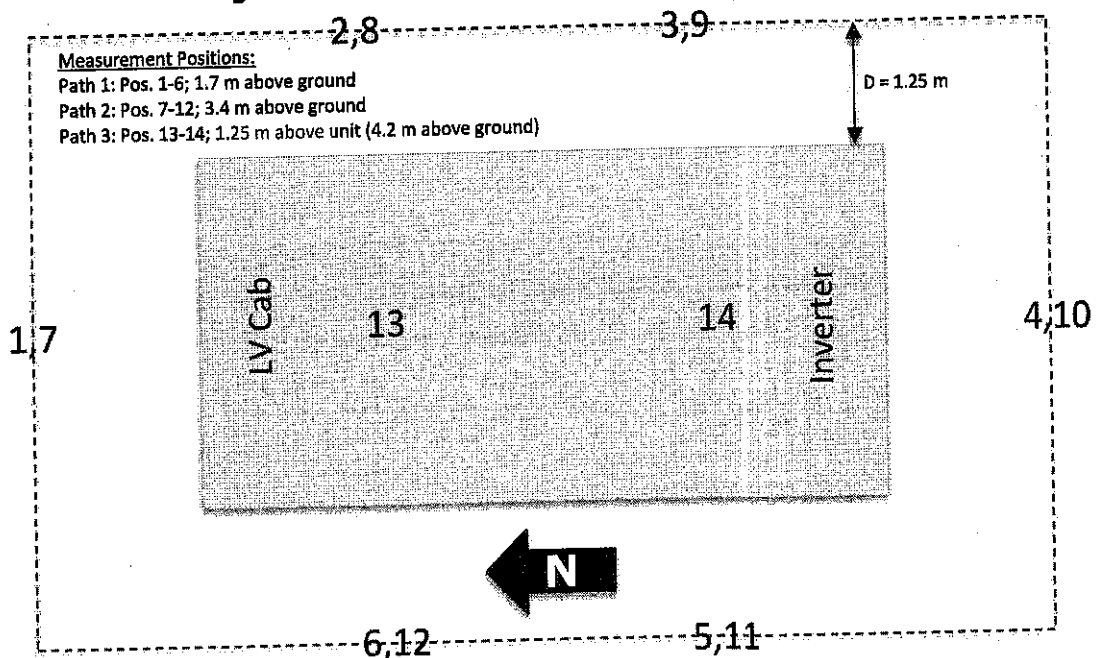


Figure 2. Measurement Positions, Overhead View



### 3. INSTRUMENTATION

Noise measurements were made using the following equipment:

- Rion NL-62 Sound Level Meter, S/N 01030561
- Rion NC-74 Sound Level Calibrator, S/N 34883949

The sound level meter meets the requirements for a Type 1 sound level meter per ANSI S1.4, American National Standard Specification for Sound Level Meters. The sound level meter was calibrated before and after the measurements with the calibrator and showed no significant variation. The calibration certificates for the meter and calibrator are presented in Appendix A.

### 4. SOUND DATA

Twenty-second samples of one-third octave-band and A-weighted sound pressure levels were measured at positions around the package while in operation as called for in the ISO 3746:2010 standard. The measurement positions are shown in Figure 2.

Ambient measurements were also made at the same locations shown in Figure 2, though we did not correct for the ambient due to the transformer noise present during those measurements.

Octave band, A-weighted, and unweighted (dBZ) data for each measurement position are presented in Table 1. Average sound pressure levels and sound *power* levels ( $L_w$ ) are also presented. One-third octave band data and sound power level calculations are presented in Appendix B.

**Table 1. Sound Measurement Data, dB**

Position	Octave Band Center Frequency, Hz									dBA	dBZ
	31.5	63	125	250	500	1000	2000	4000	8000		
1	69	68	68	67	68	63	62	57	52	69.2	75.6
2	66	67	68	67	67	63	63	57	51	68.9	74.6
3	69	68	70	71	75	66	64	62	58	74.3	79.0
4	71	71	74	71	78	71	71	66	64	78.0	81.8
5	69	68	70	71	76	66	63	60	59	74.3	79.2
6	66	67	65	66	69	62	60	56	51	68.7	74.2
7	61	64	64	58	58	54	45	40	35	58.7	69.0
8	65	68	71	65	66	64	59	56	50	68.2	75.2
9	69	69	69	72	75	65	66	61	55	74.0	79.0
10	70	73	74	71	81	71	68	67	62	78.6	83.3
11	69	69	72	72	73	67	65	60	55	73.6	79.0
12	67	68	67	66	70	63	62	58	52	69.9	75.3
13	64	68	68	65	71	60	56	51	47	68.5	74.9
14	69	71	73	71	74	64	63	57	51	72.4	79.2
<b>Average</b>	<b>68</b>	<b>69</b>	<b>71</b>	<b>69</b>	<b>74</b>	<b>66</b>	<b>64</b>	<b>61</b>	<b>57</b>	<b>73.3</b>	<b>78.4</b>
<b>L<sub>w</sub></b>	<b>91</b>	<b>92</b>	<b>93</b>	<b>92</b>	<b>97</b>	<b>88</b>	<b>87</b>	<b>83</b>	<b>80</b>	<b>95.9</b>	<b>100.9</b>

The maximum A-weighted sound pressure level measured was 78.6 dBA, at position 10 on the South side of the package near the Inverter. The maximum A-weighted sound pressure level measured at 1.7 m (ear height) above the ground was 78.0 dBA, at position 4 (also near the Inverter.) The average of all fourteen measurements was 73.3 dBA. The A-weighted sound power level (L<sub>w</sub>) for the package is 95.9 dBA.

## 5. SUMMARY

The sound levels from a Solar Inverter Skid with Model No. SG3600UD and Serial No. A2011215246 were measured.

The maximum A-weighted sound pressure level measured was 78.6 dBA, at position 10 on the South side of the package near the Inverter. The maximum A-weighted sound pressure level measured at 1.7 m (ear height) above the ground was 78.0 dBA, at position 4 (also near the Inverter.) The average of all fourteen measurements was 73.3 dBA. The A-weighted sound power level (L<sub>w</sub>) for the package is 95.9 dBA.



**APPENDIX B: ADDITIONAL SOUND DATA AND CALCULATIONS**

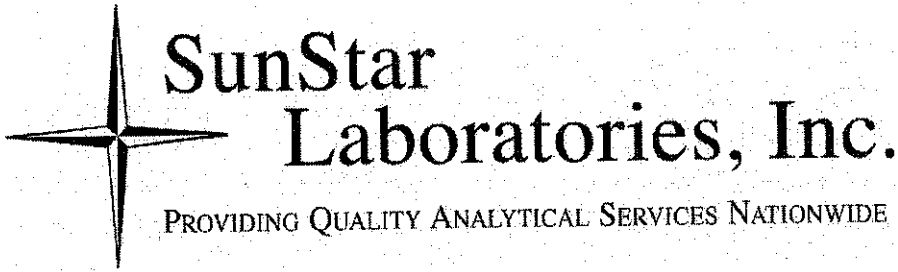
Position	One Third Octave Band Center Frequency, Hz																JBA	dBC											
	31.5	35	40	45	50	56	63	71	80	90	100	112	125	140	160	180													
1	65	65	63	62	64	63	58	67	58	59	64	63	65	64	60	58	59	58	55	59	57	53	47	55	48	46	46	59.2	75.6
2	59	62	61	61	62	64	58	67	58	59	63	63	63	63	59	57	59	57	54	61	56	52	47	55	49	45	45	68.9	74.6
3	64	66	63	64	64	63	62	67	66	68	68	68	71	72	65	63	62	58	57	61	60	60	51	58	53	53	53	74.3	79.0
4	67	67	64	65	67	68	69	71	65	63	65	69	76	73	68	69	64	62	63	67	67	62	56	64	59	60	60	78.0	81.8
5	65	65	63	63	64	63	62	68	65	63	66	68	73	72	67	63	60	59	58	58	59	58	51	55	56	53	53	74.3	79.2
6	58	62	61	61	62	63	55	62	60	59	62	63	65	66	58	59	57	54	54	36	29	37	31	29	30	30	30	66.7	74.2
7	55	57	57	57	58	61	55	63	51	51	52	55	57	52	47	48	50	49	41	41	38	36	29	29	29	29	29	56.7	69.0
8	61	61	60	61	65	64	61	70	59	57	58	63	64	60	59	62	56	56	54	55	54	50	45	55	48	43	44	68.2	75.2
9	65	64	64	65	64	64	62	65	64	65	66	65	69	72	71	65	62	60	59	63	61	57	52	57	53	50	48	74.0	79.0
10	65	66	65	66	70	69	69	73	64	63	65	70	79	75	68	69	65	62	62	64	63	64	57	63	59	55	56	78.6	83.3
11	63	62	60	63	64	62	58	66	60	58	61	63	67	65	62	60	57	58	56	59	55	54	48	56	50	46	45	69.9	75.3
12	58	59	60	64	64	60	61	67	60	59	56	61	68	66	58	55	56	55	51	51	51	48	42	47	44	40	39	68.5	74.9
13	63	65	65	66	67	66	67	70	67	65	64	68	72	68	61	60	60	57	56	60	60	58	55	48	52	48	44	72.4	79.2
Average	63	64	63	64	65	65	64	68	63	62	64	67	72	69	64	63	60	59	58	61	60	57	51	57	53	52	51	73.3	78.4
Lw	86	86	85	86	87	87	86	91	86	85	86	89	94	92	86	86	83	81	80	83	82	80	73	80	76	74	74	95.9	100.9

Unit Dimensions	in	m
11	240	6.1
12	96	2.4
13	150	3.8

Meas. Distance, m	1.25
Measurement Surface Area	
a	4.3 m
b	2.5 m
c	5.1 m
S	179.4 m <sup>2</sup>
Lw Corr.	22.5 dB



## Appendix II - Toxicity Characteristic Leaching Procedure Study



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

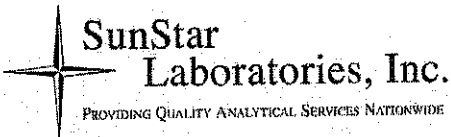
24 January 2022

Ralph Alvarado  
Hanwha Q CELLS  
400 Spectrum Center Drive, Ste 1400  
Irvine, CA 92618  
RE: Solar Pane Q-Peak DUO XL-G10-3/BFG

Enclosed are the results of analyses for samples received by the laboratory on 01/17/22 14:08. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin  
Director of Operations



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sample 1	T220114-01	Soil	01/17/22 00:00	01/17/22 14:08
Sample 2	T220114-02	Soil	01/17/22 00:00	01/17/22 14:08
Sample 3	T220114-03	Soil	01/17/22 00:00	01/17/22 14:08

SunStar Laboratories, Inc.

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**DETECTIONS SUMMARY**

Sample ID:	Sample 1	Laboratory ID:	T220114-01			
Analyte	Result	Reporting Limit	Units	Method	Notes	
Lead	1.8	0.10	mg/l	EPA 1311/6010/7000		

Sample ID:	Sample 2	Laboratory ID:	T220114-02			
Analyte	Result	Reporting Limit	Units	Method	Notes	
Barium	0.11	0.10	mg/l	EPA 1311/6010/7000		
Lead	2.7	0.10	mg/l	EPA 1311/6010/7000		

Sample ID:	Sample 3	Laboratory ID:	T220114-03			
Analyte	Result	Reporting Limit	Units	Method	Notes	
Lead	1.8	0.10	mg/l	EPA 1311/6010/7000		

SunStar Laboratories, Inc.

*Joann Marroquin*

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**Sample 1**  
**T220114-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	2.8	ug/l	1	2011848	01/18/22	01/21/22	EPA 1311/7470	
Arsenic	ND	0.10	mg/l	"	2011847	01/18/22	01/21/22	EPA 1311/6010/7 000	
Barium	ND	0.10	"	"	"	"	"	"	
Cadmium	ND	0.10	"	"	"	"	"	"	
Chromium	ND	0.10	"	"	"	"	"	"	
Lead	1.8	0.10	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**Sample 2**  
**T220114-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	2.8	ug/l	1	2011848	01/18/22	01/21/22	EPA 1311/7470	
Arsenic	ND	0.10	mg/l	"	2011847	01/18/22	01/21/22	EPA 1311/6010/7 000	
Barium	0.11	0.10	"	"	"	"	"	"	
Cadmium	ND	0.10	"	"	"	"	"	"	
Chromium	ND	0.10	"	"	"	"	"	"	
Lead	2.7	0.10	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

*Joann Marroquin*

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**Sample 3**  
**T220114-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Mercury	ND	2.8	ug/l	1	2011848	01/18/22	01/21/22	EPA 1311/7470	
Arsenic	ND	0.10	mg/l	"	2011847	01/18/22	01/21/22	EPA 1311/6010/7 000	
Barium	ND	0.10	"	"	"	"	"	"	
Cadmium	ND	0.10	"	"	"	"	"	"	
Chromium	ND	0.10	"	"	"	"	"	"	
Lead	1.8	0.10	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

*Joann Marroquin*

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**TCLP Metals by 6000/7000 Series Methods - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2011847 - TCLP Metals**

Prepared: 01/18/22 Analyzed: 01/21/22

**Blank (2011847-BLK1)**

Arsenic	ND	0.10	mg/l							
Barium	ND	0.10	"							
Cadmium	ND	0.10	"							
Chromium	ND	0.10	"							
Lead	ND	0.10	"							
Selenium	ND	0.10	"							
Silver	ND	0.10	"							

**LCS (2011847-BS1)**

Prepared: 01/18/22 Analyzed: 01/21/22

Arsenic	0.563	0.10	mg/l	0.500		113	75-125			
Barium	0.506	0.10	"	0.500		101	75-125			
Cadmium	0.548	0.10	"	0.500		110	75-125			
Chromium	0.509	0.10	"	0.500		102	75-125			
Lead	0.503	0.10	"	0.500		101	75-125			

**Matrix Spike (2011847-MS1)**

Source: T220114-01

Prepared: 01/18/22 Analyzed: 01/21/22

Arsenic	0.539	0.10	mg/l	0.500	ND	108	75-125			
Barium	0.589	0.10	"	0.500	0.0908	99.6	75-125			
Cadmium	0.538	0.10	"	0.500	0.000186	108	75-125			
Chromium	0.500	0.10	"	0.500	0.00182	99.5	75-125			
Lead	2.31	0.10	"	0.500	1.76	111	75-125			

**Matrix Spike Dup (2011847-MSD1)**

Source: T220114-01

Prepared: 01/18/22 Analyzed: 01/21/22

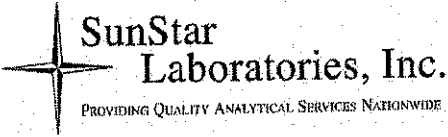
Arsenic	0.538	0.10	mg/l	0.500	ND	108	75-125	0.227	30	
Barium	0.592	0.10	"	0.500	0.0908	100	75-125	0.592	30	
Cadmium	0.536	0.10	"	0.500	0.000186	107	75-125	0.386	30	
Chromium	0.500	0.10	"	0.500	0.00182	99.6	75-125	0.0142	30	
Lead	2.31	0.10	"	0.500	1.76	109	75-125	0.390	30	

SunStar Laboratories, Inc.

*Joann Marroquin*

Joann Marroquin, Director of Operations

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**TCLP Metals by 6000/7000 Series Methods - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2011848 - TCLP Hg CV</b>										
<b>Blank (2011848-BLK1)</b>										
Prepared: 01/18/22 Analyzed: 01/21/22										
Mercury	ND	2.8	ug/l							
<b>LCS (2011848-BS1)</b>										
Prepared: 01/18/22 Analyzed: 01/21/22										
Mercury	6.53	2.8	ug/l	7.00		93.3	75-125			
<b>Matrix Spike (2011848-MS1)</b>										
Source: T220114-01 Prepared: 01/18/22 Analyzed: 01/21/22										
Mercury	7.07	2.8	ug/l	7.00	0.0124	101	75-125			
<b>Matrix Spike Dup (2011848-MSD1)</b>										
Source: T220114-01 Prepared: 01/18/22 Analyzed: 01/21/22										
Mercury	6.85	2.8	ug/l	7.00	0.0124	97.6	75-125	3.16	30	

SunStar Laboratories, Inc.

*Joann Marroquin*

Joann Marroquin, Director of Operations

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Hanwha Q CELLS 400 Spectrum Center Drive, Ste 1400 Irvine CA, 92618	Project: Solar Pane Q-Peak DUO XL-G10-3/BFG Project Number: - Project Manager: Ralph Alvarado	Reported: 01/24/22 16:35
---	---	-----------------------------

**Notes and Definitions**

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

Joann Marroquin, Director of Operations

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T220114  
 Client Name: Hanwha Q Cells Project: Solar Pane Q. Peak  
 Delivered by:  Client  SunStar Courier  GLS  FedEx  UPS  
 If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_  
 Lab Received by: Jean Date/Time Lab Received: 1.17.22 1408

Total number of coolers received:		Thermometer ID: SC-1	Calibration due :8/24/22
Temperature: Cooler #1	°C +/- the CF (+0.1 °C) =	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (+0.1 °C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (+0.1 °C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>IF NO:</b>			
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet	
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet	

Custody seals intact on cooler/sample  Yes  No\*  N/A  
 Sample containers intact  Yes  No\*  
 Sample labels match Chain of Custody IDs  Yes  No\*  
 Total number of containers received match COC  Yes  No\*  
 Proper containers received for analyses requested on COC  Yes  No\*  
 Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A  
 Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times  Yes  No\*  
 \* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: BB 1.17.22

Comments: \_\_\_\_\_  
 \_\_\_\_\_



**WORK ORDER**

**T220114**

<b>Client:</b> Hanwha Q CELLS	<b>Project Manager:</b> Joann Marroquin
<b>Project:</b> Solar Pane Q-Peak DUO XL-G10-3/BFG	<b>Project Number:</b> -

**Report To:**

Hanwha Q CELLS  
 Ralph Alvarado  
 400 Spectrum Center Drive, Ste 1400  
 Irvine, CA 92618

<b>Date Due:</b> 01/24/22 17:00 (5 day TAT)	<b>Date Received:</b> 01/17/22 14:08
<b>Received By:</b> Joann Marroquin	<b>Date Logged In:</b> 01/17/22 14:19
<b>Logged In By:</b> Joann Marroquin	

<b>Samples Received at:</b>			
<b>Custody Seals</b>	No	<b>Received On Ice</b>	No
<b>Containers Intact</b>	Yes		
<b>COC/Labels Agree</b>	Yes		
<b>Preservation Confirmed</b>	No		

Analysis	Due	TAT	Expires	Comments
<b>T220114-01 Sample 1 [Soil] Sampled 01/17/22 00:00 (GMT-08:00) Pacific Time (US &amp;</b>				
TCLP Leaching Procedure Metals	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
TCLP RCRA 8	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
<b>T220114-02 Sample 2 [Soil] Sampled 01/17/22 00:00 (GMT-08:00) Pacific Time (US &amp;</b>				
TCLP Leaching Procedure Metals	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
TCLP RCRA 8	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
<b>T220114-03 Sample 3 [Soil] Sampled 01/17/22 00:00 (GMT-08:00) Pacific Time (US &amp;</b>				
TCLP Leaching Procedure Metals	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
TCLP RCRA 8	01/24/22 15:00	5	07/16/22 00:00	Use Sample 04 to complete the 100g weight requirement for samples 01-03
<b>T220114-04 Sample 4 [Soil] Sampled 01/17/22 00:00 (GMT-08:00) Pacific Time (US &amp;</b>				
				Use this sample to complete the 100g weight requirement for samples 01-03
<b>[NO ANALYSES]</b>				



WORK ORDER

T220114

Client: Hanwha Q CELLS	Project Manager: Joann Marroquin
Project: Solar Pane Q-Peak DUO XL-G10-3/BFG	Project Number: -

Analysis groups included in this work order

TCLP RCRA 8

sub TCLP RCRA 8                      sub TCLP Hg CV



Excelchem Laboratories, Inc.  
A Silver State Analytical Company

## TCLP

### Toxicity Characteristic Leaching Procedure Regulatory Levels

Metals	TCLP Reg Level	units
Arsenic	5.0	mg/L
Barium	100.0	mg/L
Cadmium	1.0	mg/L
Chromium	5.0	mg/L
Lead	5.0	mg/L
Mercury	0.2	mg/L
Selenium	1.0	mg/L
Silver	5.0	mg/L

Volatile Organics	TCLP Reg Level	units
Benzene	0.5	mg/L
Carbon Tetrachloride	0.5	mg/L
Chlorobenzene	100.0	mg/L
Chloroform	6.0	mg/L
1,4-Dichlorobenzene	7.5	mg/L
1,2-Dichloroethane	0.5	mg/L
1,1-Dichloroethylene	0.7	mg/L
Methyl Ethyl Ketone	200.0	mg/L
tetrachloroethylene	0.7	mg/L
Trichloroethylene	0.5	mg/L
Vinyl Chloride	0.2	mg/L

Semi-Volatile Organics	TCLP Reg Level	units
o-Creosol*	200.0	mg/L
m-Creosol*	200.0	mg/L
p-Creosol*	200.0	mg/L
Creosol*	200.0	mg/L
2,4-Dinitrotoluene**	0.1	mg/L
Hexachlorobenzene**	0.1	mg/L
Hexachlorobutadiene	0.5	mg/L
Hexachloroethane	3.0	mg/L
Nitrobenzene	2.0	mg/L
Petachlorophenol	100.0	mg/L
Pyridine**	5.0	mg/L
2,4,5-Trichlorophenol	400.0	mg/L
2,4,6-Trichlorophenol	2.0	mg/L

\* If o-, m-, and p-Creosol cannot be differentiated, total Creosol can be used.

\*\* Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.



**Excelchem Laboratories, Inc.**  
A Silver State Analytical Company

## TCLP

### Toxicity Characteristic Leaching Procedure Regulatory Levels

<b>Organochlorine Pesticides</b>	<b>TCLP Reg Level</b>	<b>units</b>
Chlordane	0.03	mg/L
Endrin	0.02	mg/L
Heptachlor (and Heptachlor Epoxide)	0.008	mg/L
Lindane (gamma-BHC)	0.40	mg/L
Methoxychlor	10.0	mg/L
Toxaphene	0.50	mg/L

<b>Chlorophenoxy Acid Herbicides</b>	<b>TCLP Reg Level</b>	<b>units</b>
2,4-D	10.0	mg/L
2,4,5-TP (Silvex)	1.0	mg/L

## Appendix III - Visual Line of Sight Assessment



**BERGMANN**  
ARCHITECTS, ENGINEERS, PLANNERS

100 East Grand Street, Suite 600  
Barnaby, NY 14040  
Tel: 607-754-1100  
Fax: 607-754-1101  
www.bergmann.com

**NY BENNINGTON 1, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14040

Date Issued: \_\_\_\_\_ Description: \_\_\_\_\_

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Copyright © Bergmann Associates, Architects, Engineers,  
Planners & Interiors Consultants, LLC 2012

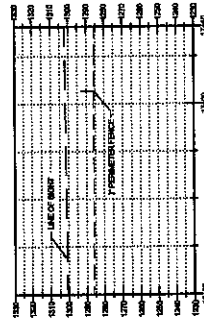
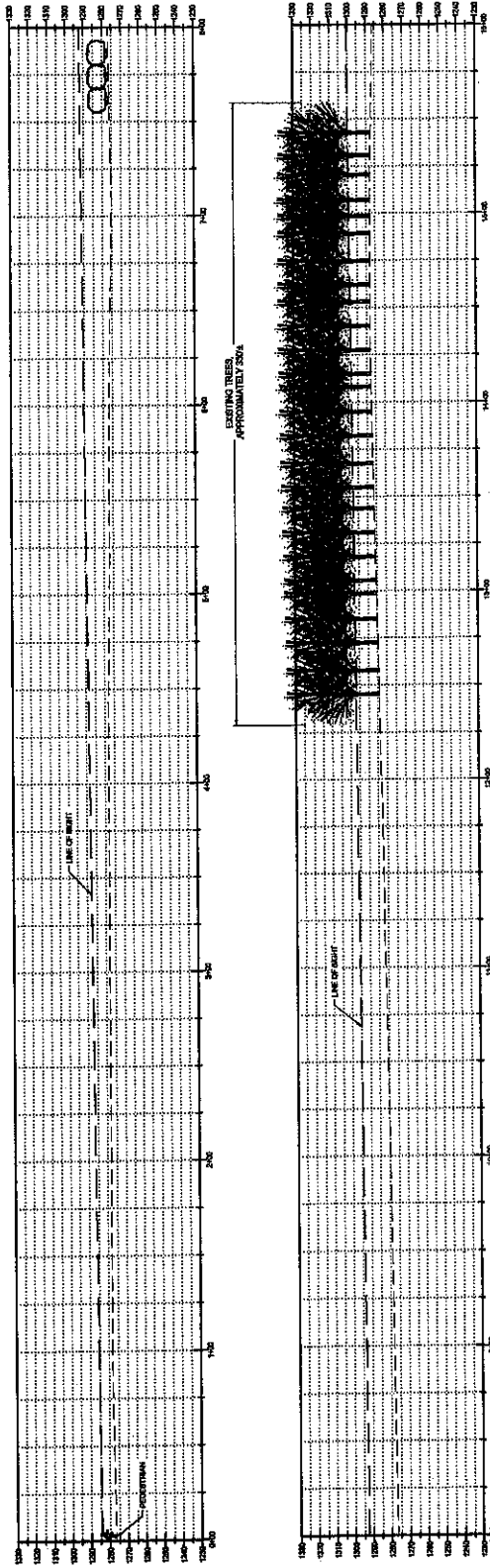
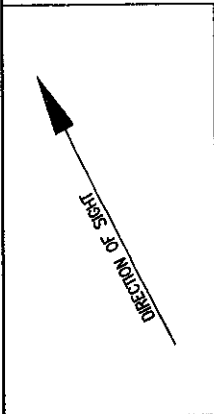
Project Manager	David L. Lutz
MEP	DM
Structural	DM
Electrical	DM
Plumbing	DM
Interior	DM
Exterior	DM
Site	DM
Other	DM

**LINE OF SIGHT PROFILE  
PLAN**

Sheet Number

**LOS-6**

1 of 1



**LINE OF SIGHT PROFILE 6**



**BERGMANN**  
ARCHITECTS • ENGINEERS • PLANNERS

200 East Street, Suite 400  
Bennington, NY 12501  
www.bergmann.com  
PH: 518.534.2100

**NY BENNINGTON I, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14040

Client:

**BERGMANN  
NYE PARR  
CONSTRUCTION**

Copyright © Bergmann Architects, Engineers, Planners,  
Landscape Architects & Surveyors, LLC

Project Name	Church Road
City	NY
County	Bennington
Scale	AS SHOWN
Date Issued	10/20/11
Sheet No.	10111

**LINE OF SIGHT PROFILE  
PLAN**

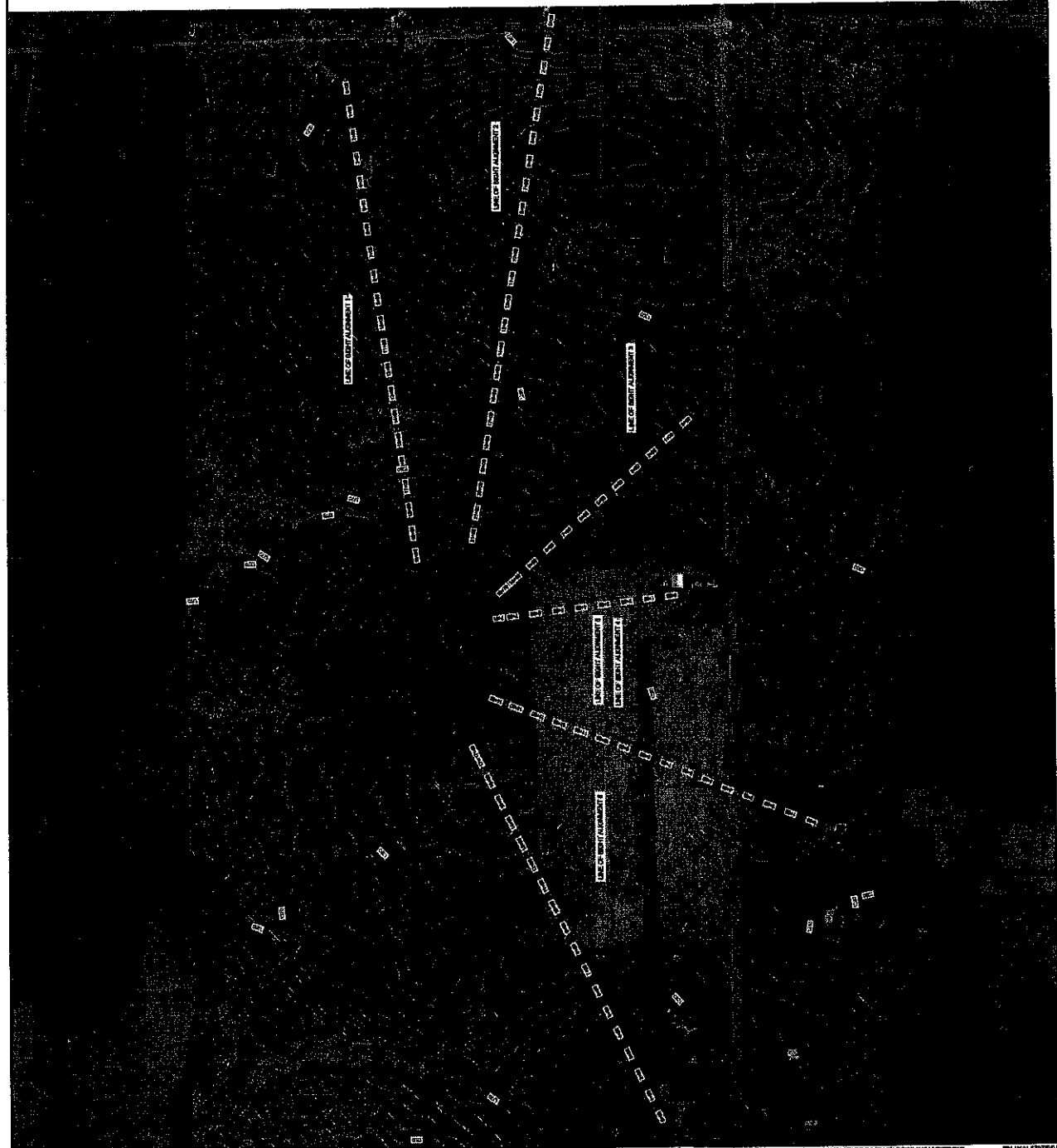
Drawing Number

**LOS**

10111

**LEGEND**

- PROPERTY LINE
- SET BACK LINE
- WETLAND SET BACK
- STONE WALL
- ADJACENT PROPERTY LINE
- ROAD RIGHT-OF-WAY
- EXISTING ROAD CENTERLINE
- EXISTING DRIVEWAY WALK
- EXISTING STREAM CENTERLINE
- PROPOSED DRIVEWAY
- PROPOSED UNDERGROUND UTILITY LINE
- LINE OF PERFORMANCE
- PROPOSED TRENCH
- SET FENCE
- PROFILE ALIGNMENT
- EXISTING EDGE OF ANIMAL EXERCISE TRENCH
- PROPOSED DRIVEWAY
- PAVING/CONCRETE INCLUDING PAV
- PROPOSED SOLAR PANEL
- EXISTING UTILITY POLE





**BERGMANN**  
ARCHITECTS INTERIORS PLANNERS

200 East Second Street, Suite 8200  
Babylon, NY 11702  
Tel: 631.542.1200  
Fax: 631.542.1201

**NY BENNINGTON 1, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14940

Date: 08/20/14

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Copyright © 2014 by Bergmann Architects, Inc. All Rights Reserved.

Project Manager	Design Lead
DES	DES
Designer	Checker
SA	SA
Scale	Plot Number
1/8" = 1'-0"	1374-037
Sheet Name	

**LINE OF SIGHT PROFILE  
PLAN**

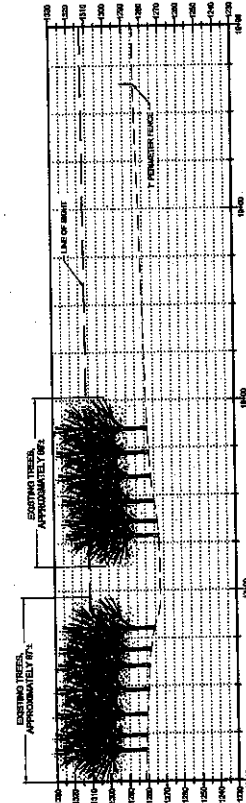
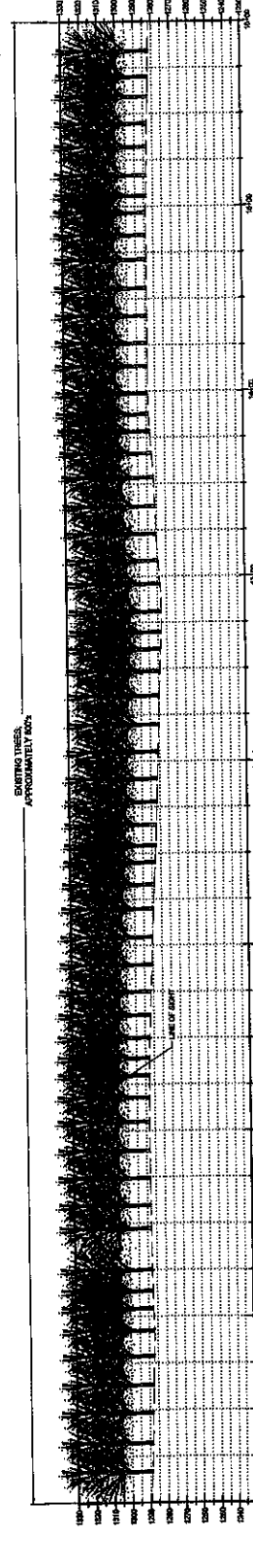
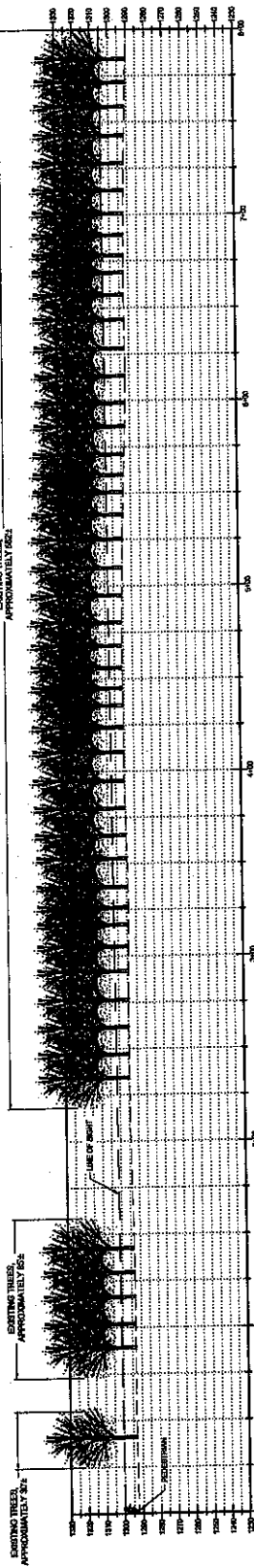
Drawing Number

**LOS-1**



**DIRECTION OF SIGHT**

**LOCATION MAP**



**LINE OF SIGHT PROFILE 1**





**BERGMANN**  
ARCHITECTS ENGINEERS PLANNERS

100 East 17th Street, Suite 600  
New York, NY 10011  
www.bergmann.com  
Phone: 212.279.2100

**NY BENNINGTON 1, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14040

Date Issued: \_\_\_\_\_  
Drawing No: \_\_\_\_\_

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Created by: Robert A. Berman, AIA, P.E., P.L.L.C.  
Checked by: Robert A. Berman, AIA, P.E., P.L.L.C.

Project Manager	Robert A. Berman
Architect	Robert A. Berman
Engineer	Robert A. Berman
Planner	Robert A. Berman
Checker	Robert A. Berman
Date Issued	02/27/2013
Project Number	1077233
Sheet Name	LINE OF SIGHT PROFILE PLAN

**LINE OF SIGHT PROFILE  
PLAN**

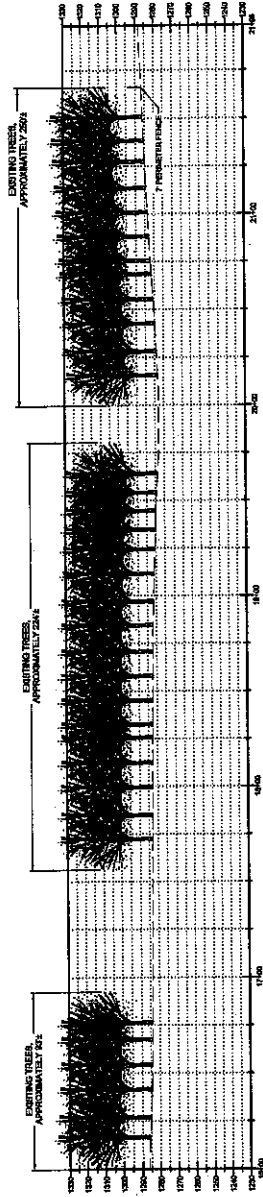
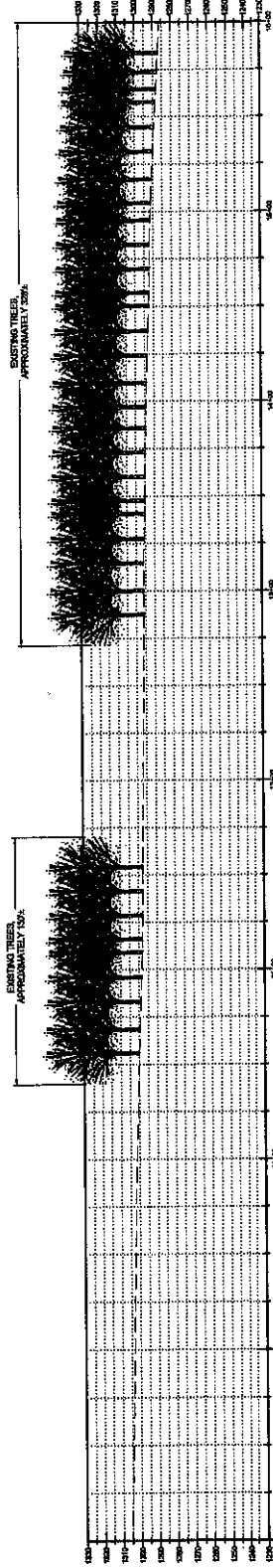
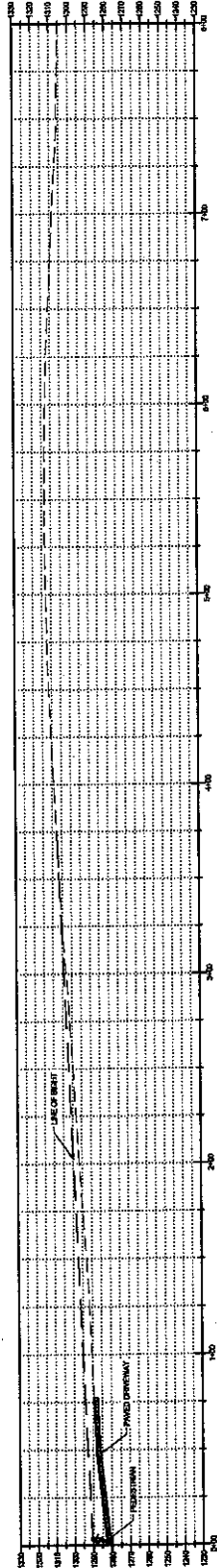
Drawing Number:

**LOS-2**



DIRECTION OF SIGHT

LOCATION MAP



**LINE OF SIGHT PROFILE 2**





**BERGMANN**  
ARCHITECTS REGISTERED PROFESSIONALS

100 West 11th Street, Suite 800  
New York, NY 10011  
www.bergmannarch.com  
tel: 212.512.2158

**NY BENNINGTON 1, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14040

Date: 08/14/12

PRELIMINARY  
NOT FOR  
CONSTRUCTION

Copyright © Bergmann Architects, Architects, Engineers,  
Interior Designers, Landscape Architects, 07/12

Project Name	Church Road
Client	NY Bennington 1, LLC
Design	Site
Date Issued	08/14/12
Project Number	12080001
Sheet Name	LOS 03

**LINE OF SIGHT PROFILE  
PLAN**

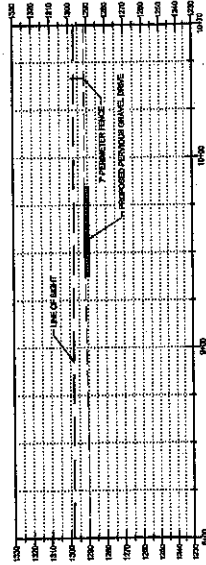
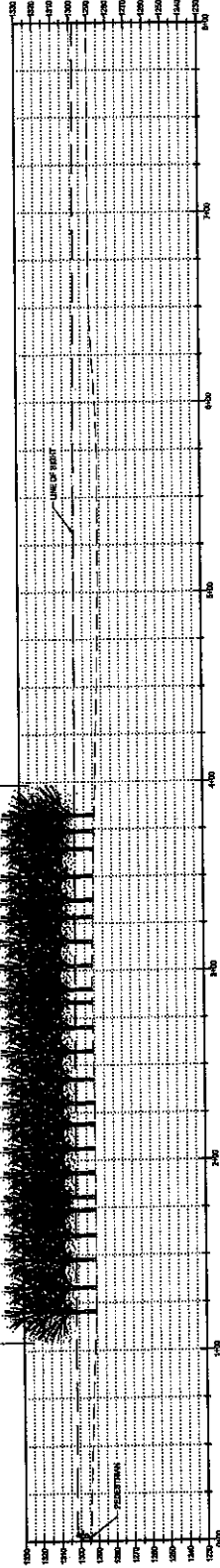
Sheet Number

**LOS<sub>03</sub>**



LOCATION MAP

EXISTING TREES,  
APPROXIMATELY 25%  
1400 1450 1500 1550 1600 1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400 2450 2500 2550 2600 2650 2700 2750 2800 2850 2900 2950 3000 3050 3100 3150 3200 3250 3300 3350 3400 3450 3500 3550 3600 3650 3700 3750 3800 3850 3900 3950 4000 4050 4100 4150 4200 4250 4300 4350 4400 4450 4500 4550 4600 4650 4700 4750 4800 4850 4900 4950 5000 5050 5100 5150 5200 5250 5300 5350 5400 5450 5500 5550 5600 5650 5700 5750 5800 5850 5900 5950 6000 6050 6100 6150 6200 6250 6300 6350 6400 6450 6500 6550 6600 6650 6700 6750 6800 6850 6900 6950 7000 7050 7100 7150 7200 7250 7300 7350 7400 7450 7500 7550 7600 7650 7700 7750 7800 7850 7900 7950 8000 8050 8100 8150 8200 8250 8300 8350 8400 8450 8500 8550 8600 8650 8700 8750 8800 8850 8900 8950 9000 9050 9100 9150 9200 9250 9300 9350 9400 9450 9500 9550 9600 9650 9700 9750 9800 9850 9900 9950 10000



**LINE OF SIGHT PROFILE 3**





**BERGMANN**  
SURVEYING & ENGINEERING P.C.

150 East 42nd Street, Suite 2002  
New York, NY 10017  
Tel: (212) 692-1234  
Fax: (212) 692-1235

**NY BENNINGTON I, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14640

DATE: 10/15/14

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

Copyright © 2014 Bergmann, Surveys & Engineers, P.C.

Project Manager	David J. Bergmann
Client	NY BENNINGTON I, LLC.
Scale	AS SHOWN
Sheet No.	10/15/14

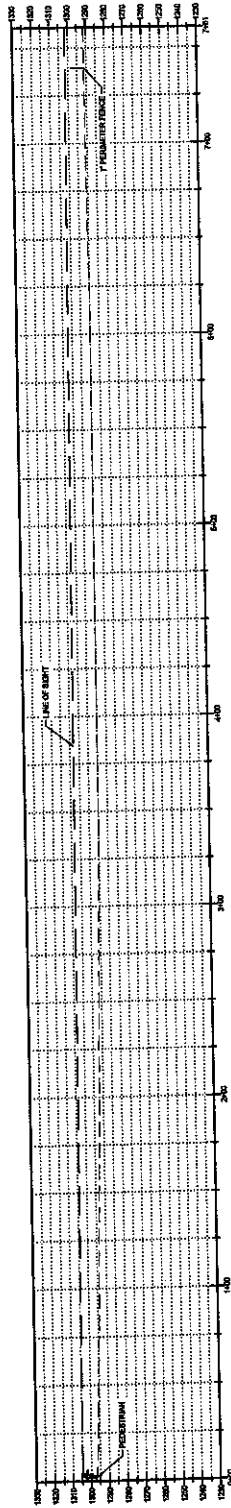
**LINE OF SIGHT PROFILE  
PLAN**

**LOS-4**



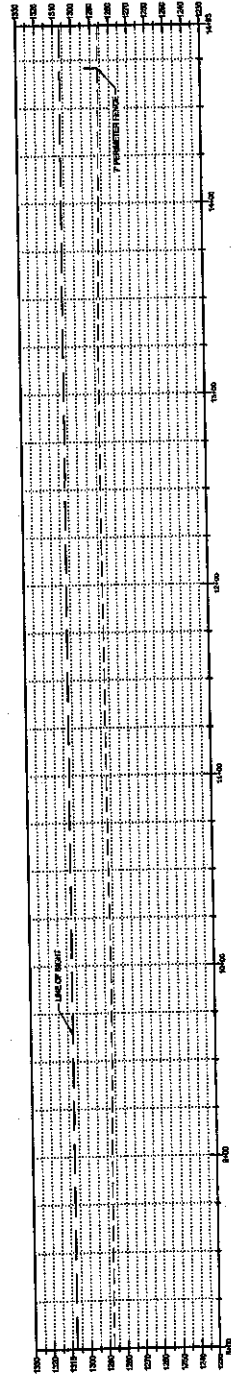
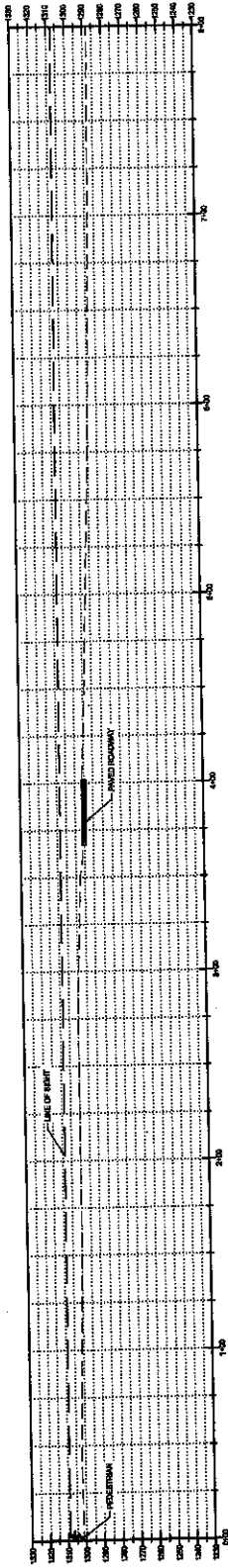
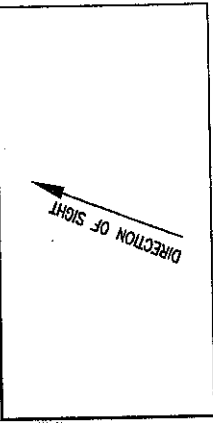
DIRECTION OF SIGHT

LOCATION MAP



**LINE OF SIGHT PROFILE 4**





LINE OF SIGHT PROFILE 5



**BERGMANN**  
ARCHITECTS REGISTERED PLANNERS

240 East Broad Street, Suite 4000  
Ithaca, NY 14850  
Tel: 607.255.1100  
Fax: 607.255.1100

**NY BENNINGTON I, LLC.**

**CHURCH ROAD  
SOLAR FARM  
PROJECT**

CHURCH ROAD  
BENNINGTON, NY 14840

Scale: 1" = 100'-0"

**PRELIMINARY  
REF FOR  
CONSTRUCTION**

Copyright © 2015 Bergmann Architects, Inc. All Rights Reserved.

Project Manager	Design Lead
Designer	Checker
Client	Project Number
Date	Sheet Number

**LINE OF SIGHT PROFILE  
PLAN**

Drawing Number: **LOS-5**  
Sheet of 1