

SITE DATA

SYSTEM PRODUCTION SUMMARY

40 Nys Route 197

PLANT PEAK PRODUCTION (AC): 4.11 MW

PLANT PEAK PRODUCTION (DC): 3.00 MW

DC/AC POWER RATIO: 1.37

INTERCONNECTING UTILITY INFORMATION

UTILITY: NATIONAL GRID
SUBSTATION: BUTLER TB 1
CIRCUIT #: 36_38_36253
LINE VOLTAGE: 13.2 kV

EQUIPMENT SUMMARY

SOLAR PV MODULE

MANUFACTURER: JINKO SOLAR
MODEL: JKM600N-78HL4-BDV
L MAX DC POWER: 600 W

NOMINAL MAX DC POWER: 600 W
VOLTAGE (STC), VOE, VMPP: 55.03 V, 45.25 V
CURRENT (STC), ISC, IMPP: 13.87 A, 13.26 A
RACKING: SINGLE AXIS TRACKER
TILT ANGLE: 4'-60'

TILT ANGLE: +/-60°
SYSTEM HEIGHT: TBD
STRING SIZE (TYPICAL): TBD

TOTAL PV MODULE QUANTITY: 6,864

SOLAR INVERTER

MANUFACTURER: CHINT POWER SYSTEMS
MODEL: CPS SCH275KTL

NOMINAL MAX. AC POWER: 250 kW/ 250 kVA NOMINAL AC VOLTAGE: 800 V MAX AC CURRENT: 198.5 A

TOTAL INVERTER QUANTITY: 12

GENERATOR STEP-UP TRANSFORMER

MANUFACTURER: TBD MODEL: TBD

TRANSFORMER SIZE: 2 x 1.5MVA
HIGH SIDE: 13,2kV GROUNDED WYE

SIDE: 800V, WYE

TOTAL TRANSFORMER QUANTITY: 2

GENERAL NOTES:

- A. TECHNICAL DETAILS RELATED TO SOLAR PANELS, INVERTERS AND RACKING SYSTEMS IDENTIFIED ABOVE WILL CHANGE BECAUSE OF EVOLVING TECHNOLOGY AND AVAILABILITY AT THE TIME OF DETAILED DESIGN AND CONSTRUCTION. THE DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS.
- B. APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER BOX LOCATIONS NOT SHOWN.
- C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25'-0" APART
- D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D).

SYMBOL LIST

EXISTING DISTRIBUTION CIRCUIT

NEW OVERHEAD DISTRIBUTION CIRCUIT

NEW OVERHEAD LINE

EXISTING POLE TO REMAIN

NEW POLE/EXISTING POLE TO BE REPLACED

PROPERTY LINE

NATURAL VEGETATION BARRIER MAINTAINED

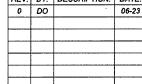
FENCE

SETBACK - HIGH VOLTAGE(CORRIDOR)

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ROAD

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DRAWING TITLE:		SHEET NUMBER:			
Site Plan - SPNNY 068 - 40	Nys Route 197		S-1		
PROJECT ADDRESS: 40 Nys Route 197, Fort	Edward, NY	DRAWN BY:	CHECKED E	BY:	
SITE COORDINATES: 43.261097, -73.573	8075	SCALE:		DATE: 06-23	



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 DRAWING TITLE:
 SHEET NUMBER:

 Site Plan - SPNNY 068 - 40 Nys Route 197
 S-1

 PROJECT ADDRESS:
 DRAWN BY:
 DO
 CHECKED BY:

 40 Nys Route 197, Fort Edward, NY
 DO
 LJ

 SITE COORDINATES:
 43.261097, -73.573075
 DATE:
 06-23

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40 Nys Route 197

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DC/AC POWER RATIO: 1.37

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UTILITY: NATIONAL GRID

SUBSTATION: BUTLER TB 1

CIRCUIT #: 36_38_36253

LINE VOLTAGE: 13.2 kV

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SOLAR PV MODULE

MANUFACTURER: JINKO SOLAR
MODEL: JKM600N-78HL4-BDV
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VOLTAGE (STC), VOE, VMPP: 55.03 V, 45.25 V
CURRENT (STC), ISC, IMPP: 13.87 A, 13.26 A

SITE DATA
SYSTEM PRODUCTION SUMMARY

JRRENT (STC), ISC, IMPP: 13.87 Å, 13.26 Å
RACKING: SINGLE AXIS TRACKER
TILT ANGLE: 4-60'
SYSTEM HEIGHT: TBD
STRING SIZE (TYPICAL): TBD

TOTAL PV MODULE QUANTITY: 6,864

SOLAR INVERTER

MANUFACTURER: CHINT POWER SYSTEMS
MODEL: CPS SCH275KTL

NOMINAL MAX. AC POWER: 250 kW/ 250 kVA

NOMINAL AC VOLTAGE: 800 V

MAX AC CURRENT: 198.5 A

TOTAL INVERTER QUANTITY: 12

GENERATOR STEP-UP TRANSFORMER

MANUFACTURER: TBD
MODEL: TBD
TRANSFORMER SIZE: 2 x 1.5MVA
HIGH SIDE: 13.2kV GROUNDED WYE

LOW SIDE: 800V, WYE

TOTAL TRANSFORMER QUANTITY: 2

GENERAL NOTES:

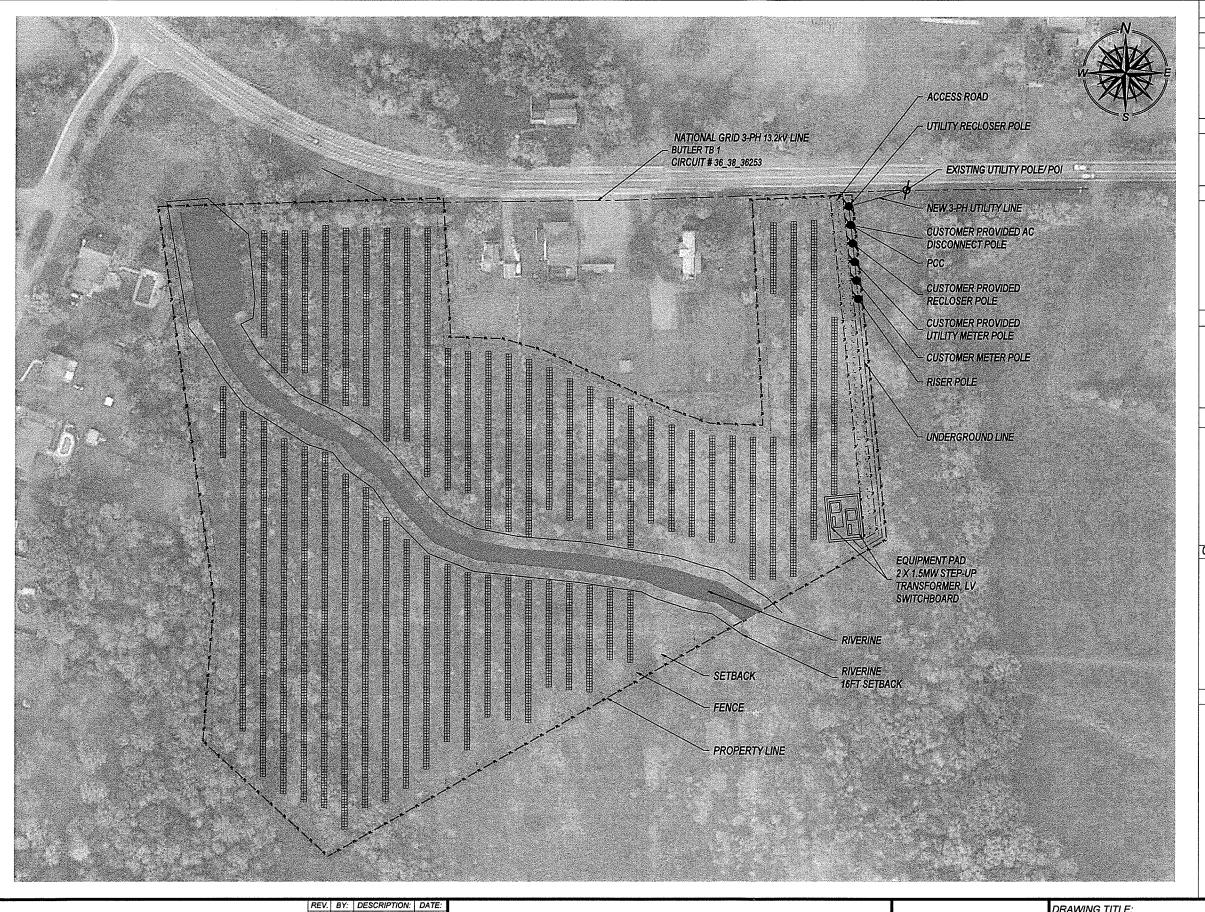
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- B. APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER BOX LOCATIONS NOT SHOWN.
- C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25:-0" APART
- D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D).

SYMBOL LIST			
	EXISTING DISTRIBUTION CIRCUIT		
	NEW OVERHEAD DISTRIBUTION CIRCUIT		
	NEW OVERHEAD LINE		
	EXISTING POLE TO REMAIN		
	NEW POLE/ EXISTING POLE TO BE REPLACED		
	PROPERTY LINE		
	NATURAL VEGETATION BARRIER MAINTAINED		
	FENCE		
and the second of the second o	SETBACK		
	SETBACK - HIGH VOLTAGE(CORRIDOR)		

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06-23



PLANT PEAK PRODUCTION (AC): 4.11 MW PLANT PEAK PRODUCTION (DC): 3.00 MW DC/AC POWER RATIO: 1.37 INTERCONNECTING UTILITY INFORMATION LINE VOLTAGE: 13.2 kV SOLAR PV MODULE MANUFACTURER: NOMINAL MAX DC POWER: VOLTAGE (STC), VOE, VMPP: CURRENT (STC), ISC, IMPP: SYSTEM HEIGHT: STRING SIZE (TYPICAL): TOTAL PV MODULE QUANTITY: 6,864 SOLAR INVERTER MANUFACTURER: NOMINAL MAX. AC POWER: NOMINAL AC VOLTAGE: MAX AC CURRENT: TOTAL INVERTER QUANTITY: 12 GENERATOR STEP-UP TRANSFORMER MANUFACTURER: TRANSFORMER SIZE: TOTAL TRANSFORMER QUANTITY: GENERAL NOTES: BOX LOCATIONS NOT SHOWN.

EXISTING DISTRIBUTION CIRCUIT NEW OVERHEAD DISTRIBUTION CIRCUIT NEW OVERHEAD LINE EXISTING POLE TO REMAIN NEW POLE/ EXISTING POLE TO BE REPLACED PROPERTY LINE NATURAL VEGETATION BARRIER MAINTAINED **FENCE** SETBACK

SETBACK - HIGH VOLTAGE(CORRIDOR)

RARARARA

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DRAWING TITLE:	SHEET NUMBER: S-1		
Site Plan - SPNNY 068 - 40 Nys Route 197			
PROJECT ADDRESS: 40 Nys Route 197, Fort Edward, NY	DRAWN BY:	CHECKED BY:	
SITE COORDINATES: 43.26109773.573075	SCALE:	DATE: 06-23	

A. TECHNICAL DETAILS RELATED TO SOLAR PANELS, INVERTERS AND RACKING SYSTEMS IDENTIFIED ABOVE WILL CHANGE BECAUSE OF EVOLVING TECHNOLOGY AND AVAILABILITY AT THE TIME OF DETAILED DESIGN AND CONSTRUCTION. THE DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS.

SITE DATA SYSTEM PRODUCTION SUMMARY 40 Nys Route 197

UTILITY:

CIRCUIT #: 36_38_36253

EQUIPMENT SUMMARY

SUBSTATION:

RACKING:

MODEL:

MODEL:

LOW SIDE:

TILT ANGLE:

NATIONAL GRID

BUTLER TB 1

JINKO SOLAR JKM600N-78HL4-BDV

55.03 V, 45.25 V 13.87 A, 13.26 A

SINGLE AXIS TRACKER

CHINT POWER SYSTEMS

13.2kV GROUNDED WYE

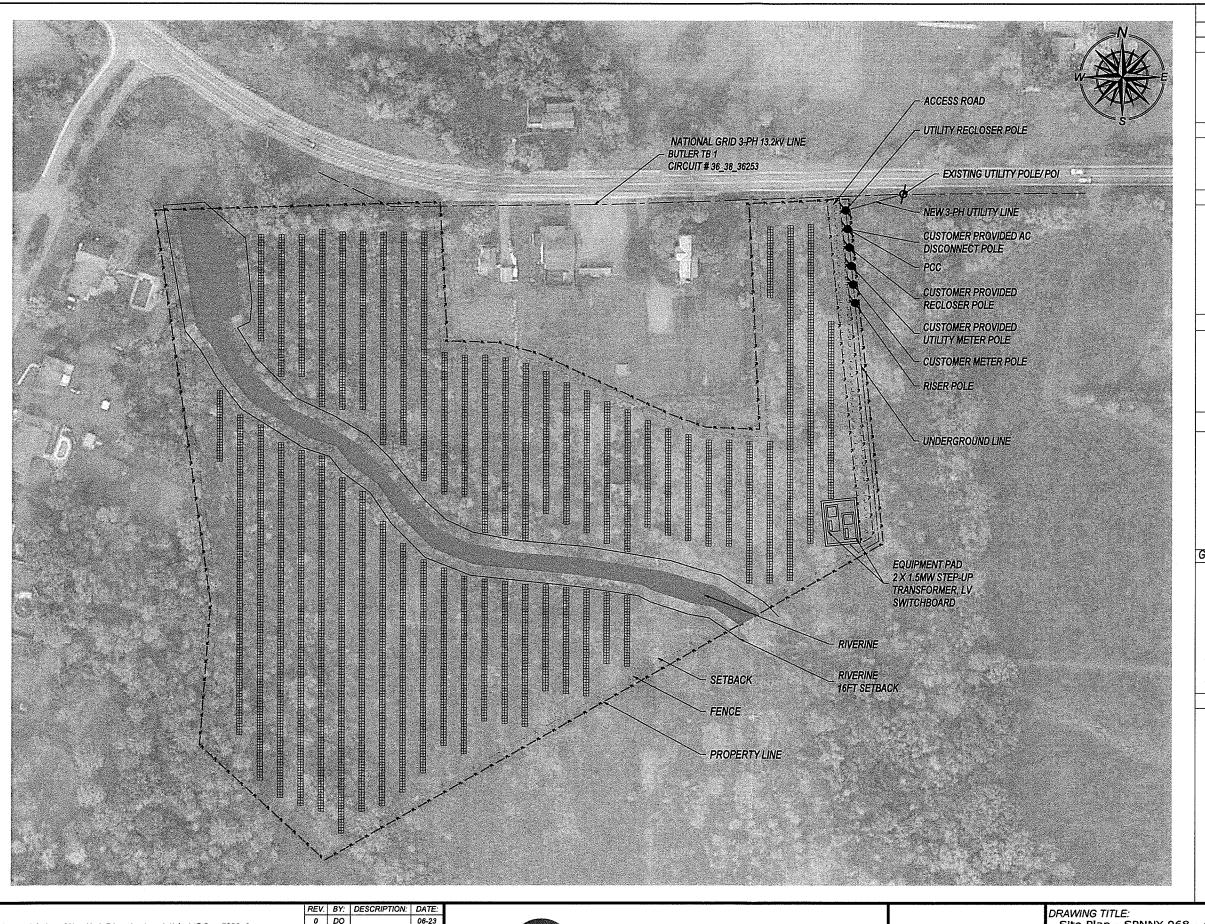
CPS SCH275KTL

250 kW/ 250 kVA

600 W

- B. APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER
- C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25'-0" APART
- D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D).

SYMBOL LIST



PLANT PEAK PRODUCTION (AC): 4.11 MW PLANT PEAK PRODUCTION (DC): 3.00 MW DC/AC POWER RATIO: 1.37 INTERCONNECTING UTILITY INFORMATION LINE VOLTAGE: 13.2 kV SOLAR PV MODULE MANUFACTURER: NOMINAL MAX DC POWER: VOLTAGE (STC), VOE, VMPP: CURRENT (STC), ISC, IMPP: SYSTEM HEIGHT: STRING SIZE (TYPICAL): TOTAL PV MODULE QUANTITY: 6,864 SOLAR INVERTER MANUFACTURER: NOMINAL MAX. AC POWER: NOMINAL AC VOLTAGE: MAX AC CURRENT: TOTAL INVERTER QUANTITY: 12 GENERATOR STEP-UP TRANSFORMER MANUFACTURER: MODEL: TRANSFORMER SIZE: TOTAL TRANSFORMER QUANTITY: GENERAL NOTES:

A. TECHNICAL DETAILS RELATED TO SOLAR PANELS, INVERTERS AND RACKING SYSTEMS IDENTIFIED ABOVE WILL CHANGE BECAUSE OF EVOLVING TECHNOLOGY AND AVAILABILITY AT THE TIME OF DETAILED DESIGN AND CONSTRUCTION. THE DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS.

SITE DATA SYSTEM PRODUCTION SUMMARY 40 Nys Route 197

UTILITY:

CIRCUIT #: 36_38_36253

EQUIPMENT SUMMARY

SUBSTATION:

RACKING:

MODEL:

TILT ANGLE:

NATIONAL GRID

JINKO SOLAR JKM600N-78HL4-BDV

SINGLE AXIS TRACKER

CHINT POWER SYSTEMS

CPS SCH275KTL

250 kW/ 250 kVA

198.5 A

2 x 1.5MVA 13.2kV GROUNDED WYE 800V, WYE

55.03 V, 45.25 V 13.87 A, 13.26 A

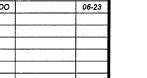
600 W

BUTLER TB 1

- APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER BOX LOCATIONS NOT SHOWN.
- C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25'-0" APART
- D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D).

SYMBOL LIST EXISTING DISTRIBUTION CIRCUIT NEW OVERHEAD DISTRIBUTION CIRCUIT NEW OVERHEAD LINE EXISTING POLE TO REMAIN NEW POLE/ EXISTING POLE TO BE REPLACED NATURAL VEGETATION BARRIER MAINTAINED SETBACK SETBACK - HIGH VOLTAGE(CORRIDOR) ROAD

It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration



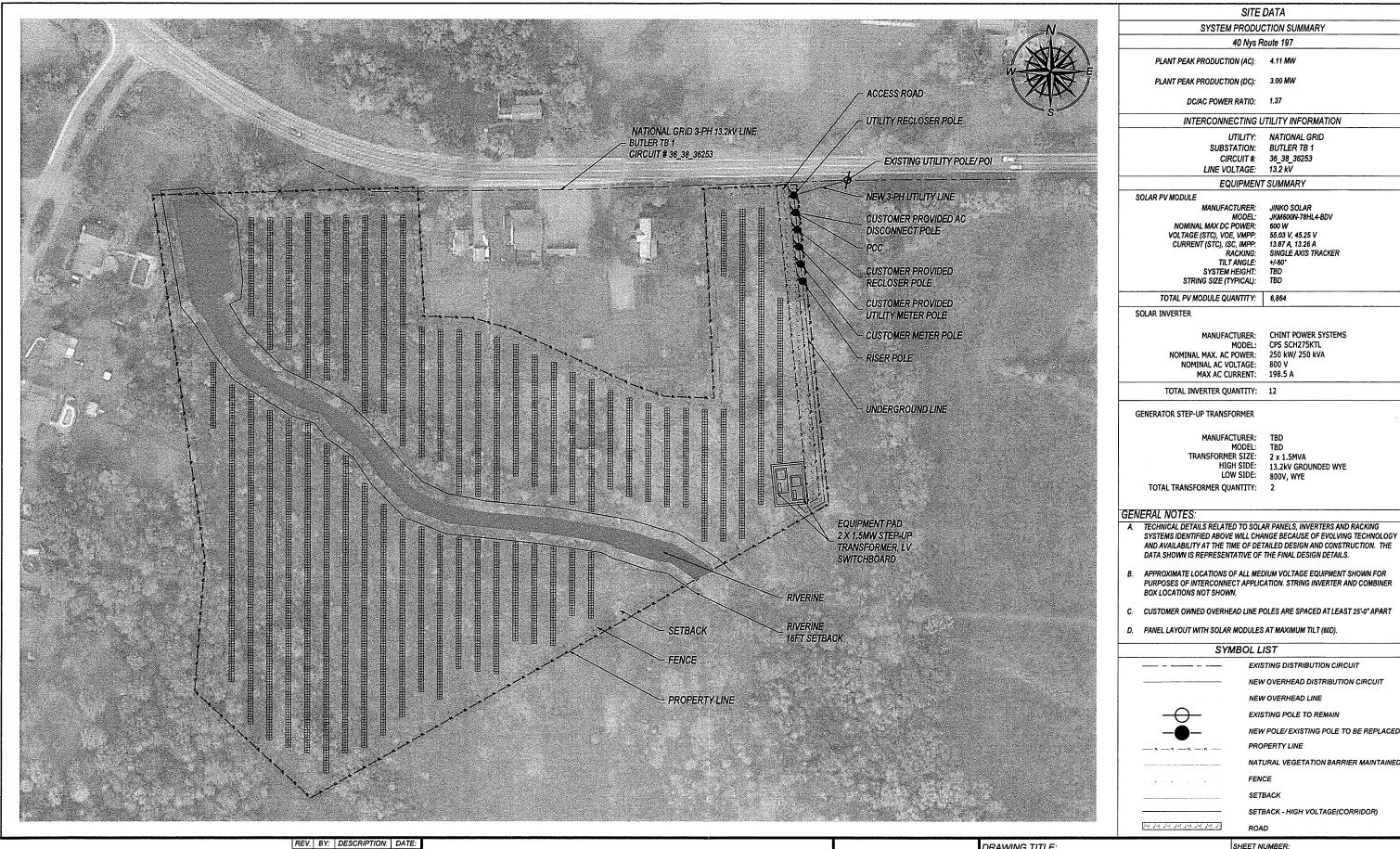


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PROJECT ADDRESS:

SHEET NUMBER Site Plan - SPNNY 068 - 40 Nys Route 197 S-1 CHECKED BY: IJ 40 Nys Route 197, Fort Edward, NY DATE: SCALE: SITE COORDINATES: 06-23 43.261097, -73.573075



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	<u>EBERBBER</u>	ROAD		
<i>DRAWING TITLE:</i> Site Plan - SPNNY 068	- 40 Nys Route 197	SHEET NUMBER:	S-1	
PROJECT ADDRESS: 40 Nys Route 197,	Fort Edward, NY	DRAWN BY:	CHECKED BY:)
SITE COORDINATES: 43.261097, -7	73.573075	SCALE:	DATE:	5-23

D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D). SYMBOL LIST

APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER

SITE DATA SYSTEM PRODUCTION SUMMARY 40 Nys Route 197

INTERCONNECTING UTILITY INFORMATION

SUBSTATION: BUTLER TB 1

LINE VOLTAGE: 13.2 kV **EQUIPMENT SUMMARY**

CIRCUIT #: 36_38_36253

UTILITY: NATIONAL GRID

JINKO SOLAR

55.03 V, 45.25 V 13.87 A, 13.26 A

+/-60° TBD TBD

JKM600N-78HL4-BDV

SINGLE AXIS TRACKER

CHINT POWER SYSTEMS

13.2kV GROUNDED WYE

800V, WYE

CPS SCH275KTL

250 kW/ 250 kVA

198.5 A

PLANT PEAK PRODUCTION (AC): 4.11 MW PLANT PEAK PRODUCTION (DC): 3.00 MW

SOLAR PV MODULE

SOLAR INVERTER

DC/AC POWER RATIO: 1.37

MANUFACTURER:

RACKING:

TILT ANGLE:

SYSTEM HEIGHT: STRING SIZE (TYPICAL):

> MANUFACTURER: MODEL:

TOTAL PV MODULE QUANTITY: 6,864

NOMINAL MAX. AC POWER:

GENERATOR STEP-UP TRANSFORMER

TOTAL TRANSFORMER QUANTITY:

BOX LOCATIONS NOT SHOWN.

NOMINAL AC VOLTAGE: MAX AC CURRENT:

TOTAL INVERTER QUANTITY: 12

MANUFACTURER: MODEL: TRANSFORMER SIZE:

LOW SIDE:

DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS.

MODEL: NOMINAL MAX DC POWER: VOLTAGE (STC), VOE, VMPP: CURRENT (STC), ISC, IMPP:

EXISTING DISTRIBUTION CIRCUIT

NEW OVERHEAD DISTRIBUTION CIRCUIT

NEW OVERHEAD LINE

EXISTING POLE TO REMAIN

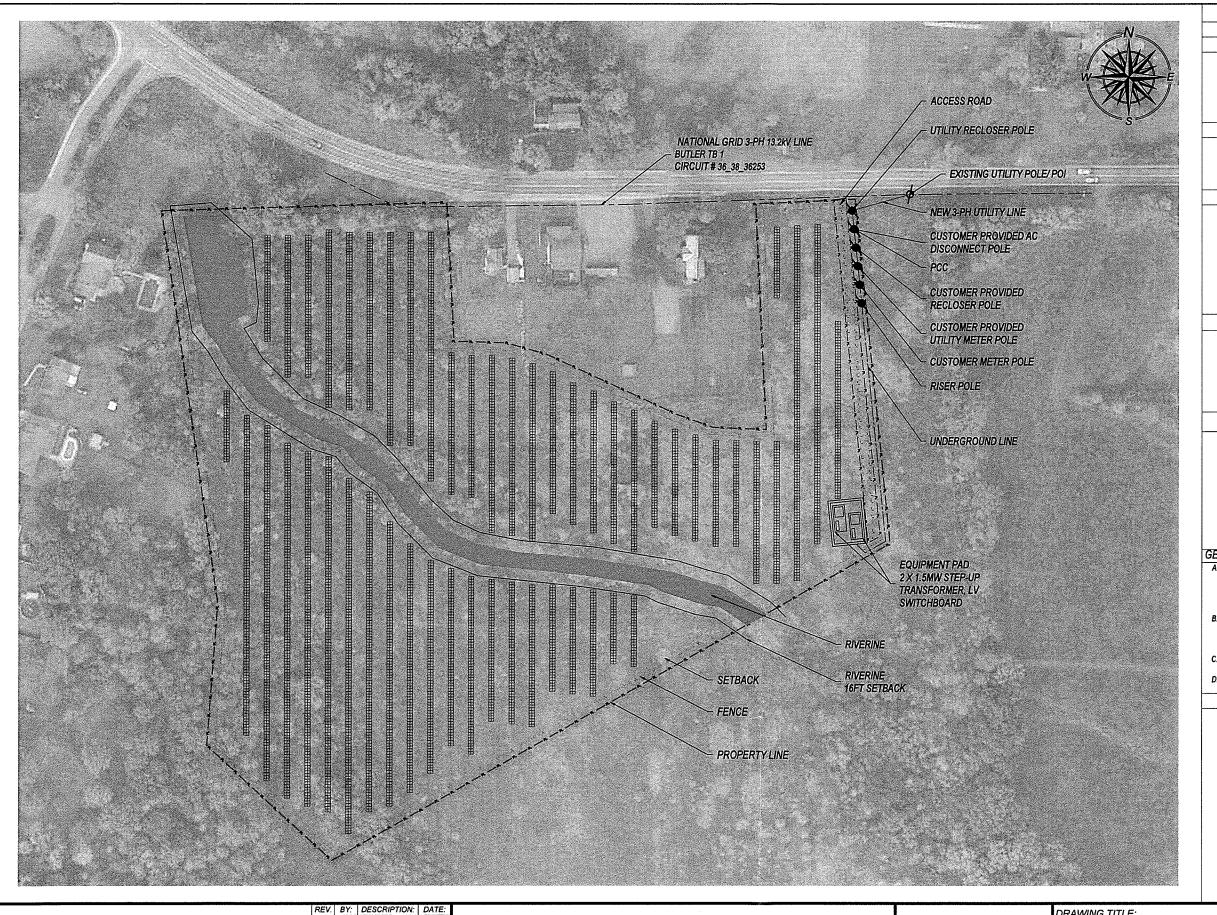
NEW POLE/EXISTING POLE TO BE REPLACED

PROPERTY LINE

NATURAL VEGETATION BARRIER MAINTAINED

SETBACK

SETBACK - HIGH VOLTAGE(CORRIDOR)



DC/AC POWER RATIO: 1.37 INTERCONNECTING UTILITY INFORMATION LINE VOLTAGE: 13.2 kV SOLAR PV MODULE MANUFACTURER: MODEL: NOMINAL MAX DC POWER: VOLTAGE (STC), VOE, VMPP: CURRENT (STC), ISC, IMPP: SYSTEM HEIGHT: STRING SIZE (TYPICAL): TOTAL PV MODULE QUANTITY: 6,864 SOLAR INVERTER MANUFACTURER: NOMINAL MAX. AC POWER: NOMINAL AC VOLTAGE: MAX AC CURRENT: TOTAL INVERTER QUANTITY: 12 GENERATOR STEP-UP TRANSFORMER MANUFACTURER: MODEL: TRANSFORMER SIZE: TOTAL TRANSFORMER QUANTITY: GENERAL NOTES: A. TECHNICAL DETAILS RELATED TO SOLAR PANELS, INVERTERS AND RACKING SYSTEMS IDENTIFIED ABOVE WILL CHANGE BECAUSE OF EVOLVING TECHNOLOGY AND AVAILABILITY AT THE TIME OF DETAILED DESIGN AND CONSTRUCTION. THE DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS. APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER BOX LOCATIONS NOT SHOWN.

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ROAD SHEET NUMBER: Site Plan - SPNNY 068 - 40 Nys Route 197 S-1 CHECKED BY: PROJECT ADDRESS: L 40 Nys Route 197, Fort Edward, NY DATE: SCALE: SITE COORDINATES: 06-23 43.261097, -73.573075

C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25'-0" APART

SITE DATA SYSTEM PRODUCTION SUMMARY 40 Nys Route 197

UTILITY: NATIONAL GRID

JINKO SOLAR

600 W 55.03 V, 45.25 V

13.87 A, 13.26 A SINGLE AXIS TRACKER

JKM600N-78HL4-BDV

CHINT POWER SYSTEMS

13.2kV GROUNDED WYE

EXISTING DISTRIBUTION CIRCUIT NEW OVERHEAD DISTRIBUTION CIRCUIT

NEW OVERHEAD LINE

PROPERTY LINE

SETBACK

EXISTING POLE TO REMAIN

NEW POLE/EXISTING POLE TO BE REPLACED

NATURAL VEGETATION BARRIER MAINTAINED

SETBACK - HIGH VOLTAGE(CORRIDOR)

800V, WYE

CPS SCH275KTL

250 kW/ 250 kVA

SUBSTATION: BUTLER TB 1

CIRCUIT#: 36_38_36253

EQUIPMENT SUMMARY

TILT ANGLE:

MODEL:

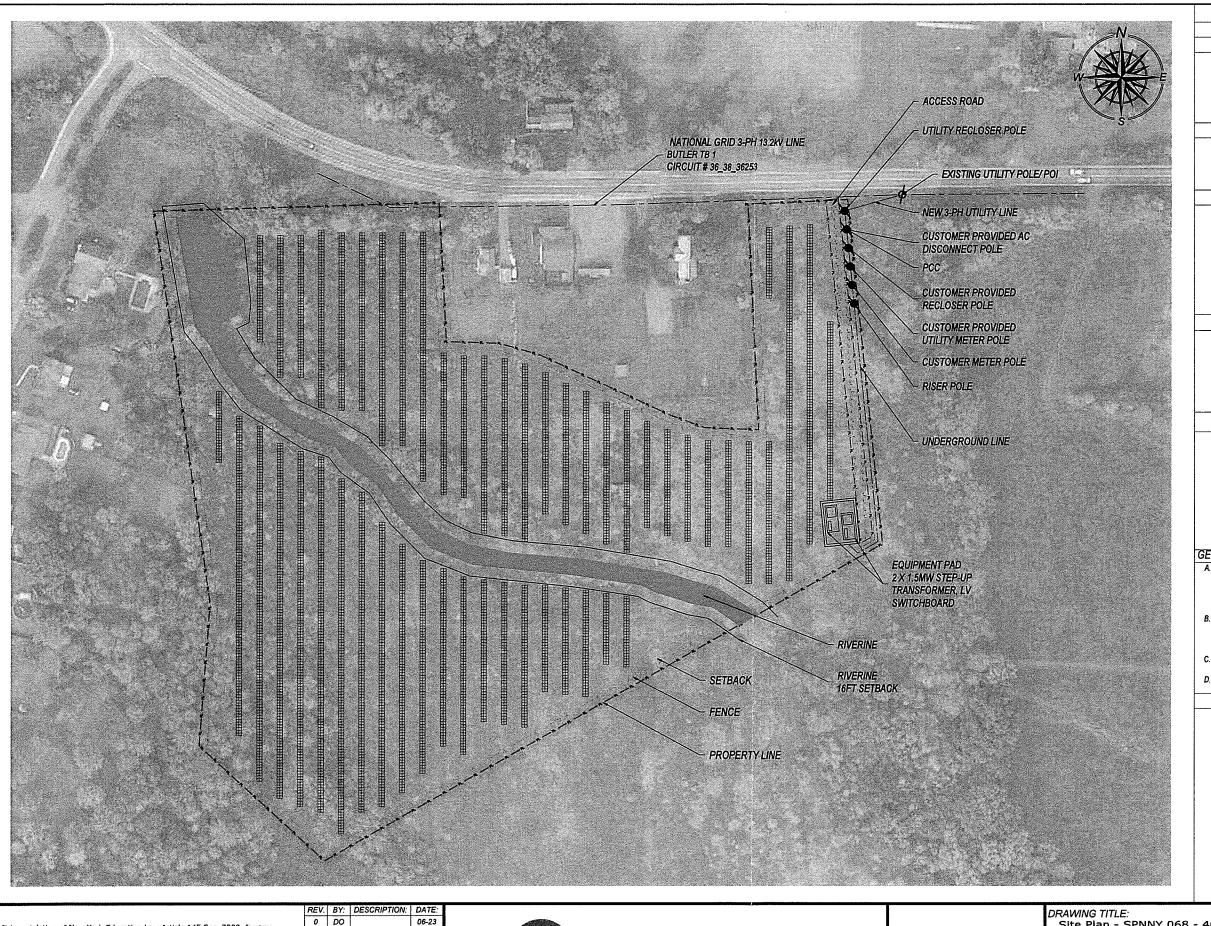
LOW SIDE:

PLANT PEAK PRODUCTION (AC): 4.11 MW

PLANT PEAK PRODUCTION (DC):

SYMBOL LIST

PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D).



DC/AC POWER RATIO: 1.37 INTERCONNECTING UTILITY INFORMATION UTILITY: NATIONAL GRID SUBSTATION: CIRCUIT #: LINE VOLTAGE: 13.2 kV EQUIPMENT SUMMARY SOLAR PV MODULE MANUFACTURER: NOMINAL MAX DC POWER: VOLTAGE (STC), VOE, VMPP: CURRENT (STC), ISC, IMPP: RACKING: TILT ANGLE: SYSTEM HEIGHT: STRING SIZE (TYPICAL): TOTAL PV MODULE QUANTITY: 6,864 SOLAR INVERTER MANUFACTURER: MODEL: NOMINAL MAX. AC POWER: NOMINAL AC VOLTAGE: MAX AC CURRENT: TOTAL INVERTER QUANTITY: 12 GENERATOR STEP-UP TRANSFORMER MANUFACTURER: MODEL: TRANSFORMER SIZE: LOW SIDE: TOTAL TRANSFORMER QUANTITY: GENERAL NOTES: A. TECHNICAL DETAILS RELATED TO SOLAR PANELS, INVERTERS AND RACKING SYSTEMS IDENTIFIED ABOVE WILL CHANGE BECAUSE OF EVOLVING TECHNOLOGY AND AVAILABILITY AT THE TIME OF DETAILED DESIGN AND CONSTRUCTION. THE DATA SHOWN IS REPRESENTATIVE OF THE FINAL DESIGN DETAILS. APPROXIMATE LOCATIONS OF ALL MEDIUM VOLTAGE EQUIPMENT SHOWN FOR PURPOSES OF INTERCONNECT APPLICATION. STRING INVERTER AND COMBINER BOX LOCATIONS NOT SHOWN. C. CUSTOMER OWNED OVERHEAD LINE POLES ARE SPACED AT LEAST 25'-0" APART D. PANEL LAYOUT WITH SOLAR MODULES AT MAXIMUM TILT (60D). SYMBOL LIST EXISTING DISTRIBUTION CIRCUIT NEW OVERHEAD DISTRIBUTION CIRCUIT

SITE DATA SYSTEM PRODUCTION SUMMARY 40 Nys Route 197

BUTLER TB 1

36_38_36253

JINKO SOLAR JKM600N-78HL4-BDV

55.03 V, 45.25 V 13.87 A, 13.26 A

SINGLE AXIS TRACKER

CHINT POWER SYSTEMS

CPS SCH275KTL

250 kW/ 250 kVA

600 W

+/-60* TBD TBD

198.5 A

2 x 1.5MVA 13.2kV GROUNDED WYE

800V, WYE

NEW OVERHEAD LINE

PROPERTY LINE

SETBACK

EXISTING POLE TO REMAIN

NEW POLE/ EXISTING POLE TO BE REPLACED

NATURAL VEGETATION BARRIER MAINTAINED

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PROJECT ADDRESS: 40 Nys Route 197, Fort E	DRAW	DO CHE	ECKED BY:
SITE COORDINATES: 43.261097, -73.5730	SCAL 075	E:	DATE: 06-23