

Calverton Solar Energy Center

22.9-MW AC Solar Project

Suffolk County, NY

Special Permit and Site Plan

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the Planning Board of the town of Riverhead by Planning Board Resolution number _____ dated _____ Signature by Planning Board Chairperson _____ Date of signature _____

Earthwork

Item	Cut	Fill
Existing Building	0 CY	4,000 CY
Basin Grading	29,300 CY	0 CY
Site Grading	36,300 CY	61,600 CY
Total	65,600 CY	65,600 CY

QUANTITIES SHOWN ARE IN-PLACE ESTIMATES
NO SHRINK OR SWELL IS ASSUMED
NO GROUND LOSS IS INCLUDED
NO TRENCH SPOILS ARE INCLUDED
NO TOPSOIL STRIPPING INCLUDED
*CONTRACTOR SHALL REFER TO PROJECT GEOTECHNICAL REPORT FOR ASSUMPTIONS FOR SOIL LOSSES

Item

Item	Quantity
Security Fence Length	19,850 LF
24' Swing Gates	1 EA.
16' Swing Gates	1 EA.
Access Road Centerline Length	5,740 LF
Silt Fence	5,740 LF
Rock Construction Entrance	2 EA.
Inverters (11 EA)	3,960 SF
Substation Pad	21,200 SF

PROJECT OWNER/DEVELOPER

LI SOLAR GENERATION, LLC
700 UNIVERSE BOULEVARD,
JUNO BEACH, FL
CONTACT: ROSS GROFFMAN, EXECUTIVE DIRECTOR
PHONE: (561) 304-5783

CIVIL PROJECT MANAGER

WESTWOOD SURVEYING AND ENGINEERING P.C.
12701 WHITEWATER DRIVE, SUITE 300,
MINNETONKA, MN
CONTACT: AUGUST CHRISTENSEN,
PHONE: (952) 906-7430

PROJECT CIVIL ENGINEER OF RECORD

WESTWOOD SURVEYING AND ENGINEERING P.C.
12701 WHITEWATER DRIVE, SUITE 300,
MINNETONKA, MN
CONTACT: STEVE WINDINGLAND, P.E.
PHONE: (214) 473-4653

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PROJECT DESCRIPTION

22.9 MW-AC FIXED SOLAR ARRAY PROJECT

PROJECT LOCATION

LATITUDE= 40° 54' 43.20"
LONGITUDE= -72° 45' 39.96"

LEGAL DESCRIPTION

SEE ALTA FOR LEGAL DESCRIPTION

PROJECT COORDINATE SYSTEM

NSRS 2011 NEW YORK STATE PLANE, LONG ISLAND,
US FOOT

BASIS OF ELEVATION

CONTOURS SHOWN WERE GENERATED FROM THE ALTA
SURVEY PROVIDED BY LAND DESIGN ASSOCIATES ON
01/19/2018

PROJECT ZONING

ZONING DISTRICT- (IND C) INDUSTRIAL C

LAND OWNERS

CALVERTON PROPERTIES INC., BASHI CALVERTON LINKS LLC.

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

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Drawn: BTB

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Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

Calverton Solar
Energy Center

Suffolk County, NY

Cover

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: T.100

0014225-CYF01.dwg

Regional Map

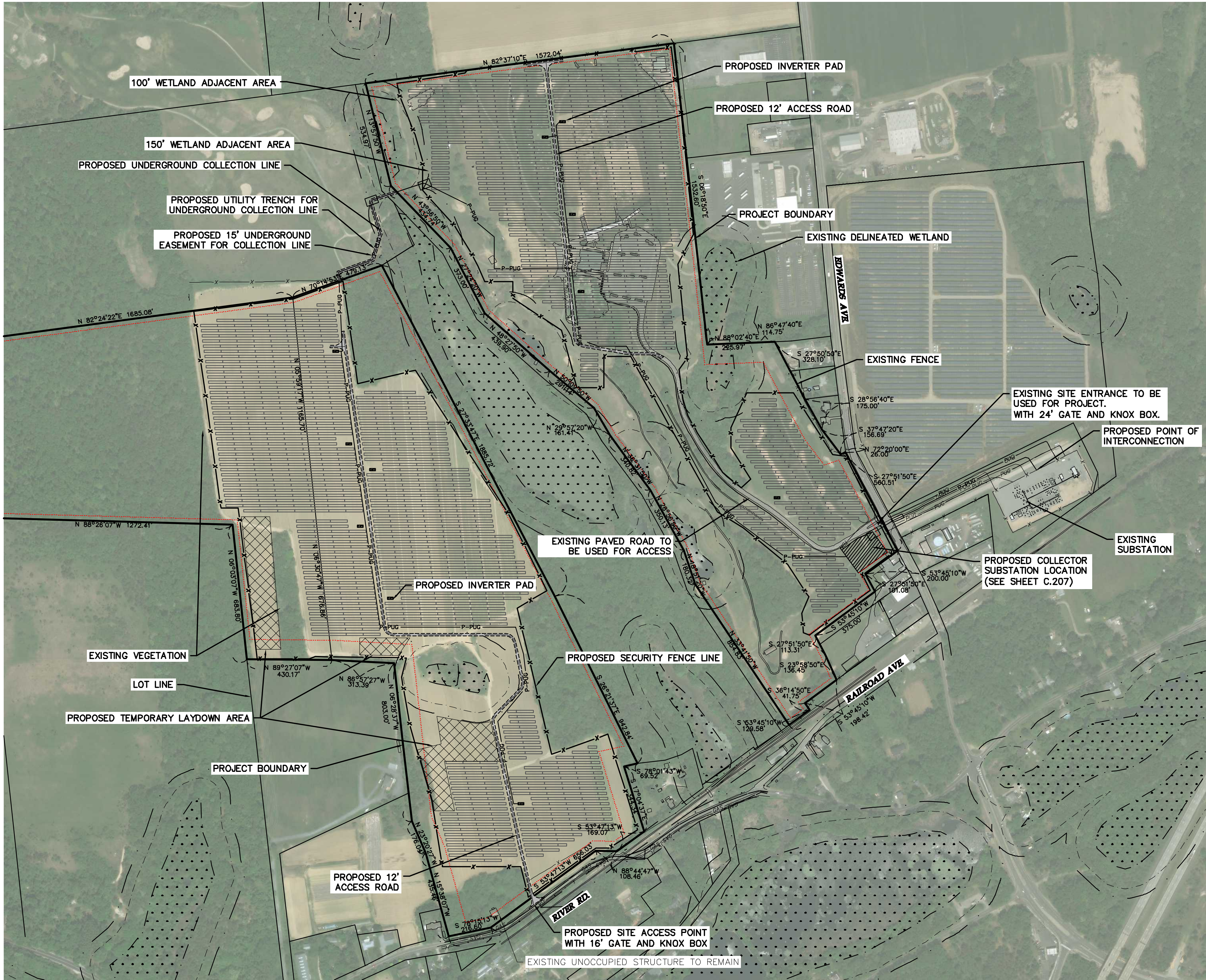


SOURCE: MAP DATA ©2018 GOOGLE (NOT TO SCALE)

Vicinity Map



SOURCE: MAP DATA ©2018 GOOGLE (NOT TO SCALE)



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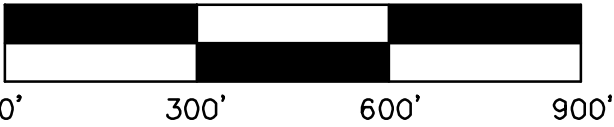
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- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION LINE
- ZONING SETBACK LINE

GENERAL ELECTRICAL NOTES

- PV FACILITY RATING IS 22.9 MW-AC.
- INVERTER: 11 INVERTERS IN FACILITY.
 - 1,584 FIXED TILT TABLES (8 STRINGS PER TABLE)
 - ROW TO ROW SPACING: 26'
- STEP-UP TRANSFORMERS
 - (11) 34.5kV MEDIUM VOLTAGE TRANSFORMERS

Project Disturbance Limits	Area (acres)
East	54.743
West	71.124

	Requirement	East Proposed	West Proposed
Minimum Lot Area	6 acres	82.486	115.18
Maximum Lot Coverage	75%	53.14%	41.65%
Maximum Height (Ground-Mounted Panels)	8 feet	8 feet	8 feet
Minimum Natural Open Space	25%	46.76%	55.70%
Minimum Setback to Residential Building/Zoning Districts	100 feet	105.3 feet	109.8 feet
Minimum Setback/Buffer to Commercial/Industrial Property	25 feet	32.8 feet	42.5 feet
Minimum Vegetated Perimeter Buffer	25 feet (adj. properties)	32.8 feet	42.5 feet
Minimum Vegetated Perimeter Buffer	50 feet (along roads)	51.3 feet	105.2 feet



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Prepared for:

LI SOLAR
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700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Overall Site Plan

Issued For Review
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Date: 01/10/2019

Drawing No: C.100



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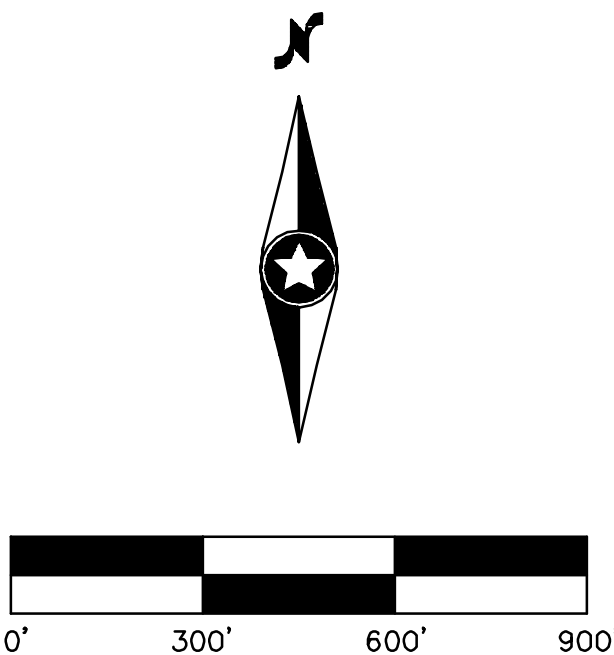
Suffolk County, NY

Site Setbacks

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Date: 01/10/2019

Drawing No: C.101



LEGEND:

EXISTING PROPERTY LINE
ADJACENT PARCEL OWNER PROPERTY NUMBER
PROJECT SITE

Property Number	Owner	Address	Land Use
1	Westbury Properties	Peconic Ave.	Commercial
2	Bashi Calverton Links LLC.		Commercial
3	Calverton Group		Agricultural
4	Bolla Edwards Realty LLC.	407 Edwards Ave.	Agricultural
5	Riverhead Central School District	337 Edwards Ave.	Commercial
6	Michael Owen	313 Edwards Ave.	Residential
7	Ratto Enterprises LLC.	305 Edwards Ave.	Commercial
8	Hampton Jitney INC.	395 Edwards Ave.	Commercial
9	Palatial Real Estate LLC.	215 Edwards Ave.	Commercial
10	Erick Ojeda	199 Edwards Ave.	Residential
11	183 Edwards Corp.	183 Edwards Ave.	Residential
12	Grabdis LABD Holding LLC.	194 Edwards Ave.	Industrial
13	Long Island Lighting Company	132 Edwards Ave.	Industrial
14	Do Well Properties	120 Edwards Ave.	Industrial
15	Melo Calverton LLC.	104 Edwards Ave. CA	Commercial
16	Pazera Capital #1 LLC.	121 Edwards Ave.	Commercial
17	Old Mill Realty LLC.	109 Edwards Ave.	Commercial
18	Old Mill Realty LLC.	101 Edwards Ave.	Commercial
19	Pazera Capital #1 LLC.	121 Edwards Ave.	Commercial
20	County of Suffolk	Edwards Ave.	Vacant (Wooded)
21	Dedra Kimensky	79 Railroad Ave.	Residential
22	Franz Kammel	2542 River Rd	Residential
23	Dolores Arruda	33 Railroad Ave.	Residential
24	Reliabel Frame & Cabinet INC.	14 Railroad Ave.	Abandoned Stucture
25	Everett Robinson	23 Canoe Lake Dr.	Residential
26	Linda Lavery	2648 River Rd.	Residential
27	County of Suffolk	River Rd.	Vacant (Wooded)
28	Elfriede Koeberl		Road ROW
29	Hes Realty Corp.	2651 River Rd.	Commercial
30	James Cardinal	2665 River Rd.	Residential
31	Christine Shields	2677 River Rd.	Residential
32	Frank Darrow	2739 River Rd.	Residential
33	Cristina Spindler	2749 River Rd.	Agricultural
34	Craig Dahlgren	2764 River Rd.	Residential
35	County of Suffolk	2806 River Rd.	Agricultural
36	Bendetto Land INC.	2822 River Rd.	Residential
37	State of New York		Vacant (Wooded)
38	Community Development Agency		EPCAL
39	State of New York		Vacant (Wooded)

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Calverton Solar
Energy Center

Suffolk County, NY

Property Map

Issued For Review
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Date: 01/10/2019

Drawing No: C.102



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
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- EXISTING UNDERGROUND POWER
- EXISTING OVERHEAD TELEPHONE
- EDGE EXISTING VEGETATION
- EXISTING 10' CONTOUR LINE
- EXISTING 2' CONTOUR LINE
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
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- EXISTING GROUND SLOPE
- EXISTING GROUND SLOPES GREATER THAN 15%

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**Calverton Solar
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Suffolk County, NY

Existing Conditions

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Date: 01/10/2019

Drawing No: C.103



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---	EXISTING VEGETATION
---	EXISTING PAVED ROAD
---	EXISTING GRAVEL ROAD
---	EXISTING WETLAND
---	STRUCTURES TO BE REMOVED
---	STRUCTURES TO BE REMOVED

NOTE:
1. EXISTING GOLF COURSE AND PAINTBALL FEATURES TO BE REMOVED BEFORE GRADING ACTIVITIES BEGIN INCLUDE BUT ARE NOT LIMITED TO: SAND TRAPS, PUTTING GREENS, TEE BOXES, TEMPORARY PAINTBALL STRUCTURES, LIGHT POLES AND OTHER OBJECTS/ STRUCTURES THAT ARE NOT NATIVE.

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**Calverton Solar
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Suffolk County, NY

Removal Plan

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Date: 01/10/2019

Drawing No: C.104



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Overall Grading Plan

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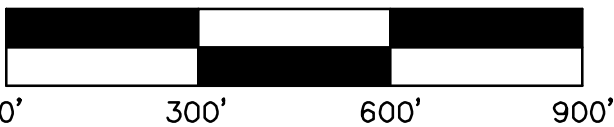
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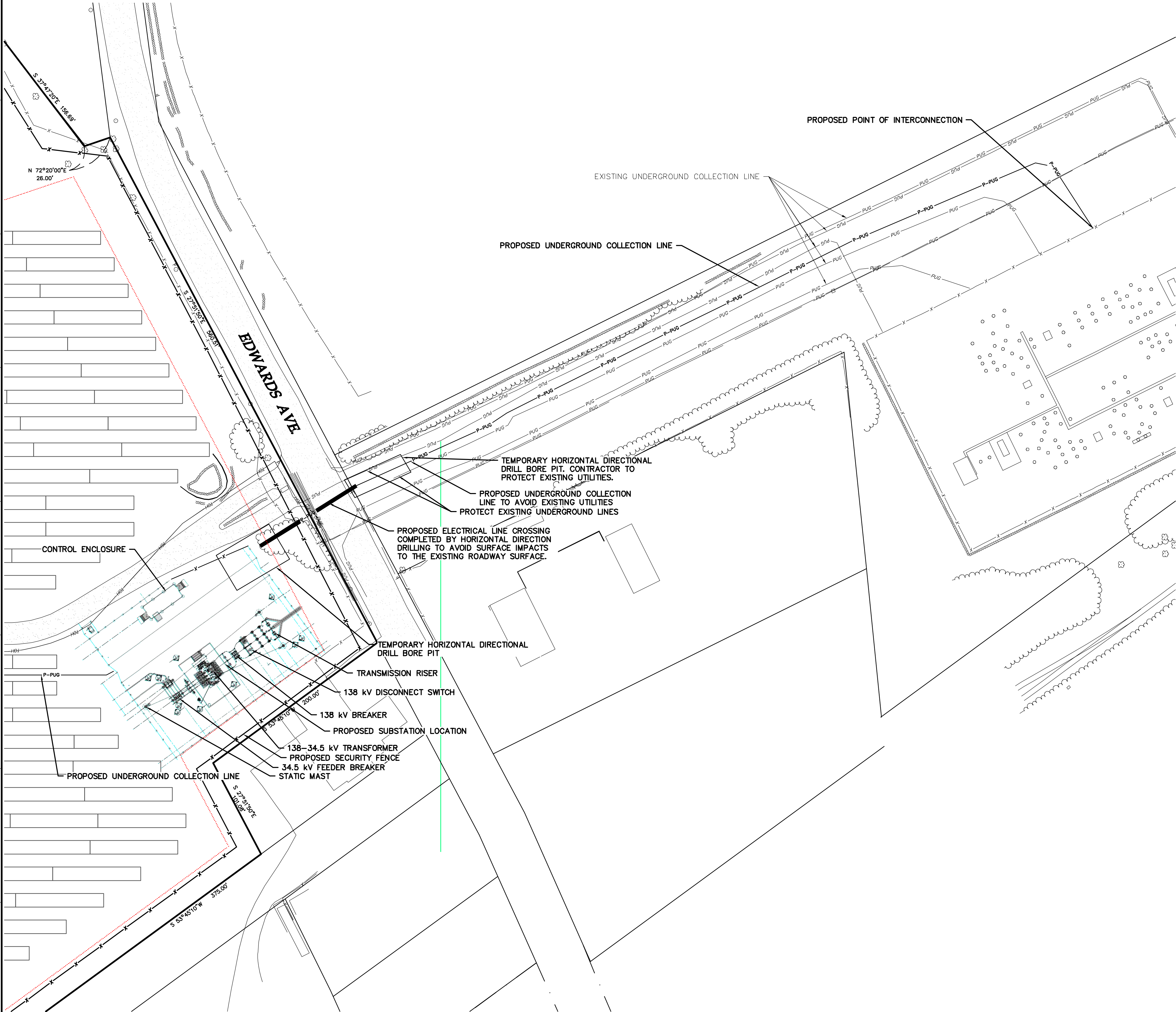
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- EXISTING WETLAND
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- EXISTING 150' WETLAND ADJACENT AREA
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING INDEX CONTOUR LINE
- EXISTING INTERVAL CONTOUR LINE
- PROPOSED INDEX CONTOUR LINE
- PROPOSED INTERVAL CONTOUR LINE
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
- PROPOSED SILT FENCE
- PROPOSED SECURITY FENCE
- ZONING SETBACK LINE
- WATERSHED BOUNDARY LINE
- PROPOSED EROSION CONTROL
SLOPE BLANKET
- DA DRAINAGE AREA

Drainage Area	Required Volume (CF)	Provided Volume (CF)
1	48,587	51,270
2	4,140	35,909
3	5,157	16,352
4	39,860	44,170
5	14,983	21,673
6	10,420	23,516
7	21,668	41,273
8	40,700	40,968
9	25,675	33,737
10	7,194	21,323
11	10,820	21,131
12	27,451	68,672
13	11,057	23,928
14	3,051	21,911
15	44,066	78,260
16	28,350	31,572
17	4,265	18,060
18	3,616	40,097
19	29,611	39,988

- NOTES:
- DRAINAGE BASINS TO BE PERMANENTLY STABILIZED WITH VEGETATION IN ACCORDANCE WITH THE APPROVED SEEDING PLAN (SHEET C.316) UPON COMPLETION OF GRADING.





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- PROPOSED HORIZONTAL DIRECTION DRILLED UNDERGROUND COLLECTION
- ZONING SETBACK LINE

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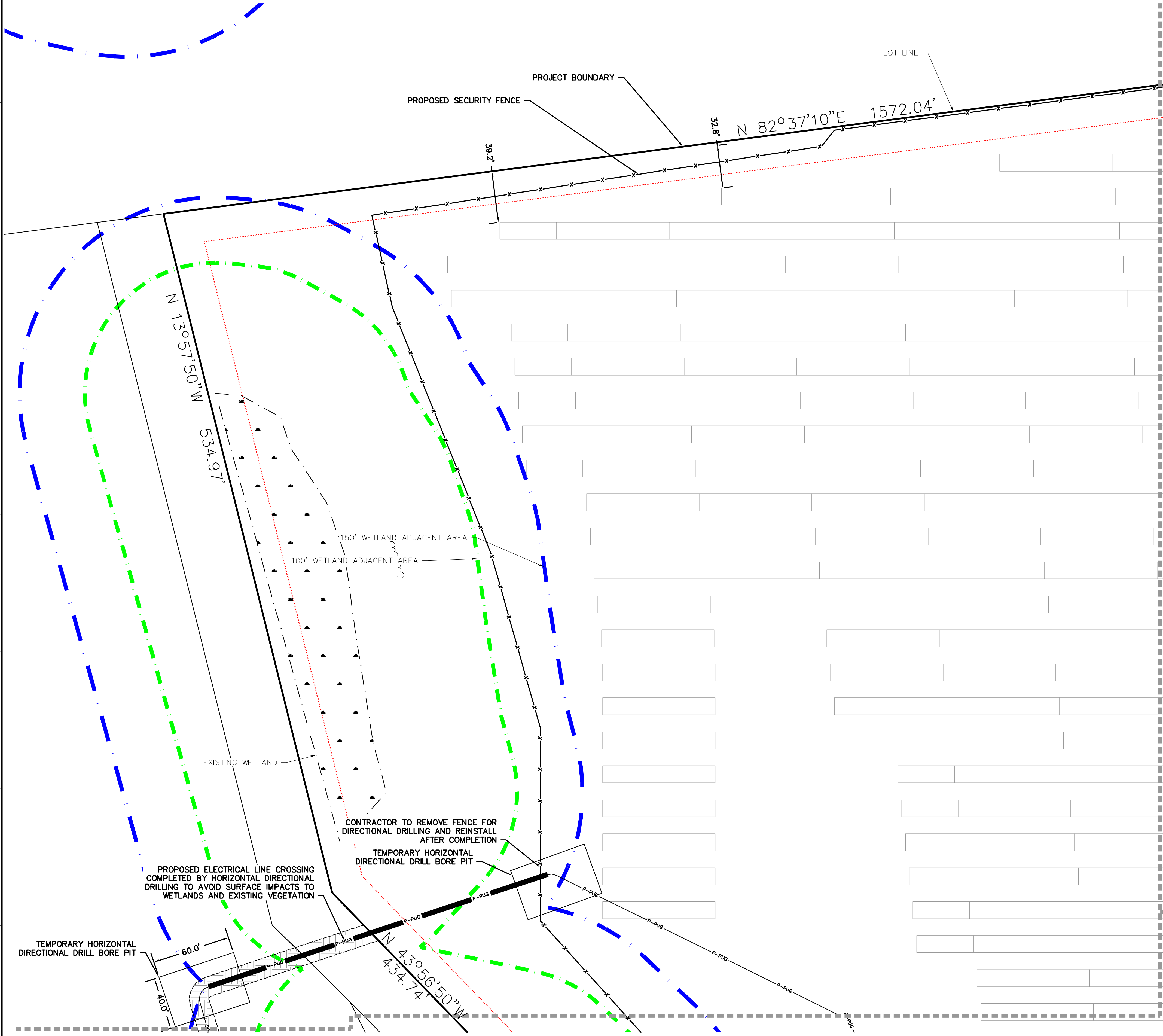
Suffolk County, NY

Interconnect Plan

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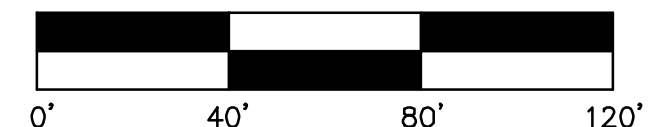
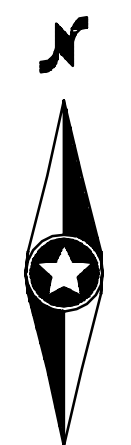
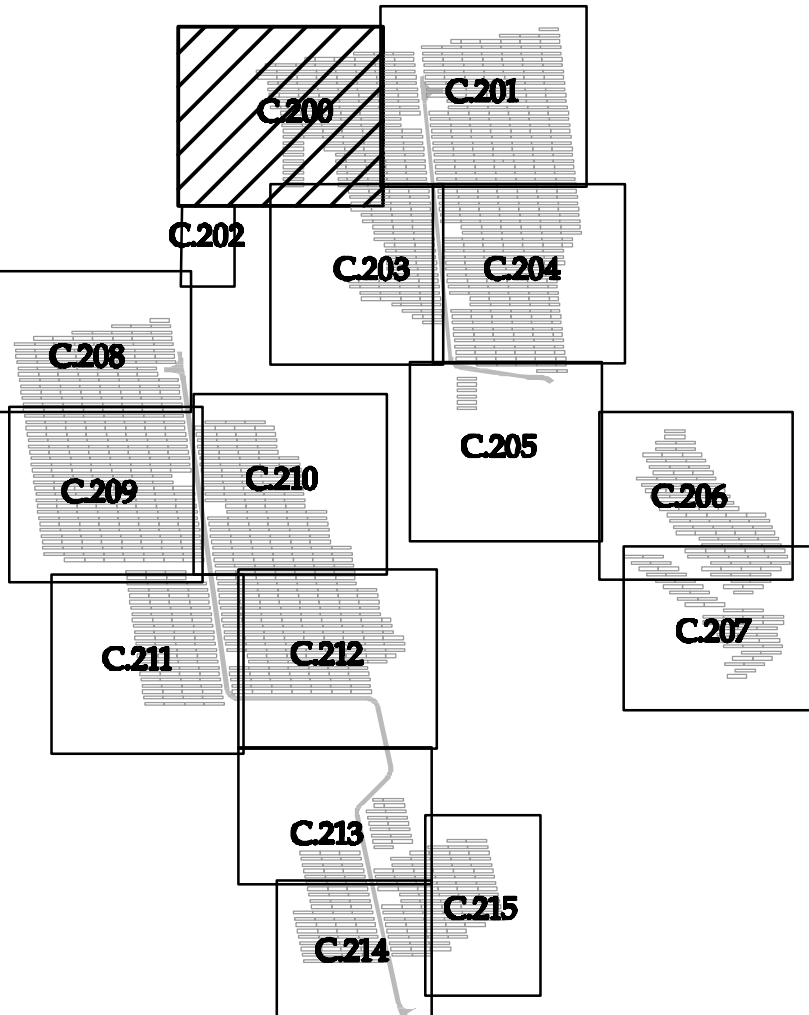
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- UNDERGROUND COLLECTION
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- ZONING SETBACK LINE
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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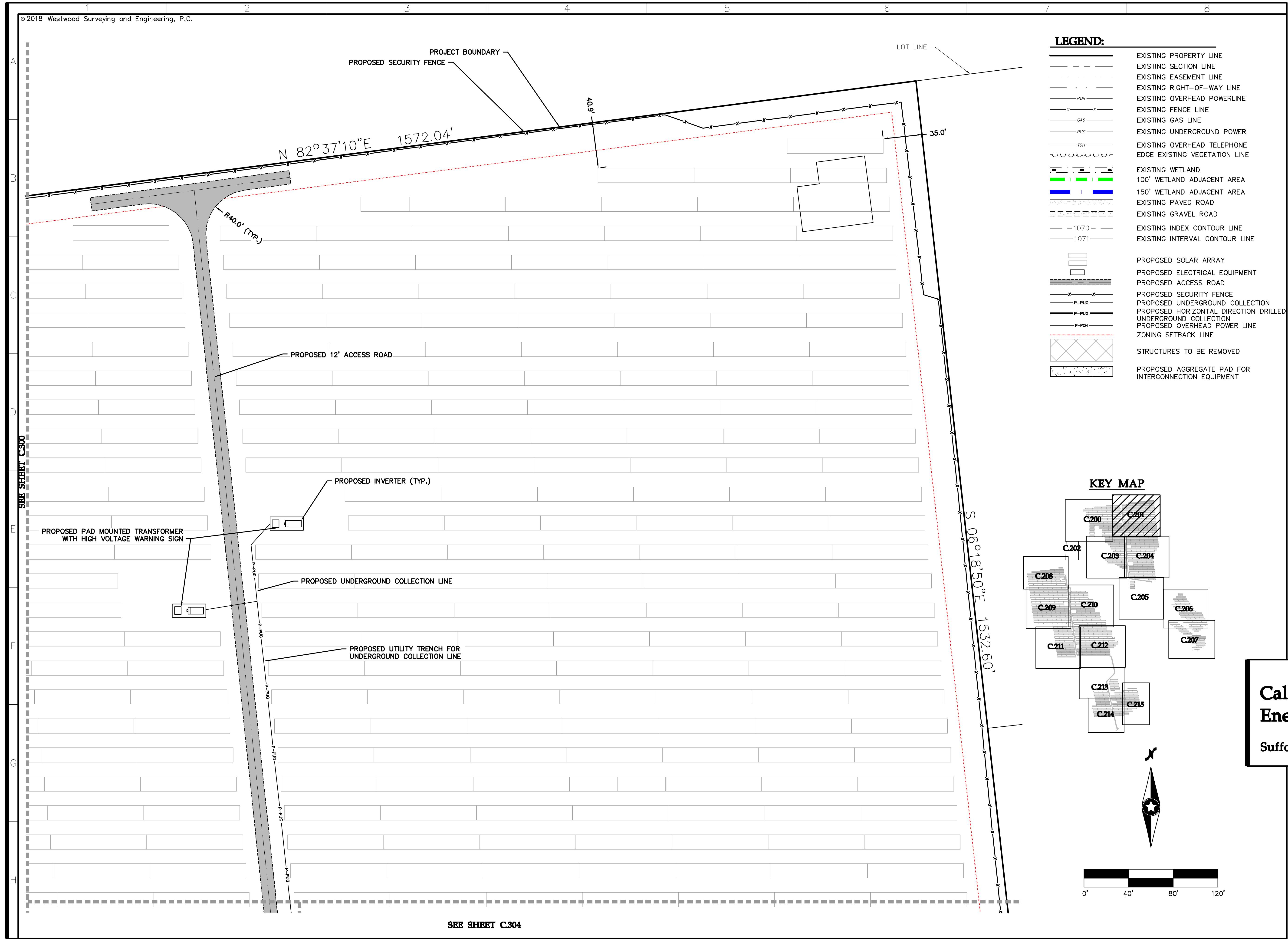
Suffolk County, NY

Site Plan-1

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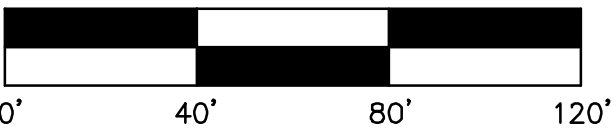
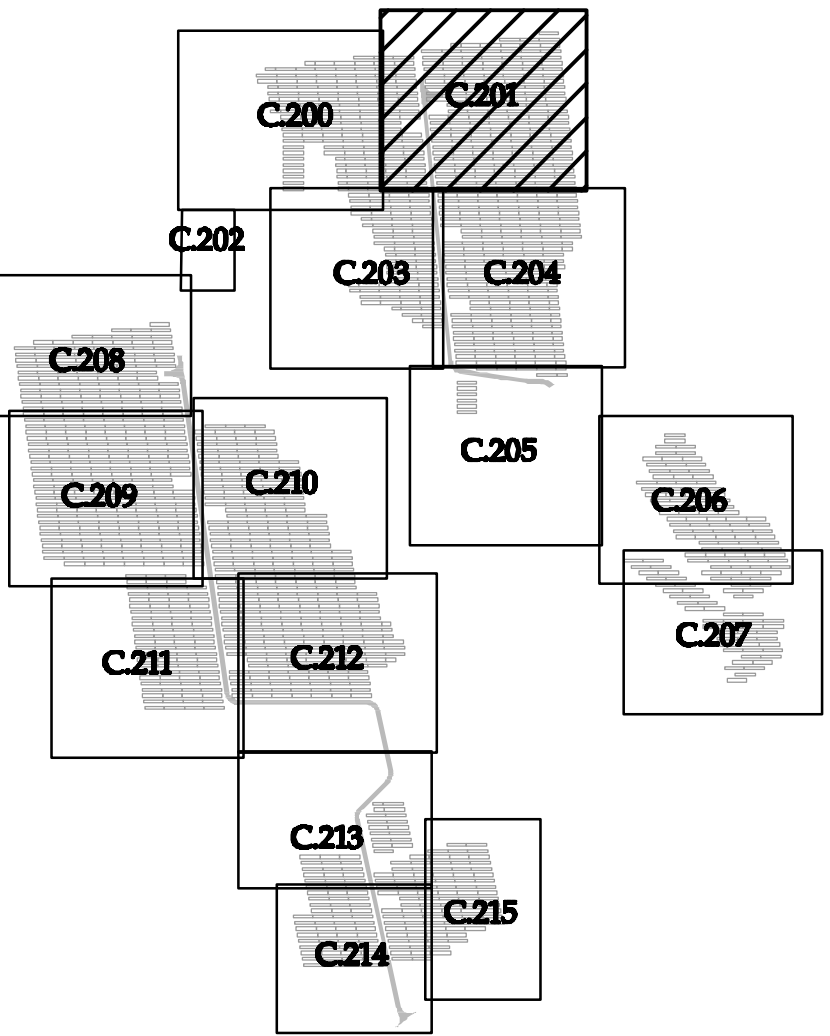
Drawing No: C200



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KEY MAP



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LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the
Planning Board of the town of Riverhead by Planning Board Resolution
number _____ dated _____
Chairperson _____ Signature by Planning Board
Date of signature _____

Calverton Solar
Energy Center

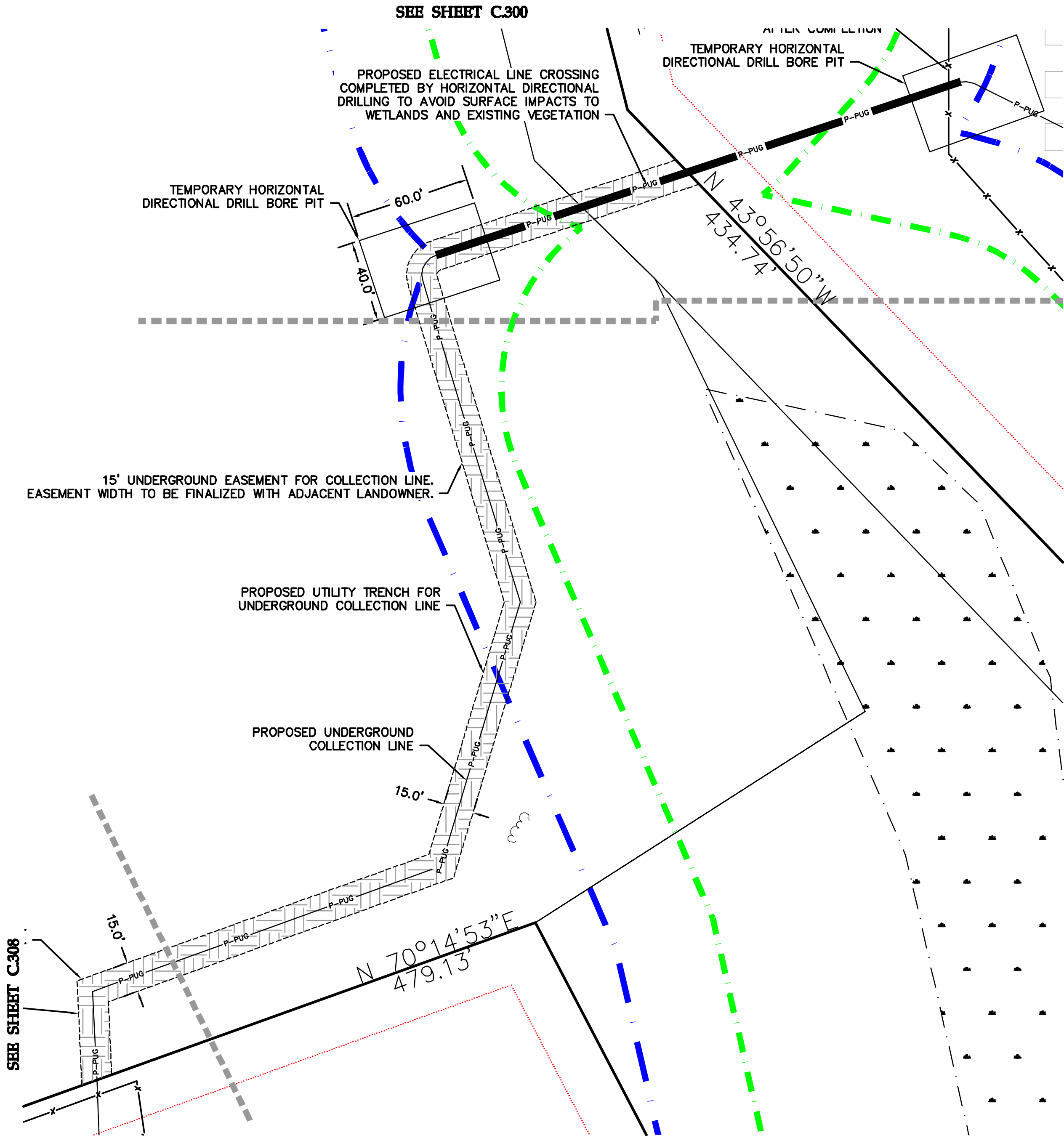
Suffolk County, NY

Site Plan-2

Issued For Review
Not For Construction

Date: 01/10/2019

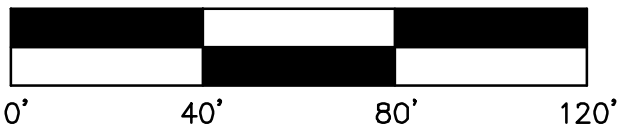
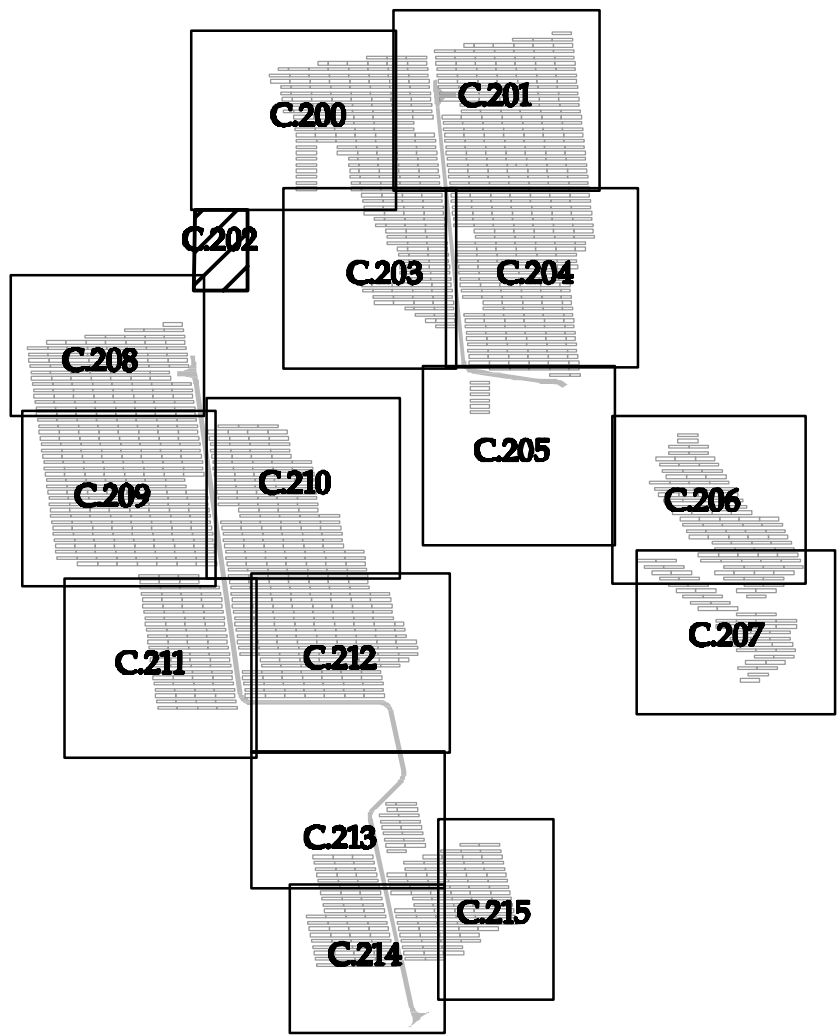
Drawing No: C201



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
- EXISTING OVERHEAD TELEPHONE
- EDGE EXISTING VEGETATION LINE
- EXISTING WETLAND
- 100' WETLAND ADJACENT AREA
- 150' WETLAND ADJACENT AREA
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING INDEX CONTOUR LINE
- EXISTING INTERVAL CONTOUR LINE
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED HORIZONTAL DIRECTION DRILLED UNDERGROUND COLLECTION
- PROPOSED OVERHEAD POWER LINE
- ZONING SETBACK LINE
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: BTB
Checked: ADC
Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
#		

Prepared for:

**LI SOLAR
GENERATION, LLC**

**700 UNIVERSE BOULEVARD,
JUNO BEACH, FL**

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**Calverton Solar
Energy Center**

Suffolk County, NY

Site Plan-3

**Issued For Review
Not For Construction**

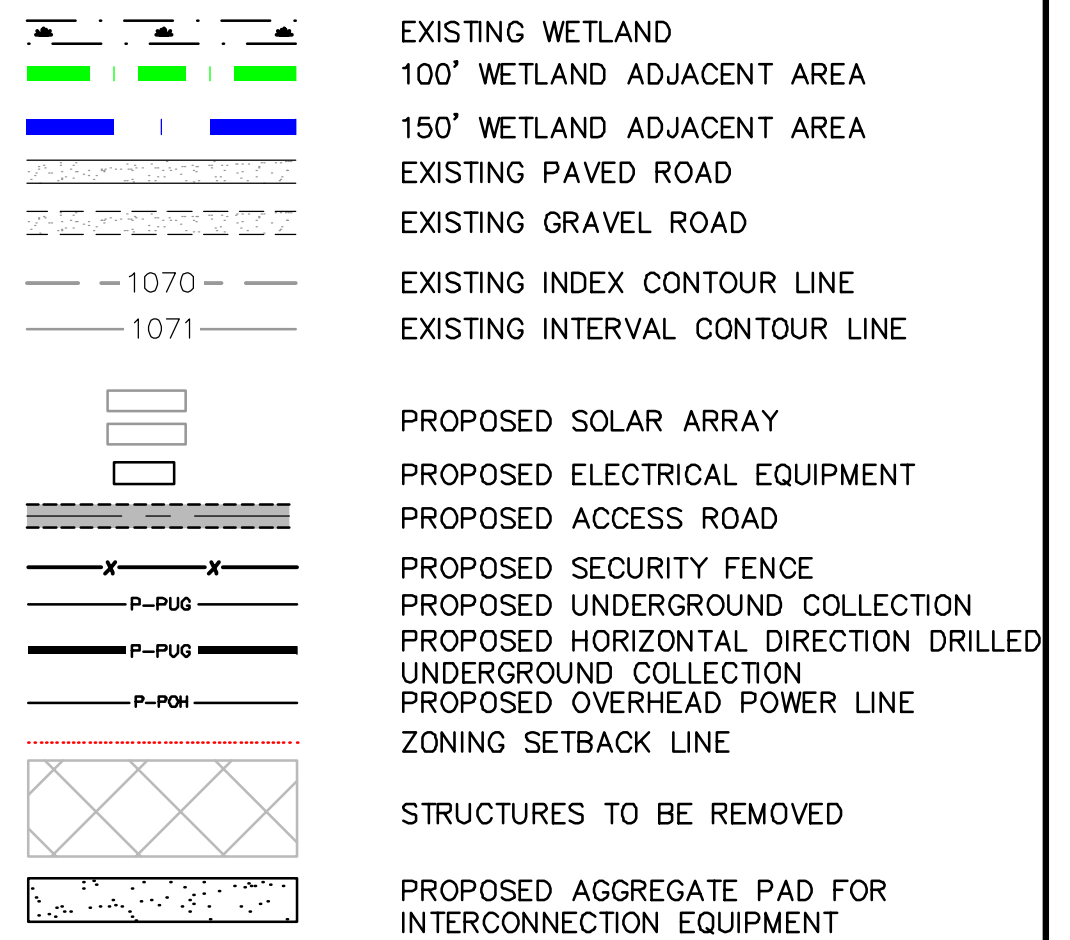
Date: 01/10/2019

Drawing No: C.202



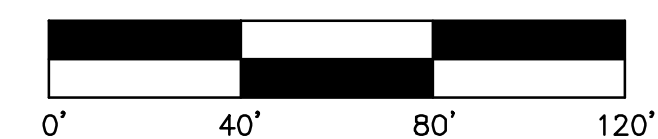
SEE SHEET C304

EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
EXISTING GAS LINE
EXISTING UNDERGROUND POWER
EXISTING OVERHEAD TELEPHONE
EDGE EXISTING VEGETATION LINE



The figure is a map of a study area with 15 sampling locations marked by labels C200 through C214. The locations are distributed across a landscape with various terrain features. C203 is highlighted with a hatched pattern. The locations are as follows:

- C200: Top center, white background.
- C201: Top right, white background.
- C202: Middle left, white background.
- C203: Center, hatched pattern.
- C204: Middle right, white background.
- C205: Middle right, white background.
- C206: Far right, white background.
- C207: Far right, white background.
- C208: Middle left, white background.
- C209: Middle left, white background.
- C210: Middle left, white background.
- C211: Bottom left, white background.
- C212: Bottom center, white background.
- C213: Bottom center, white background.
- C214: Bottom center, white background.
- C215: Bottom right, white background.



Record Drawing by/date: _____

Record Drawing by/date:

Revisions:		
#	DATE	DESCRIPTION

W	Verfahren	Bearbeitungszeitpunkt, -umfang
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Prepared for:

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

PLANNING BOARD CERTIFICATION

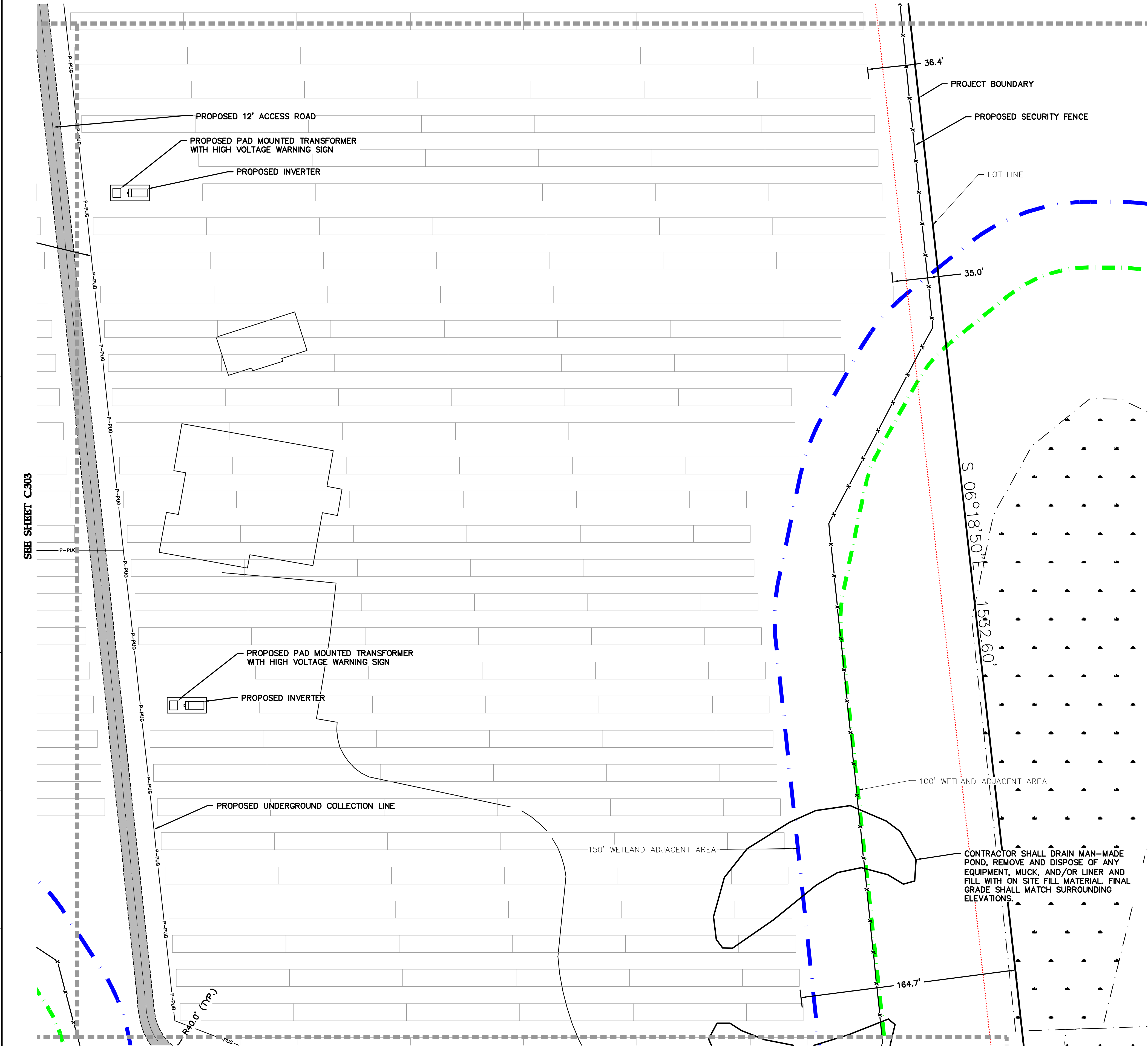
This is to certify that this site plan has been approved by the Planning Board of the town of Riverhead by Planning Board Resolution number _____ dated _____ Signature by Planning Board _____

Chairperson _____
Date of signature _____

Suffolk County, NY

**Issued For Review
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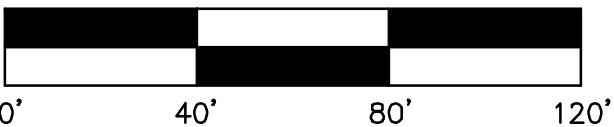
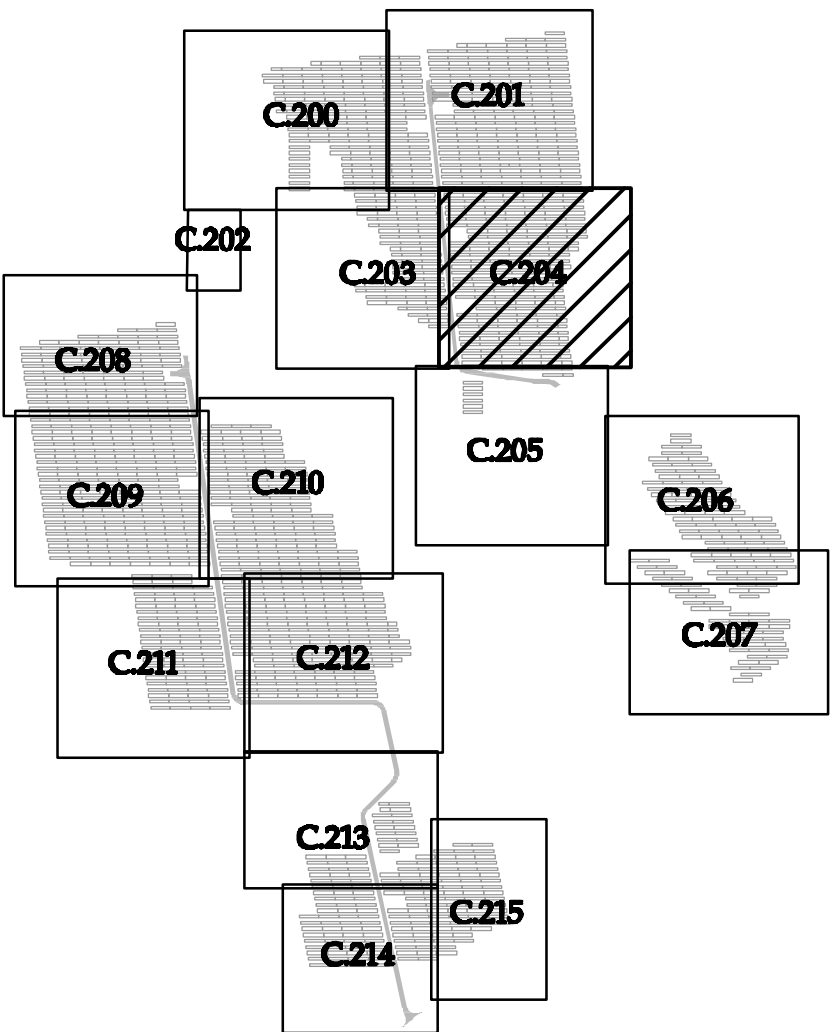
Drawing No: **C.203**



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
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- EDGE EXISTING VEGETATION LINE
- EXISTING WETLAND
- 100' WETLAND ADJACENT AREA
- 150' WETLAND ADJACENT AREA
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING INDEX CONTOUR LINE
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- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED HORIZONTAL DIRECTION DRILLED UNDERGROUND COLLECTION
- PROPOSED OVERHEAD POWER LINE
- ZONING SETBACK LINE
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Designed:	DTB
Checked:	ADC
Drawn:	DTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
1		
2		
3		
4		
5		

Prepared for:

LI SOLAR
GENERATION, LLC
700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-5

Issued For Review
Not For Construction

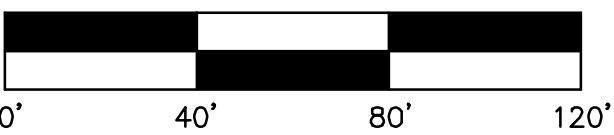
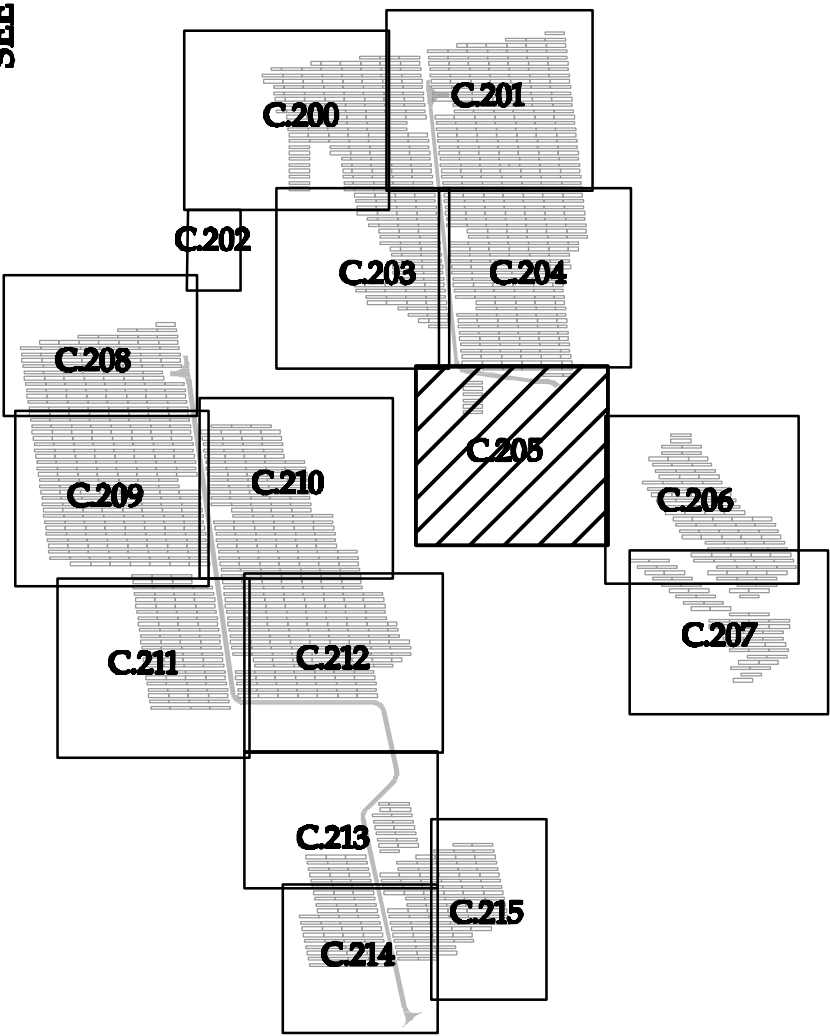
Date: 01/10/2019

Drawing No: C.204

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
EXISTING GAS LINE
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150' WETLAND ADJACENT AREA
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UNDERGROUND COLLECTION
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ZONING SETBACK LINE
STRUCTURES TO BE REMOVED
PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
#		

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____ Signature by Planning Board
Date of signature _____

Calverton Solar
Energy Center

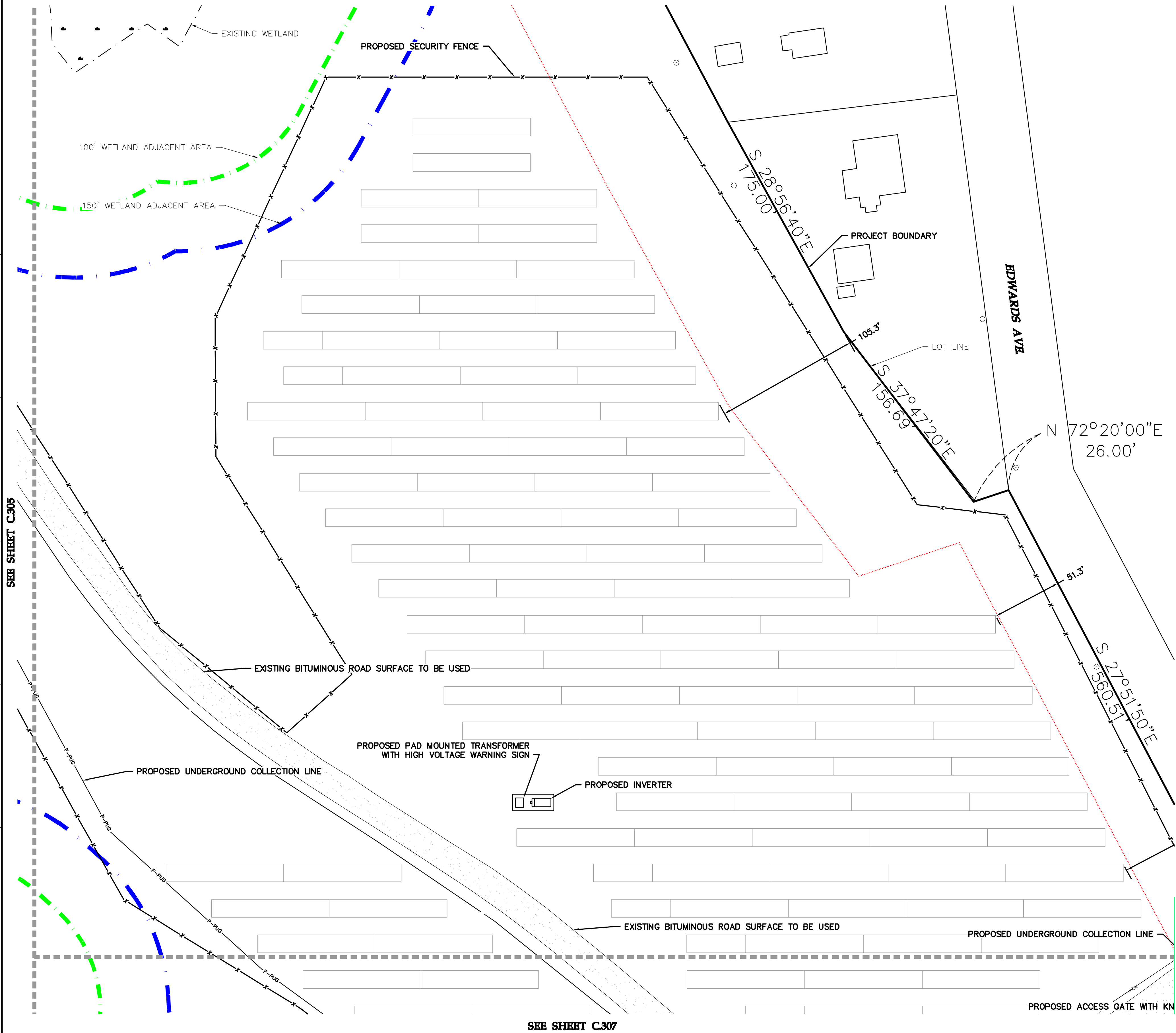
Suffolk County, NY

Site Plan-6

Issued For Review
Not For Construction

Date: 01/10/2019

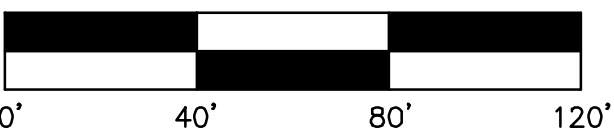
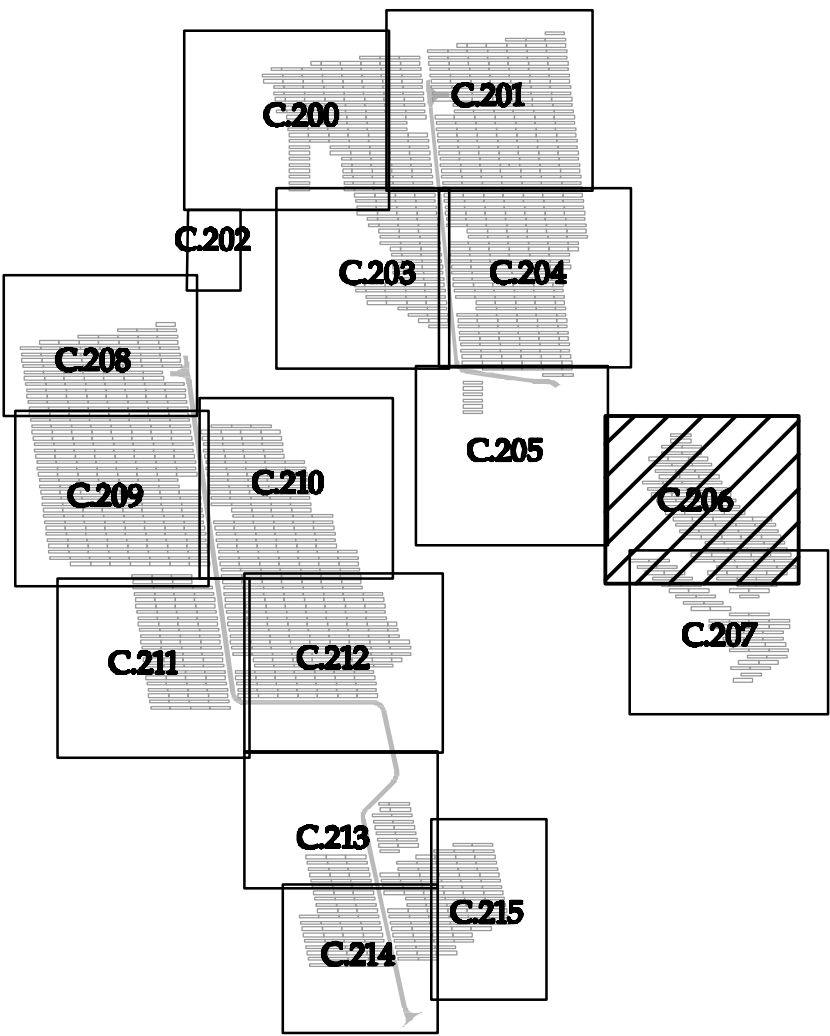
Drawing No: C.205



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
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- UNDERGROUND COLLECTION
- PROPOSED OVERHEAD POWER LINE
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- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
1		
2		
3		
4		
5		

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

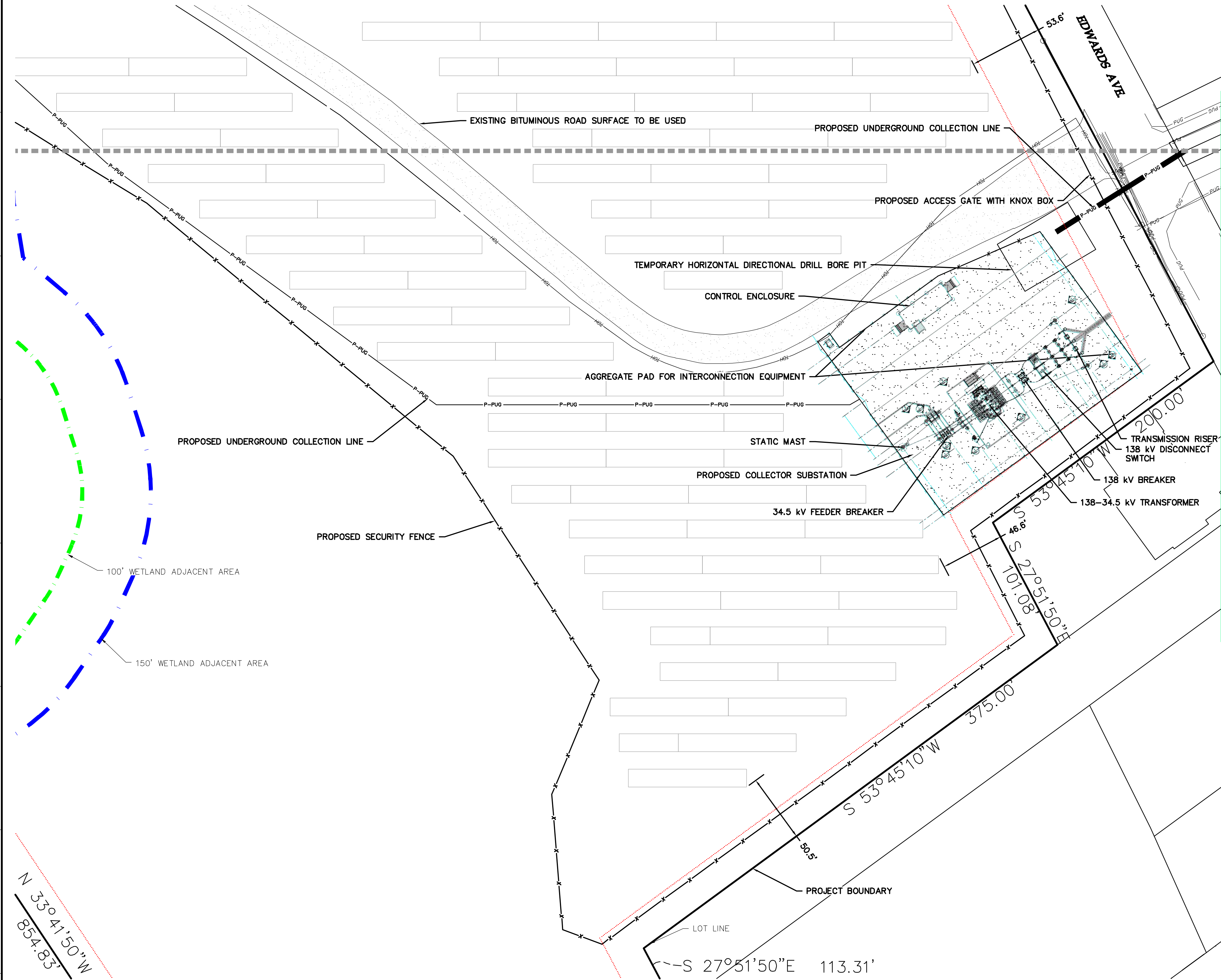
Suffolk County, NY

Site Plan-7

Issued For Review
Not For Construction

Date: 01/10/2019

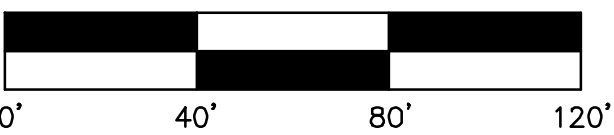
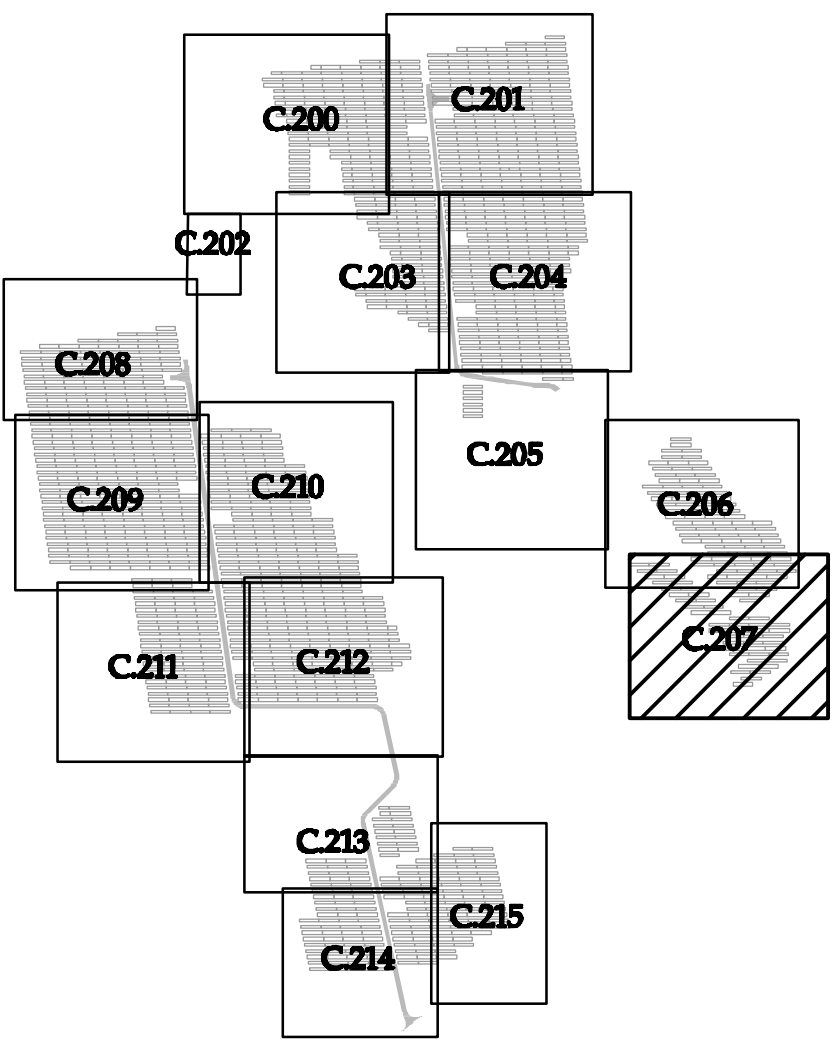
Drawing No: C.206



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
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KEY MAP



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Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-8

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.207



Designed: BTB
Checked: ADC
Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
#		

Prepared for:

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700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-9

Issued For Review
Not For Construction

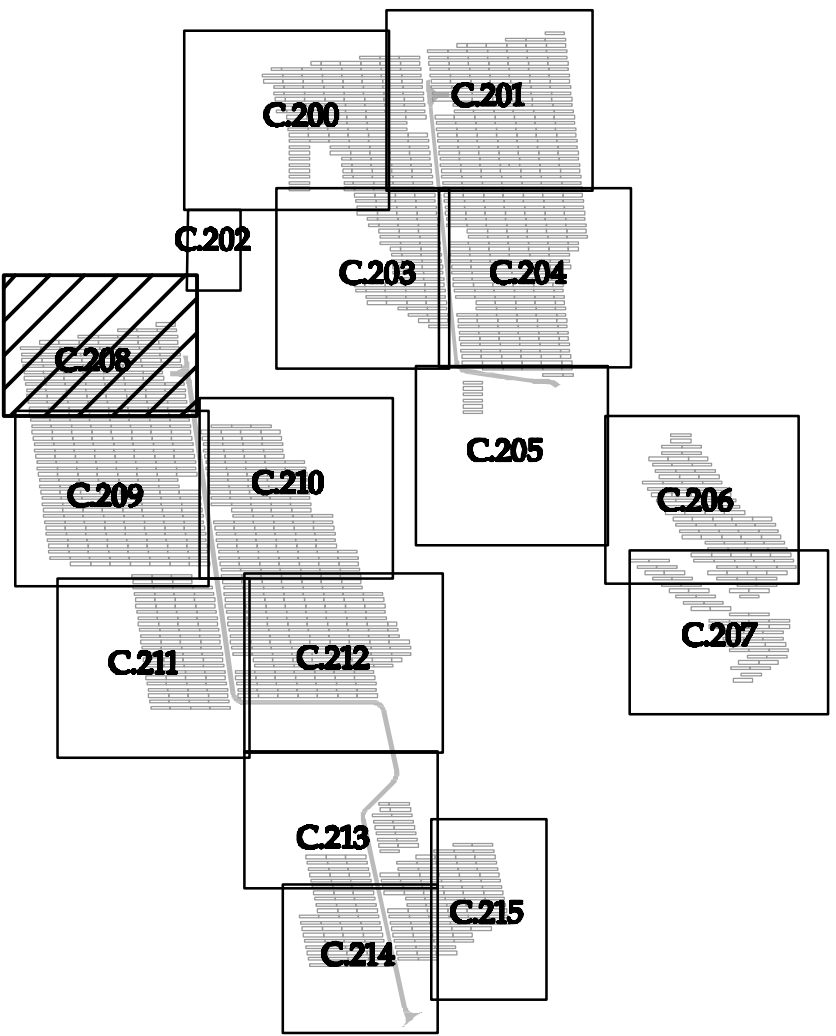
Date: 01/10/2019

Drawing No: C.208

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
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- UNDERGROUND COLLECTION
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- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



15' UNDERGROUND EASEMENT FOR COLLECTION LINE.
FINAL EASEMENT WIDTH TO BE FINALIZED WITH ADJACENT LANDOWNER.

PROPOSED UTILITY TRENCH FOR UNDERGROUND COLLECTION LINE

LOT LINE

PROPOSED SECURITY FENCE

PROJECT BOUNDARY

PROPOSED 12' ACCESS ROAD

PROPOSED PAD MOUNTED TRANSFORMER
WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

PROPOSED UNDERGROUND COLLECTION LINE

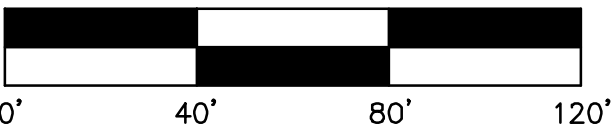
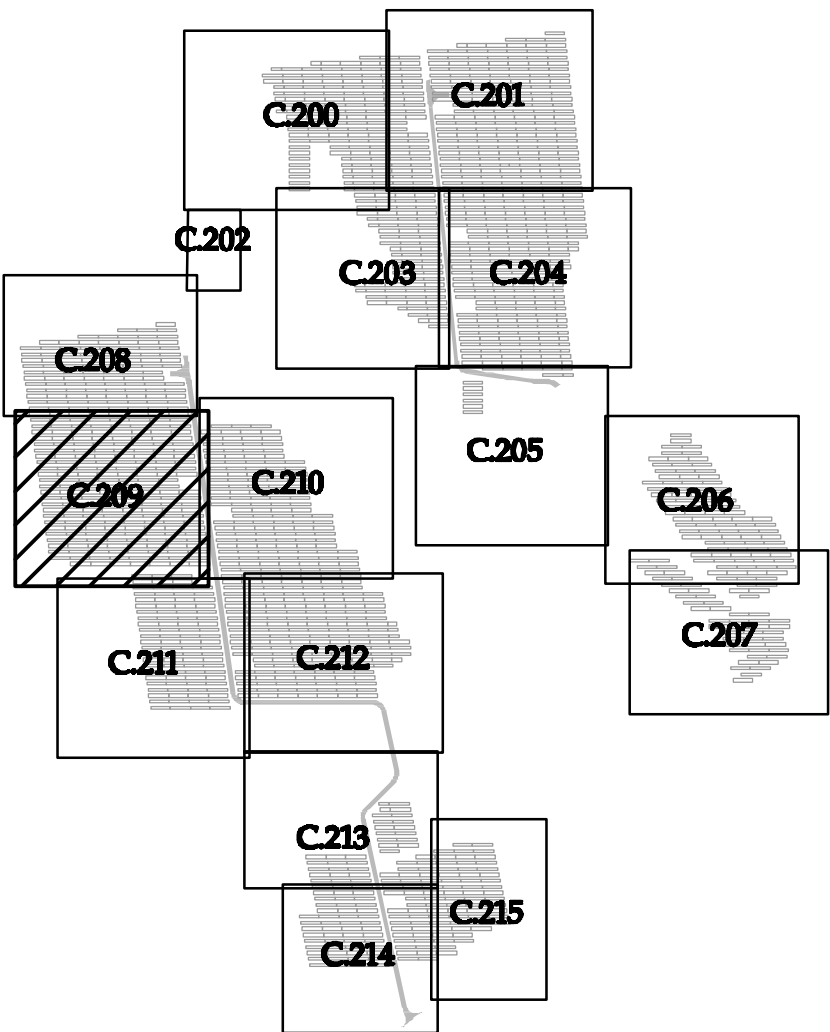
SEE SHEET C.309

SEE SHEET C.308

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
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STRUCTURES TO BE REMOVED
PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Fax (952) 937-5822 Minnetonka, MN 55343
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Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
1	01/10/19	Initial Design
2	01/10/19	Final Design
3	01/10/19	Final Design
4	01/10/19	Final Design
5	01/10/19	Final Design
6	01/10/19	Final Design
7	01/10/19	Final Design
8	01/10/19	Final Design
9	01/10/19	Final Design
10	01/10/19	Final Design

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

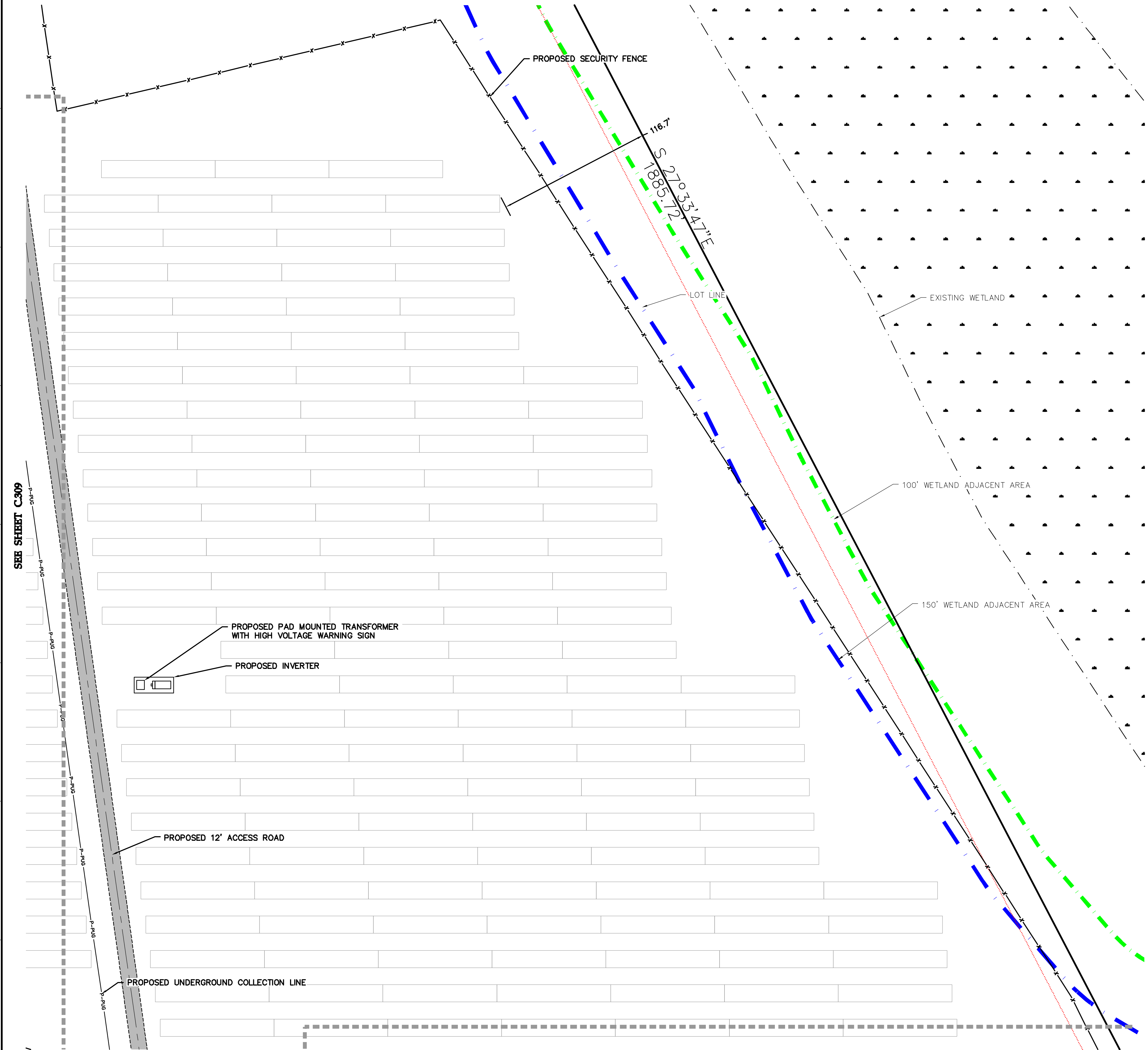
Suffolk County, NY

Site Plan-10

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.209

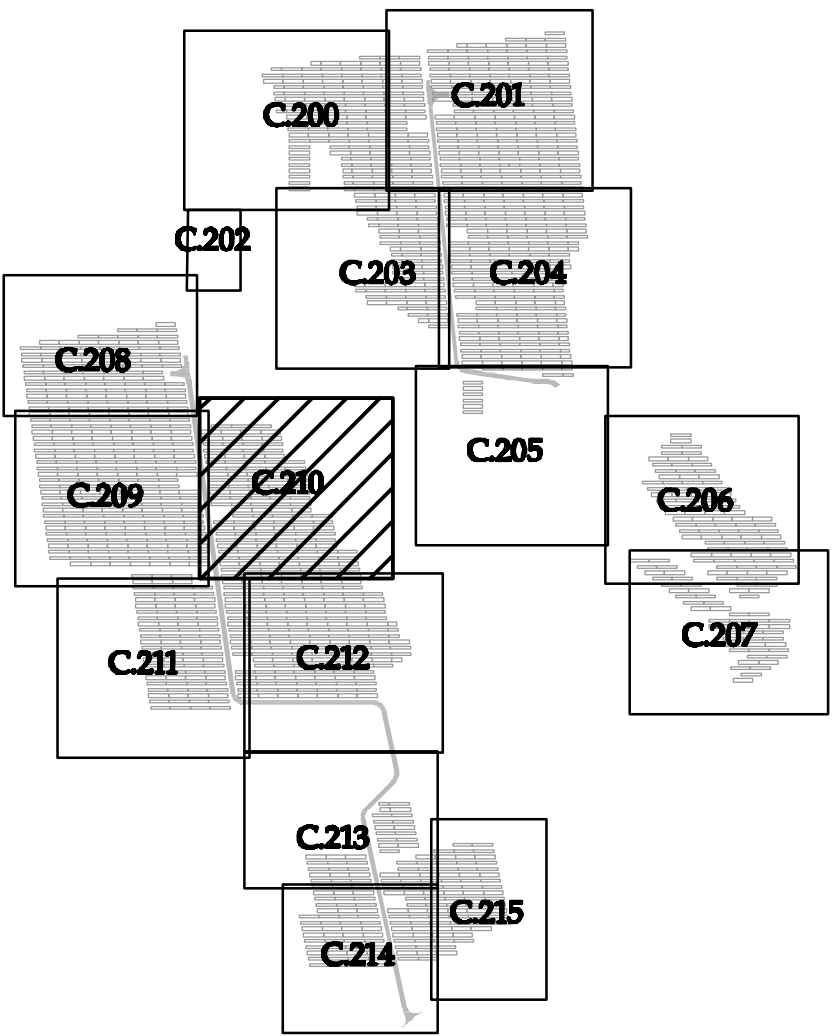


SEE SHEET C312

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
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KEY MAP



Westwood

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Designed: DTB

Checked: ADC

Drawn: DTB

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-11

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C210

SEE SHEET C309

PROPOSED PAD MOUNTED TRANSFORMER WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

N 06°30'47"W 676.86'

PROPOSED TEMPORARY LAYDOWN YARD

PROPOSED PAD MOUNTED TRANSFORMER WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

PROPOSED UNDERGROUND COLLECTION LINE

PROPOSED 12' ACCESS ROAD

LOT LINE

LOT LINE

PROPOSED TEMPORARY LAYDOWN YARD

N 89°27'07"W 430.17'

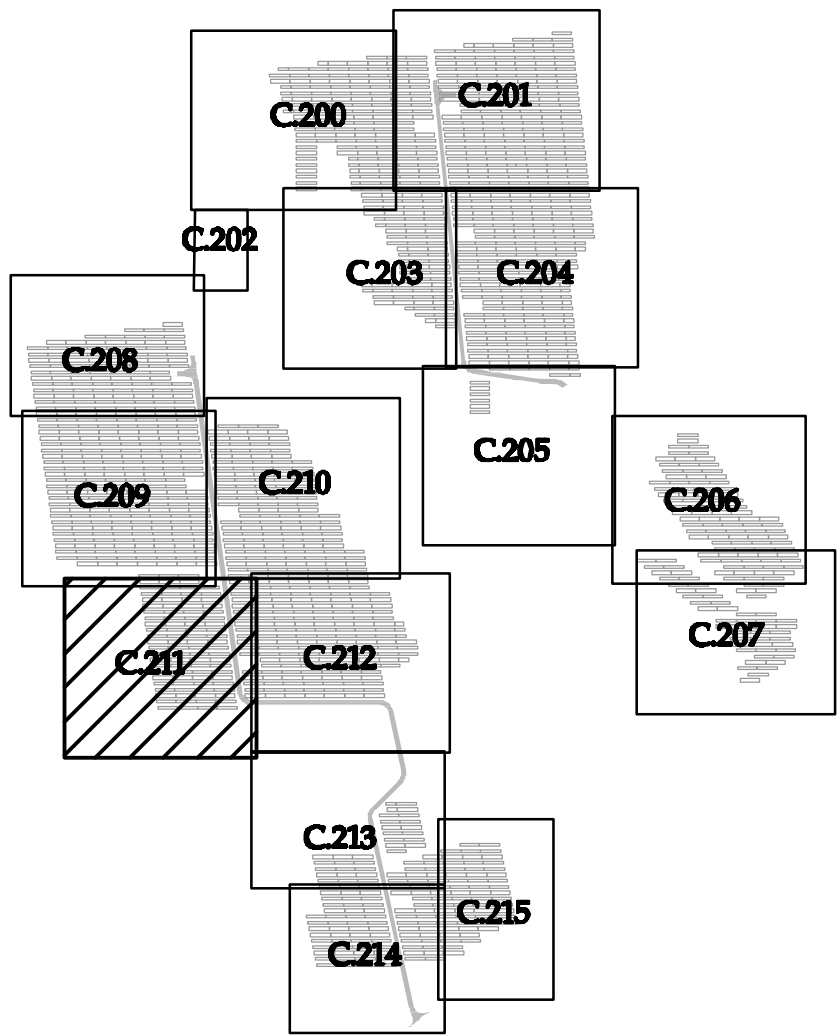
122.8'

N 86°57'27"W 313.39'

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
EXISTING GAS LINE
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EDGE EXISTING VEGETATION LINE
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Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
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Calverton Solar
Energy Center

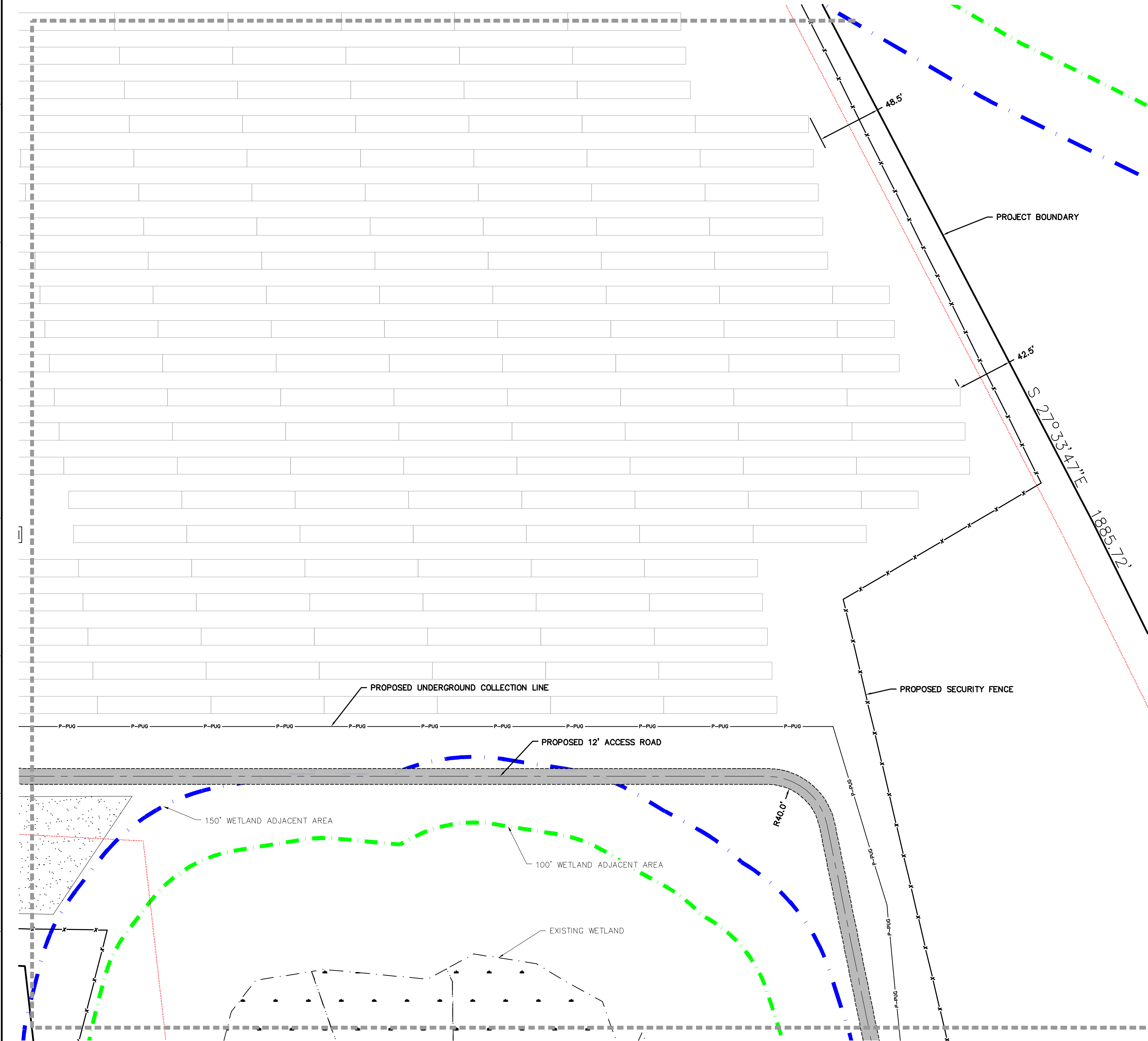
Suffolk County, NY

Site Plan-12

Issued For Review
Not For Construction

Date: 01/10/2019

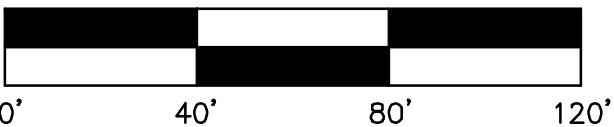
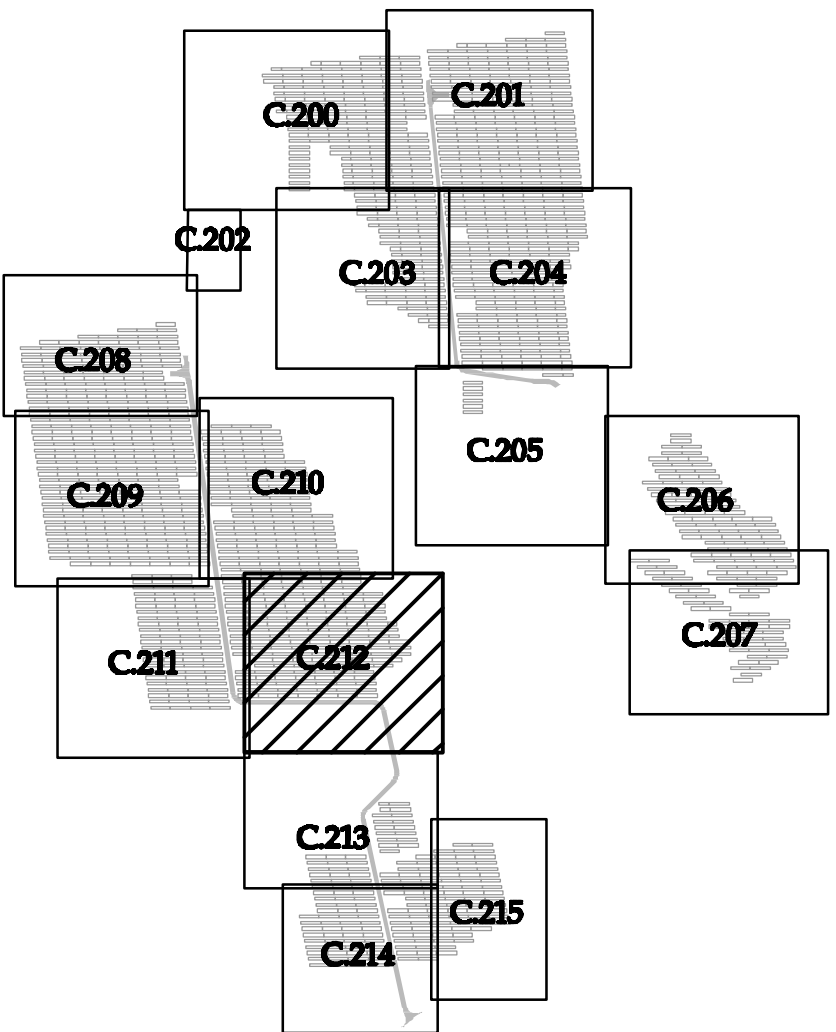
Drawing No: C211



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
- EXISTING OVERHEAD TELEPHONE
- EDGE EXISTING VEGETATION LINE
- EXISTING WETLAND
- 100' WETLAND ADJACENT AREA
- 150' WETLAND ADJACENT AREA
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING INDEX CONTOUR LINE
- EXISTING INTERVAL CONTOUR LINE
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED HORIZONTAL DIRECTION DRILLED UNDERGROUND COLLECTION
- PROPOSED OVERHEAD POWER LINE
- ZONING SETBACK LINE
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Checked: ADC
Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
#		

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the
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number _____ dated _____ Signature by Planning Board
Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-13

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.212

A
B
C
D
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SEE SHEET C.312

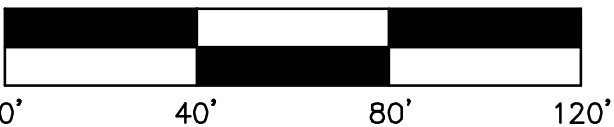
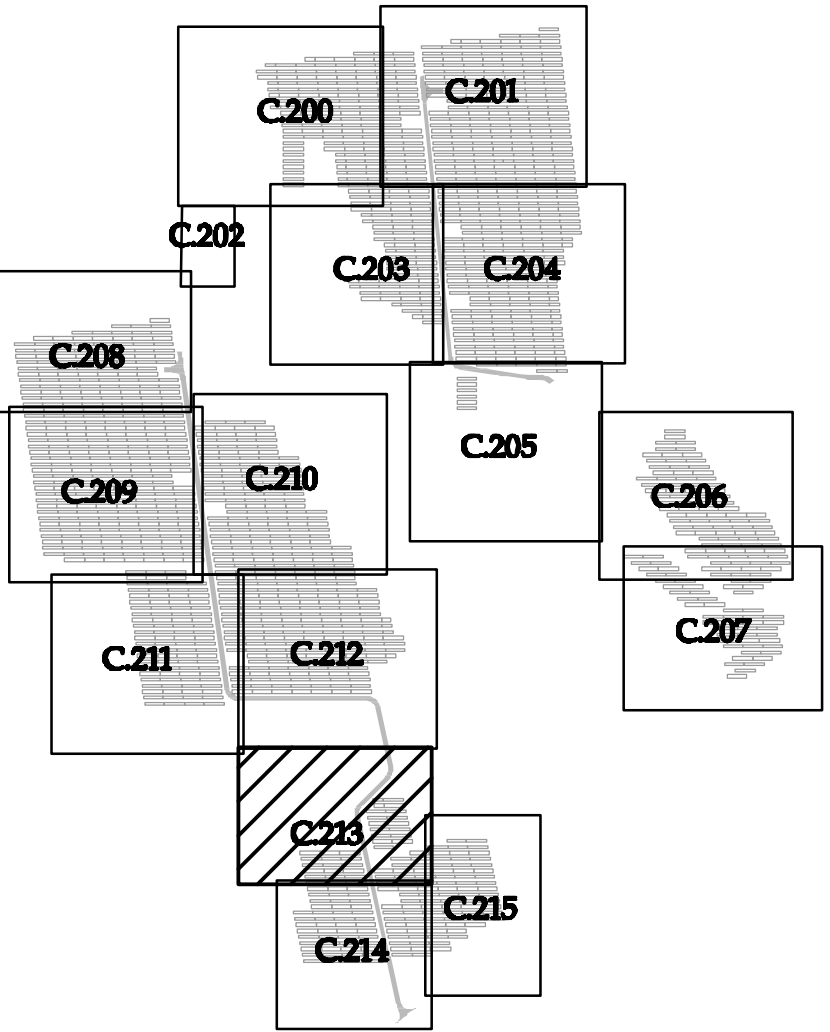
SEE SHEET C.314

SEE SHEET C.315

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
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Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-14

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.213

SEE SHEET C313

PROPOSED PAD MOUNTED TRANSFORMER
WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

PROPOSED UNDERGROUND COLLECTION LINE

109.8'

PROJECT BOUNDARY LINE

PROPOSED SECURITY FENCE

N 15° 38' 07" N
435.46'

PROPOSED 16' GATE WITH KNOX BOX

CONNECT TO AND MATCH EXISTING ROAD

EXISTING UNOCCUPIED RESIDENTIAL
STRUCTURE TO REMAIN

S 53° 47' 13" W
656.03'

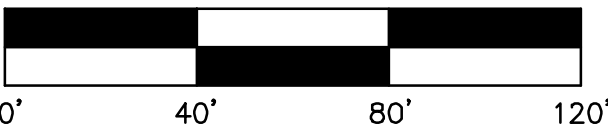
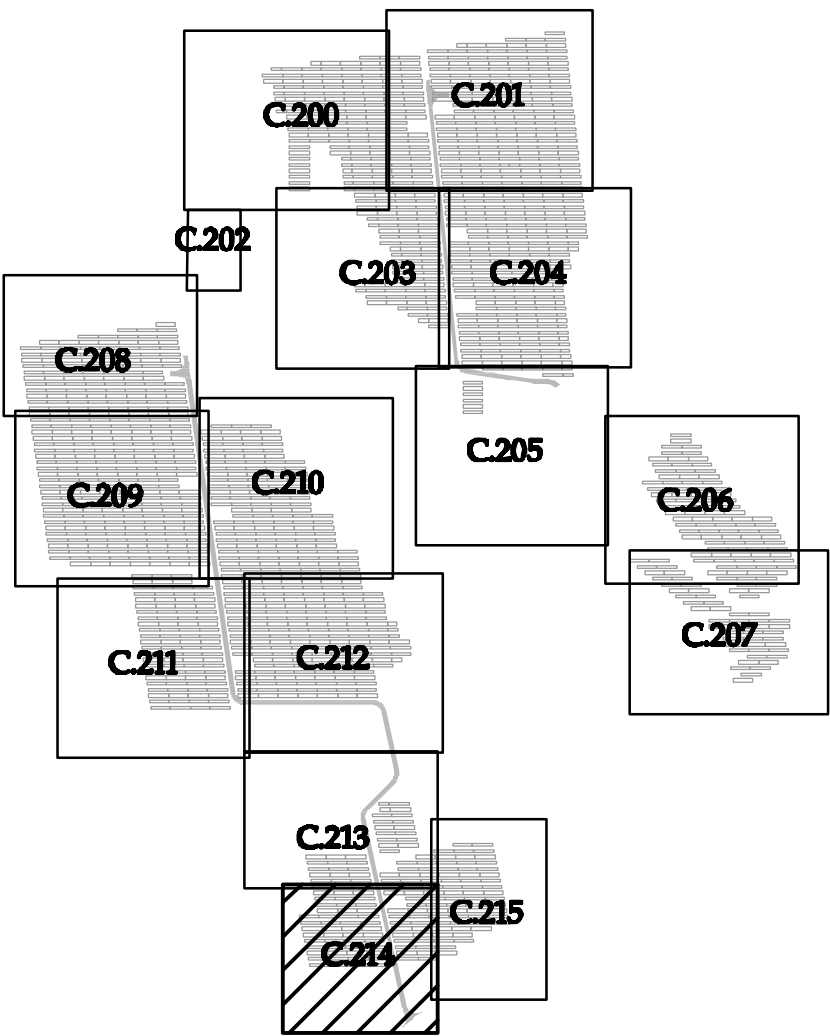
RAILROAD AVE

SEE SHEET C315

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
EXISTING GAS LINE
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KEY MAP



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700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Site Plan-15

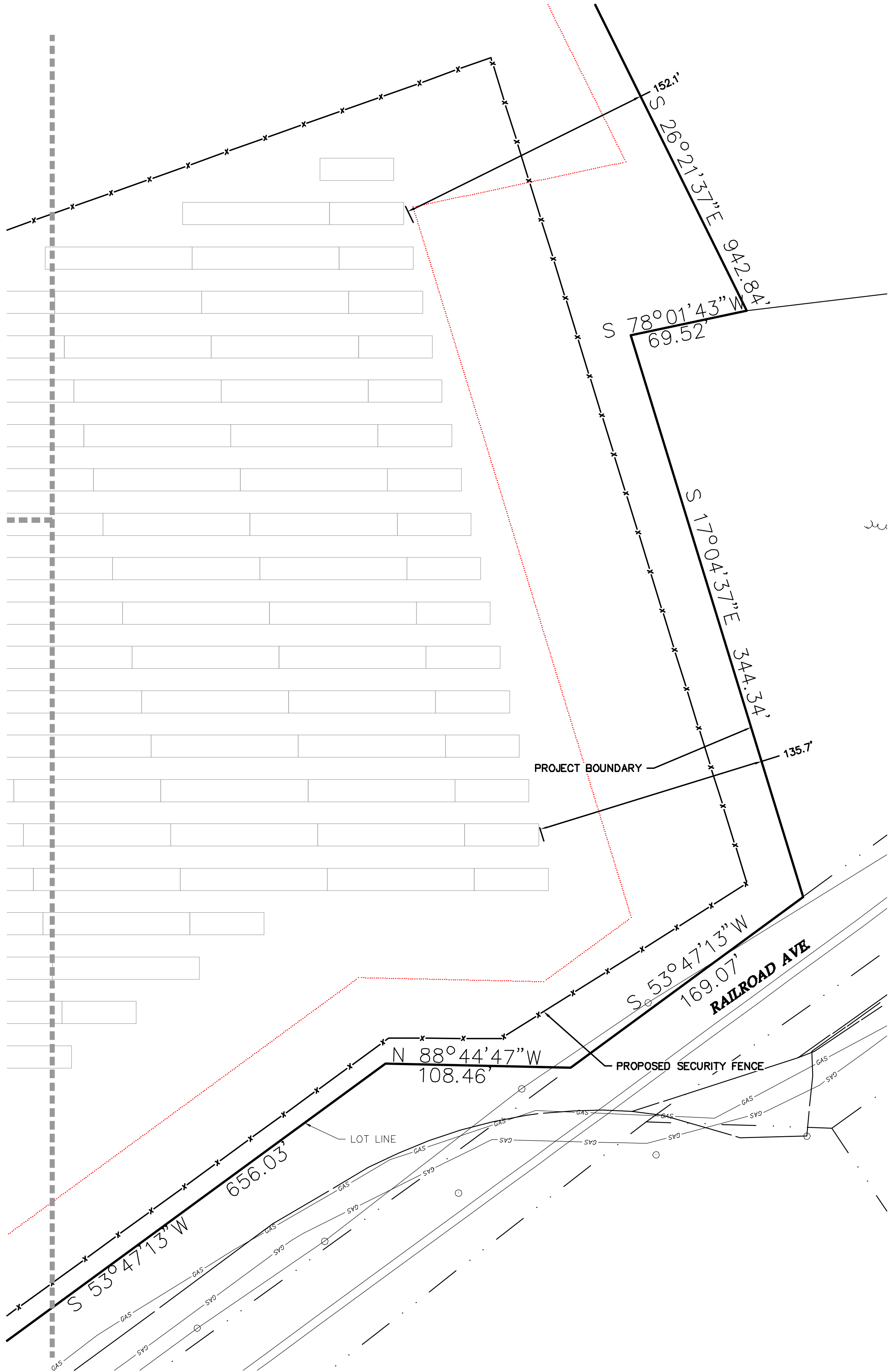
Issued For Review
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Date: 01/10/2019

Drawing No: C214

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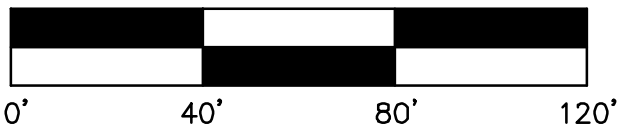
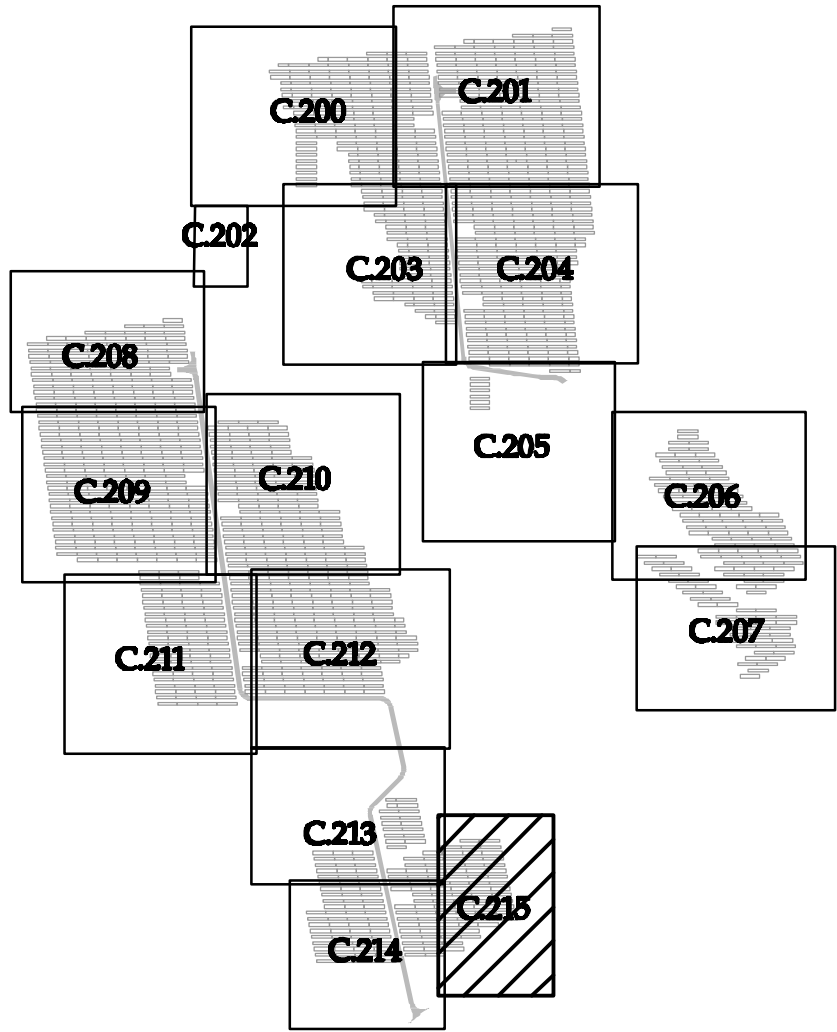
SEE SHEET C314



LEGEND:

- | | |
|-----|--|
| --- | EXISTING PROPERTY LINE |
| --- | EXISTING SECTION LINE |
| --- | EXISTING EASEMENT LINE |
| --- | EXISTING RIGHT-OF-WAY LINE |
| --- | EXISTING OVERHEAD POWERLINE |
| --- | EXISTING FENCE LINE |
| --- | EXISTING GAS LINE |
| --- | EXISTING UNDERGROUND POWER |
| --- | EXISTING OVERHEAD TELEPHONE |
| --- | EDGE EXISTING VEGETATION LINE |
| --- | EXISTING WETLAND |
| --- | 100' WETLAND ADJACENT AREA |
| --- | 150' WETLAND ADJACENT AREA |
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| --- | UNDERGROUND COLLECTION |
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| --- | ZONING SETBACK LINE |
| --- | STRUCTURES TO BE REMOVED |
| --- | PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT |

KEY MAP



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Prepared for:

**LI SOLAR
GENERATION, LLC**

**700 UNIVERSE BOULEVARD,
JUNO BEACH, FL**

PLANNING BOARD CERTIFICATION

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**Calverton Solar
Energy Center**

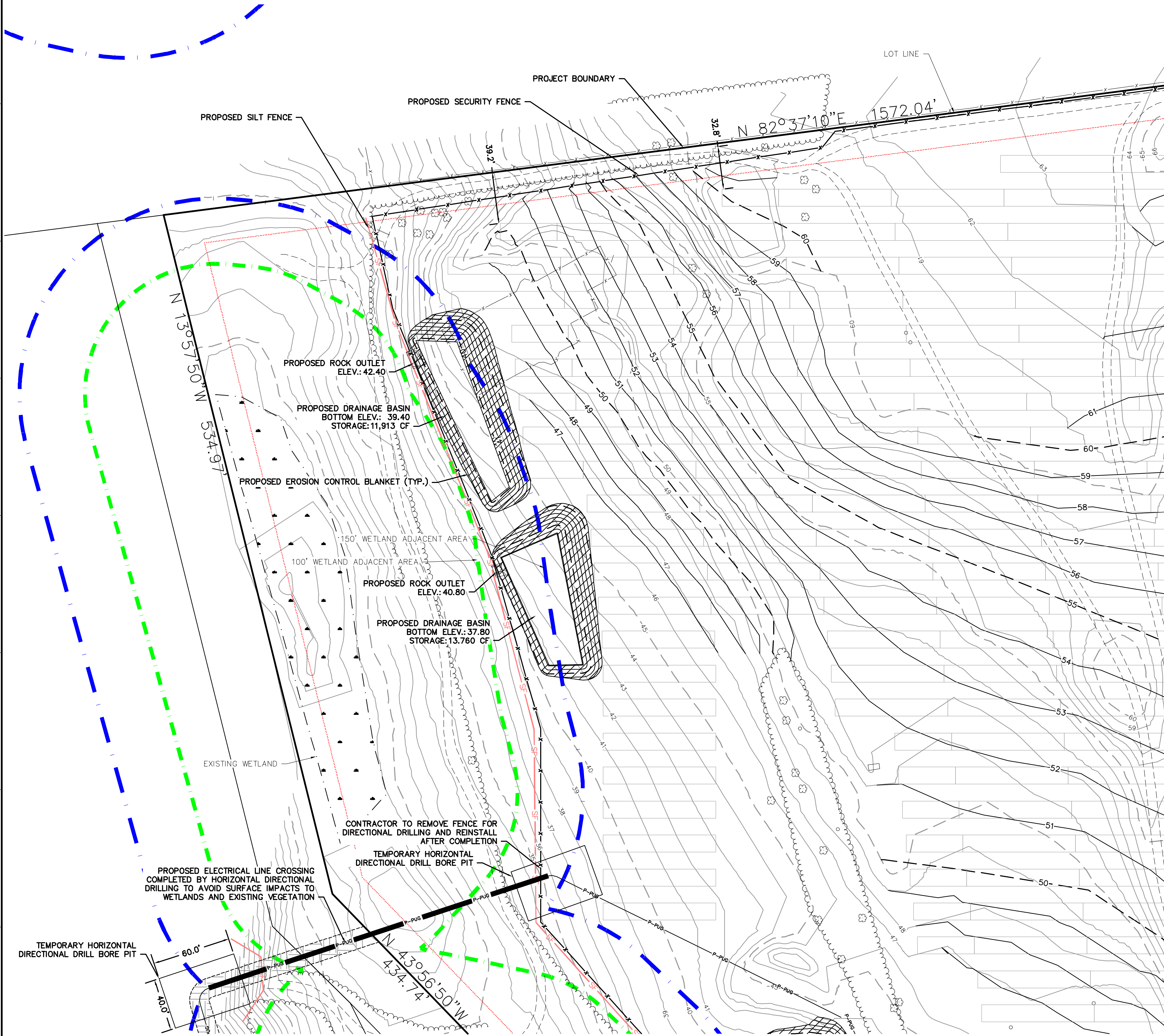
Suffolk County, NY

Site Plan-16

**Issued For Review
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Date: 01/10/2019

Drawing No: C215

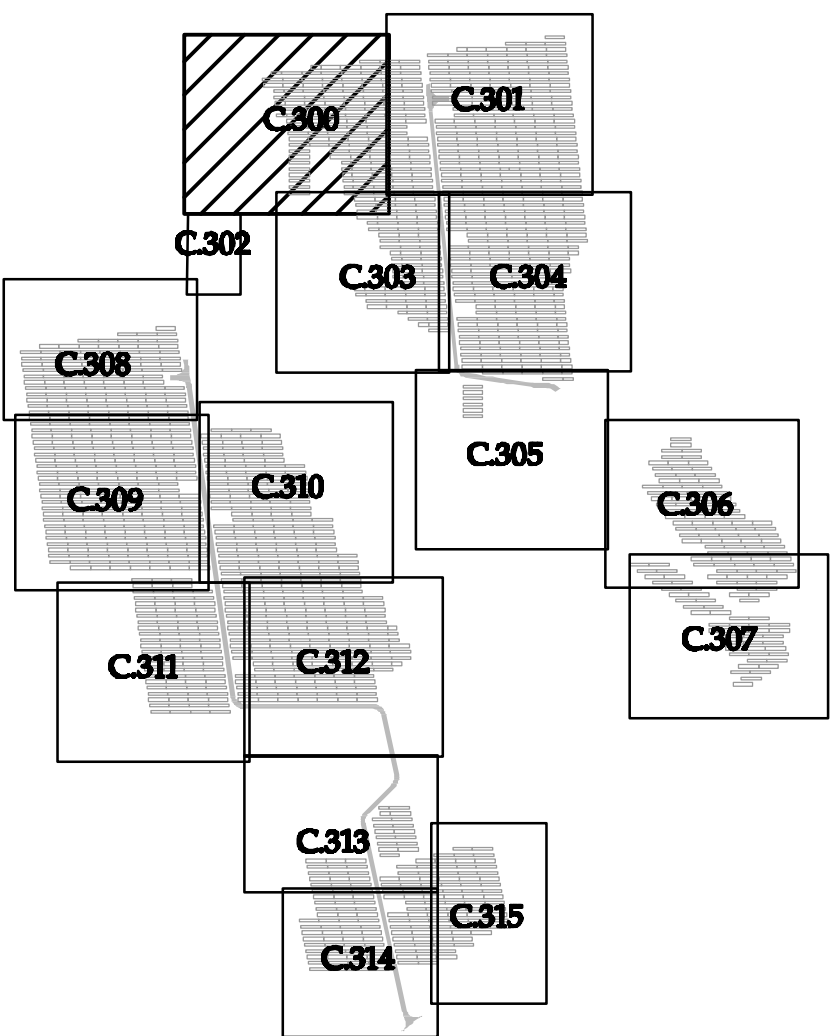


SEE SHEET C.303

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
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KEY MAP



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Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-1

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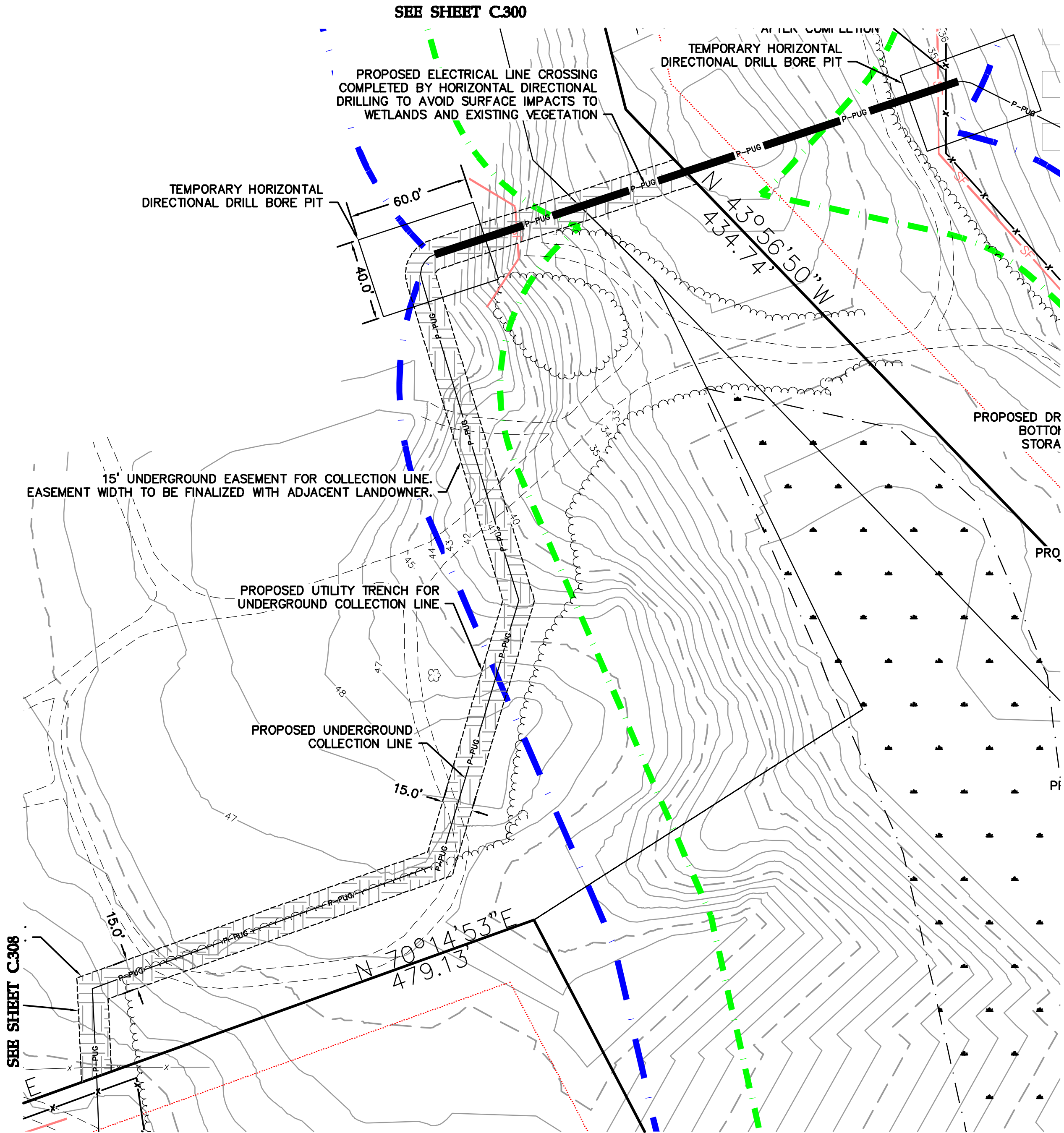
Date: 01/10/2019

Drawing No: C.300

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____

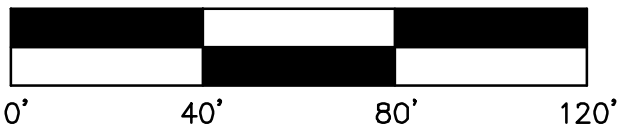
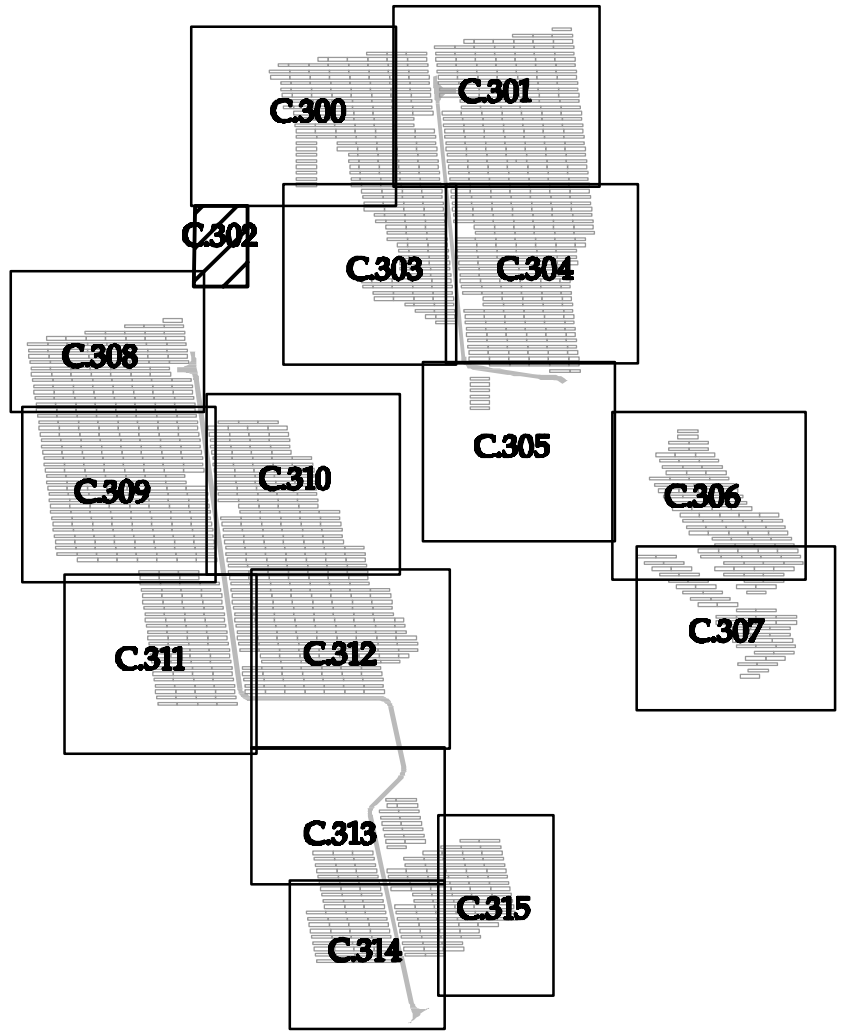
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LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
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- PROPOSED OVERHEAD POWER LINE
- ZONING SETBACK LINE
- PROPOSED EROSION CONTROL SLOPE BLANKET
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Fax (952) 937-5822 Minnetonka, MN 55343
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Designed: BTB
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Drawn: BTB

Record Drawing by/date:

Revisions	DATE	DESCRIPTION
#		

Prepared for:

**LI SOLAR
GENERATION, LLC**

**700 UNIVERSE BOULEVARD,
JUNO BEACH, FL**

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**Calverton Solar
Energy Center**

Suffolk County, NY

**Grading and Erosion
Control Plan-3**

**Issued For Review
Not For Construction**

Date: 01/10/2019

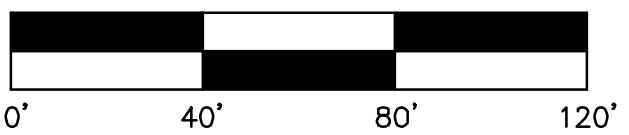
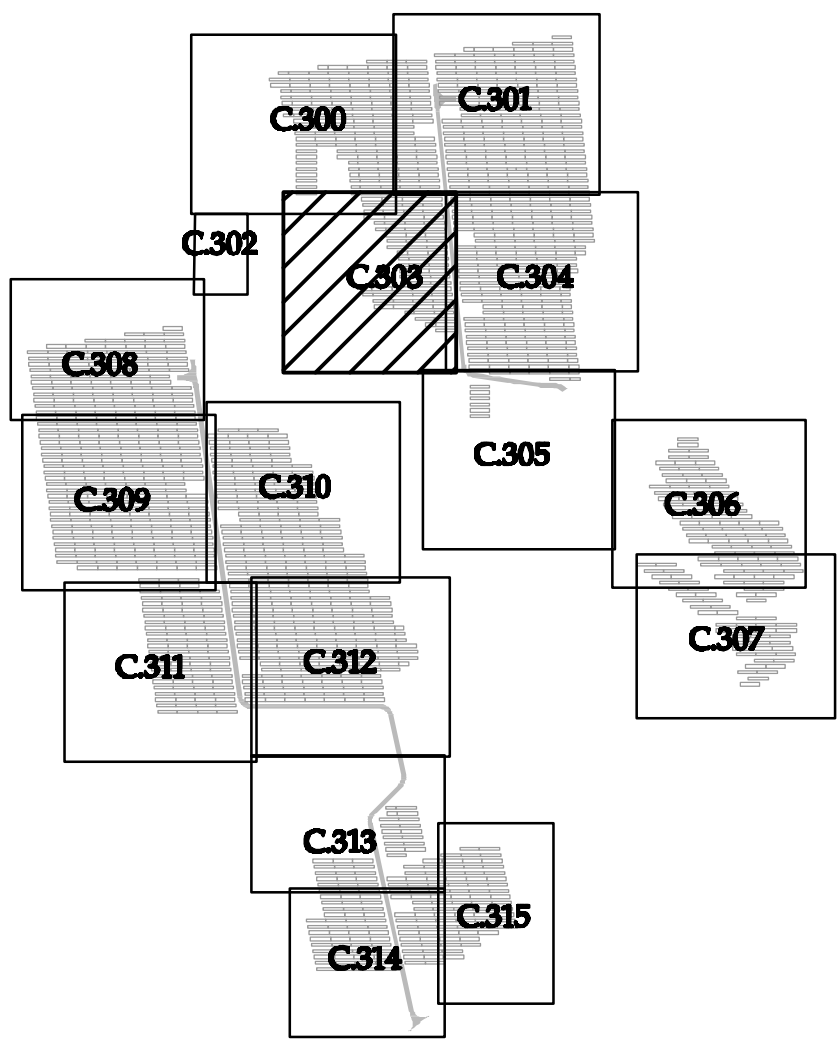
Drawing No: C.302

SEE SHEET C.300

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
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KEY MAP



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DATE DESCRIPTION

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700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-4

Issued For Review
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Date: 01/10/2019

Drawing No: C.303

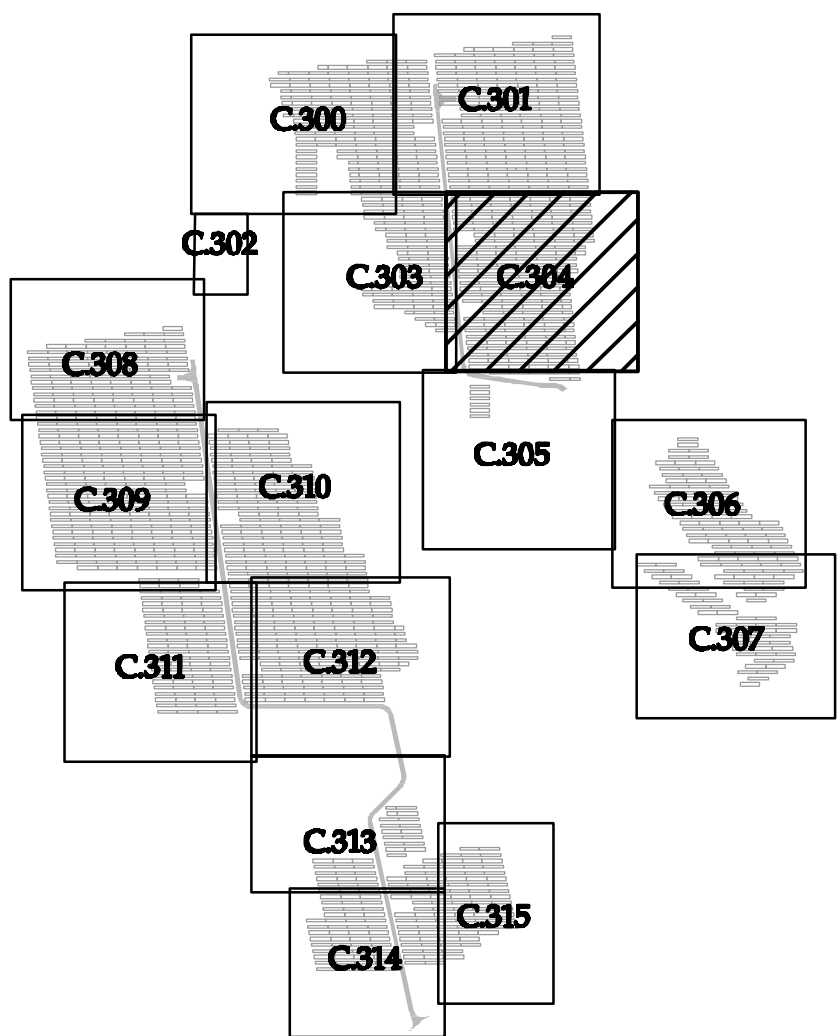
SEE SHEET C-301

SEE SHEET C-305

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
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KEY MAP



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DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

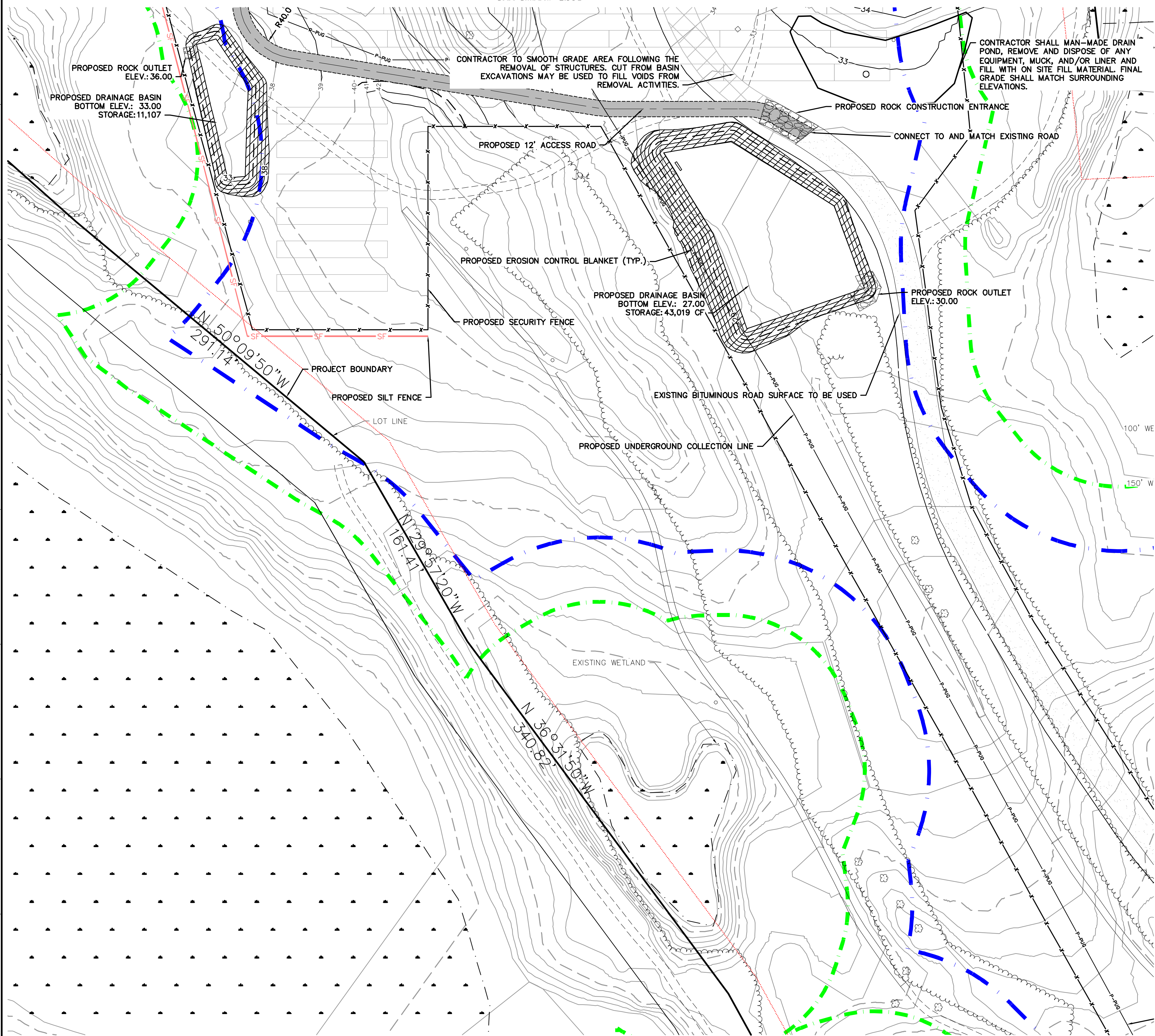
Grading and Erosion
Control Plan-5

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C-304

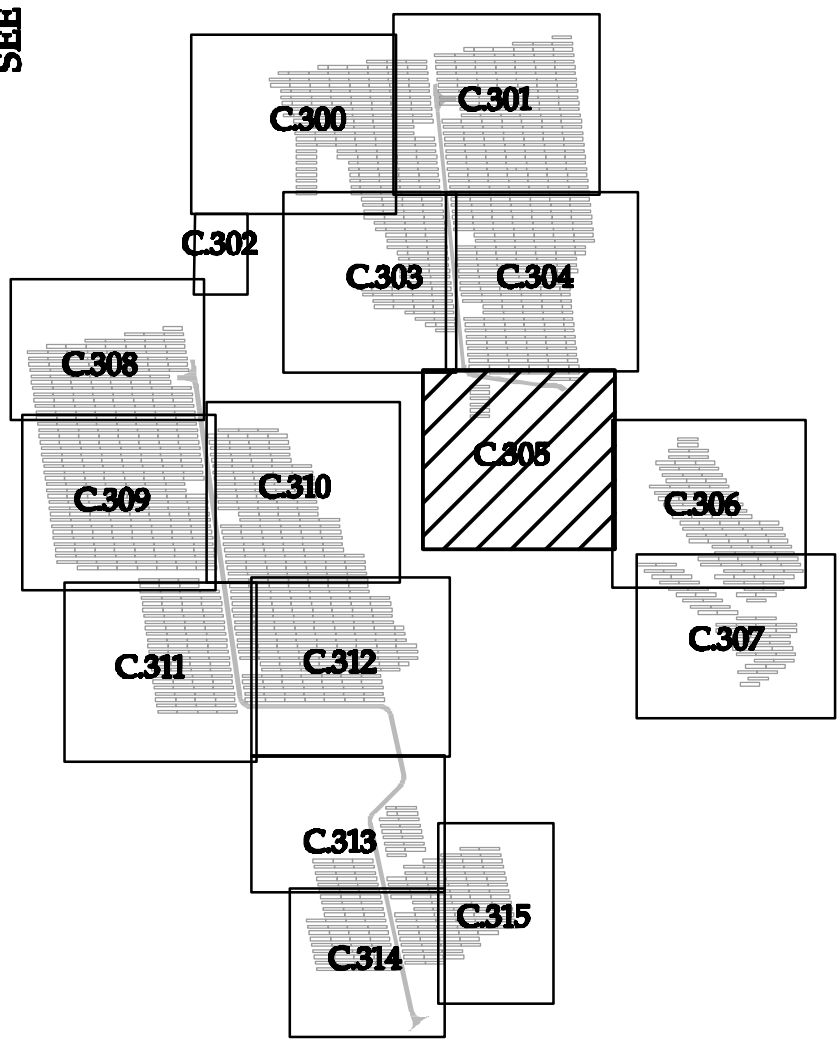
SEE SHEET C304



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
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Prepared for:

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700 UNIVERSE BOULEVARD,
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Calverton Solar
Energy Center

Suffolk County, NY

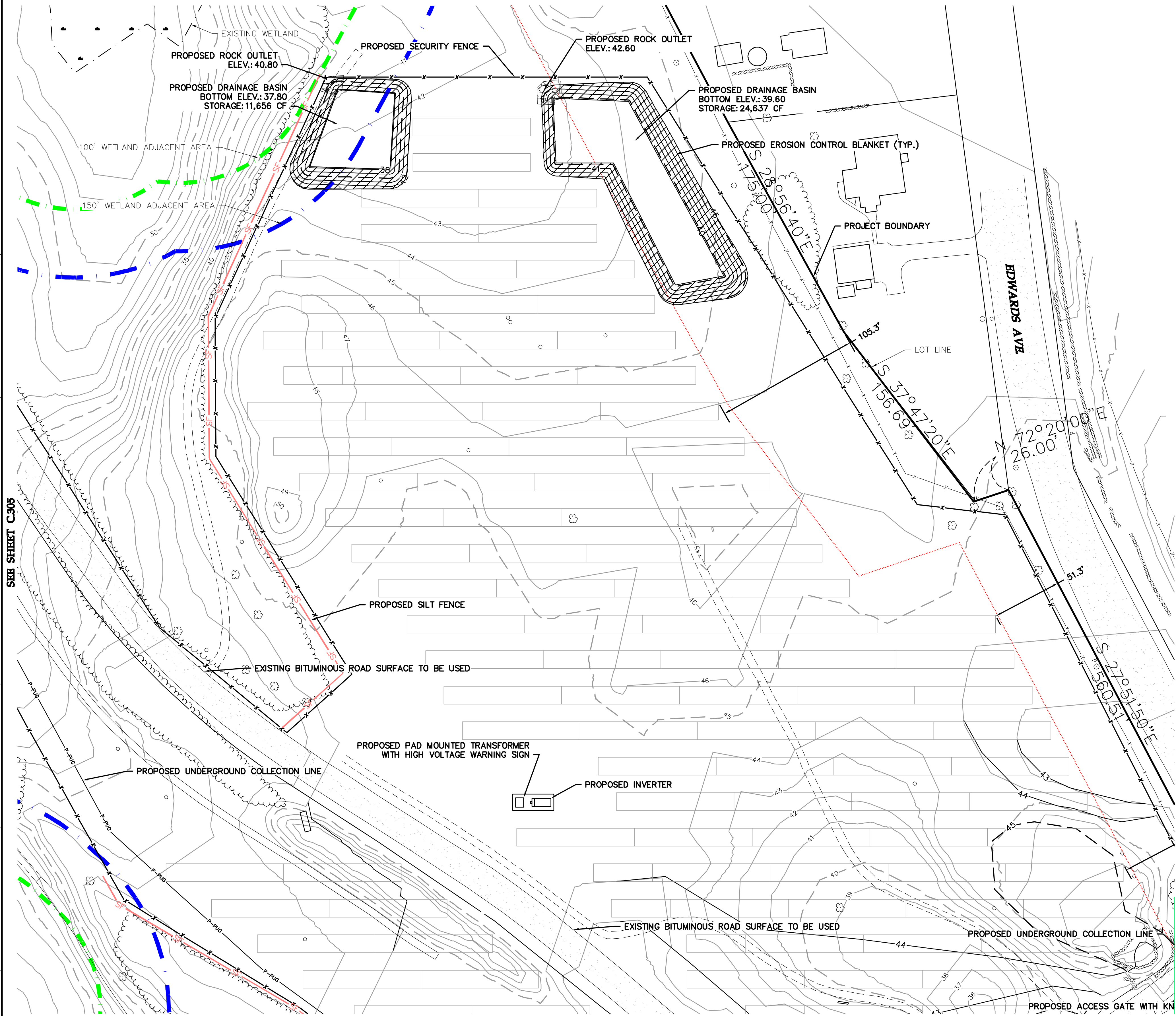
Grading and Erosion
Control Plan-6

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C305

SEE SHEET C306

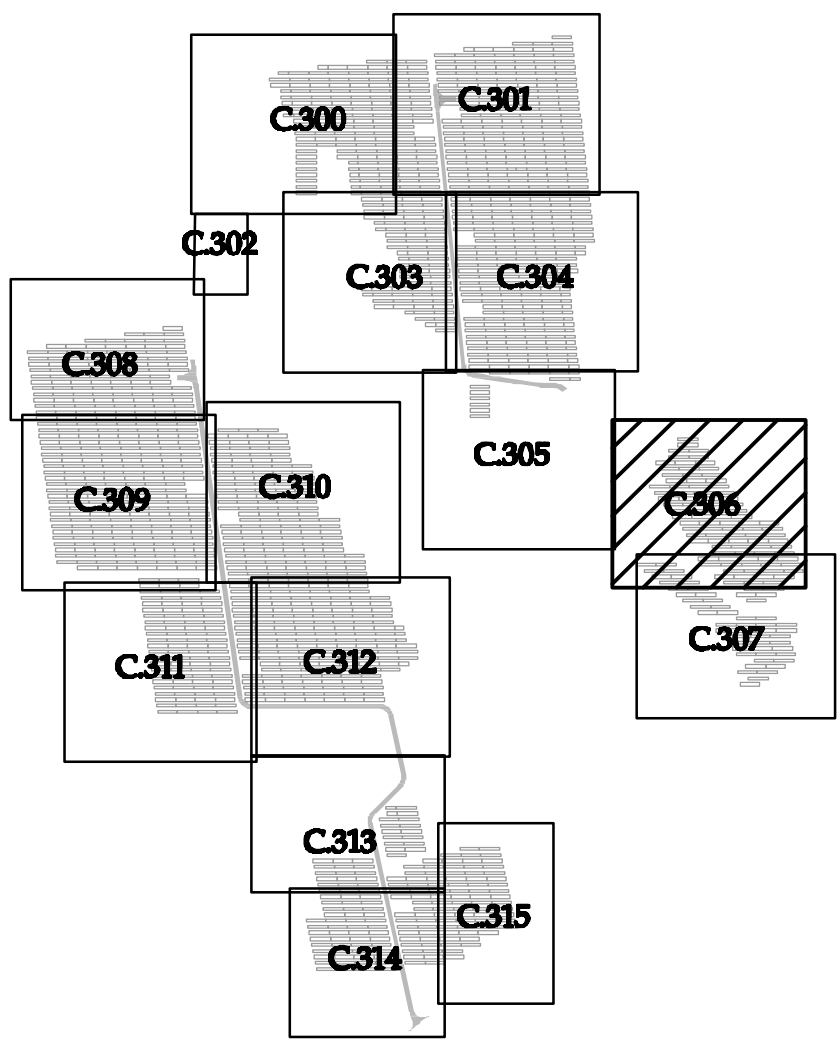


SEE SHEET C307

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
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Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions # DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the
Planning Board of the town of Riverhead by Planning Board Resolution
number _____ dated _____ Signature by Planning Board
Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

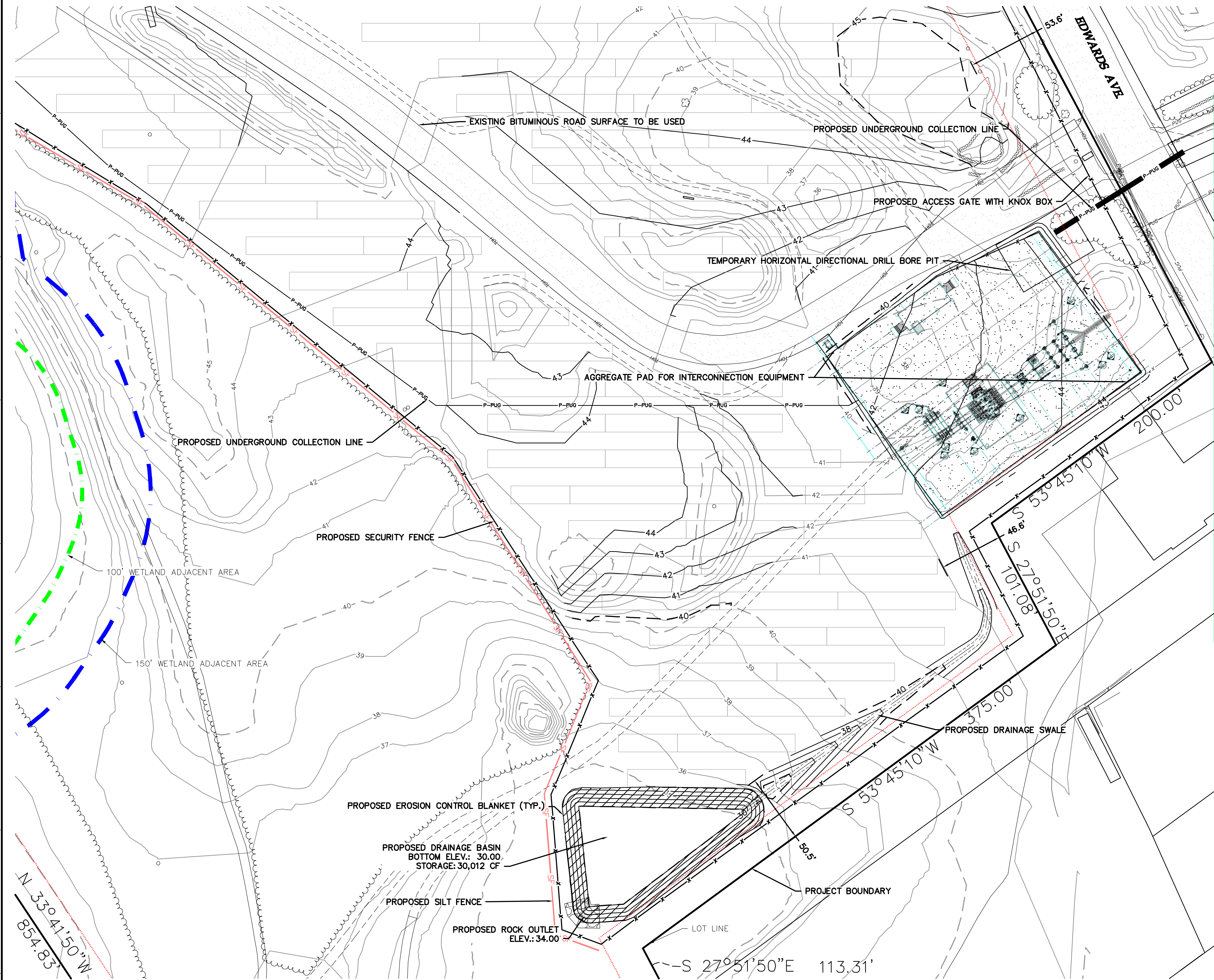
Suffolk County, NY

Grading and Erosion
Control Plan-7

Issued For Review
Not For Construction

Date: 01/10/2019

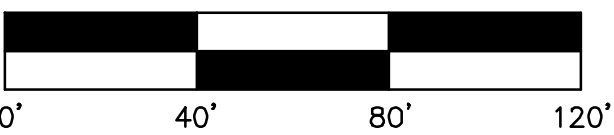
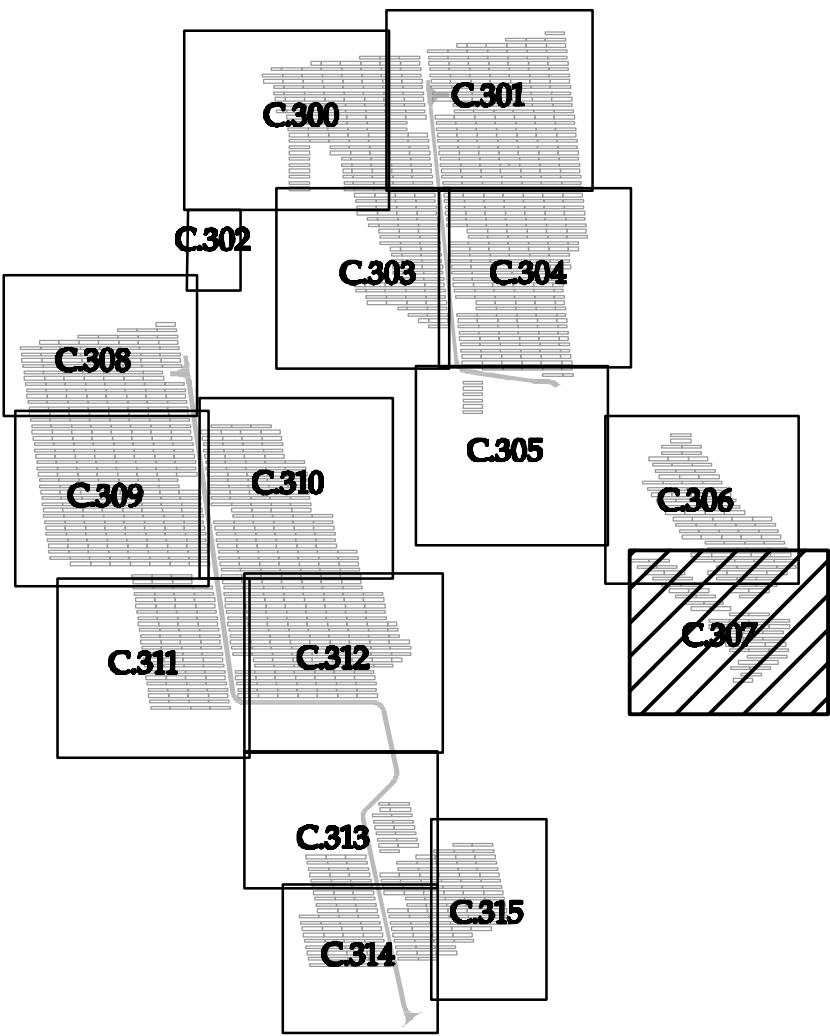
Drawing No: C306



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
- EXISTING OVERHEAD TELEPHONE
- EDGE EXISTING VEGETATION LINE
- EXISTING WETLAND
- 100' WETLAND ADJACENT AREA
- 150' WETLAND ADJACENT AREA
- EXISTING PAVED ROAD
- EXISTING GRAVEL ROAD
- EXISTING INDEX CONTOUR LINE
- EXISTING INTERVAL CONTOUR LINE
- PROPOSED INDEX CONTOUR LINE
- PROPOSED INTERVAL CONTOUR LINE
- PROPOSED SOLAR ARRAY
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED ACCESS ROAD
- PROPOSED SILT FENCE
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED HORIZONTAL DIRECTION DRILLED UNDERGROUND COLLECTION
- PROPOSED OVERHEAD POWER LINE
- ZONING SETBACK LINE
- PROPOSED EROSION CONTROL
- SLOPE BLANKET
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-8

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.307



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions: # DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-9

Issued For Review
Not For Construction

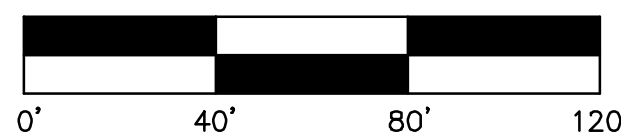
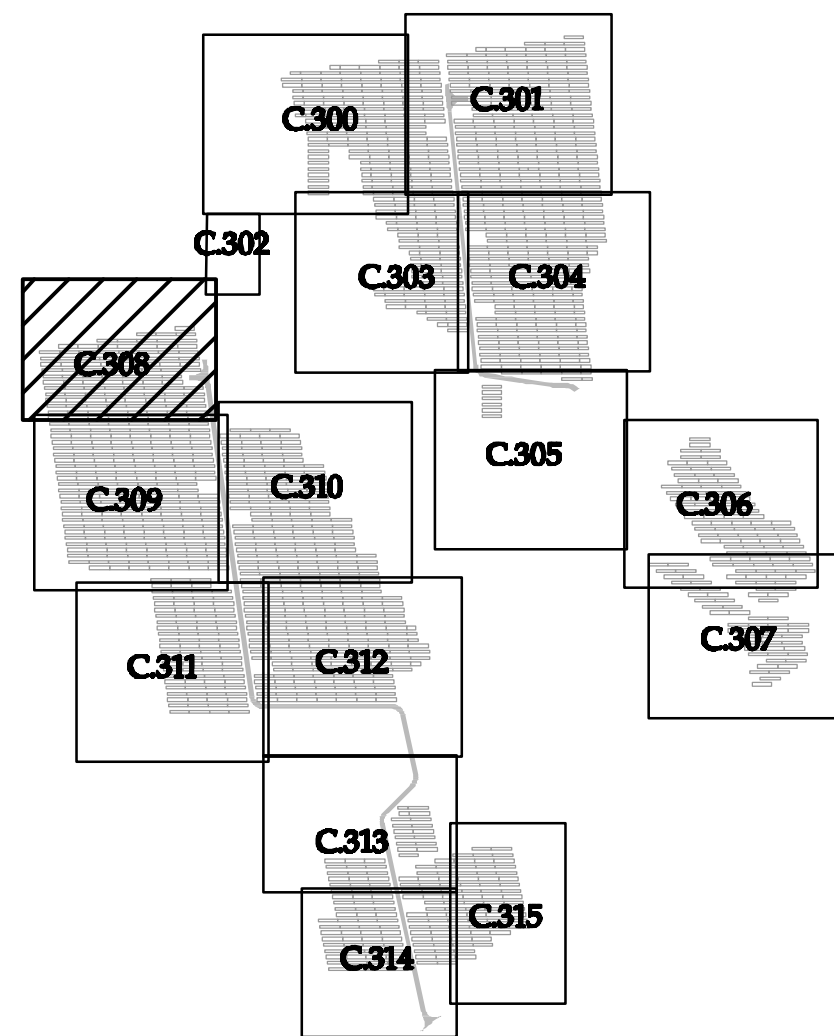
Date: 01/10/2019

Drawing No: C308

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND POWER
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- PROPOSED SILT FENCE
- PROPOSED SECURITY FENCE
- PROPOSED UNDERGROUND COLLECTION
- PROPOSED HORIZONTAL DIRECTION DRILLED
- UNDERGROUND COLLECTION
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- ZONING SETBACK LINE
- PROPOSED EROSION CONTROL
- SLOPE BLANKET
- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



15' UNDERGROUND EASEMENT FOR COLLECTION LINE.
FINAL EASEMENT WIDTH TO BE FINALIZED WITH ADJACENT LANDOWNER.

PROPOSED UTILITY TRENCH FOR UNDERGROUND COLLECTION LINE

PROPOSED SILT FENCE

PROPOSED ROCK OUTLET
ELEV.: 34.00

PROPOSED DRAINAGE BASIN
BOTTOM ELEV.: 31.00
STORAGE: 51,270 CF

PROPOSED SECURITY FENCE

PROPOSED EROSION CONTROL BLANKET (TYP.)

PROJECT BOUNDARY

PROPOSED 12' ACCESS ROAD

PROPOSED PAD MOUNTED TRANSFORMER
WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

PROPOSED UNDERGROUND COLLECTION LINE

SEE SHEET C309

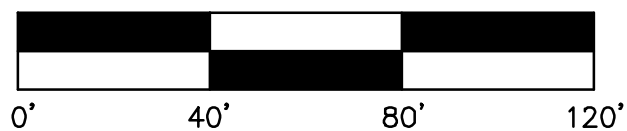
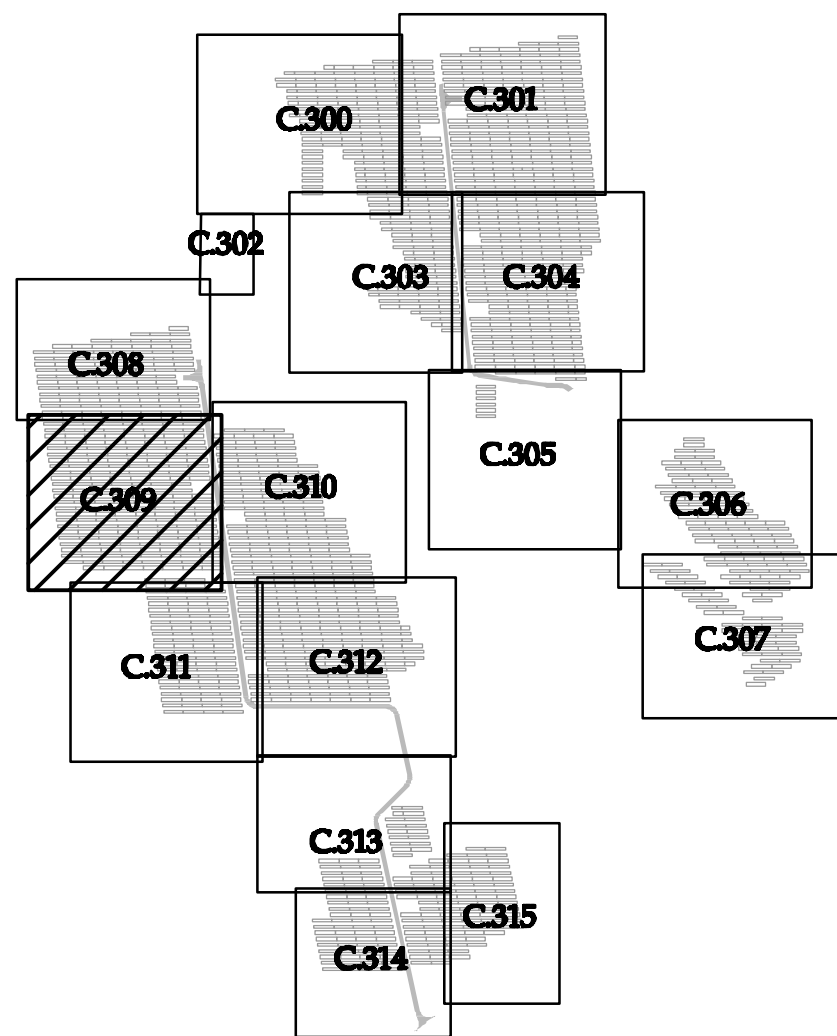
SEE SHEET C.308

SEE SHEET C.311

LEGEND:

- EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
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STRUCTURES TO BE REMOVED
PROPOSED AGGREGATE PAD FOR
INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Fax (952) 937-5822 Minnetonka, MN 55343
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Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions: # DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

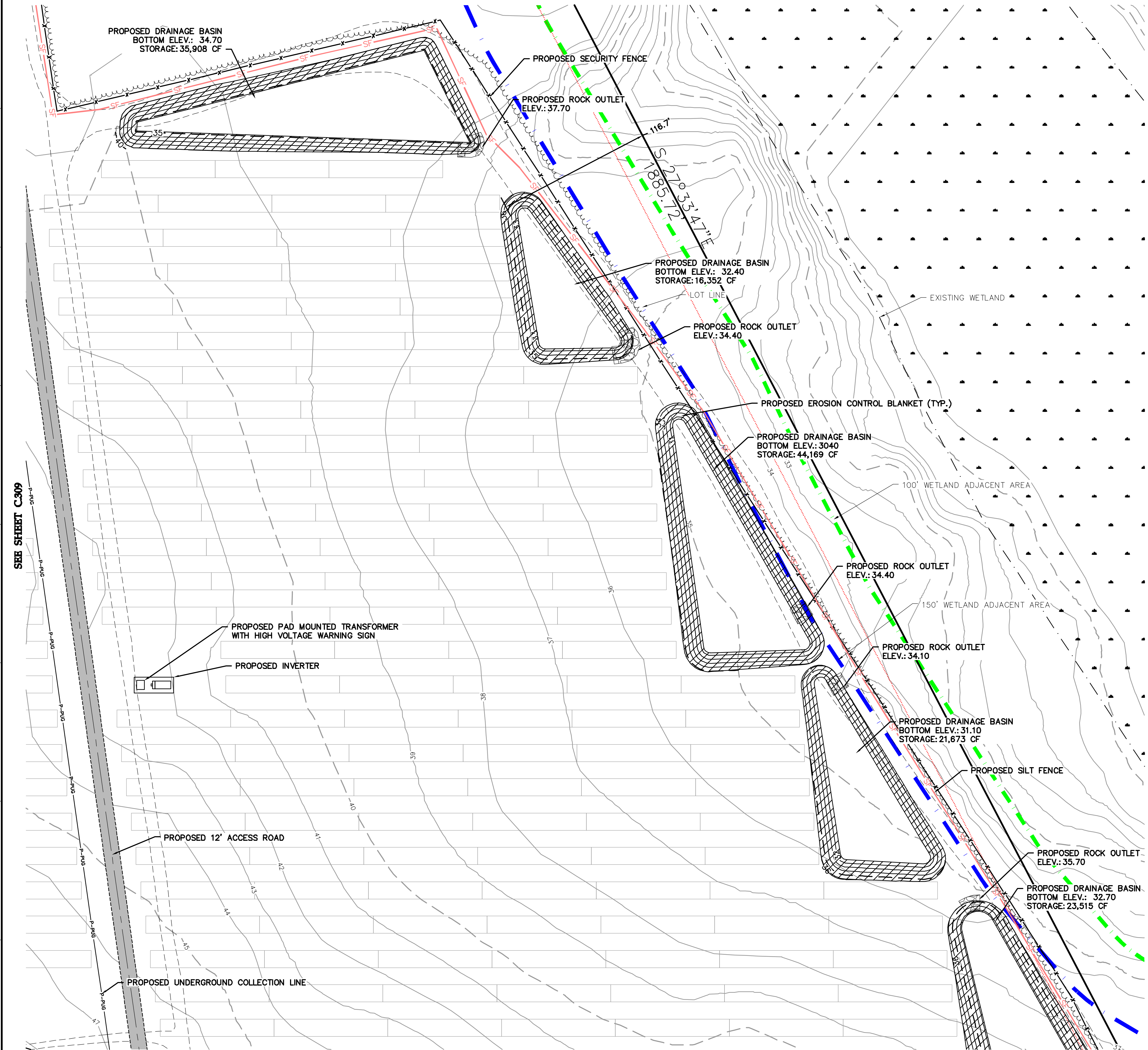
Suffolk County, NY

Grading and Erosion
Control Plan-10

Issued For Review
Not For Construction

Date: 01/10/2019

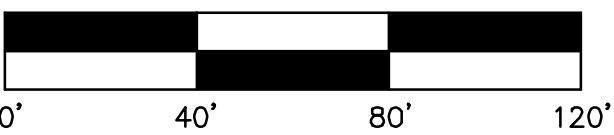
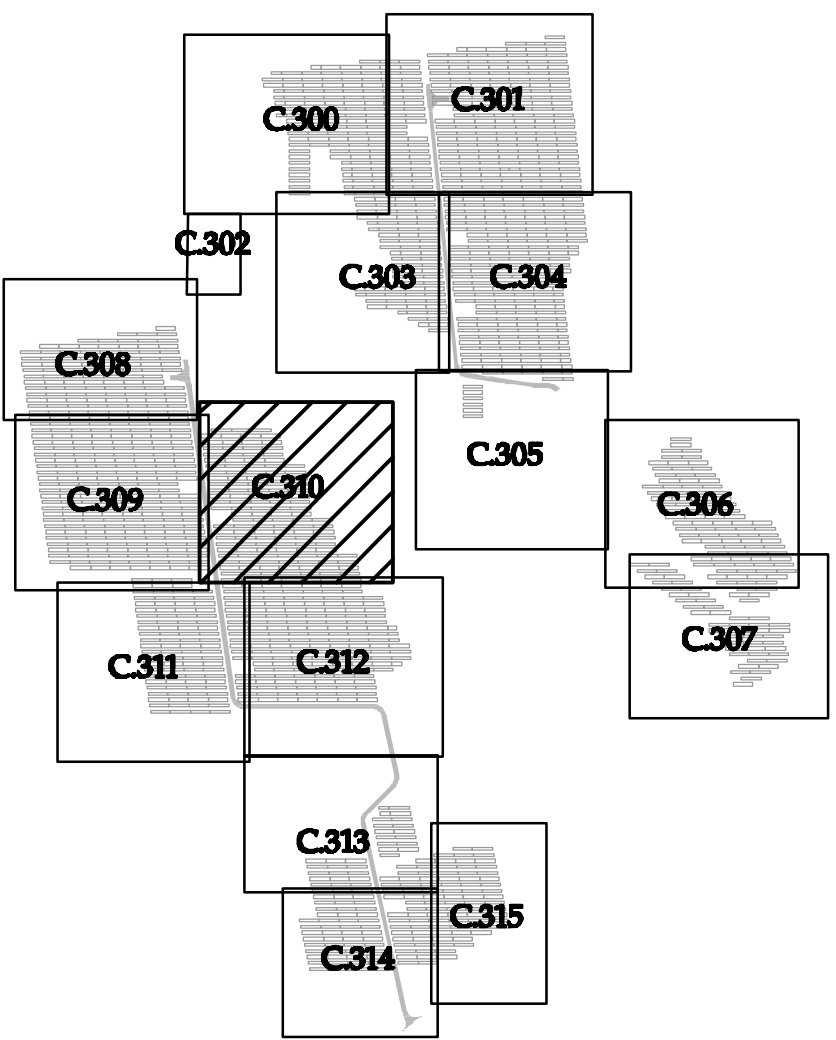
Drawing No: C.309



LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
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- STRUCTURES TO BE REMOVED
- PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

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Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-11

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C310

SHEET C309

PROPOSED PAD MOUNTED TRANSFORMER WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

N 06°30'47"W 676.86'

PROPOSED TEMPORARY LAYDOWN YARD

PROPOSED PAD MOUNTED TRANSFORMER WITH HIGH VOLTAGE WARNING SIGN

PROPOSED INVERTER

PROPOSED UNDERGROUND COLLECTION LINE

LOT LINE

PROPOSED 12' ACCESS ROAD

PROPOSED DRAINAGE BASIN
BOTTOM ELEV.: 41.00
STORAGE: 41,273 CF

PROPOSED SILT FENCE

PROPOSED EROSION CONTROL BLANKET (TYP.)

PROPOSED ROCK OUTLET
ELEV.: 44.00

PROPOSED TEMPORARY LAYDOWN YARD

N 89°27'07"W 430.17'

LOT LINE

N 86°57'27"W 313.39'

LEGEND:

EXISTING PROPERTY LINE
EXISTING SECTION LINE
EXISTING EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING OVERHEAD POWERLINE
EXISTING FENCE LINE
EXISTING GAS LINE
EXISTING UNDERGROUND POWER
EXISTING OVERHEAD TELEPHONE
EDGE EXISTING VEGETATION LINE

EXISTING WETLAND
100' WETLAND ADJACENT AREA
150' WETLAND ADJACENT AREA
EXISTING PAVED ROAD
EXISTING GRAVEL ROAD
EXISTING INDEX CONTOUR LINE
EXISTING INTERVAL CONTOUR LINE

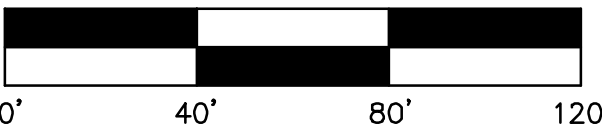
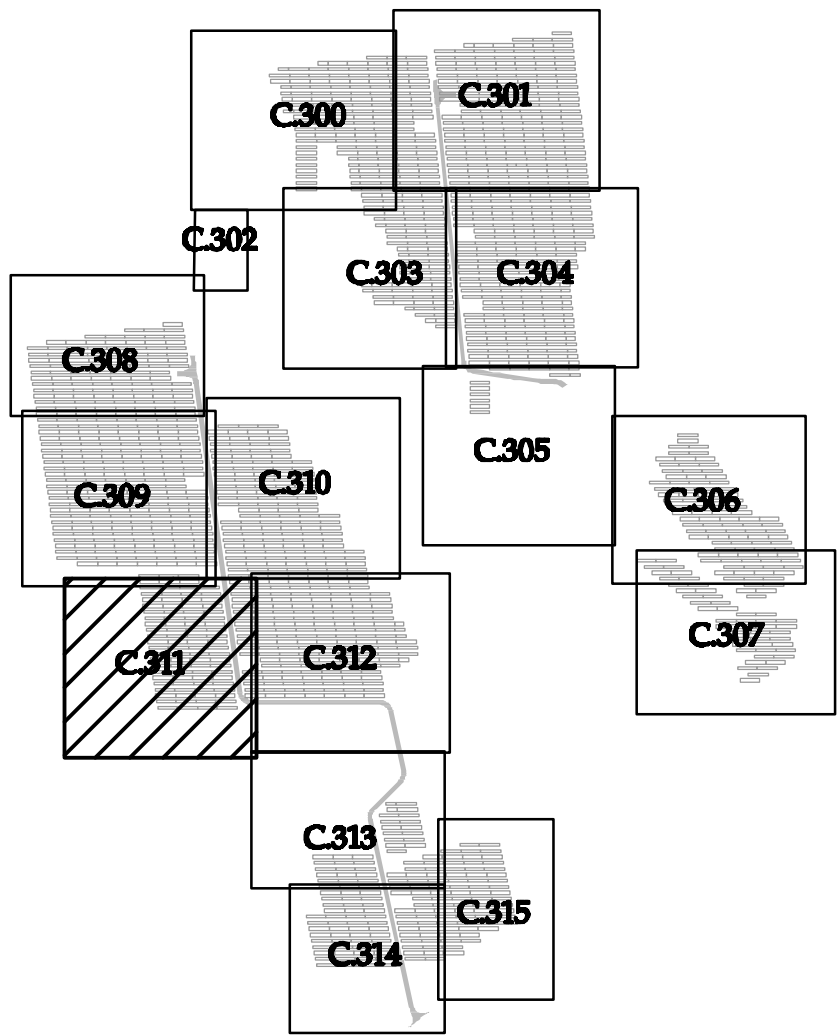
PROPOSED INDEX CONTOUR LINE
PROPOSED INTERVAL CONTOUR LINE

PROPOSED SOLAR ARRAY
PROPOSED ELECTRICAL EQUIPMENT
PROPOSED ACCESS ROAD
PROPOSED SILT FENCE
PROPOSED SECURITY FENCE
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UNDERGROUND COLLECTION
PROPOSED OVERHEAD POWER LINE
ZONING SETBACK LINE
PROPOSED EROSION CONTROL
SLOPE BLANKET

STRUCTURES TO BE REMOVED

PROPOSED AGGREGATE PAD FOR
INTERCONNECTION EQUIPMENT

KEY MAP



Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
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Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-12

Issued For Review
Not For Construction

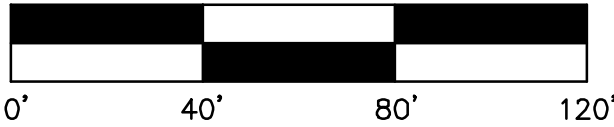
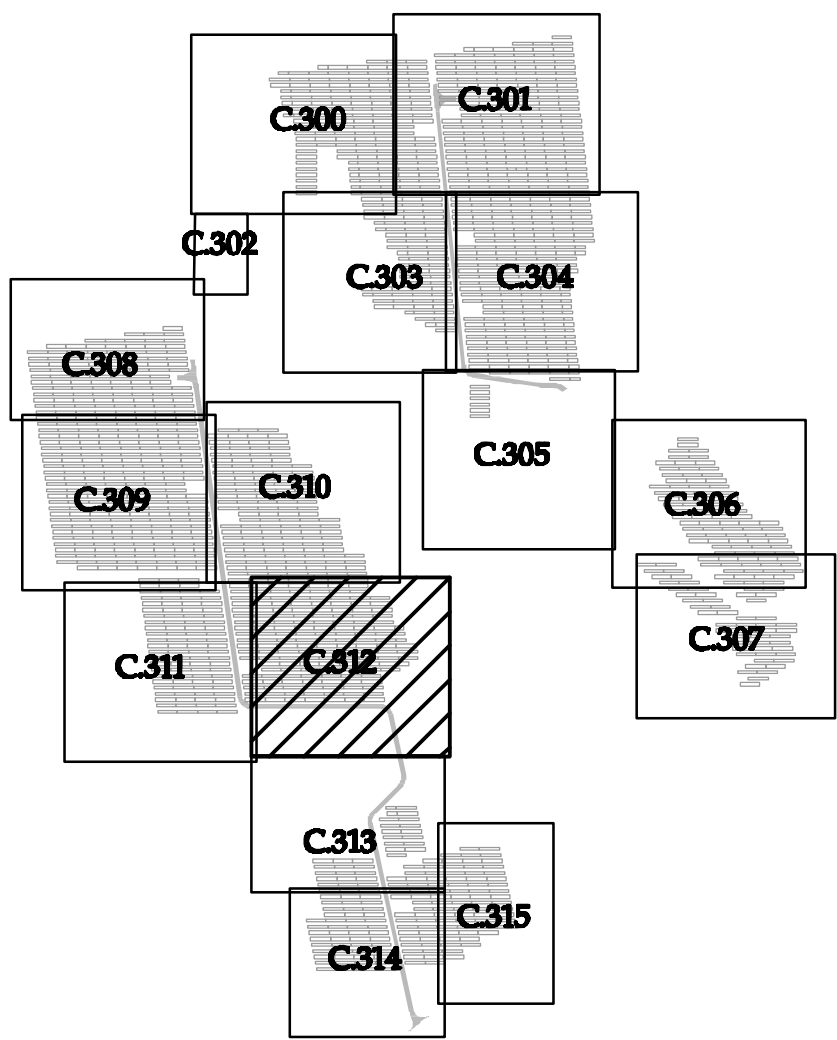
Date: 01/10/2019

Drawing No: C311

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
- EXISTING FENCE LINE
- EXISTING GAS LINE
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- EXISTING GRAVEL ROAD
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KEY MAP



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Toll Free (888) 937-5150 westwoodps.com



Designed: DTB

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Drawn: DTB

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Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-13

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.312

A
B
C
D
E
F
G
H

SEE SHEET C312

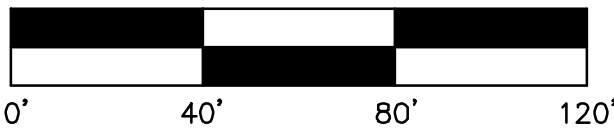
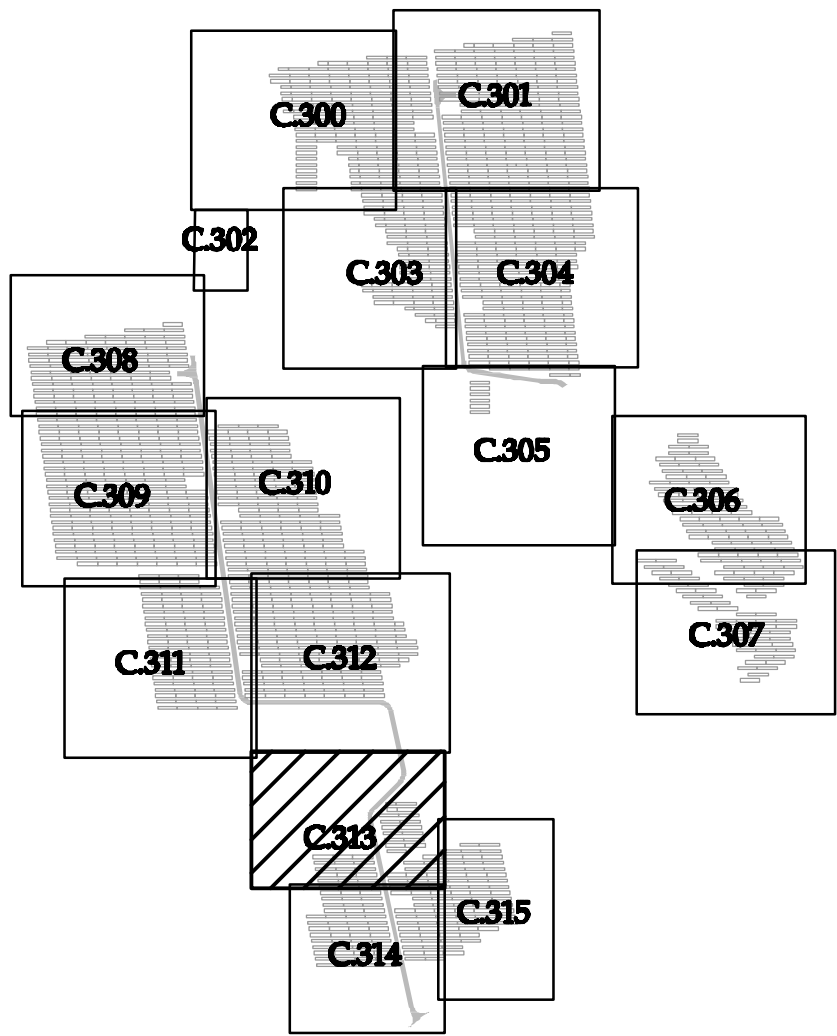
SEE SHEET C314

SEE SHEET C315

LEGEND:

- EXISTING PROPERTY LINE
- EXISTING SECTION LINE
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY LINE
- EXISTING OVERHEAD POWERLINE
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Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

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Record Drawing by/date:

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DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

Suffolk County, NY

Grading and Erosion
Control Plan-14

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C313



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions # DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

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Calverton Solar
Energy Center

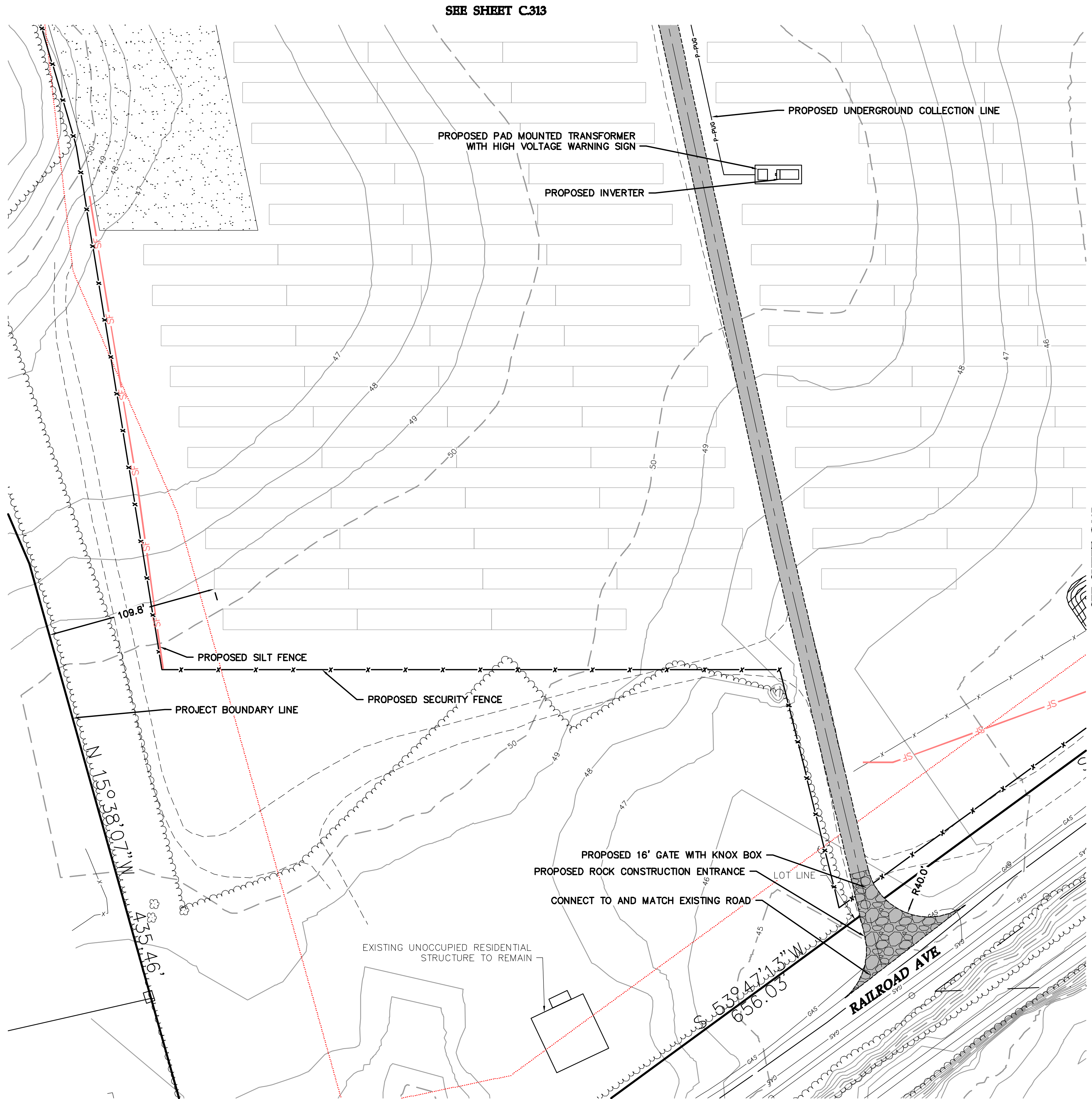
Suffolk County, NY

Grading and Erosion
Control Plan-15

Issued For Review
Not For Construction

Date: 01/10/2019

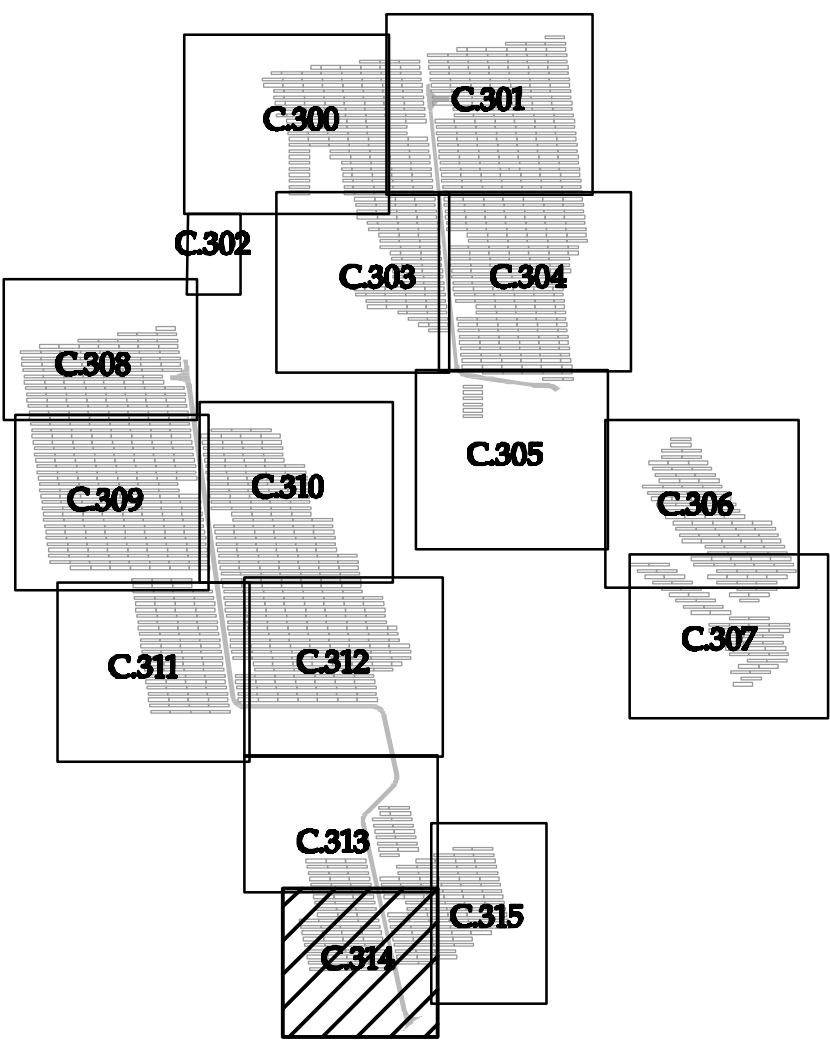
Drawing No: C314

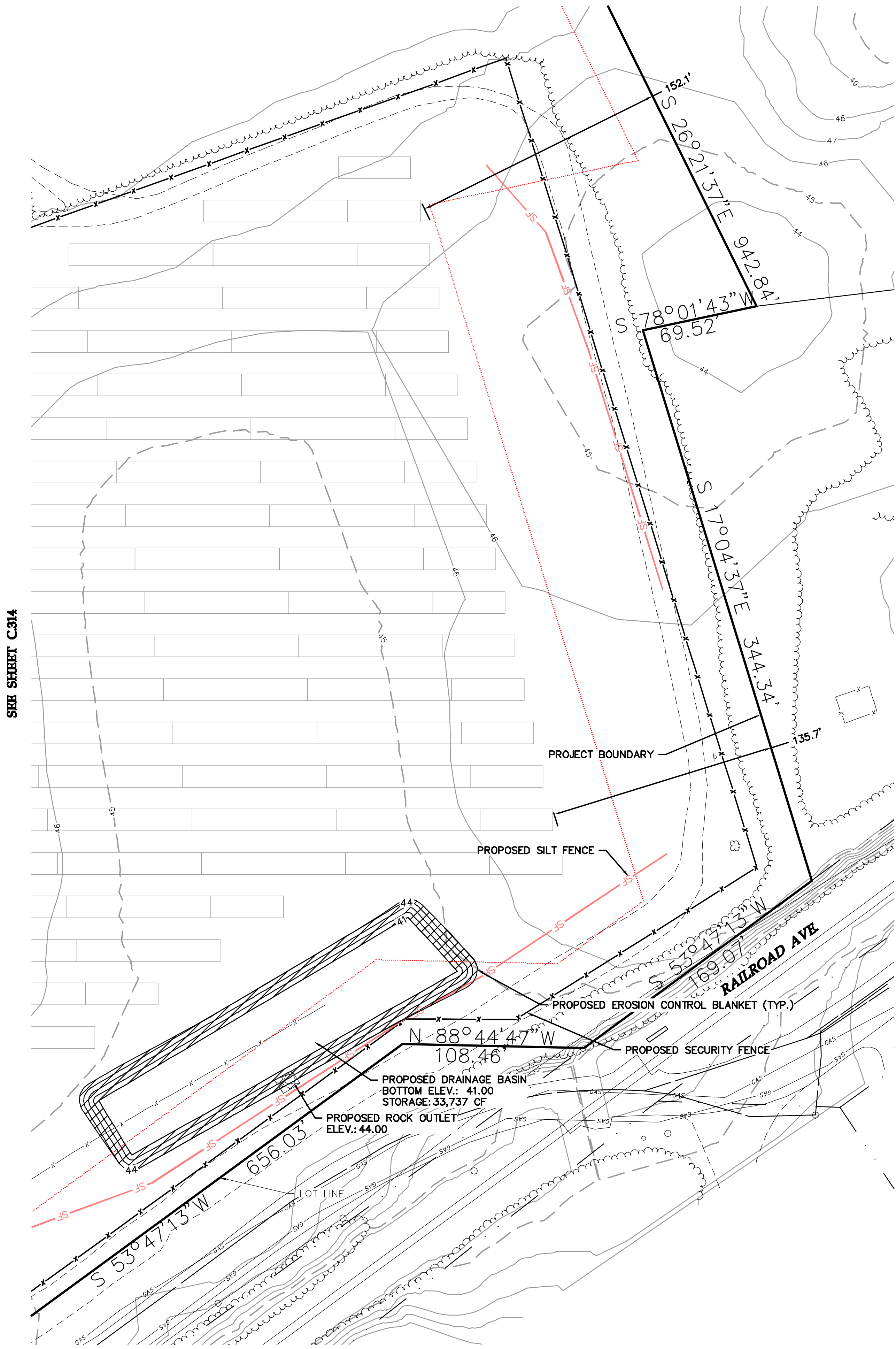


LEGEND:

- EXISTING PROPERTY LINE
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KEY MAP

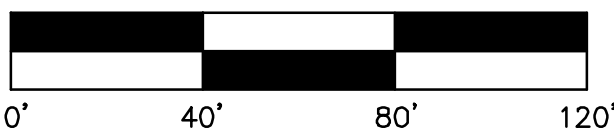
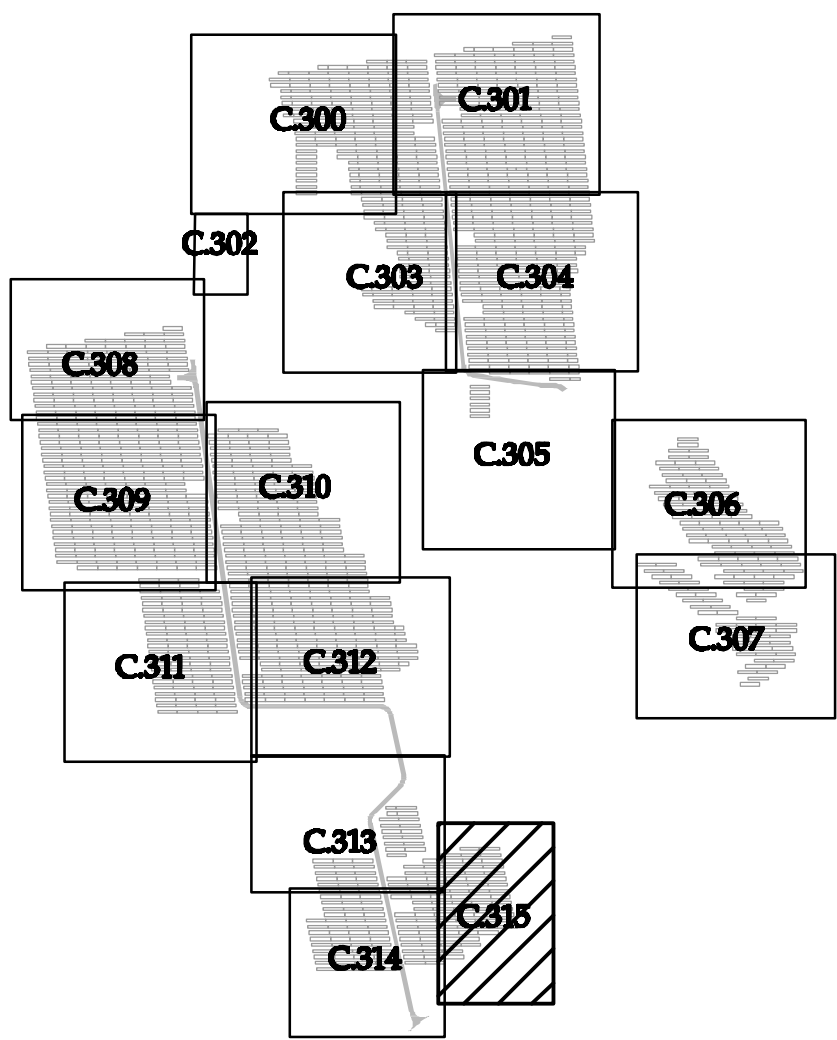




LEGEND:

- | | |
|-----|--|
| --- | EXISTING PROPERTY LINE |
| --- | EXISTING SECTION LINE |
| --- | EXISTING EASEMENT LINE |
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| --- | STRUCTURES TO BE REMOVED |
| --- | PROPOSED AGGREGATE PAD FOR INTERCONNECTION EQUIPMENT |

KEY MAP



Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions:
DATE DESCRIPTION

Prepared for:

**LI SOLAR
GENERATION, LLC**

**700 UNIVERSE BOULEVARD,
JUNO BEACH, FL**

PLANNING BOARD CERTIFICATION

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**Calverton Solar
Energy Center**

Suffolk County, NY

**Grading and Erosion
Control Plan-16**

**Issued For Review
Not For Construction**

Date: 01/10/2019

Drawing No: C315



SOLAR FARM SEED MIX

% SEED	BOTANICAL NAME	COMMON NAME
30%	FESTUCA RUBRA	CREeping RED FESCUE
30%	FESTUCA OVINA "WHISPER"	SHEEP FESCUE "WHISPER"
15%	FESTUCA OVINA VAR. DURIUSCULA (F. LONGIFOLIA) "HERON"	HARD FESCUE "HERON"
15%	FESTUCA BREVIPILA "CHARIOT"	HARD FESCUE "CHARIOT"
10%	LOLIUM MULTIFLORUM (L. PERENNE VAR. ITALICUM)	ANNUAL RYEGRASS

TOTAL 100%

SEED MIX NOTES:

- SEEDING RATE TO BE 6LB PER 1,000SF. SEED MIX TO BE ERNX-186 "SOLAR FARM SEED MIX" AS MANUFACTURED BY ERNST CONSERVATION SEED, 8884 MERCER PIKE, MEADVILLE PA, 16335 (800) 873-3321.
- CONTRACTOR SHALL INSTALL & MAINTAIN (DURING MAINTENANCE PERIOD & PRIOR TO ACCEPTANCE) SEED APPLICATION AS PER MANUFACTURER'S ESTABLISHMENT AND RECOMMENDATIONS.
- CONTRACTOR SHALL SUBMIT SOURCE, SAMPLE, CERTIFIED SEED ANALYSIS, AND DETAILED METHOD OF INSTALLATION & ESTABLISHMENT FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO ORDERING.

LEGEND:

	SOLAR FARM SEED MIX (122.95 ACRES)
	HYDROSEED/HYDROMULCH (17.79 ACRES)

Westwood

Phone (952) 937-5150 12701 Whitewater Drive, Suite 300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com



Designed: **BTB**

Checked: **ADC**

Drawn: **BTB**

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

**LI SOLAR
GENERATION, LLC**

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the
Planning Board of the town of Riverhead by Planning Board Resolution
number _____ dated _____ Signature by Planning Board
Chairperson _____
Date of signature _____

**Calverton Solar
Energy Center**

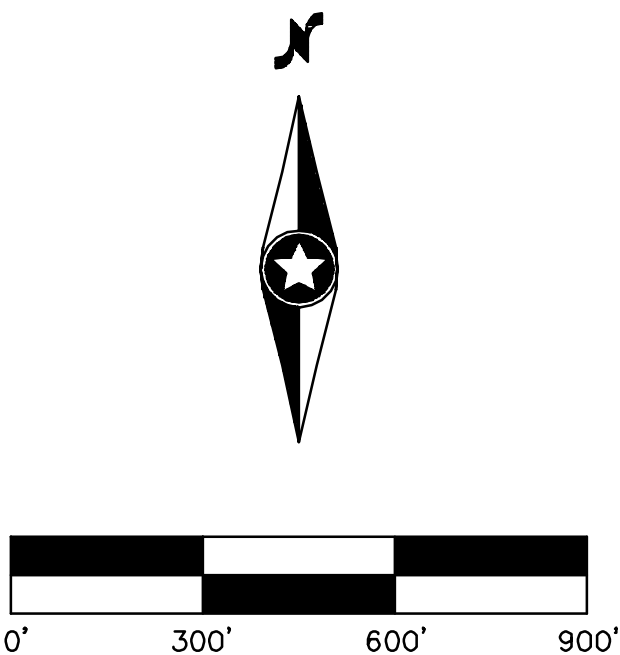
Suffolk County, NY

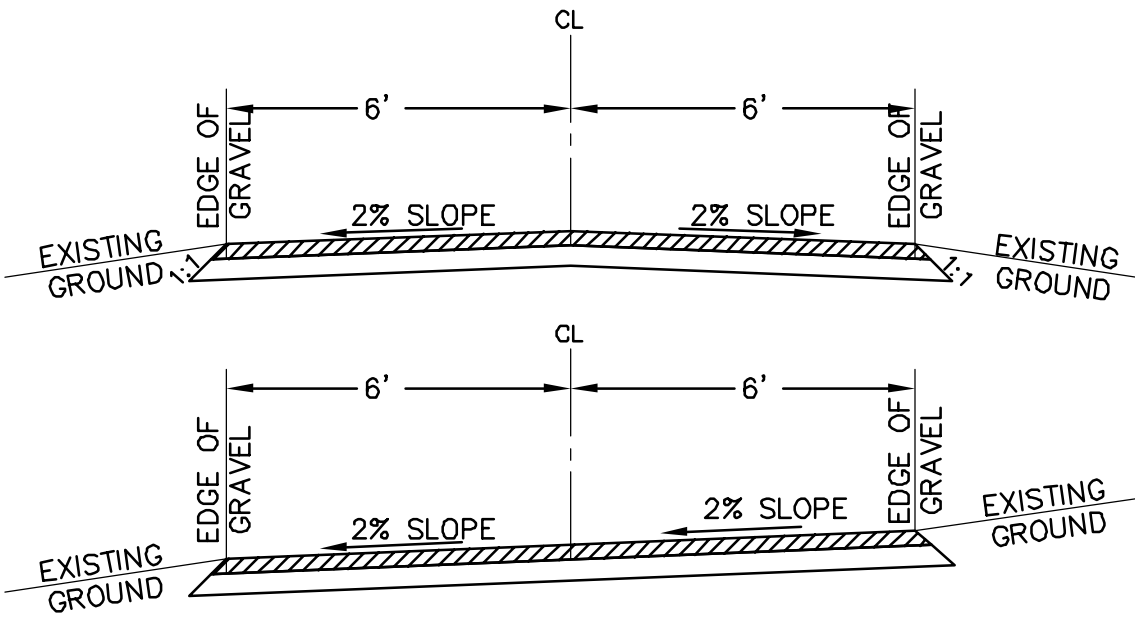
Seeding Plan

Issued For Review
Not For Construction

Date: **01/10/2019**

Drawing No: **C.316**

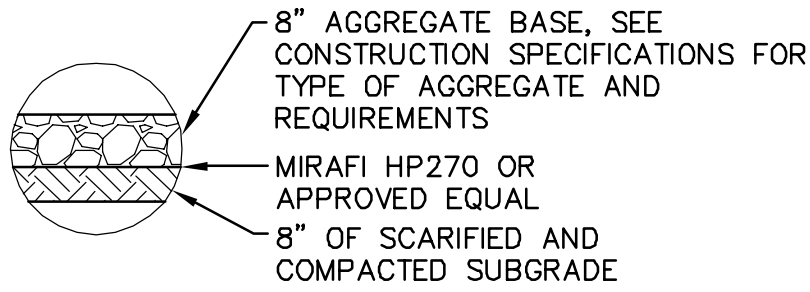




- NOTES:**
- CONTRACTOR SHALL CONSTRUCT CROSS-SLOPE ROAD SECTION WHERE ACCESS ROADS ARE CONSTRUCTED ON A SIDE SLOPE, AND WHERE OTHERWISE NOTED ON PLANS, TO ENSURE THAT ROADS AND SHOULDERS REMAIN WELL DRAINED AT ALL TIMES.

12' ACCESS ROADWAY

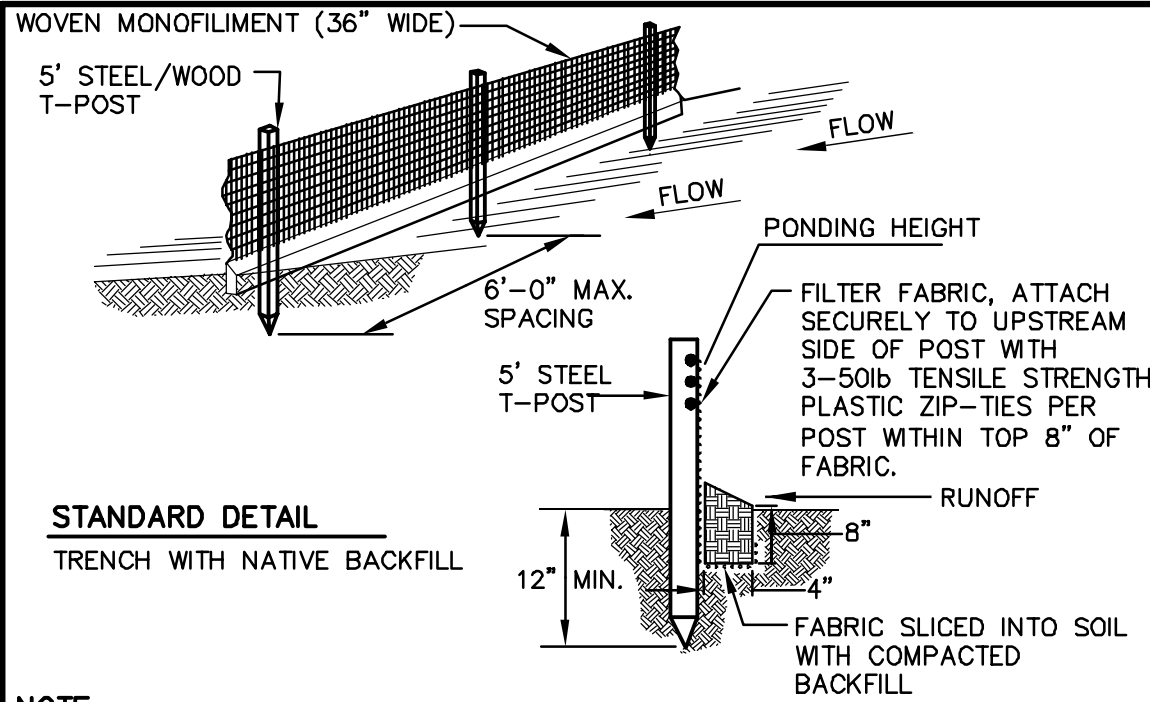
Westwood	TYPICAL SOLAR ACCESS ROAD	LAST REVISED: 11/07/14 RD01
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12' ACCESS ROAD CROSS SECTION

- NOTE:**
- STRUCTURAL SECTIONS SHOWN ARE THE MINIMUM THICKNESS REQUIREMENTS DURING NORMAL FIELD CONDITIONS. THE SECTIONS MAY NEED TO BE INCREASED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. CONDITIONS INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION DURING UNUSUALLY WET PERIODS, OR IN LOW/WET AREAS.
 - FINAL DESIGN MAY PROVIDE A DIFFERENT CROSS SECTION

Westwood	TYPICAL STRUCTURAL CROSS SECTIONS	LAST REVISED: 11/07/14 RD02
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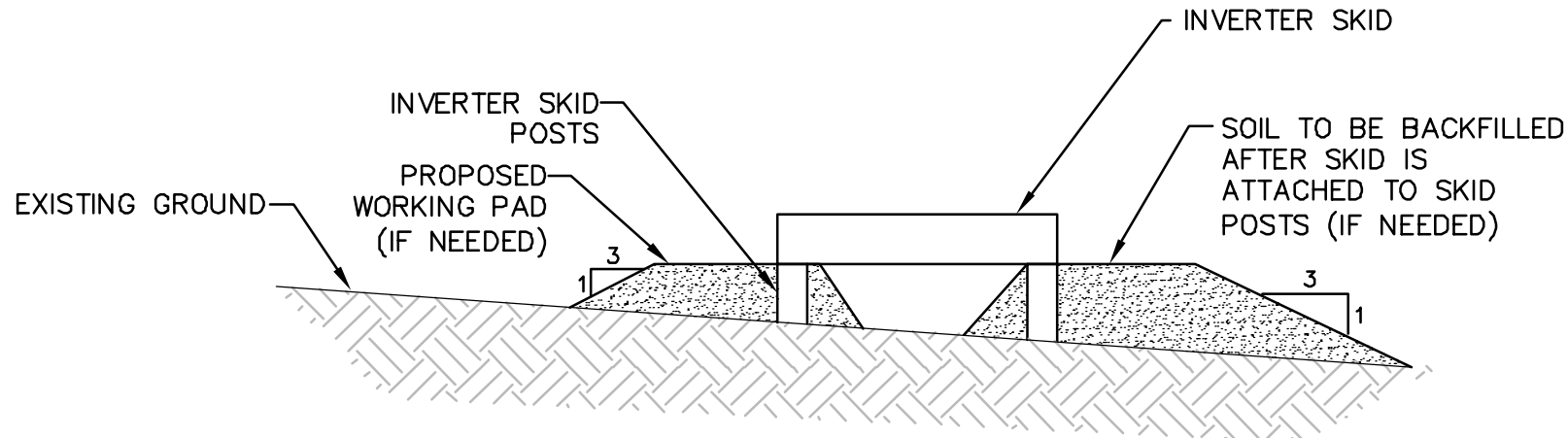


STANDARD DETAIL

TRENCH WITH NATIVE BACKFILL

- NOTE:**
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO 1/2 THE HEIGHT OF THE FABRIC OR MORE.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 - ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".

Westwood	SILT FENCE	LAST REVISED: 11/24/14
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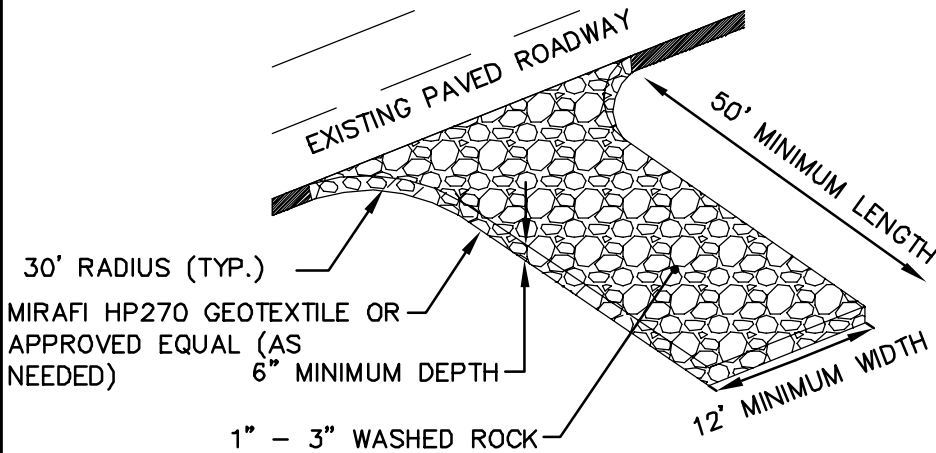


SECTION VIEW

- NOTE:**
- SOIL SHALL BE BACKFILLED AROUND INVERTER PAD IF A WORKING SURFACE IS NEEDED FOR ELECTRICAL EQUIPMENT

TYPICAL SOLAR INVERTER ON DRIVEN PILES

Westwood	TYPICAL SOLAR INVERTER ON DRIVEN PILES	LAST REVISED: 08/20/15 INV01
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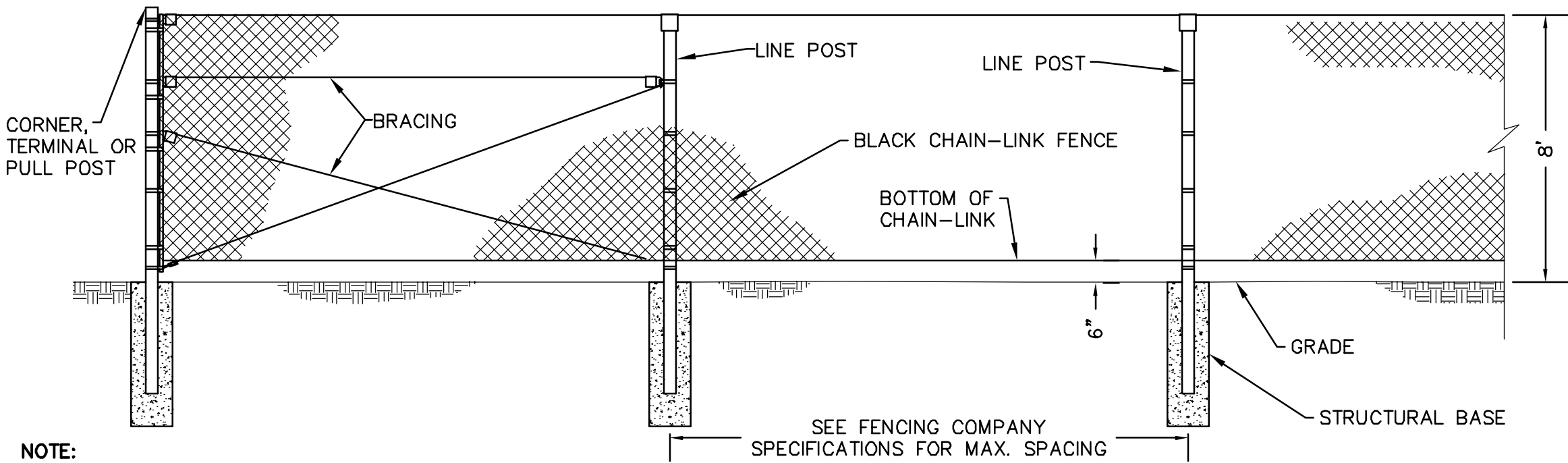


NOTE:

- ROCK CONSTRUCTION ENTRANCE SHOULD BE A MINIMUM THICKNESS OF 6" AND CONTAIN MAXIMUM SIDE SLOPES OF 4:1. ROCK ENTRANCE SHOULD BE INSPECTED AND MAINTAINED REGULARLY. ROCK ENTRANCE LENGTH MAY NEED TO BE EXTENDED IN CLAY SOILS.

ROCK CONSTRUCTION ENTRANCE

Westwood	ROCK CONSTRUCTION ENTRANCE	LAST REVISED: 02/02/15 GD05
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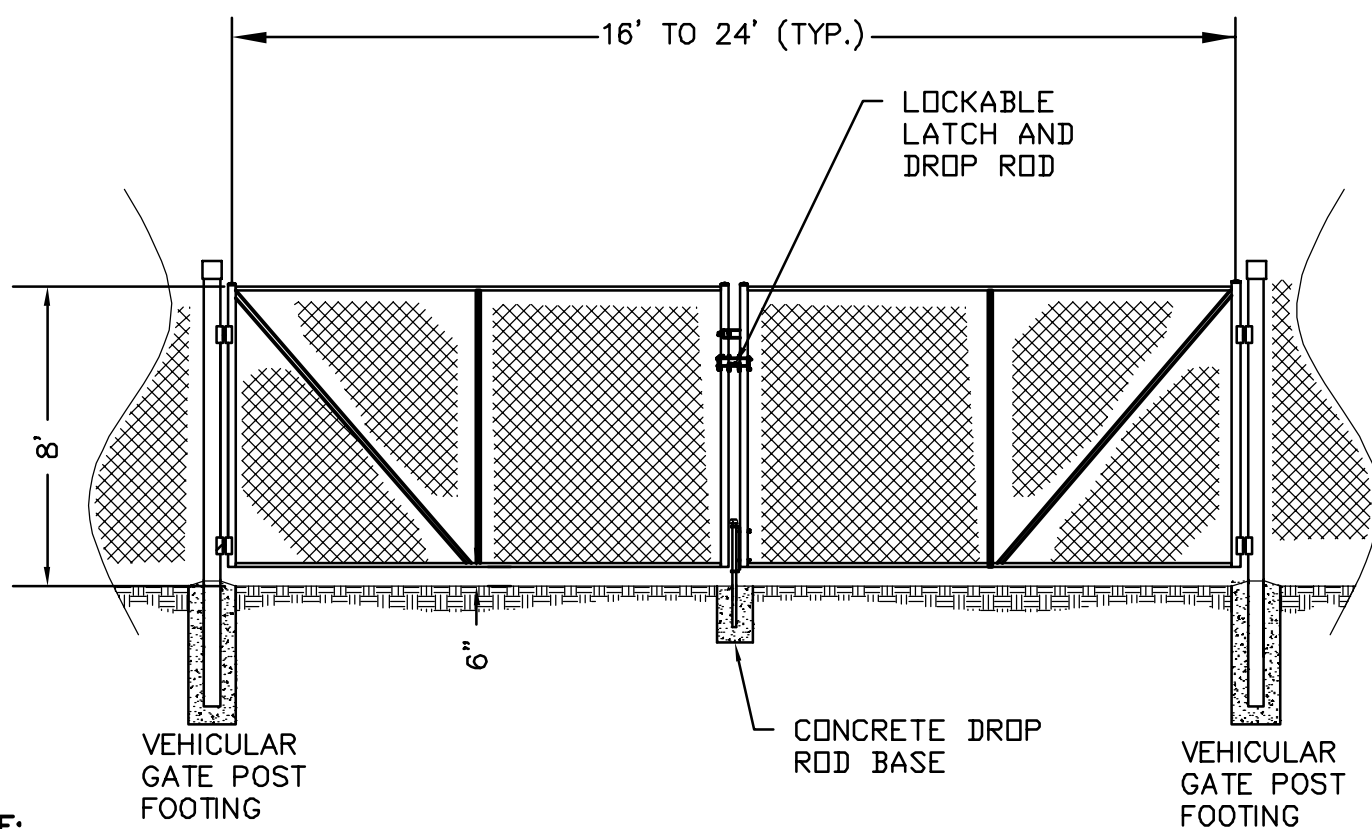


- NOTE:**
- FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION
 - STRUCTURAL DESIGN TO BE PROVIDED BY FENCE SUPPLIER
 - DIMENSIONS AND INFORMATION SHOWN ABOVE ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY MANUFACTURER/SUPPLIER
 - FENCING TO BE USED SHALL BE BLACK VINYL CHAIN LINK
 - FENCE TO BE INSTALLED 6" ABOVE GRADE TO ALLOW FOR SMALL ANIMAL ACCESS.
 - DETAIL DEPICTS SITE PERIMETER FENCING. COLLECTOR SUBSTATION FENCING TO CONSIST OF 7' HIGH CHAIN LINK FENCE WITH 1' HIGH BARBED WIRE PER ELECTRICAL CODE.

CHAIN-LINK SECURITY FENCE DETAIL

(NOT TO SCALE)

Westwood	CHAIN-LINK SECURITY FENCE DETAIL	LAST REVISED: 08/04/15 FN01
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NOTE:

- FENCE AND GATE TYPE TO BE APPROVED BY OWNER PRIOR TO CONSTRUCTION
- STRUCTURAL DESIGN TO BE PROVIDED BY FENCE SUPPLIER
- DIMENSIONS AND INFORMATION SHOWN ABOVE ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY MANUFACTURER/SUPPLIER
- A KNOX PAD LOCK OR EQUIVALENT WILL BE PLACED ON CHAINED GATES OR KNOX BOX WITH GATE ACCESS KEYS OR EQUIVALENT WILL BE MOUNTED AT THE MAIN ENTRANCE FOR FIRE DEPARTMENT ACCESS.

CHAIN-LINK SECURITY SWING GATE

Westwood	CHAIN-LINK SECURITY SWING GATE	LAST REVISED: 08/04/15 FN05
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Designed: BTB

Checked: ADC

Drawn: BTB

Record Drawing by/date:

Revisions
DATE DESCRIPTION

Prepared for:

LI SOLAR
GENERATION, LLC

700 UNIVERSE BOULEVARD,
JUNO BEACH, FL

PLANNING BOARD CERTIFICATION

This is to certify that this site plan has been approved by the
Planning Board of the town of Riverhead by Planning Board Resolution
number _____ dated _____ Signature by Planning Board
Chairperson _____ Date of signature _____

Calverton Solar
Energy Center

Suffolk County, NY

Construction Details

Issued For Review
Not For Construction

Date: 01/10/2019

Drawing No: C.400

1. FIBER ROLLS SHALL BE INSTALLED PRIOR TO UPSLOPE DISTURBANCE ACTIVITIES COMMENCE.
2. FIBER ROLLS SHALL BE PREFABRICATED AND MADE FROM WOOD FREE RICE HULLS OR PINE, A FAMILY AGRICULTURAL MATERIAL BOUND INTO A TIGHT TUBULAR ROLL BY NETTING. USE A 6" [152mm] OR 12" [305mm] DIA. ROLL. TRENCHES SHALL BE CREATED ALONG THE SLOPE OF THE PERIMETER. THE TRENCH DEPTH SHOULD BE 1/4 TO 1/3 OF THE THICKNESS OF THE ROLL, AND THE WIDTH SHOULD EQUAL THE ROLL DIAMETER, IN ORDER TO PROVIDE AREA FOR THE ROLL TO BE PLACED IN THE TRENCH.
3. STAKE FIBER ROLLS INTO THE TRENCH. DRIVE STAKES AT THE END OF EACH FIBER ROLL AND SPACED 4 FEET [1.219m] MAXIMUM ON CENTER. USE WOOD STAKES WITH NOMINAL CLASSIFICATION OF 0.75 IN. [19mm] BY 0.75 IN. [19mm] AND A MINIMUM LENGTH OF 24 IN. [610mm].
4. ROLLS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, AND TO THE GRADE, TO SLOPE COURSE.
5. TURN THE ENDS OF THE FIBER ROLLS UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL. THE UPSLOPE POINT SHOULD BE A MINIMUM 6" HIGHER IN ELEVATION THAN THE LOW POINT.
6. IF MORE THAN ONE FIBER ROLL IS USED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED A MINIMUM OF 6 INCHES [152mm], NOT ABUTTED.
7. FIBER ROLLS ENCASED WITH PLASTIC NETTING ARE USED FOR A TEMPORARY APPLICATION ONLY AND SHOULD BE REMOVED FOLLOWING STABILIZATION. FIBER ROLLS USED IN A PERMANENT APPLICATION SHALL BE ENCASED WITH A BIODEGRADABLE NETTING.
8. TEMPORARY INSTALLATIONS SHOULD ONLY BE REMOVED WHEN GRADIENT AREAS ARE STABILIZED PER GENERAL PERMIT REQUIREMENTS, AND/OR POLLUTANT SOURCES NO LONGER PRESENT A HAZARD, BUT, THEY SHOULD NOT BE REMOVED BEFORE VEGETATION BECOMES TOO MATURE SO THAT THE REMOVAL PROCESS DOES NOT DISTURB MORE SOIL AND VEGETATION THAN IS NECESSARY.
9. FIBER ROLLS MUST BE INSPECTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS FOR THE ASSOCIATED PROJECT TYPE AND RISK LEVEL. IT IS REQUIRED THAT A VISUAL INSPECTION BE EXPECTED WEEKLY, PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AND AFTER THE CONCLUSION OF RAIN EVENTS.

