

Key Map

SRS-E-610-02_SUP_A

SRS-E-610-0207 SRS-E-610-09 SRS-E-610-06/08 SRS-E-610-04 SRS-E-610-05 SRS-E-610-10

Symbol Legend

34.5KV STRUCTURE
20 STRUCTURE ID
PAD-MOUNTED SWITCH LOCATION

Plan View Legend (Collector System Feeders organized by color)

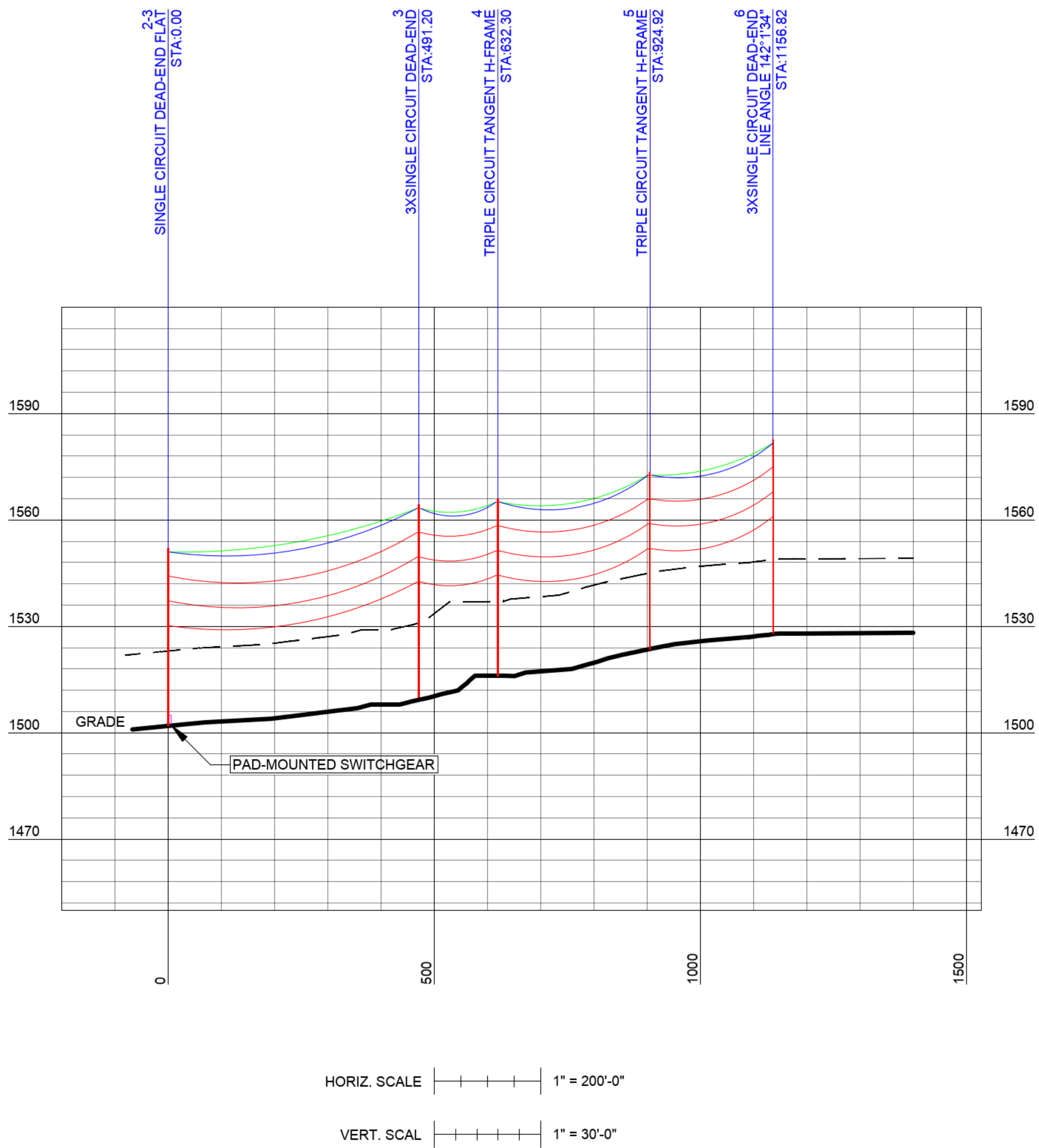
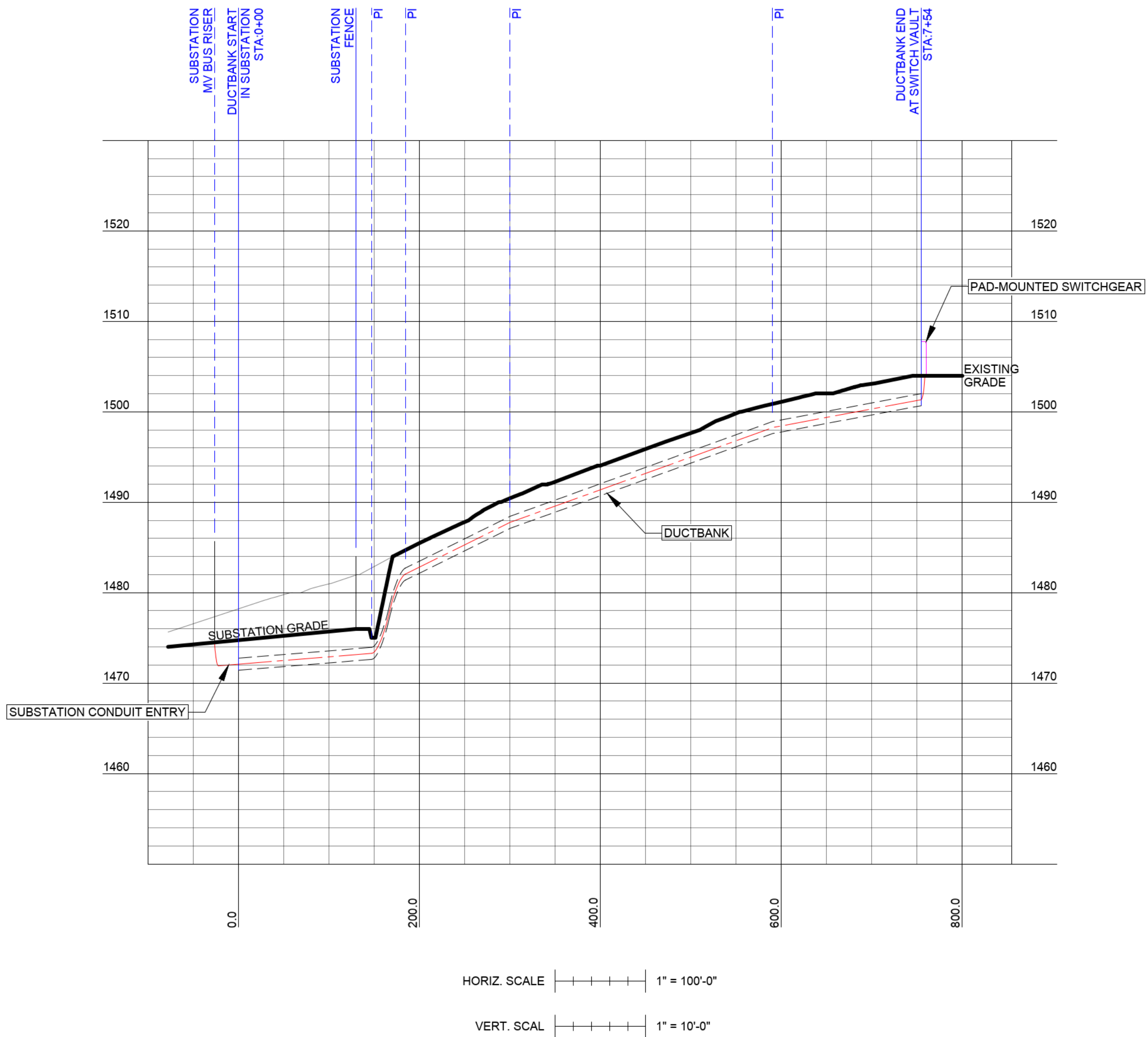
AERIAL IN DUCTBANK IN TRENCH

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
C	01/18/2022	EHK	ISSUED FOR 94-C	JS	RA
B	12/08/2021	EHK	ISSUED FOR REVIEW	JS	JB
A	11/24/2021	EHK	ISSUED FOR REVIEW	JS	JB

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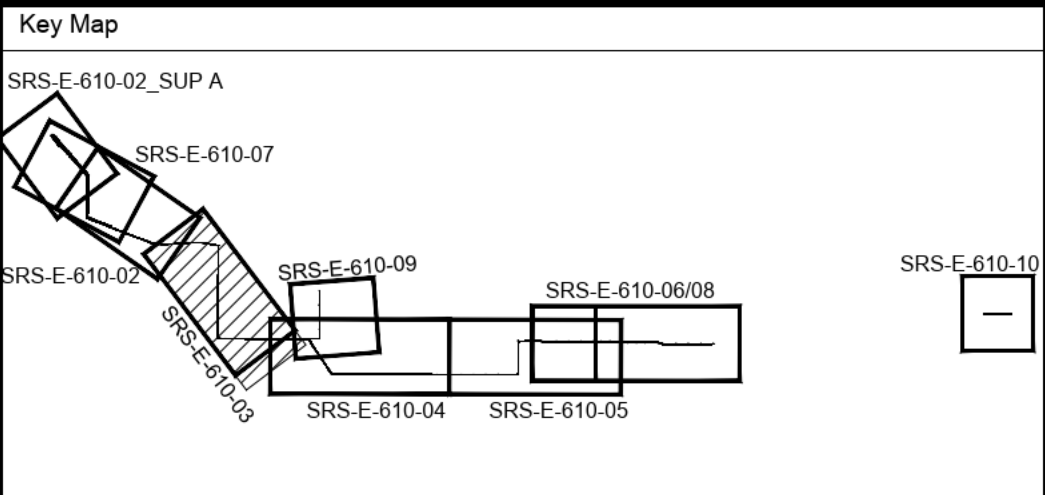
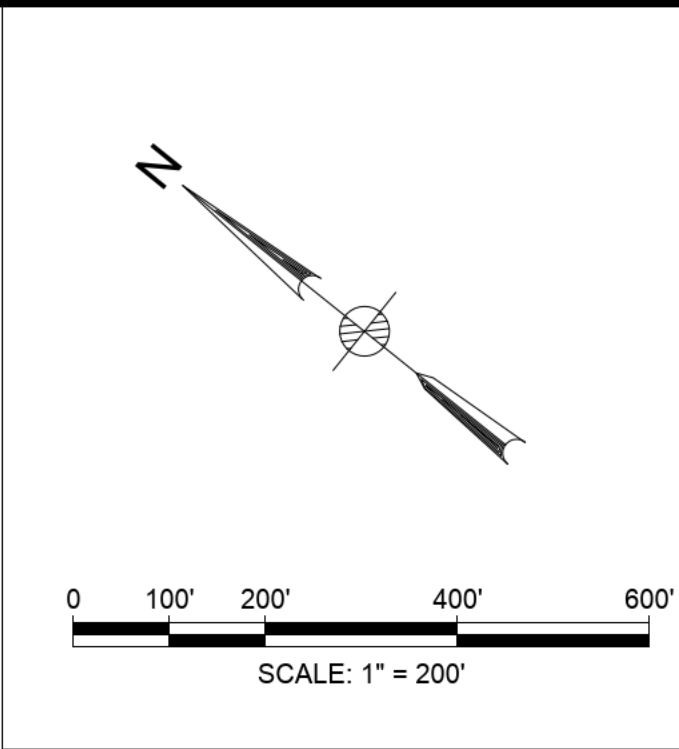
South Ripley SOLAR PROJECT

Title

**SOUTH RIPLEY SOLAR
34.5KV COLLECTOR SYSTEM
PLAN AND PROFILE
SUPPLEMENT A**

PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION	Designed	EK	Eng check	JS
	Drawn	EK	Approved	RA
	Scale at ANSI D As Noted	Date 01/18/2022	Rev C	
	Drawing Number SRS-E-610-02_SUP_A			

CONCEPTUAL - NOT FOR CONSTRUCTION

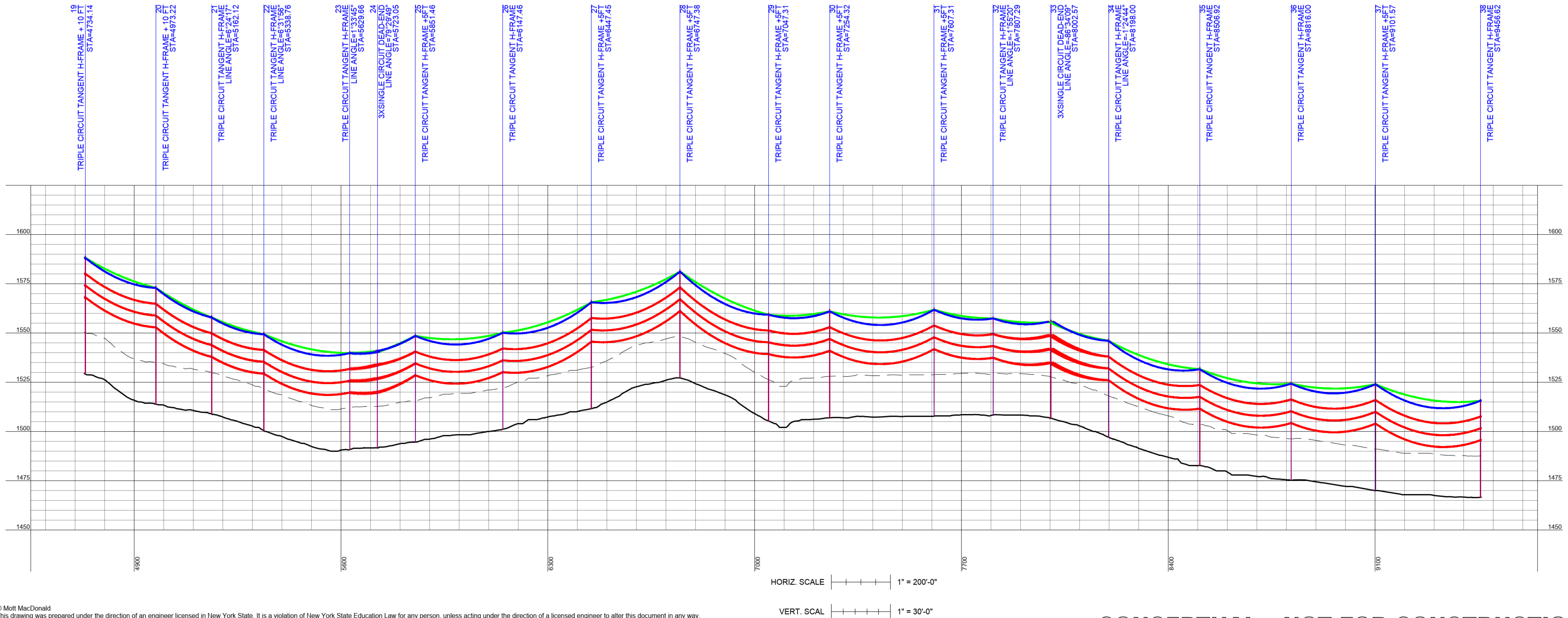


- Symbol Legend
- 34.5KV STRUCTURE
 - 20 STRUCTURE & ID
 - JUNCTION BOX
 - PAD MOUNTED SWITCHGEAR
 - (PCSXX.XX) PCS ID

- 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 |
|--------|------------|-----------|-----------------|-----------------|-----------------|-----------------|--------------------|
| Red | Red | Red | Red | Red | Red | Red | Red |
| Yellow | Yellow | Yellow | Yellow | Yellow | Yellow | Yellow | Yellow |
| Green | Green | Green | Green | Green | Green | Green | Green |
| Blue | Blue | Blue | Blue | Blue | Blue | Blue | Blue |

- 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')

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 - 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



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CONCEPTUAL - NOT FOR CONSTRUCTION

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
Rev	Date	Drawn	Description	Ch'k'd	App'd

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Title

**SOUTH RIPLEY SOLAR
34.5KV COLLECTOR SYSTEM
PLAN AND PROFILE
SHEET 2**

PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION	Designed	EK	Eng check	BG
	Drawn	EK	Approved	JB
	Scale at ANSI D As Noted	Date 01/18/2022	Rev D	
	Drawing Number	SRS-E-610-03		