

Symbol Legend

34.5KV STRUCTURE	JUNCTION BOX	(PCSXX.XX) PCS ID
20 STRUCTURE & ID	PAD MOUNTED SWITCHGEAR	

Plan View Legend (Collector System Feeders organized by color)

AERIAL	IN CONDUIT	IN TRENCH	
---	---	---	FEEDER 1 CABLES
---	---	---	FEEDER 2 CABLES
---	---	---	FEEDER 3 CABLES
---	---	---	FEEDER 4 CABLES
---	---	---	34.5KV BESS CABLES

PROFILE LINE LEGEND

---	795 ACSR 26/7 STRAND DRAKE
---	36 FIBRE AFL AC-20/47/607 OPGW
---	1/2-INCH 7-STRAND EHS
---	8IN PVC CONCRETE ENCASED CONDUIT
---	EXISTING/FINAL GRADE
---	EXISTING GRADE TO BE REMOVED
---	VERTICAL CLEARANCE LINE (21')

- Notes:
- POLE LOCATIONS ARE INDICATIVE ONLY AND BASED ON LIDAR DATA PROVIDED ON 05/18/2021 AND ESRI WMS IMAGES.
 - THE COORDINATE SYSTEM IS NAD83 (3103), NEW YORK WEST, US SURVEY FEET.
 - PHASE CONDUCTOR AND DOWNLEADS INCORPORATE A TWIN 795 KCMIL 26/7 STRAND DRAKE ACSR CONDUCTOR, 36 FIBRE ALUMACORE OPGW AND 1/2 INCH 7-STRAND EHS.
 - PHASE CONDUCTOR IS DISPLAYED AT EMERGENCY TEMPERATURE OF 212°F AND OPGW AND EHS AT 120°F.
 - GROUND CLEARANCE LINE IS SHOWN AT 21 FT ABOVE GROUND.
 - ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE STATED.
 - DESIGN TENSIONS:
795 ACSR 26/7 STRAND DRAKE
25% CREEP @ NESC TENSION LIMIT 261H1C

36 FIBRE AFL AC/20/47/607 AND 1/2 INCH 7 STRAND EHS
20% CREEP @ NESC TENSION LIMIT 250B HEAVY

SLACK SPAN 795 ACSR 26/7 STRAND DRAKE
2000 LBS INITIAL @ NESC 250B HEAVY

SLACK SPAN 36 FIBRE AFL AC/20/47/607 AND 1/2 INCH 7-STRAND EHS
1000 LBS INITIAL @ NESC 250B HEAVY
 - LOCATIONS 3 TO 67: TRIPLE CIRCUIT
POLE 1, 2, 3, AND 68 TO 122: SINGLE CIRCUIT

Rev	Date	Drawn	Description	Ch'k'd	App'd
D	01/18/2022	EHK	ISSUED FOR 94C	JS	RA
C	07/20/2021	JD	ISSUED FOR REVIEW	EHK	JS
B	07/02/2021	JD	ISSUED FOR REVIEW	EHK	JAB
A	01/29/2021	EHK	ISSUED FOR REVIEW	BG	JB

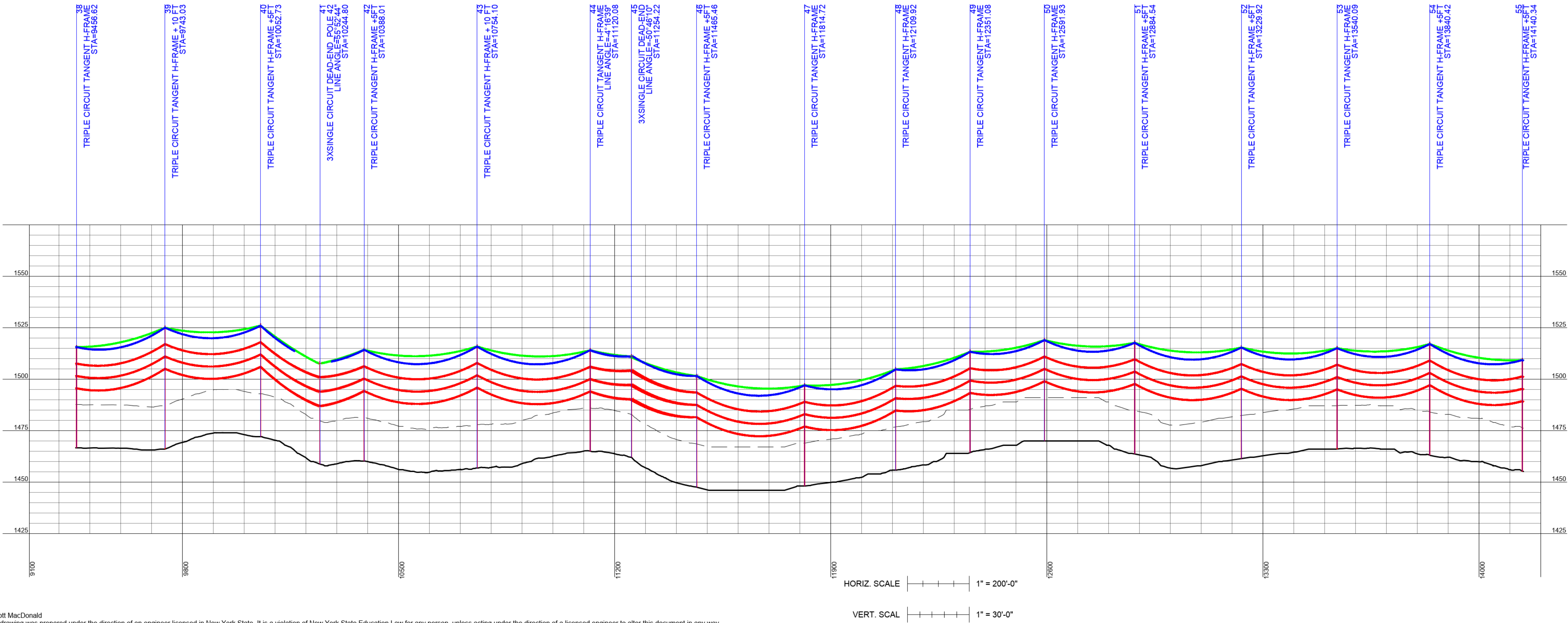
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Title

**SOUTH RIPLEY SOLAR
34.5KV COLLECTOR SYSTEM
PLAN AND PROFILE
SHEET 3**

PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION	Designed	JD	Eng check	EHK
	Drawn	JD	Approved	JS
	Scale at ANSI D As Noted	Date 01/18/2022	Rev D	
	Drawing Number	SRS-E-610-04		

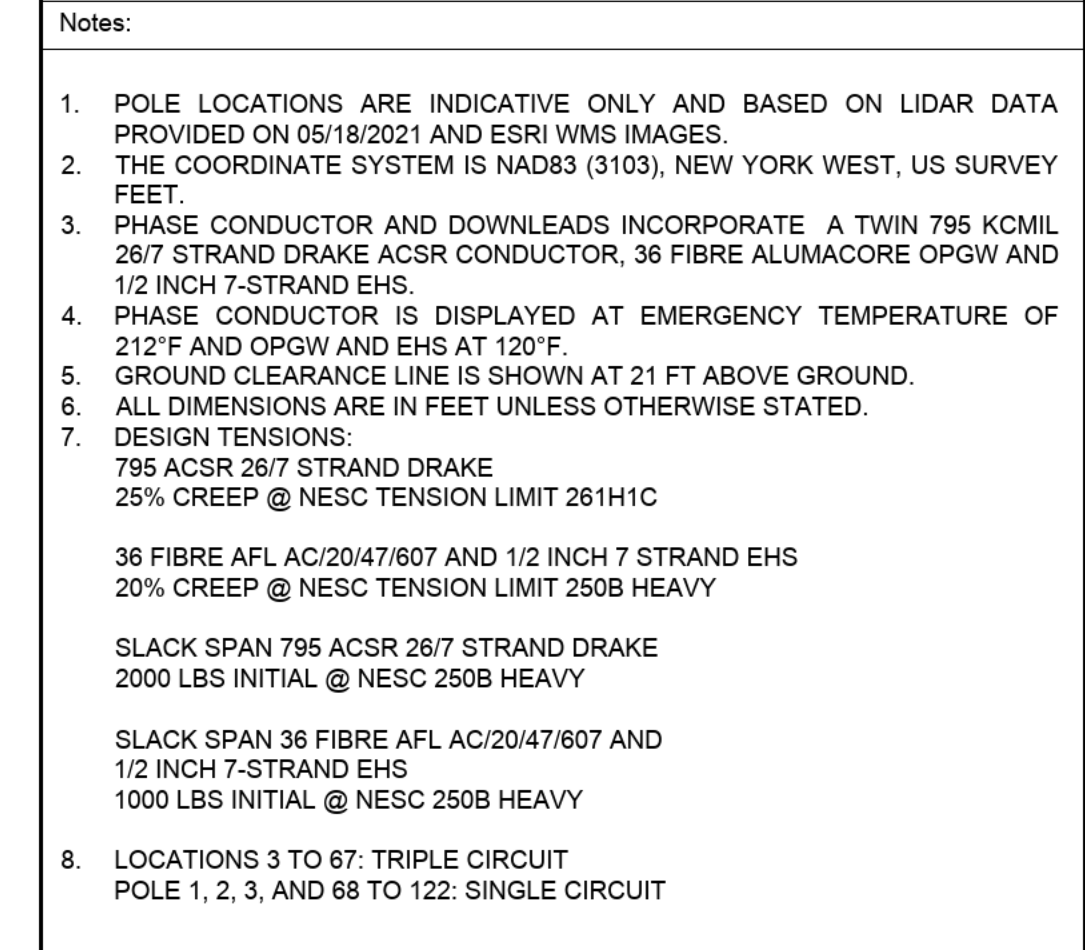
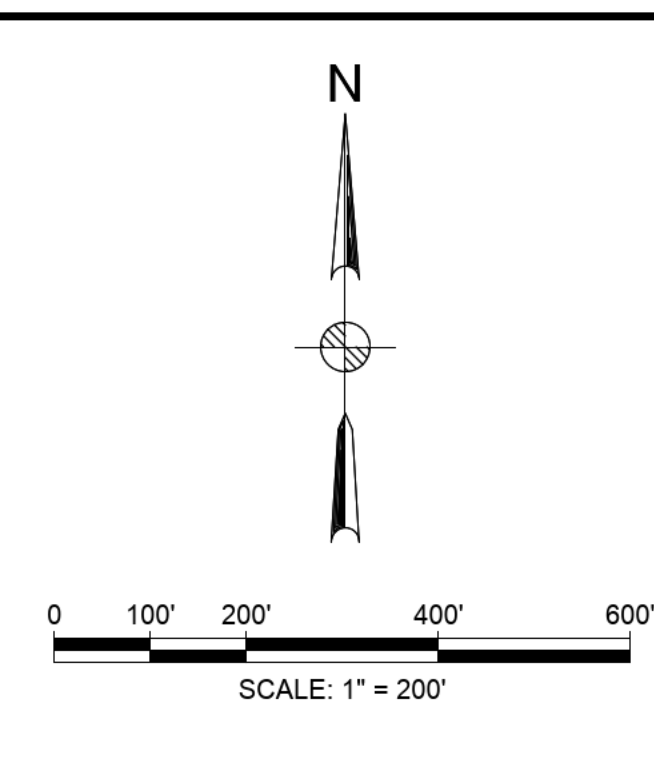


HORIZ. SCALE 1" = 200'-0"

VERT. SCAL 1" = 30'-0"

CONCEPTUAL - NOT FOR CONSTRUCTION

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South Ripley
SOLAR PROJECT

Title	South Ripley Solar 34.5KV COLLECTOR SYSTEM PLAN AND PROFILE Sheet 4
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<p>PRELIMINARY NOT FOR CONSTRUCTION</p> <p>REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION</p>	Designed	JD	Eng check	EHK
	Drawn	JD	Approved	JS
	Scale at ANSI D As Noted		Date 01/18/2022	Rev D
	Drawing Number SRS-E-610-05			