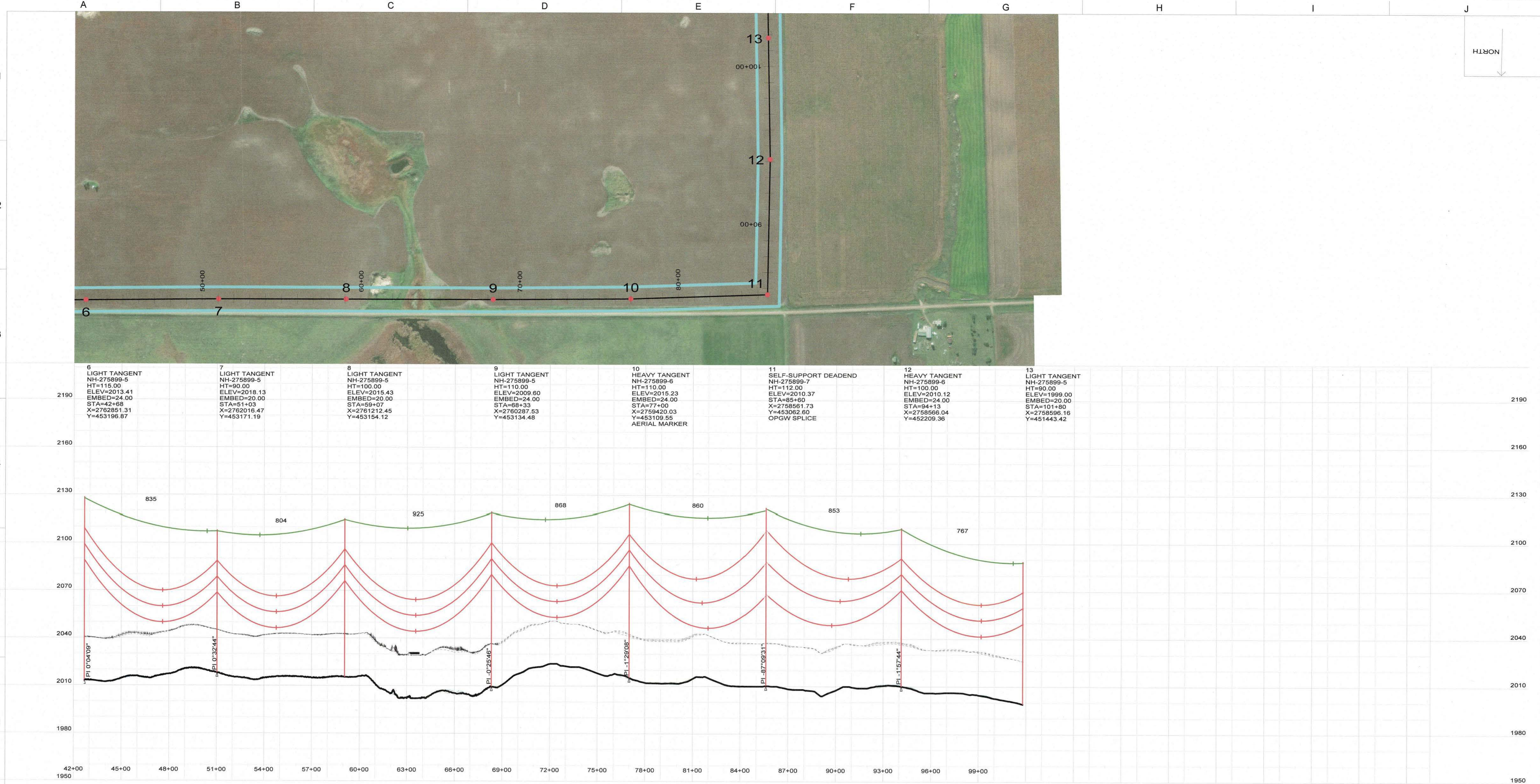




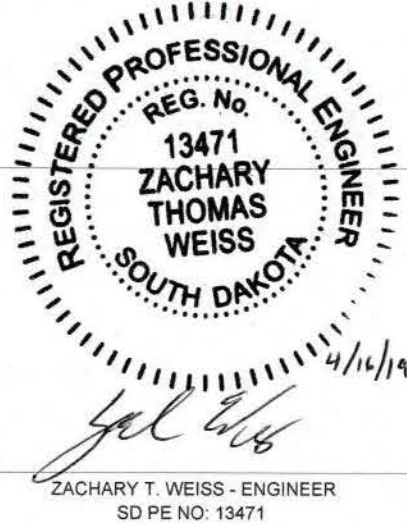
CABLE DATA (UNLESS OTHERWISE NOTED):

CONDUCTOR: 1272 KCMIL 45/7 ACSR "BITTERN"
DISPLAYED: 212°F, "FINAL" CONDITION
DESIGN TENSION: 8,525 LBS (25% RBS)
AT 0°F, NO WIND, NO ICE, "FINAL"

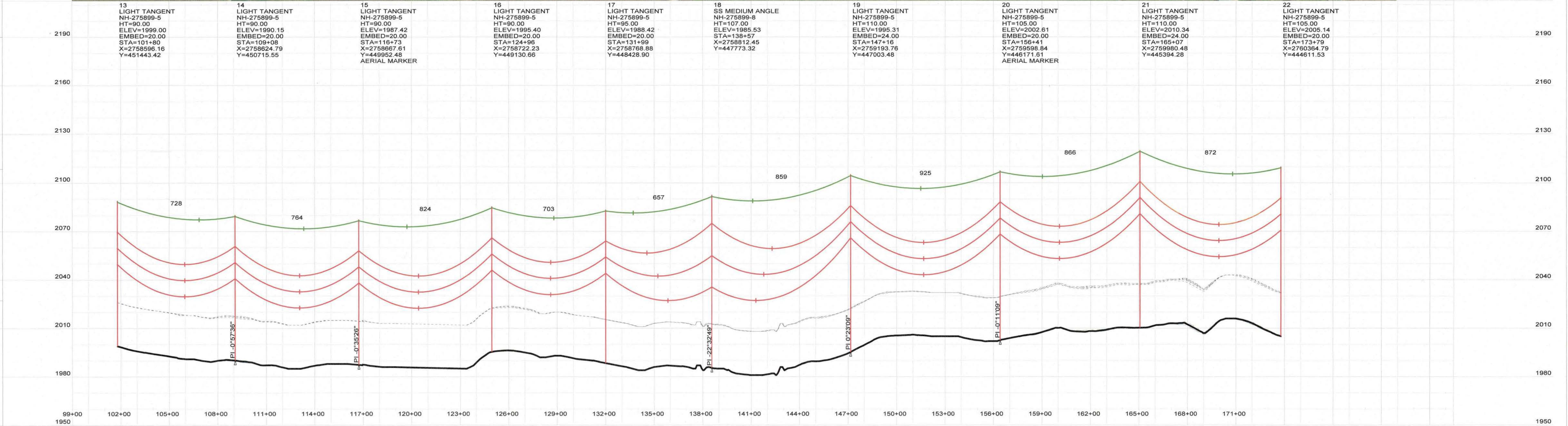
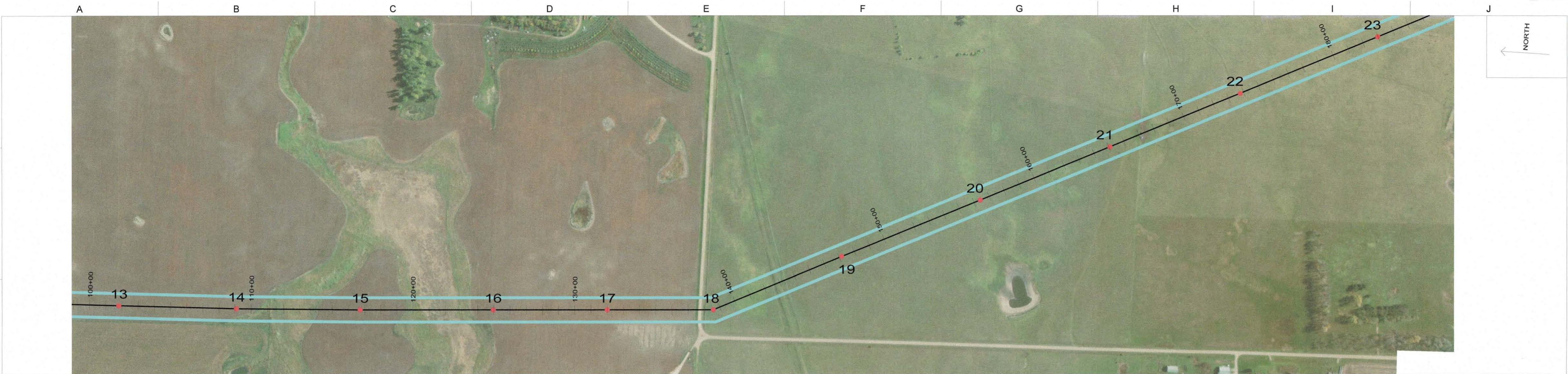
SHIELD WIRE: SFPOC/SFSJ-J-4388R2 OPGW
DISPLAYED: 0°F "INITIAL" CONDITION
DESIGN TENSION: 4,700 LBS (25% RBS)
AT 0°F, NO WIND, NO ICE, "FINAL"

- NOTES:
- COORDINATES IN STRUCTURE LABEL ARE X (EASTING) AND Y (NORTHING) PER SOUTH DAKOTA STATE PLANE NAD83, NORTH ZONE 4001; US SURVEY FEET
 - DISPLAYED CLEARANCE LINE IS 27FT (NESC REQUIREMENT AT 230KV + 3.5 FT. BUFFER)
 - ABOVE GROUND HEIGHT (AGH) AND EMBEDMENT (EMBED) DISPLAYED IN THE STRUCTURE LABEL ARE IN UNITS OF FEET. AGH SHOWN INCLUSIVE OF 1.5' FOUNDATION REVEAL. EMBEDMENT DEPTH SHOWN DOES NOT INCLUDE ANY OVEREXCAVATION THAT MAY BE NECESSARY. FOR FOUNDATION DETAILING AND SCHEDULING SEE DRAWINGS NH-275899-9.
 - STRUCTURE NAME DISPLAYED IN THE STRUCTURE LABELS CORRESPOND TO THE FOLLOWING STRUCTURE TYPES:
 - LIGHT TANGENT=0-1" SINGLE CIRCUIT "LIGHT TANGENT" WITH DAVIT ARMS (DWG NH-275899-5)
 - HEAVY TANGENT=0-3" SINGLE CIRCUIT "HEAVY TANGENT" WITH DAVIT ARMS (DWG NH-275899-6)
 - SELF-SUPPORT MEDIUM ANGLE=20-45" SINGLE CIRCUIT "MEDIUM" RUNNING ANGLE SELF-SUPPORTED (DWG NH-275899-7)
 - SELF-SUPPORT DEADEND=45-90" SINGLE CIRCUIT "HEAVY ANGLE" DEADEND SELF-SUPPORTED (DWG NH-275899-8)
 - GROUND AND BOUNDARY SURVEY PROVIDED BY ULTEIG. LIDAR SURVEY PROVIDED BY SAM INC.
 - SEE DRAWING NH-275899-10-1 FOR HARDWARE MODIFICATIONS AT OPGW SPLICER LOCATIONS.
 - SEE DRAWING NH-275899-10-8 FOR HARDWARE MODIFICATIONS AT LOCATIONS WHERE TWO SHIELD WIRES SHALL BE INSTALLED.

NO	REVISION	ZONE	DATE	BY	CHK	ENG	NO	REVISION	ZONE	DATE	BY	CHK	ENG	REFERENCE DRAWINGS		
A	IFR:30%_DESIGN_REVIEW		11/10/2017	ARL	JPC	ARL								DWG NO.	MANUFACTURER	DESCRIPTION
B	IFR:REVISED_30%_DESIGN_REVIEW		02/26/2018	ARL	ANO	ARL										
C	IFR		08/31/2018	ARL	VPS	ARL										
D	IFR		02/19/2019	ARL	ELM	ARL										
E	IFR		03/22/2019	ARL	STE	ARL										
F	IFR		04/16/2019	ARL	STE	ARL										



CROWNED RIDGE WIND II, LLC				THIS MAP/DOCUMENT IS A TOOL TO ASSIST EMPLOYEES IN THE PERFORMANCE OF THEIR JOBS. YOUR PERSONAL SAFETY IS PROVIDED FOR BY USING SAFETY PRACTICES, PROCEDURES, AND EQUIPMENT AS DESCRIBED IN THE SAFETY TRAINING PROGRAMS AND MANUALS.	UNIT 0 TRANSMISSION LINE PLAN&PROFILES	NH-275899-3-2	REV F
DWN: ANO	DATE: 11-10-2017	CHK: JPC	DATE: 11-10-2017				
ENG: ANO	DATE: 11-10-2017	CHK: JPC	DATE: 11-10-2017				
PM:	DATE:	PROJ. NO: 98888					
APVD:	DATE:	SCALE: NONE					
				ENERGY SUPPLY ENGINEERING & CONSTRUCTION			



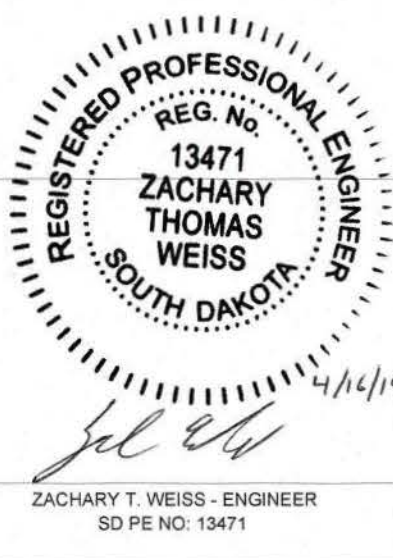
CABLE DATA (UNLESS OTHERWISE NOTED):

CONDUCTOR: 1272 KCMIL 45/7 ACSR "BITTERN"
DESIGN TENSION: 8,525 LBS (25% RBS)
AT 0°F, NO WIND, NO ICE, "FINAL"

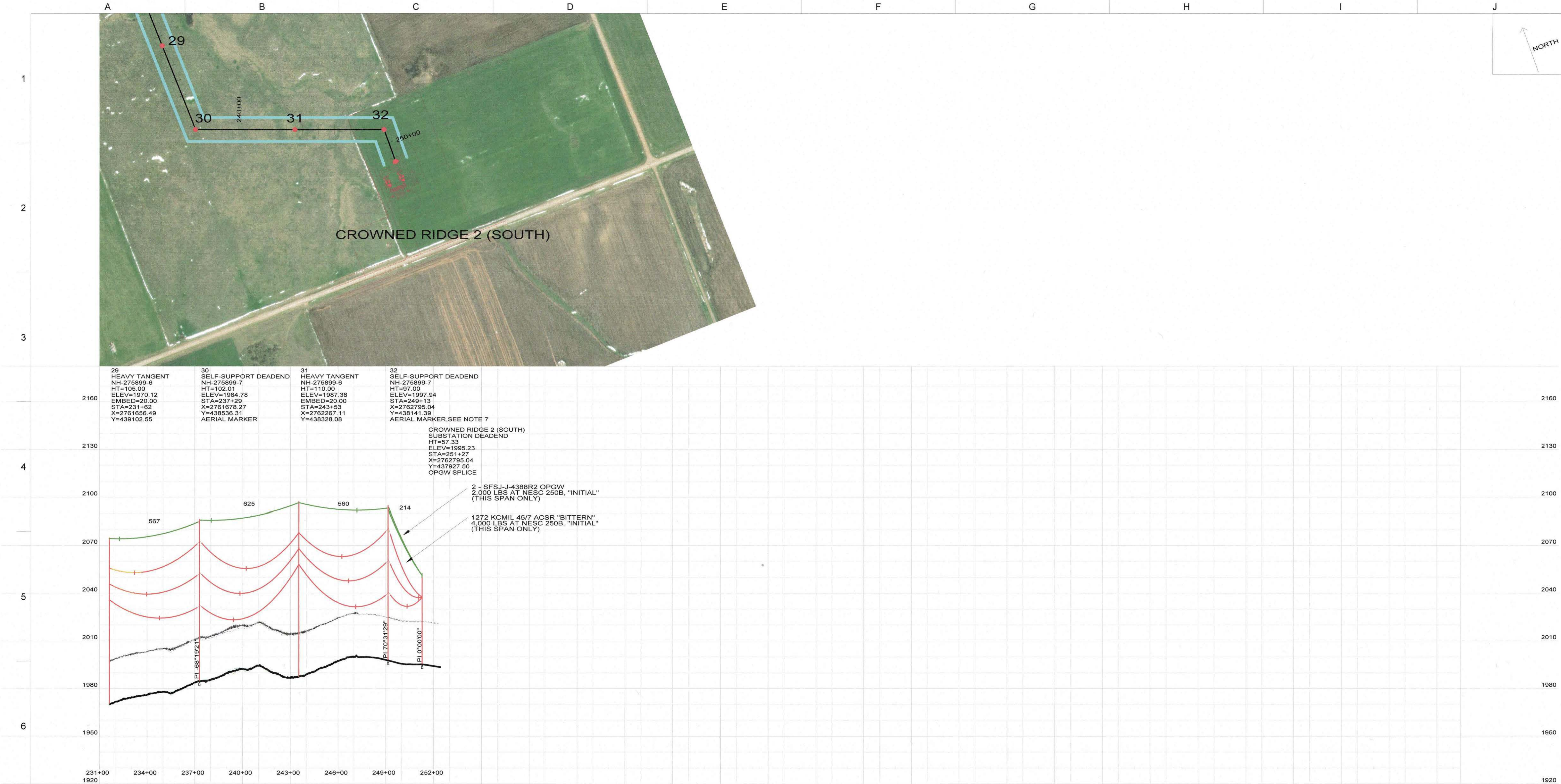
SHIELD WIRE: SFPOC/SFSJ-J-4388R2 OPGW
DISPLAYED: 0°F "INITIAL" CONDITION
DESIGN TENSION: 4,700 LBS (25% RBS)
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NO	REVISION	ZONE	DATE	BY	CHK	ENG	NO	REVISION	ZONE	DATE	BY	CHK	ENG	REFERENCE DRAWINGS		
														DWG NO.	MANUFACTURER	DESCRIPTION
A	IFR:30%_DESIGN_REVIEW		11/10/2017	ARL	JPC	ARL										
B	IFR:REVISED_30%_DESIGN_REVIEW		02/26/2018	ARL	ANO	ARL										
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D	IFR		02/19/2019	ARL	ELM	ARL										
E	IFR		03/22/2019	ARL	STE	ARL										
F	IFR		04/16/2019	ARL	STE	ARL										



CROWNED RIDGE WIND II, LLC				UNIT 0 TRANSMISSION LINE PLAN&PROFILES			
DWN: ANO	DATE: 11-10-2017	CHK: JPC	DATE: 11-10-2017	ENERGY SUPPLY ENGINEERING & CONSTRUCTION	NH-275899-3-3	REV F	
ENG: ANO	DATE: 11-10-2017	CHK: JPC	DATE: 11-10-2017				
PM:	DATE:	PROJ. NO: 98888					
APVD:	DATE:	SCALE: NONE					



CABLE DATA (UNLESS OTHERWISE NOTED):

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DISPLAYED: 212°F "FINAL" CONDITION
DESIGN TENSION: 8,525 LBS (25% RBS)
AT 0°F, NO WIND, NO ICE, "FINAL"

SHIELD WIRE: SFP0C/SFSJ-J-4388R2 OPGW
DISPLAYED: 0°F "INITIAL" CONDITION
DESIGN TENSION: 4,700 LBS (25% RBS)
AT 0°F, NO WIND, NO ICE, "FINAL"

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REVISION							REVISION							REFERENCE DRAWINGS		
NO							NO							DWG NO.	MANUFACTURER	DESCRIPTION
A	IFR:30%_DESIGN_REVIEW															
B	IFR:REVISED_30%_DESIGN_REVIEW															
C	IFR															
D	IFR															
E	IFR															
F	IFR															
	ZONE	DATE	BY	CHK	ENG	NO		ZONE	DATE	BY	CHK	ENG				
		11/10/2017	ARL	JPC	ARL											
		02/26/2018	ARL	ANO	ARL											
		08/31/2018	ARL	VPS	ARL											
		02/19/2019	ARL	ELM	ARL											
		03/22/2019	ARL	STE	ARL											
		04/16/2019	ARL	STE	ARL											

REGISTERED PROFESSIONAL ENGINEER

REG. NO. 13471

ZACHARY THOMAS WEISS

SOUTH DAKOTA

11/16/19

ZACHARY T. WEISS - ENGINEER

SD PE NO: 13471

CROWNED RIDGE WIND II, LLC

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UNIT 0

TRANSMISSION LINE

PLAN&PROFILES

NH-275899-3-5

DWN: ANO

ENG: ANO

PM:

APVD:

DATE: 11-10-2017

DATE: 11-10-2017

DATE:

DATE:

CHK: JPC

CHK: JPC

PROJ. NO: 98888

SCALE: NONE

REV

F