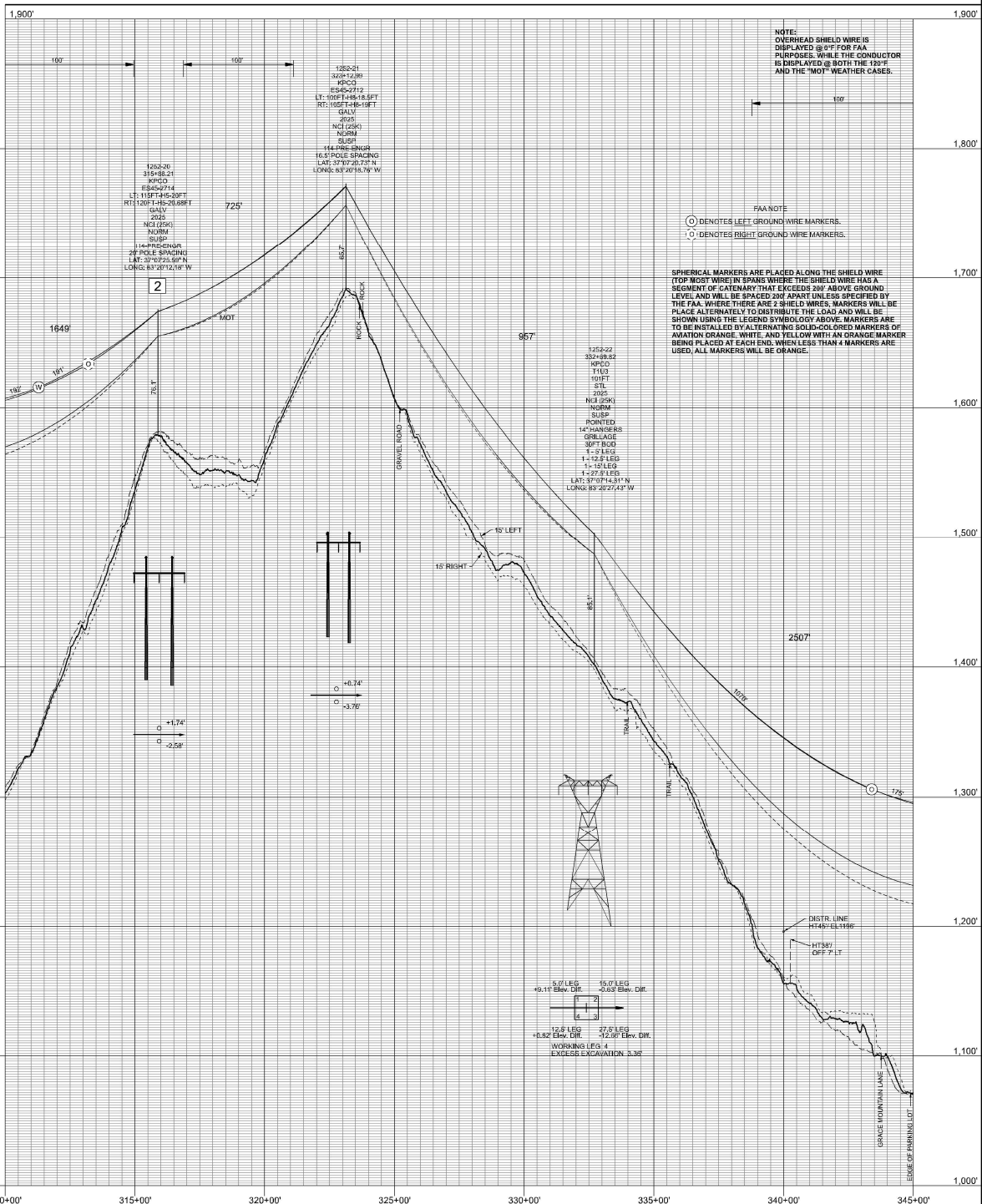


EXHIBIT A
Part 2 of 2

SHIELD WIRE: LEFT (1) 0.84" DIA. 96 FIBER SFDPC SFS-L-2471 CP/W/AT 7.847 LBS NESC HVY (KPCO)
 RIGHT (1) 7 NO. 6 ALUM/WELD AT 6.633 LBS NESC HVY (KPCO)
 CONDUCTOR: (3) 735 KCMIL ACSR 20/7, DRAKE AT 10,000 LBS NESC HVY (KPCO)



NOTE:
 OVERHEAD SHIELD WIRE IS DISPLAYED @ 0" FOR FAA PURPOSES, WHILE THE CONDUCTOR IS DISPLAYED @ BOTH THE 120" AND THE "HOT" WEATHER CASES.

FAA NOTE
 ○ DENOTES LEFT GROUND WIRE MARKERS.
 ○ DENOTES RIGHT GROUND WIRE MARKERS.

SPHERICAL MARKERS ARE PLACED ALONG THE SHIELD WIRE (TOP MOST WIRE) IN SPANS WHERE THE SHIELD WIRE HAS A SEGMENT OF CATENARY THAT EXCEEDS 200' ABOVE GROUND LEVEL AND WILL BE SPACED 200' APART UNLESS SPECIFIED BY THE FAA. WHERE THERE ARE 2 SHIELD WIRES, MARKERS WILL BE PLACED ALTERNATELY TO DISTRIBUTE THE LOAD AND WILL BE SHOWN USING THE LEGEND SYMBOLS ABOVE. MARKERS ARE TO BE INSTALLED BY ALTERNATING SOLID-COLORED MARKERS OF AVIATION ORANGE, WHITE, AND YELLOW WITH AN ORANGE MARKER BEING PLACED AT EACH END. WHEN LESS THAN 4 MARKERS ARE USED, ALL MARKERS WILL BE ORANGE.

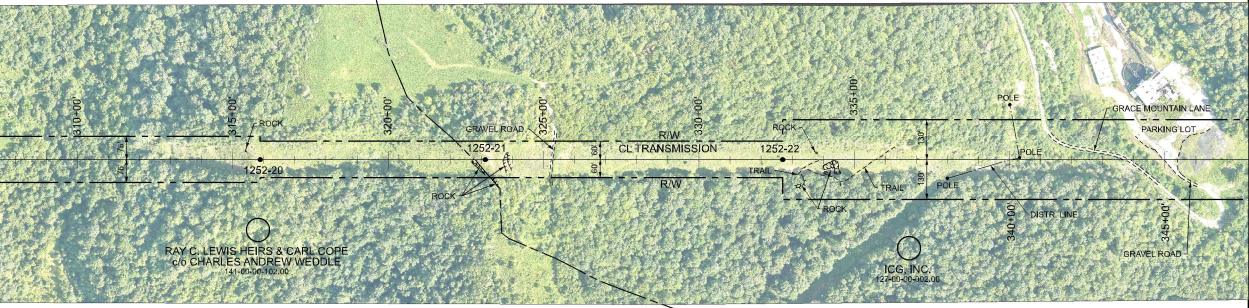
REV	ISSUED FOR RECORD	REVISION DESCRIPTION	DATE	BY
0			12/18/2023	JBR

HORIZONTAL	VERTICAL
0 1/8" (10') = 1" (100')	0 1/8" (10') = 1" (100')
0 1/16" (20') = 1" (200')	0 1/16" (40') = 1" (400')



REVISION NO.	DATE	BY	CHKD BY
1847	12/18/2023	JBR	KLS

WOOTEN - STINNETT 161KV LINE
 KENTUCKY POWER COMPANY
 PLANS & PROFILE
 DATE: 10/02/2012
 SHEET: 12



REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 7 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES,
 SUPPLEMENTAL INFORMATION AND GUYING & ANCHOR INFORMATION.
 SHEET 2A FOR PHASING DIAGRAM.
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.

SHIELD WIRE: LEFT (1) 0.64" DIA. 96 FIBER SFDPC SFS-L-2471 CP/W/AT 7,810 LBS NESC H/VY (KPCO)
 RIGHT (1) 7 NO. 6 ALUMINUM WELD AT 6,675 LBS NESC H/VY (KPCO)
 CONDUCTOR: (3) 735 KCMIL ACSR 20/7, DRAKE AT 10,000 LBS NESC H/VY (KPCO)

NOTE:
 OVERHEAD SHIELD WIRE IS
 DISPLAYED @ 0" F FOR FAA
 PURPOSES. WHILE THE CONDUCTOR
 IS DISPLAYED @ BOTH THE 120" F
 AND THE "MOT" WEATHER CASES.

FAA NOTE:
 ○ DENOTES LEFT GROUND WIRE MARKERS.
 ○ DENOTES RIGHT GROUND WIRE MARKERS.

SPHERICAL MARKERS ARE PLACED ALONG THE SHIELD WIRE (TOP MOST WIRE) IN SPANS WHERE THE SHIELD WIRE HAS A SEGMENT OF CATENARY THAT EXCEEDS 200' ABOVE GROUND LEVEL, AND WILL BE SPACED 200' APART UNLESS SPECIFIED BY THE FAA. WHERE THERE ARE 2 SHIELD WIRES, MARKERS WILL BE PLACED ALTERNATELY TO DISTRIBUTE THE LOAD AND WILL BE SHOWN USING THE LEGEND SYMBOLOLOGY ABOVE. MARKERS ARE TO BE INSTALLED BY ALTERNATING SOLID-COLORED MARKERS OF AVIATION ORANGE, WHITE, AND YELLOW WITH AN ORANGE MARKER BEING PLACED AT EACH END. WHEN LESS THAN 4 MARKERS ARE USED, ALL MARKERS WILL BE ORANGE.

1252-23
 307+78.29
 KPCO
 ES45-2714
 LT: 1108FT+115.54FT
 RT: 116FT+411+16.13FT
 DAVE
 2025
 NCI (25K)
 NORM
 SUSP
 114-FIBRE-ENGR
 20' POLE SPACINGS
 LAT: 37°02'52.48" N
 LONG: 83°22'52.16" W

1252-24
 377+38.82
 KPCO
 ES45-2714
 LT: 80FT+141+13.43FT
 RT: 80FT+141+13.43FT
 DAVE
 2025
 NCI (25K)
 NORM
 SUSP
 114-FIBRE-ENGR
 20' POLE SPACINGS
 LAT: 37°02'54.31" N
 LONG: 83°21'07.95" W

REV	DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/18/2023	JBR

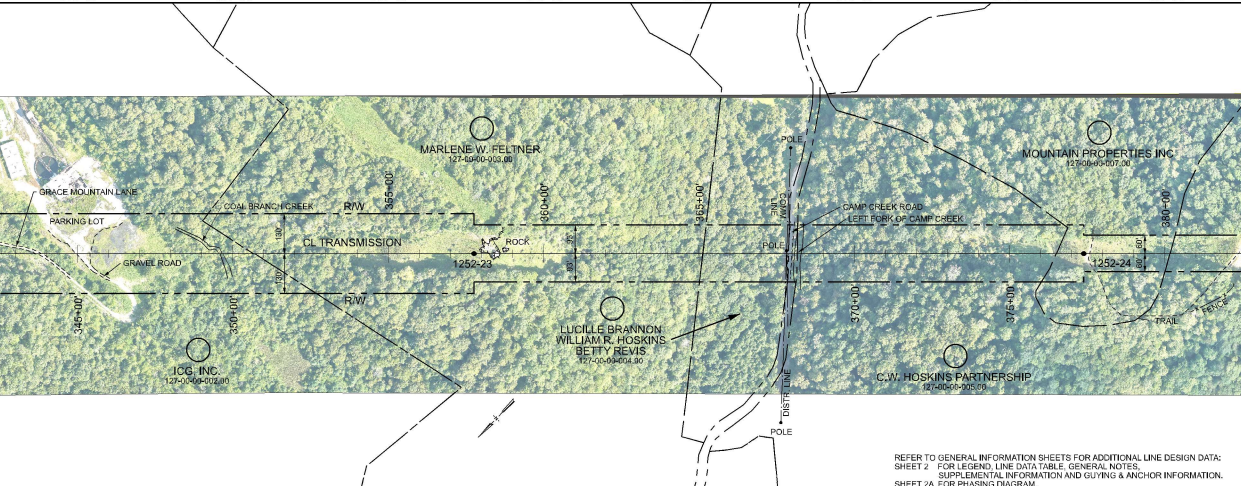
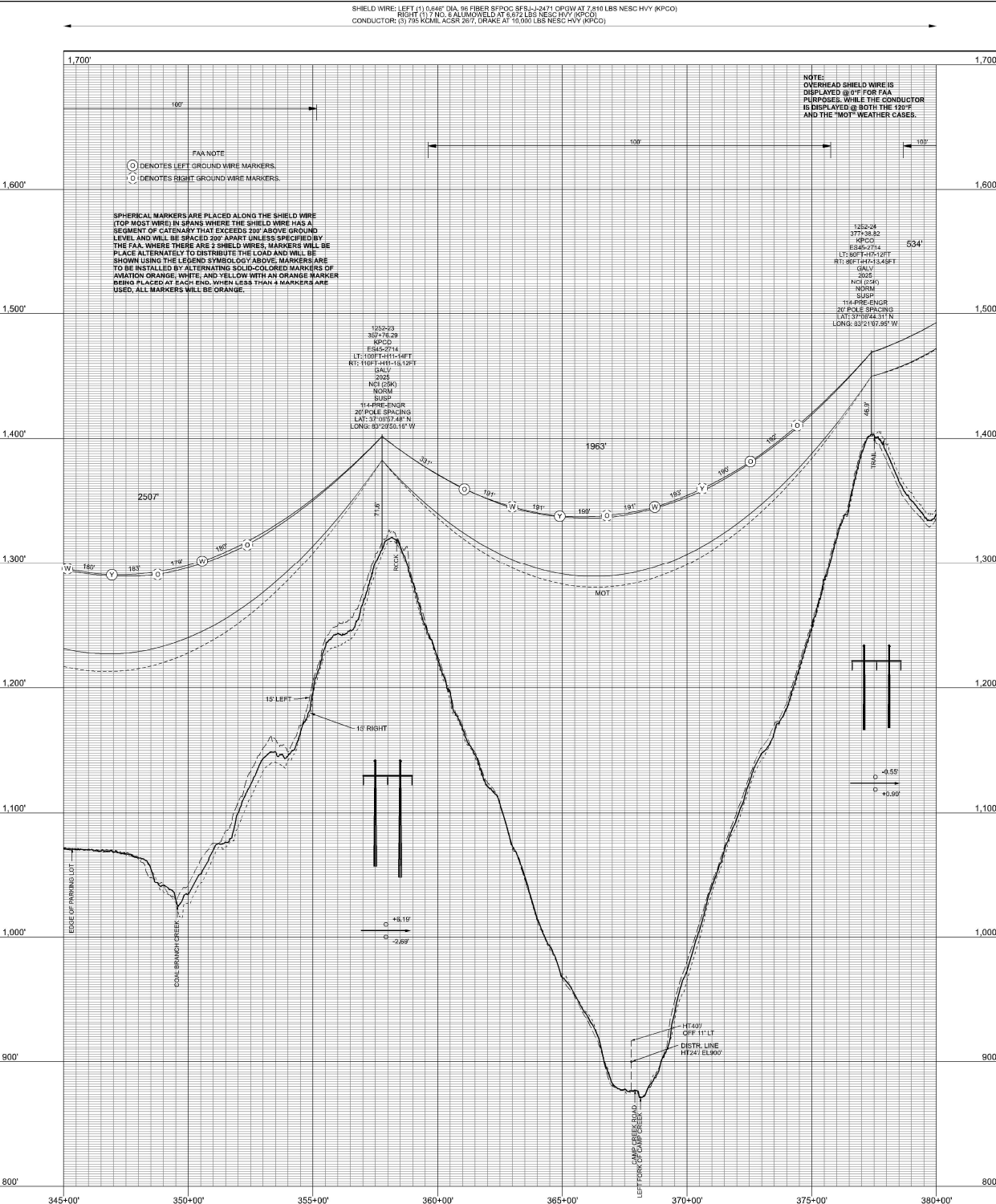
HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 40'

STATE OF KENTUCKY
 LESLIE COUNTY



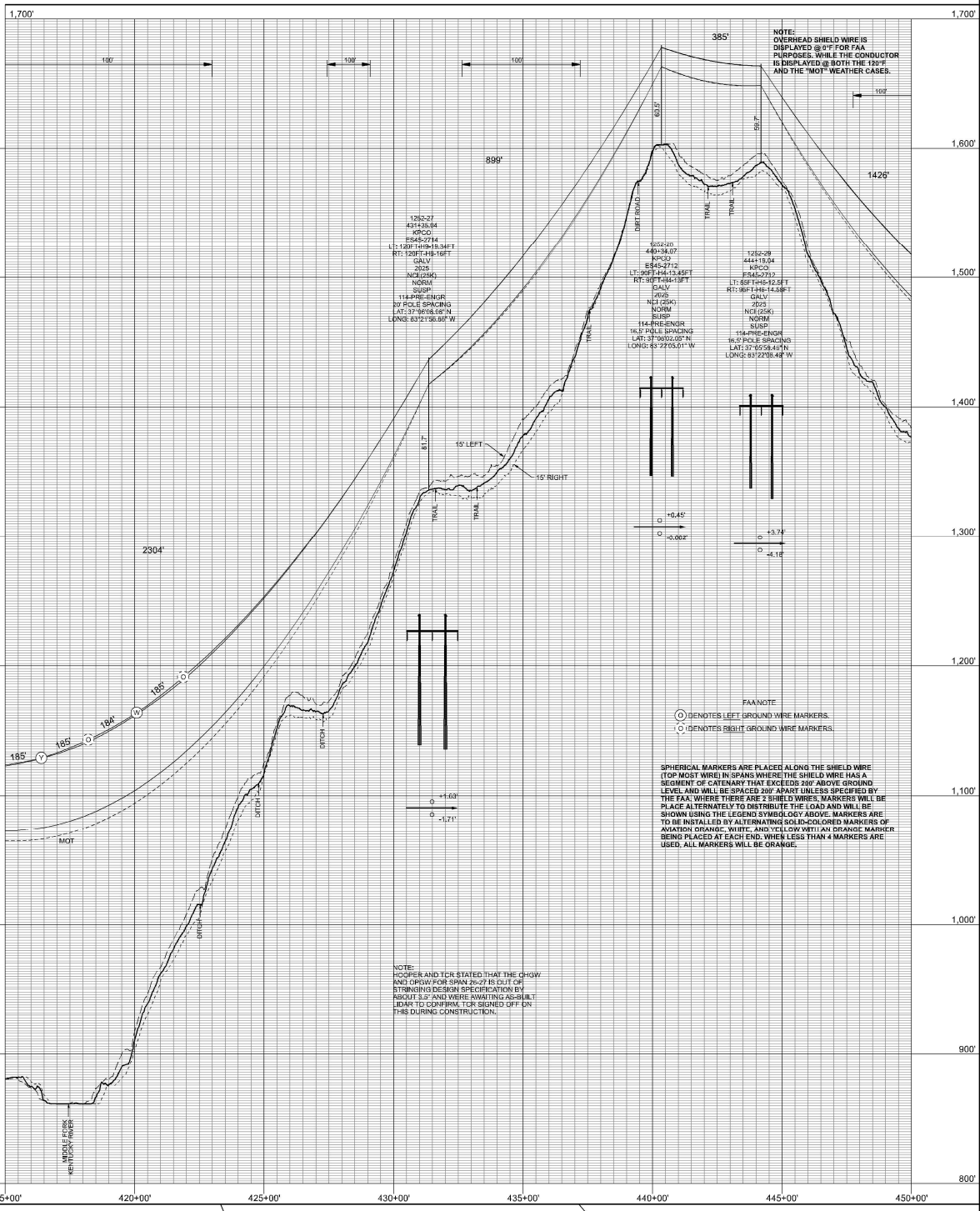
REPRODUCTION NO.: 1847	ENGINEER: DMI	CHIEF: BJA
DATE: 12/18/2023	DRAWN BY: KLS	SCALE: N/A

WOOTON - STINNETT 161KV LINE
 PLANS & PROFILE



REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 2 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES
 SUPPLEMENTAL INFORMATION AND GUINING & ANCHOR INFORMATION,
 SHEET 2A FOR PHASING DIAGRAM
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.

SHIELD WIRE: LEFT (1) 0.844" DIA. 96 FIBER SFDPC SFS-L-12471 CP/DW AT 7.868 LBS NESC/HVY (KPCO)
 RIGHT (1) 7 NO. 6 ALUMINUM WELD AT 6.714 LBS NESC/HVY (KPCO)
 CONDUCTOR: (3) 735 KCMIL ACSR 26/7, DRAKE AT 10.000 LBS NESC/HVY (KPCO)



REVISION DESCRIPTION
 0 ISSUED FOR RECORD

DATE
 12/18/2023

HORIZONTAL SCALE
 1" = 200'

STATE OF KENTUCKY
 LESLIE COUNTY

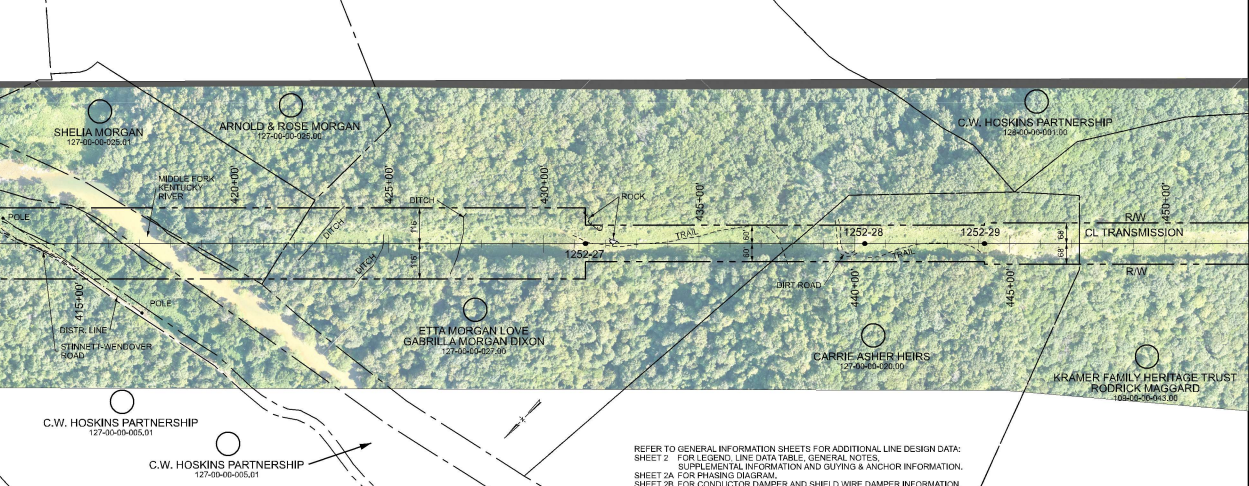


POWER ENGINEERS
 REPRODUCTION NO. 1847

ENGINEER: DMM
 DATE: 12/18/2023
 CHECKED BY: BOA
 APPR: KLS

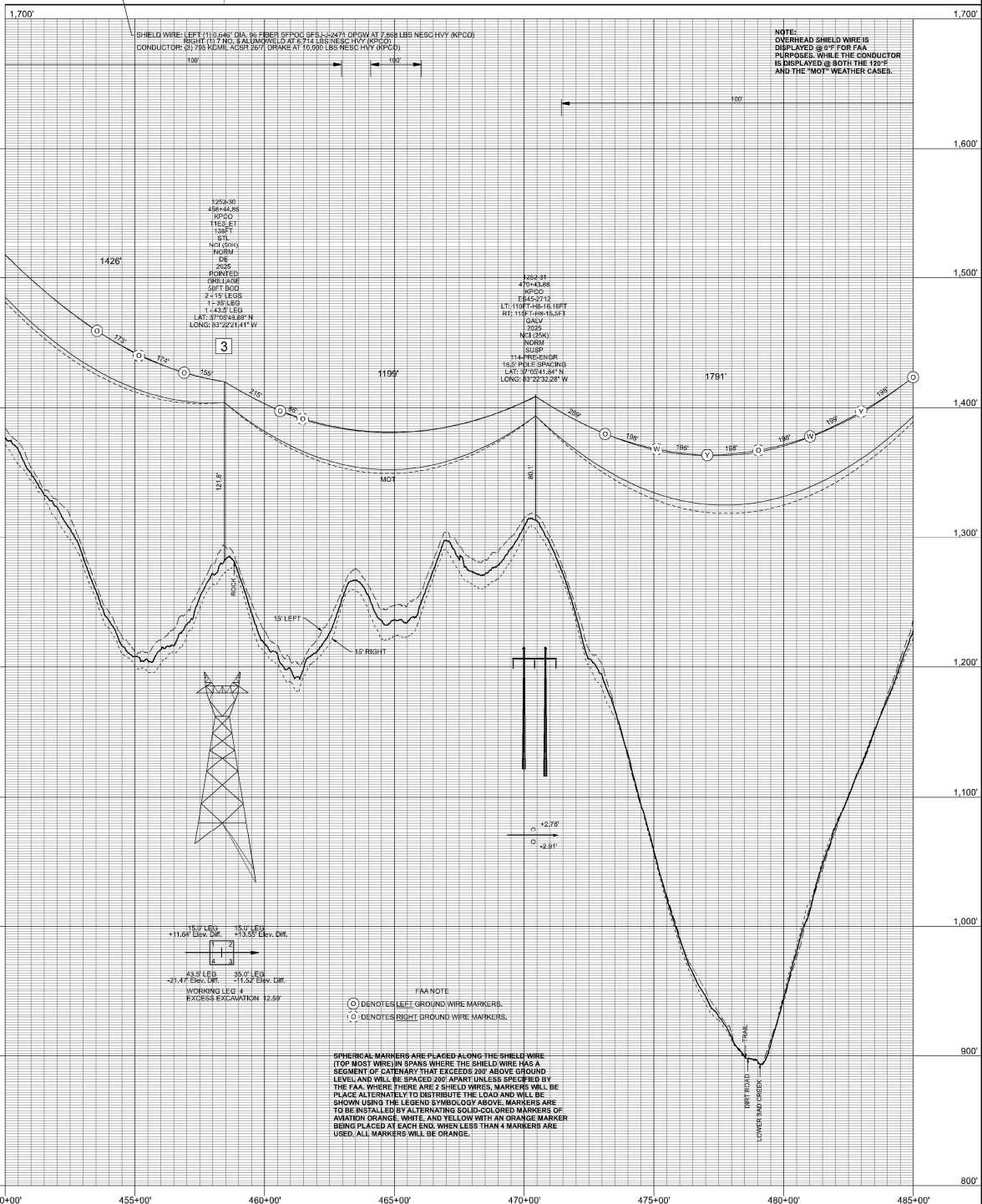
WOOTEN - STINNETT 161KV LINE
 PLANS & PROFILE

DATE: 06/25/2013
 SHEET: 15



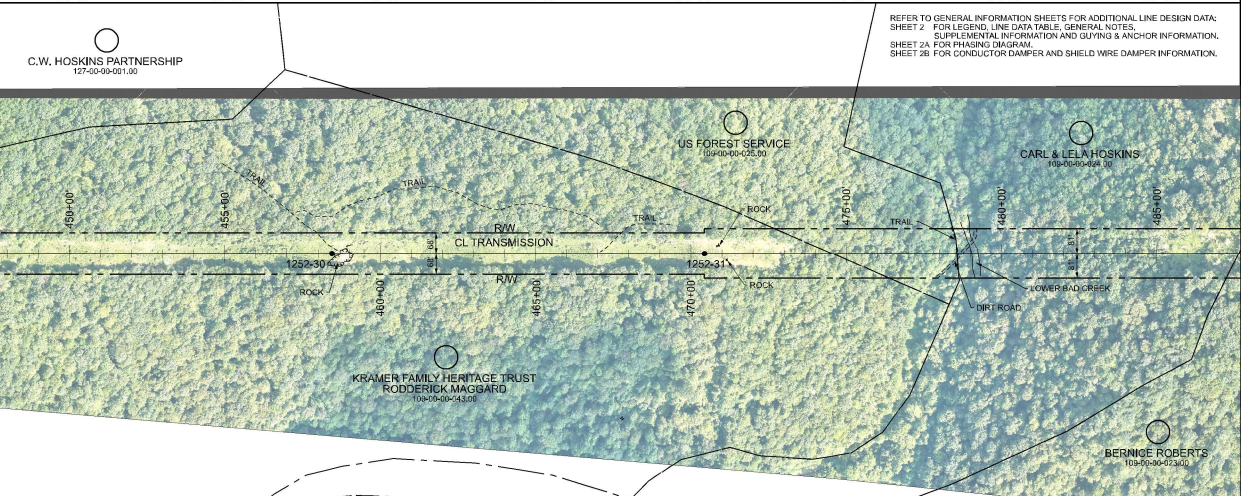
REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 2 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES,
 SUPPLEMENTAL INFORMATION AND GUYING & ANCHOR INFORMATION,
 SHEET 2A FOR PHASING DIAGRAM,
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.

SHIELD WIRE: LEFT (1) 0.640" DIA. 96 FIBER SFPDC SFS-LJ-2471' OPGW AT 7.776 LBS NESG HVY (KPCO)
 RIGHT (1) 7/16" 8 ALUMINUM AT 8.14 LBS NESG HVY (KPCO)
 CONDUCTOR: (3) 755 KCMIL ACSR 26/7 DRAKE AT 10.000 LBS NESG HVY (KPCO)

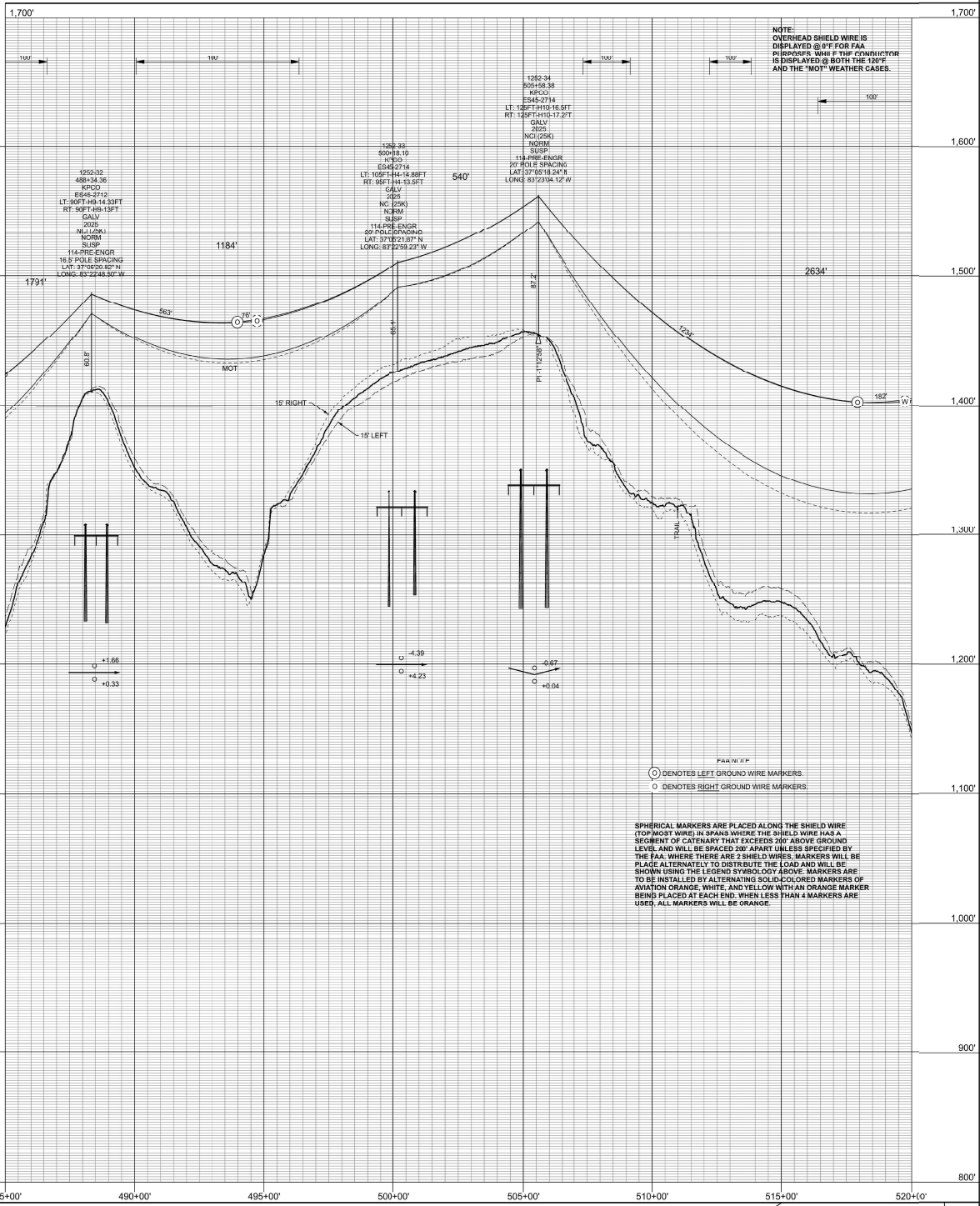


REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 7 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES,
 SUPPLEMENTAL INFORMATION AND GUYING & ANCHOR INFORMATION,
 SHEET 2A FOR PHASING DIAGRAM,
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.

REV	DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/18/2023	BR
HORIZONTAL 1" = 200' VERTICAL 1" = 40'			
STATE OF KENTUCKY LESLIE COUNTY			
REESTABLISHMENT NO. 184			
ENGR	DATE	CHKD BY	BOA
BR	12/18/2023	APR	KLS
DATE	12/18/2023	REV	0
WOOTON - STINNETT 161KV LINE PLAN & PROFILE			
DATE	10/02/2018	REV	0



SHIELD WIRE: LEFT (1) 0.648" DIA. 96 FIBER SFPOC SFSJ-13471 OPQW AT 7.776 LBS NESC HVY (KPCO)
 RIGHT (1) 7 NO. 8 ALLUMWELD AT 6.647 LBS NESC HVY (KPCO)
 CONDUCTOR: (3) 75 KCMIL ACSR 207, GRADE AT 10.000 LBS NESC HVY (KPCO)



NOTE:
 OVERHEAD SHIELD WIRE IS
 DISPLAYED @ 0' F FOR FAA
 PI PROFILES. WIRE F TWP CONDUCTOR
 IS DISPLAYED @ BOTH THE 120' F
 AND THE "MOT" WEATHER CASES.

FAA W/ 15' F
 ○ DENOTES LEFT GROUND WIRE MARKERS
 ○ DENOTES RIGHT GROUND WIRE MARKERS.

SPHERICAL MARKERS ARE PLACED ALONG THE SHIELD WIRE
 (TOP MOST WIRE) IN SPANS WHERE THE SHIELD WIRE HAS A
 SEGMENT OF CATENARY THAT EXCEEDS 300' ABOVE GROUND
 LEVEL AND WILL BE SPACED 200' APART UNLESS SPECIFIED BY
 THE FAA. WHERE THERE ARE 2 SHIELD WIRES, MARKERS WILL BE
 PLACED ALTERNATELY TO DISTRIBUTE THE LOAD AND WILL BE
 SHOWN USING THE LEGEND SYMBOLOLOGY ABOVE. MARKERS ARE
 TO BE INSTALLED BY ALTERNATING SOLID-COLORED MARKERS OF
 AVIATION ORANGE, WHITE, AND YELLOW WITH AN ORANGE MARKER
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 USED, ALL MARKERS WILL BE ORANGE.

REV	DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/18/2025	JBR

HORIZONTAL	VERTICAL
0.50	10
100	20
200	40

STATE OF KENTUCKY
 LESLIE COUNTY



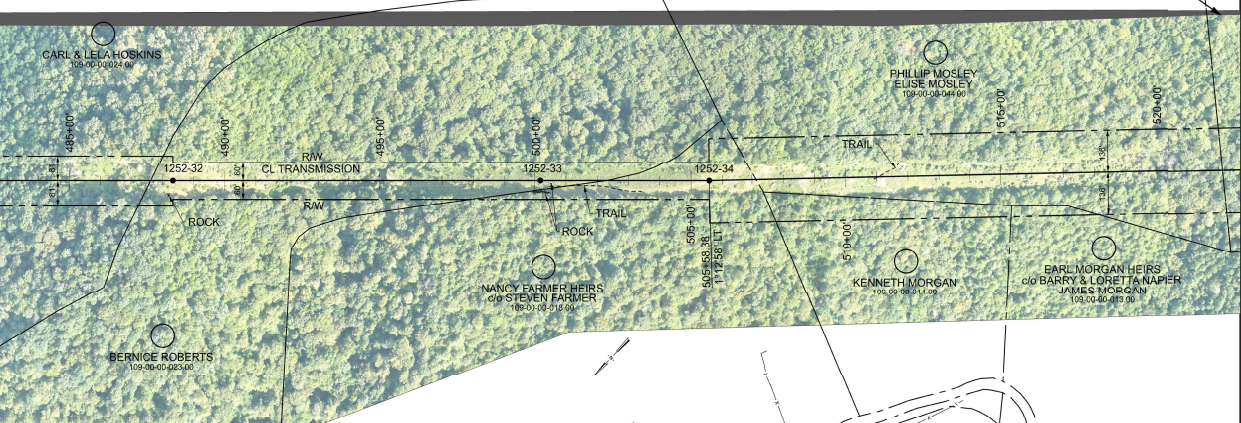
REGISTRATION NO.	DATE	CLASS	EXPIRES
1847	12/18/2025	PE	12/18/2028

DESIGNED BY	CHECKED BY
DM	BCM

WOCTON - STINNETT 161KV LINE
 PLAN & PROFILE

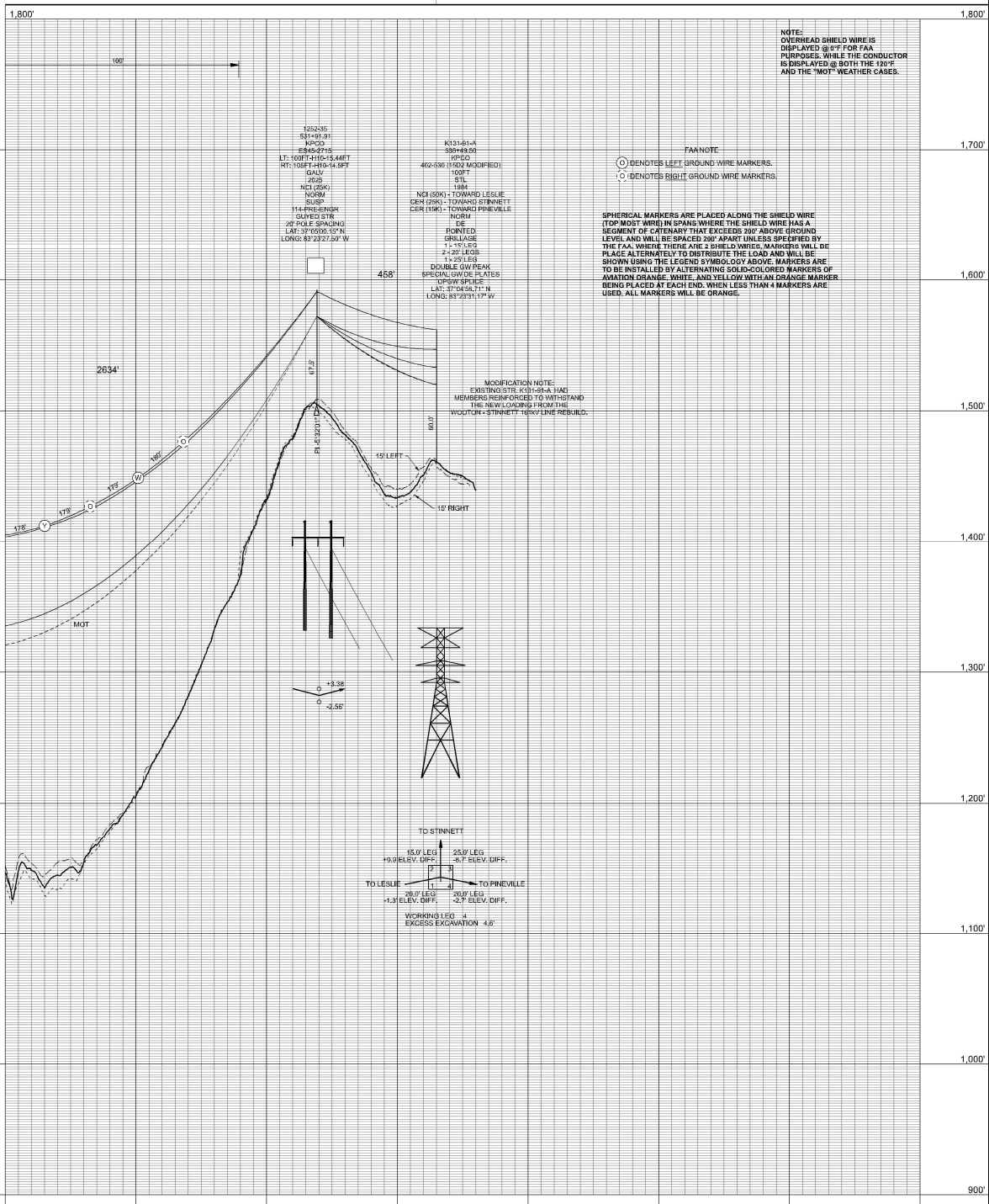
DATE	BY	REVISION
12/18/2025	JBR	1

REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 2 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES
 SUPPLEMENTAL INFORMATION AND GUYING & ANCHOR INFORMATION.
 SHEET 2A FOR PHASING DIAGRAM.
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.



SHIELD WIRE: LEFT (1) 0.644" DIA. 95 FBFR SFPCO SFS-L-2471 OPQW AT 7.776 LBS NESC HVY (KPCO)
 RIGHT (1) 7 NO. 9 ALLUMVELD AT 8.647 LBS NESC HVY (KPCO)
 CONDUCTOR: (3) 76 KCMIL AC3R 267, BRACE AT 10,000 LBS NESC HVY (KPCO)

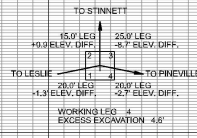
NOTE:
 OVERHEAD SHIELD WIRE IS
 DISPLAYED @ 6" FOR FAA
 PURPOSES. WHILE THE CONDUCTOR
 IS DISPLAYED @ BOTH THE 120" &
 AND THE "MOT" WEATHER CASES.



FAA NOTE:
 ○ DENOTES LEFT GROUND WIRE MARKERS.
 ○ DENOTES RIGHT GROUND WIRE MARKERS.

SPHERICAL MARKERS ARE PLACED ALONG THE SHIELD WIRE (TOP MOST WIRE) IN SPANS WHERE THE SHIELD WIRE HAS A SEGMENT OF CATENARY THAT EXCEEDS 200' ABOVE GROUND LEVEL AND WILL BE SPACED 200' APART UNLESS SPECIFIED BY THE FAA. WHERE THERE ARE 2 SHIELD WIRES, MARKERS WILL BE PLACED ALTERNATELY TO DISTRIBUTE THE LOAD AND WILL BE SHOWN USING THE LEGEND SYMBOLOLOGY ABOVE. MARKERS ARE TO BE INSTALLED BY ALTERNATING SOLID-COLORED MARKERS OF AVIATION ORANGE, WHITE, AND YELLOW WITH AN ORANGE MARKER BEING PLACED AT EACH END. WHEN LEGS LESS THAN 4 MARKERS ARE USED, ALL MARKERS WILL BE ORANGE.

MODIFICATION NOTE:
 EXISTING STR. K131-91-A HAD MEMBERS REINFORCED TO WITHSTAND THE NEW LOADING FROM THE WOOLTON - STINNETT 161KV LINE REBUILD.



REV	DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/18/2023	BR

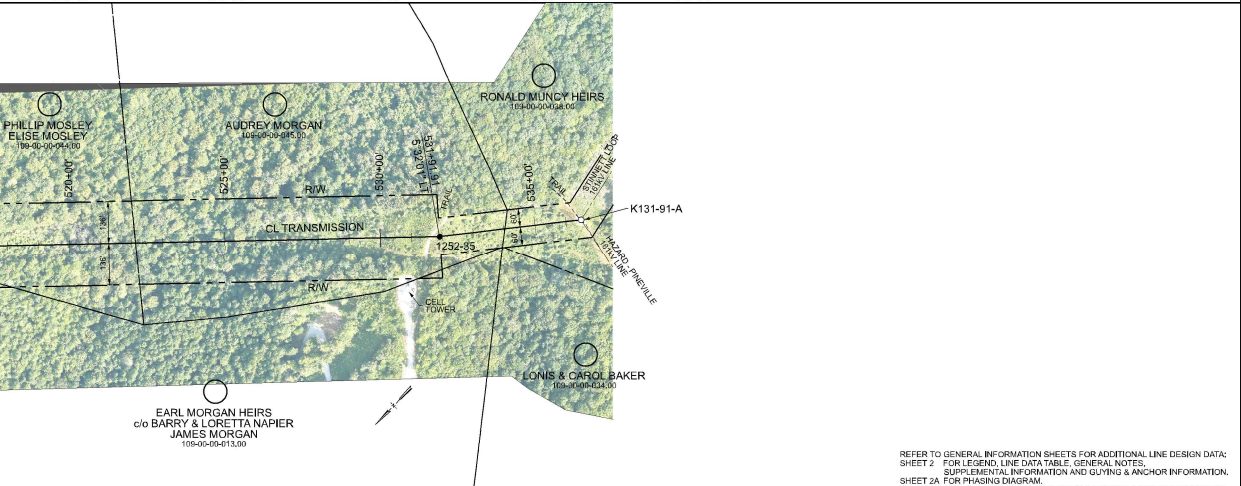
HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 40'

STATE OF KENTUCKY
 LESLIE COUNTY

AMERICAN POWER ENGINEERS
 REESTIMATION NO. 1847

ENGINEER: DMH
 DATE: 12/18/2023
 CHECKER: KLS
 DATE: 12/18/2023

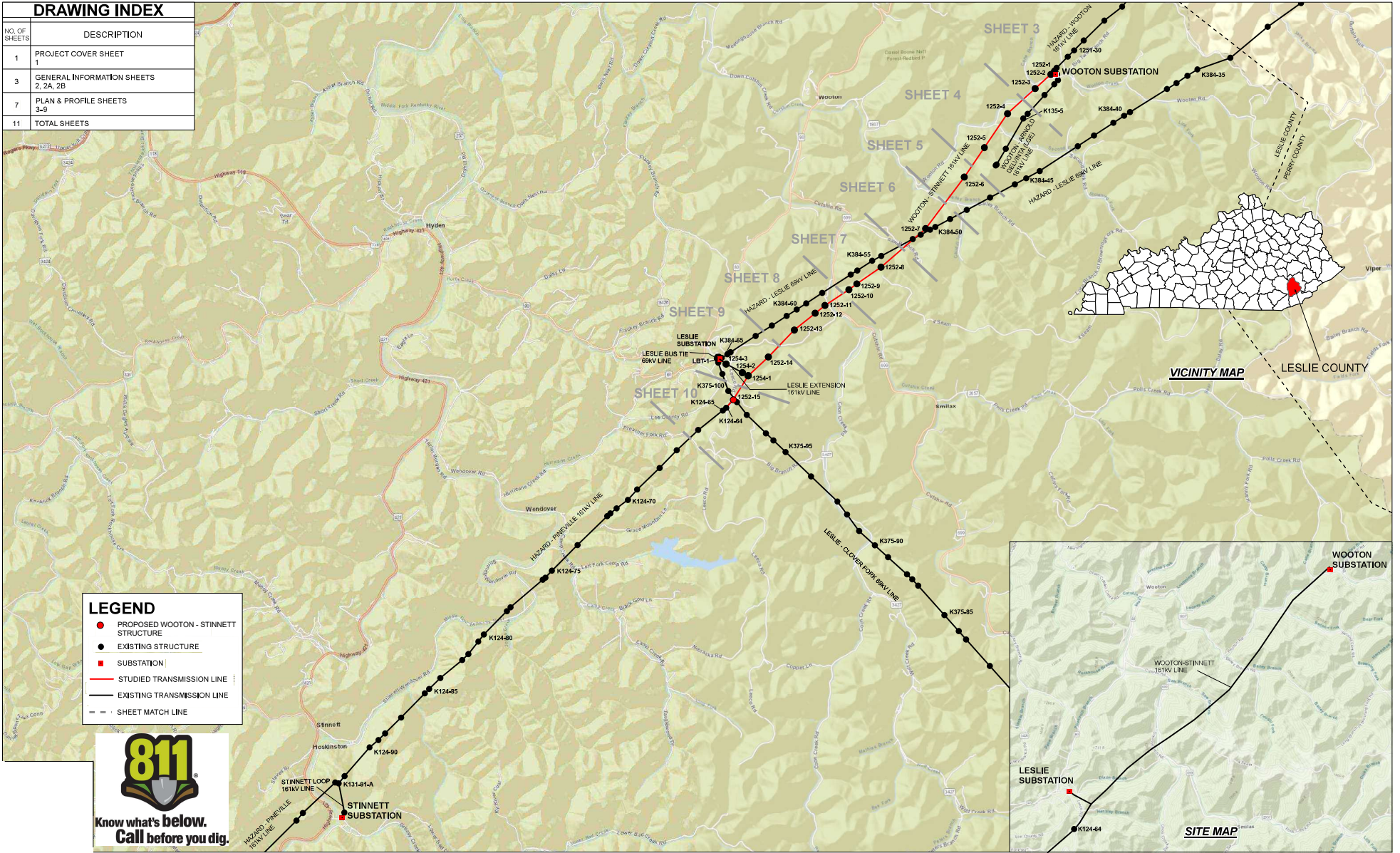
WOOLTON - STINNETT 161KV LINE
 PLAN & PROFILE
 EQUIP. TLM 8601232
 DWG. 1847/25/18
 SHEET 18



REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA:
 SHEET 1 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES,
 SUPPLEMENTAL INFORMATION AND GUYING & ANCHOR INFORMATION,
 SHEET 2A FOR PHASING DIAGRAM,
 SHEET 2B FOR CONDUCTOR DAMPER AND SHIELD WIRE DAMPER INFORMATION.

DRAWING INDEX

NO. OF SHEETS	DESCRIPTION
1	PROJECT COVER SHEET
3	GENERAL INFORMATION SHEETS 2, 2A, 2B
7	PLAN & PROFILE SHEETS 3-9
11	TOTAL SHEETS



LEGEND

- PROPOSED WOOTTON - STINNETT STRUCTURE
- EXISTING STRUCTURE
- SUBSTATION
- STUDIED TRANSMISSION LINE
- EXISTING TRANSMISSION LINE
- - - SHEET MATCH LINE



**Know what's below.
Call before you dig.**

REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/22/2024	PEI



STATE OF KENTUCKY
LESLIE COUNTY

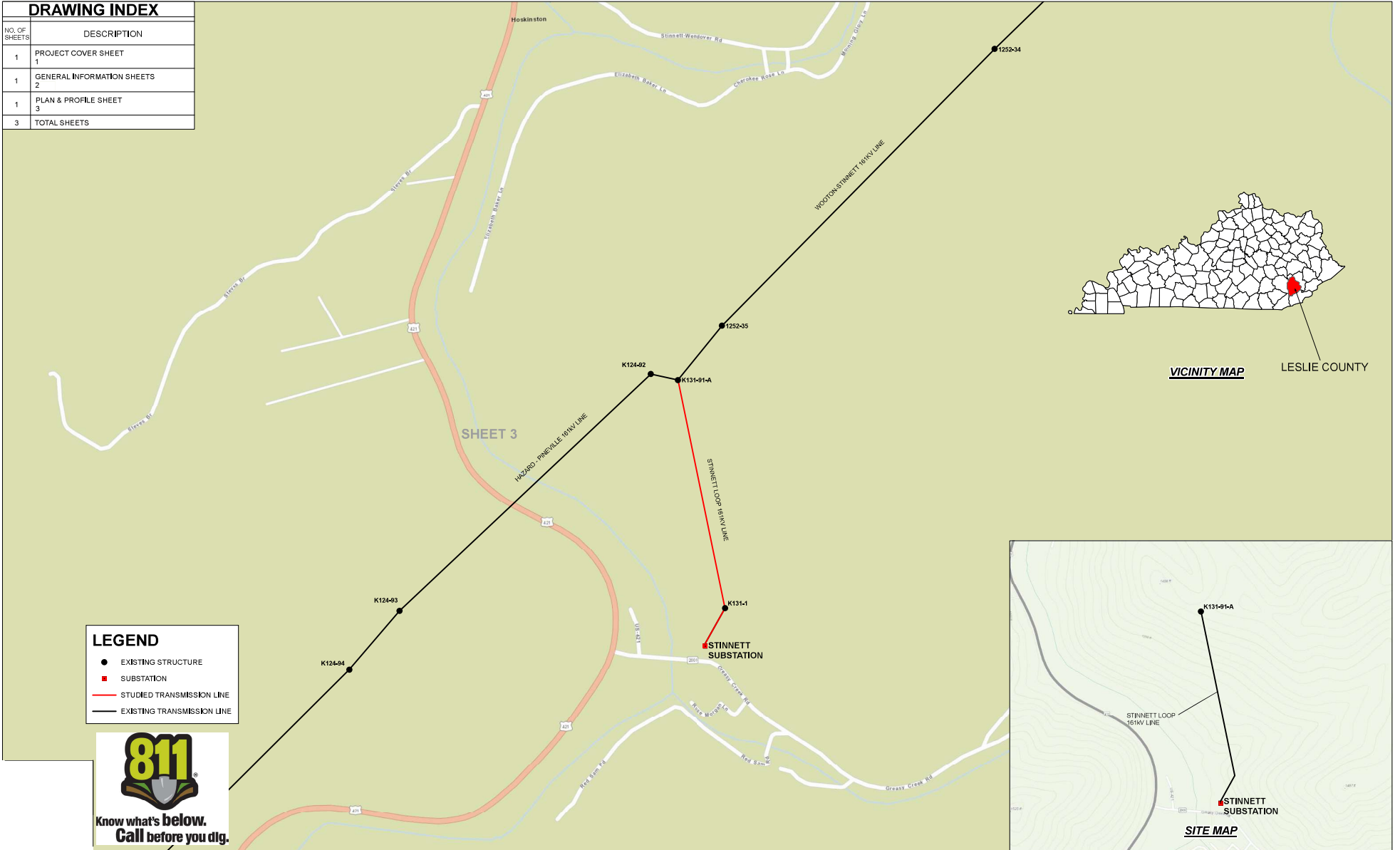


ENG BY: DAM	CHKD BY: BCM
DRN BY: RS	APP BY: SOB
REGISTRATION NO.: 1847	DATE: 06/01/2023
	RAW MAP NO.: NA

KENTUCKY POWER COMPANY		EQUIP: TLN180-01252
WOOTTON - STINNETT 161kV LINE		DWG: 180-01252-001
COVER SHEET		SHEET 1 REV 0

This drawing is the property of American Electric Power and should not be used for any other purpose without the express written consent of American Electric Power. It is to be used only for the project and location specifically identified on the drawing. It is not to be used for any other project or location without the express written consent of American Electric Power.

DRAWING INDEX	
NO. OF SHEETS	DESCRIPTION
1	PROJECT COVER SHEET
1	GENERAL INFORMATION SHEETS
1	PLAN & PROFILE SHEET
3	TOTAL SHEETS



LEGEND	
●	EXISTING STRUCTURE
■	SUBSTATION
— (Red)	STUDIED TRANSMISSION LINE
— (Black)	EXISTING TRANSMISSION LINE



REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/22/2024	PEI



STATE OF KENTUCKY
LESLIE COUNTY



ENG BY: DAM	CHKD BY: BCM
DRN BY: RS	APP BY: SOB
DATE: 06/01/2023	RAW MAP NO.: NA

KENTUCKY POWER COMPANY
STINNETT LOOP 161KV LINE
COVER SHEET

EQUIP: TLN180-0K131
DWG: 180-0K131S01
SHEET: 1 REV: 0

File: G:\Projects\2024\180-0K131\180-0K131S01_Cover.dwg

GENERAL INFORMATION SHEET

PLAN & PROFILE LEGEND

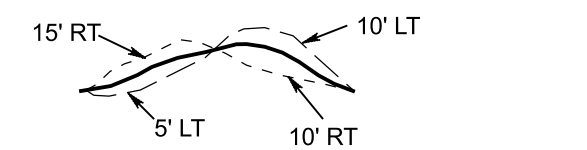


- 1 AERIAL PATROL MARKER
- X AERIAL IDENTIFICATION NO.
- X AERIAL CROSSING MARKER
- PROPOSED STRUCTURE
- EXISTING STRUCTURE
- TREE
- ◇ RAILROAD MILE POST
- AERIAL MARKER BALL
- ↓ CONDUCTOR WEIGHT



- EXISTING TRANSMISSION LINE
- UNDERGROUND UTILITY LINES
- ABOVE GROUND UTILITY LINE (NON-TRANSMISSION)
- TRAIL - EXISTING
- TRAIL - NEW
- RIVER/LAKE EDGE
- POND/CREEK EDGE
- WATER WAKE LINES
- STATE LINE
- COUNTY LINE
- CITY/TOWN LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
- ROADS, LANES AND DRIVEWAYS
- RAILROAD
- DRAIN/DITCH
- FENCE
- PROPOSED CENTERLINE
- EDGE OF ROCK OUTCROP
- TREE LINE
- GUARD RAIL

- + PI INDICATES ANGLE DEFLECTION TO THE RIGHT
- PI INDICATES ANGLE DEFLECTION TO THE LEFT



SIDEHILL ELEVATIONS TO RIGHT OR LEFT OF CENTERLINE
RT=RIGHT LT=LEFT
DISTANCE AS NOTED

STRUCTURE DATA (SINGLE POLE) EXAMPLE

10 _____ STRUCTURE NUMBER
87+38.5 _____ STATIONING
OWNER _____ OWNERSHIP
CS17-2436 _____ DRAWING NUMBER
104FT-H1-16FT _____ STRUCTURE HEIGHT/CLASS/EMBEDMENT DEPTH
GALV _____ MATERIAL
2014 _____ INSTALL YEAR
NCI (50K) _____ INSULATOR
NORM _____ CONTAMINATION
RC _____ STRUCTURE TYPE
114-0000 _____ FOUNDATION DRAWING
GUYED STR _____ GUYED STRUCTURE
LAT: 40° 30' 32.479" N _____ LATITUDE
LONG: 85° 40' 26.512" W _____ LONGITUDE

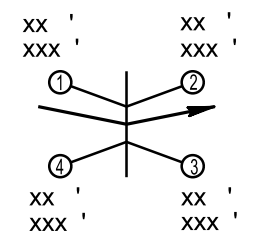
STRUCTURE DATA (MULTIPLE POLES) EXAMPLE

11 _____ STRUCTURE NUMBER
96+78.1 _____ STATIONING
OWNER _____ OWNERSHIP
CS38-2467 _____ DRAWING NUMBER
LT: 94FT-H4-16FT _____
CTR: 86FT-H2-14FT _____
RT: 94FT-H4-16FT _____
GALV _____ MATERIAL
2014 _____ INSTALL YEAR
NCI (50K) _____ INSULATOR
NORM _____ CONTAMINATION
DE _____ STRUCTURE TYPE
114-0000 _____ FOUNDATION DRAWING
GUYED STR _____ GUYED STRUCTURE
LAT: 40° 30' 30.239" N _____ LATITUDE
LONG: 85° 40' 38.317" W _____ LONGITUDE

STRUCTURE DATA (TOWER) EXAMPLE

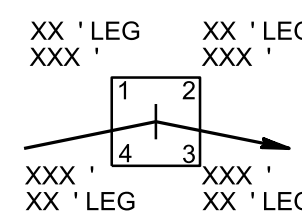
41 _____ STRUCTURE NUMBER
334+55.7 _____ STATIONING
OWNER _____ OWNERSHIP
T1DBG _____ TOWER TYPE
140FT _____ STRUCTURE HEIGHT
DARKENED _____ MATERIAL
2014 _____ INSTALL YEAR
NCI (50K) _____ INSULATOR
NORM _____ CONTAMINATION
SUSP _____ STRUCTURE TYPE
114-0000 _____ FOUNDATION DRAWING
POINTED _____ ARMS
CONC PIER _____ FOUNDATION TYPE
25' BODY _____ BODY EXTENSION
4-20FT LEGS _____ LEG EXTENSION
LAT: 40° 29' 35.399" N _____ LATITUDE
LONG: 85° 45' 36.714" W _____ LONGITUDE

- +PI INDICATES ANGLE DEFLECTION TO THE RIGHT.
- PI INDICATES ANGLE DEFLECTION TO THE LEFT.



GUY ANCHOR DEPTHS

DIAGRAM FOR GUYED V STRUCTURE SHOWING GUY LEADS AND GUY LENGTHS



WORKING LEG X
EXCESS EXCAVATION X.X'

DIAGRAM FOR SELF SUPPORTING TOWERS SHOWING LEG LENGTHS AND EXCAVATION AMOUNTS

LINE DATA TABLE

LENGTH OF LINE: 1,967.88 FEET, 0.35 MILES							
OVERHEAD SHIELD WIRE AND/OR OVERHEAD COMMUNICATION WIRE							
STRUCTURE RANGE	WIRE LOCATION	WIRE TYPE	NESC HEAVY LOADING	RULING SPAN (FT)	DISPLAY TEMP (°F)	OWNER	EQUIPMENT NUMBER
STR. K131-91-A TO STR. K131-1	LEFT	(1) 0.646 IN DIA. 96 FIBER OPGW	8,228 LBS	1542	0°	KPCO	TLN180-0K131
STR. K131-91-A TO STR. K131-1	RIGHT	(1) 0.646 IN DIA. 96 FIBER OPGW	8,087 LBS	1528	0°	KPCO	TLN180-0K131
STR. K131-1 TO STINNETT SUB	LEFT	(1) 0.646 IN DIA. 96 FIBER OPGW	3,608 LBS	278	0°	KPCO	TLN180-0K131
STR. K131-1 TO STINNETT SUB	RIGHT	(1) 0.646 IN DIA. 96 FIBER OPGW	2,561 LBS	217	0°	KPCO	TLN180-0K131

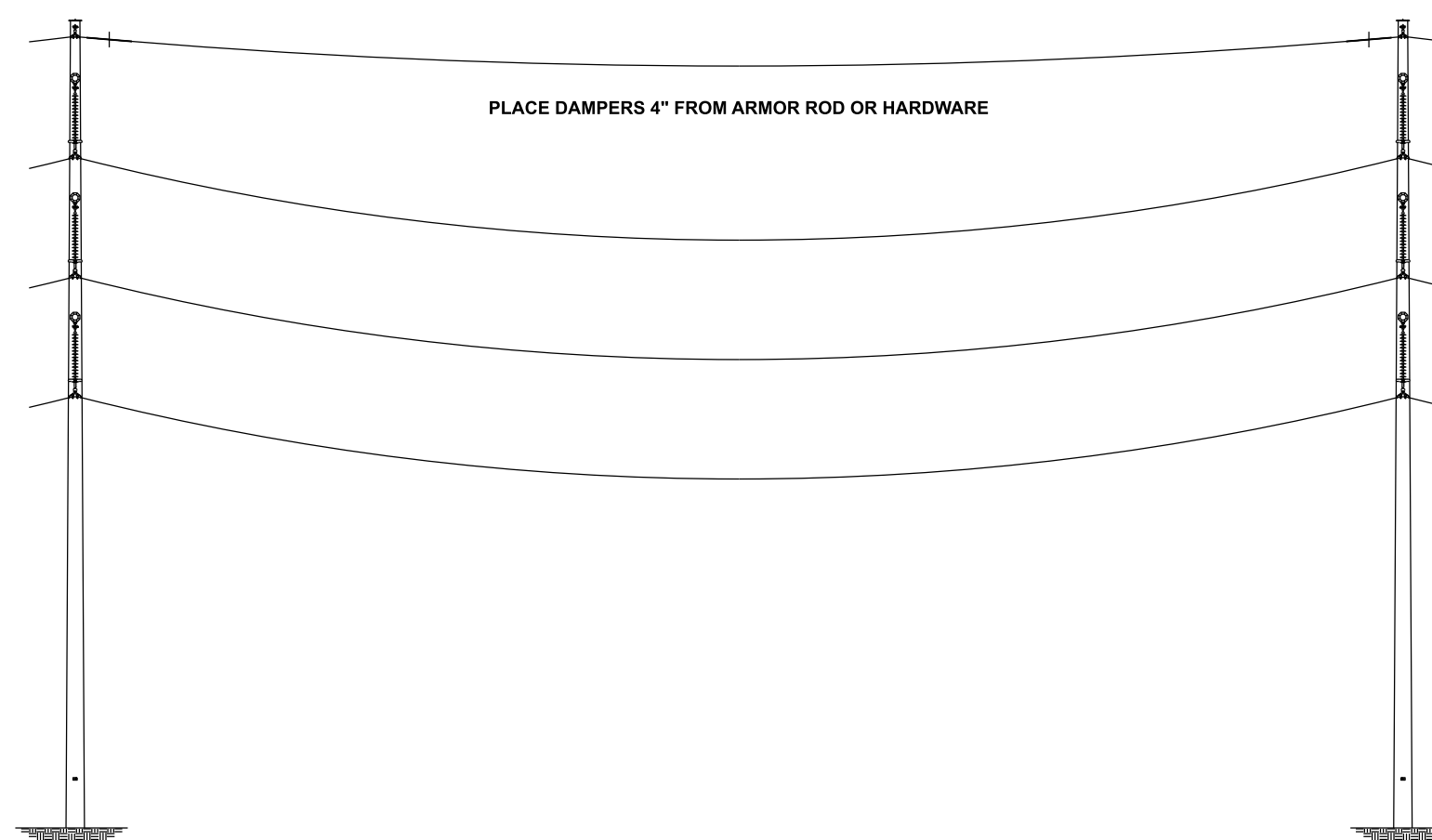
OVERHEAD CONDUCTORS							
STRUCTURE RANGE	CIRCUIT LOCATION	CONDUCTOR SIZE	NESC HEAVY LOADING	RULING SPAN	MOT (°F)	OWNER	EQUIPMENT NUMBER
STR. K131-91-A TO STR. K131-1	LEFT	(3) 795 KCMIL ACSR 45/7 "TERN"	EXISTING COND.	1542	284°	KPCO	TLN180-0K131
STR. K131-91-A TO STR. K131-1	RIGHT	(3) 795 KCMIL ACSR 45/7 "TERN"	EXISTING COND.	1528	284°	KPCO	TLN180-0K131
STR. K131-1 TO STINNETT SUB	LEFT	(3) 795 KCMIL ACSR 45/7 "TERN"	EXISTING COND.	255	284°	KPCO	TLN180-0K131
STR. K131-1 TO STINNETT SUB	RIGHT	(3) 795 KCMIL ACSR 45/7 "TERN"	EXISTING COND.	218	284°	KPCO	TLN180-0K131

REFER TO P&P FOR STRUCTURE OWNERSHIP

SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION				
STRUCTURE	OPGW SPLICE BOX LOCATION	PCS ANTENNA LOCATION	CONDUCTOR SPLICE LOCATION (AHEAD SPAN)	OWNER
K131-91-A	X			KPCO
STINNETT SUB	X			KPCO

SHIELD WIRE DAMPER INFORMATION



SPIRAL VIBRATION DAMPER TABLE					
STRUCTURE	LOCATION	QUANTITY IN AHEAD SPAN	VENDOR	VENDOR PART NUMBER	OWNER
K131-91-A	LT	2	PLP	5050203	KPCO
	RT	2	PLP	5050203	KPCO
K131-1	LT	1	PLP	5050203	KPCO
	RT	1	PLP	5050203	KPCO

CROSS REFERENCE PARTS LIST	
VENDOR PART #	AEP CAT ID'S
5050203	0500062688

NOTES:

1. SVDs MAY BE GROUPED TOGETHER IN SETS OF NO MORE THAN 3
2. SVDs MAY BE PLACED AT EITHER END OF THE SPAN OR ON BOTH ENDS
3. SVDs SHALL BE PLACED DIRECTLY ON CONDUCTOR OR SHIELD WIRE

STATE OF KENTUCKY
LESLIE COUNTY



REGISTRATION No.: 1647

ENG BY: DAM CHKD BY: BCM

DRN BY: JRA APP BY: SDB

DATE: 12/16/2025 R/W MAP NO: N/A

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KENTUCKY POWER COMPANY
STINNETT LOOP 161KV LINE

LEGEND, LINE DATA TABLE, GENERAL NOTES, SUPPLEMENTAL INFO, SHIELD WIRE DAMPER INFO, & PHASING DIAGRAM

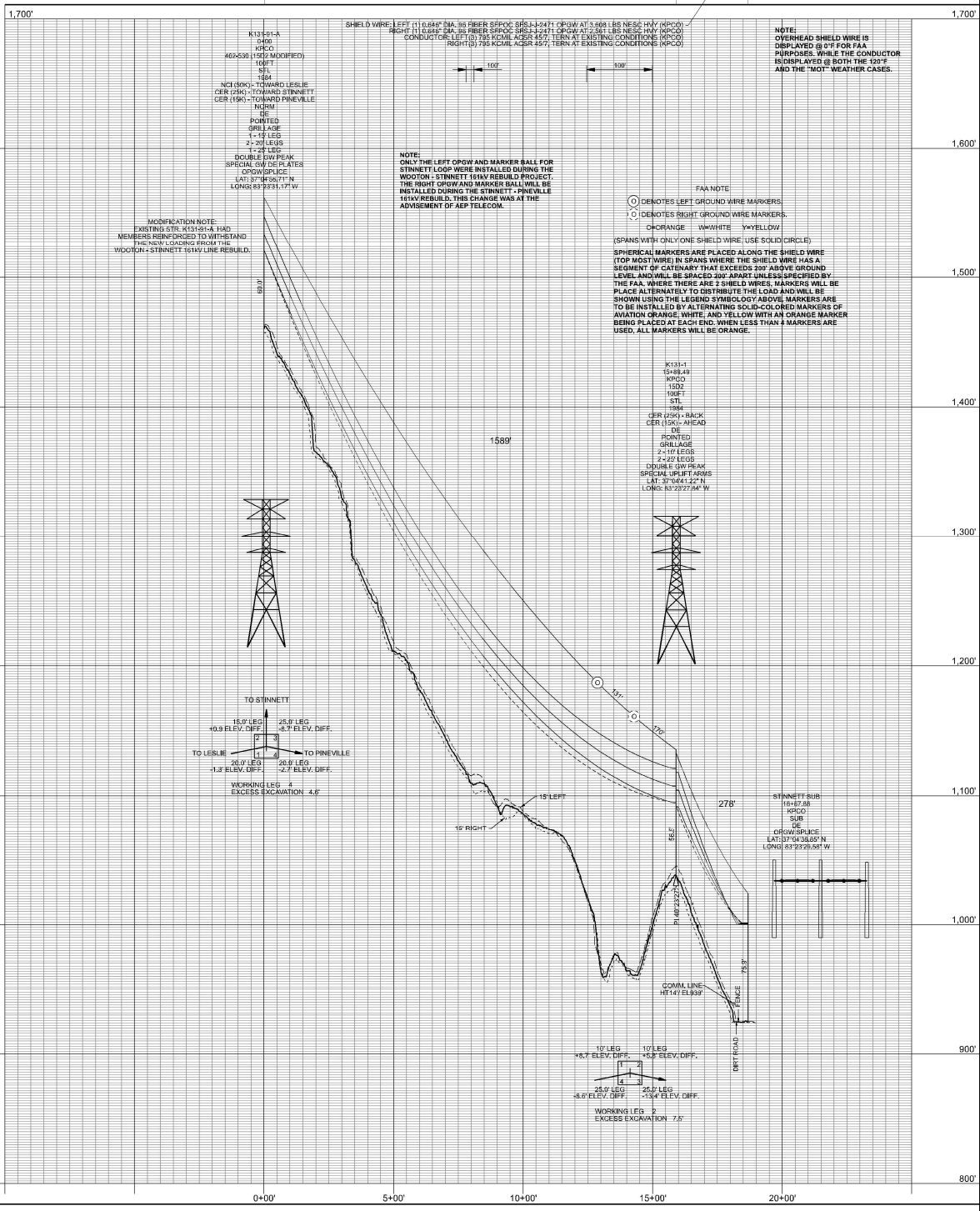
EQUIP: TLN180-0K131

DWG: 180-0K131S02

SHEET: 2 REV: 0

REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/16/2025	JRA

SHIELD WIRE LEFT (1) 0.664" DIA. 85 FIBER SPOC SFS-J-2471 OPGW AT 3.228 LBS NESC HVV (KPCO)
 RIGHT (1) 0.664" DIA. 85 FIBER SPOC SFS-J-2471 OPGW AT 3.361 LBS NESC HVV (KPCO)
 CONDUCTOR LEFT (3) 795 KCMIL ACSS 45/7 TERN AT EXISTING CONDITIONS (KPCO)
 RIGHT (3) 795 KCMIL ACSS 45/7 TERN AT EXISTING CONDITIONS (KPCO)



REVISION DESCRIPTION

0	ISSUED FOR RECORD
---	-------------------

DATE: 12/18/2025
 BY: BT

HORIZONTAL: 1" = 20'
 VERTICAL: 1" = 40'

STATE OF KENTUCKY
 LESLIE COUNTY



POWER ENGINEERS
 REGISTRATION NO.: 191

ENG BY: DMH
 DATE: 12/18/2025
 CHKD BY: BOB
 DATE: 12/18/2025

STINNETT LOOP 161KV LINE
 PLAN & PROFILE

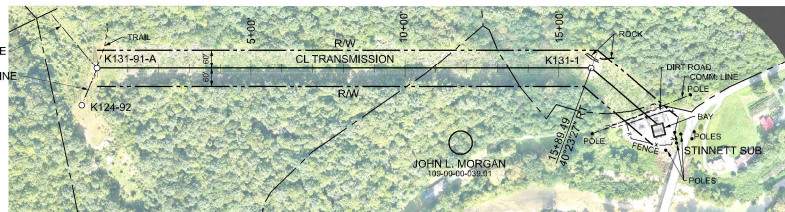
EQUIP: TLM 8604131
 DWG: 1942613198
 SHEET: 3 OF 9

LOUIS & CAROL BAKER
 195-09-09-038.00

ROLAND MUNCY HEIRS
 c/o GREG MUNCY
 195-09-09-038.00

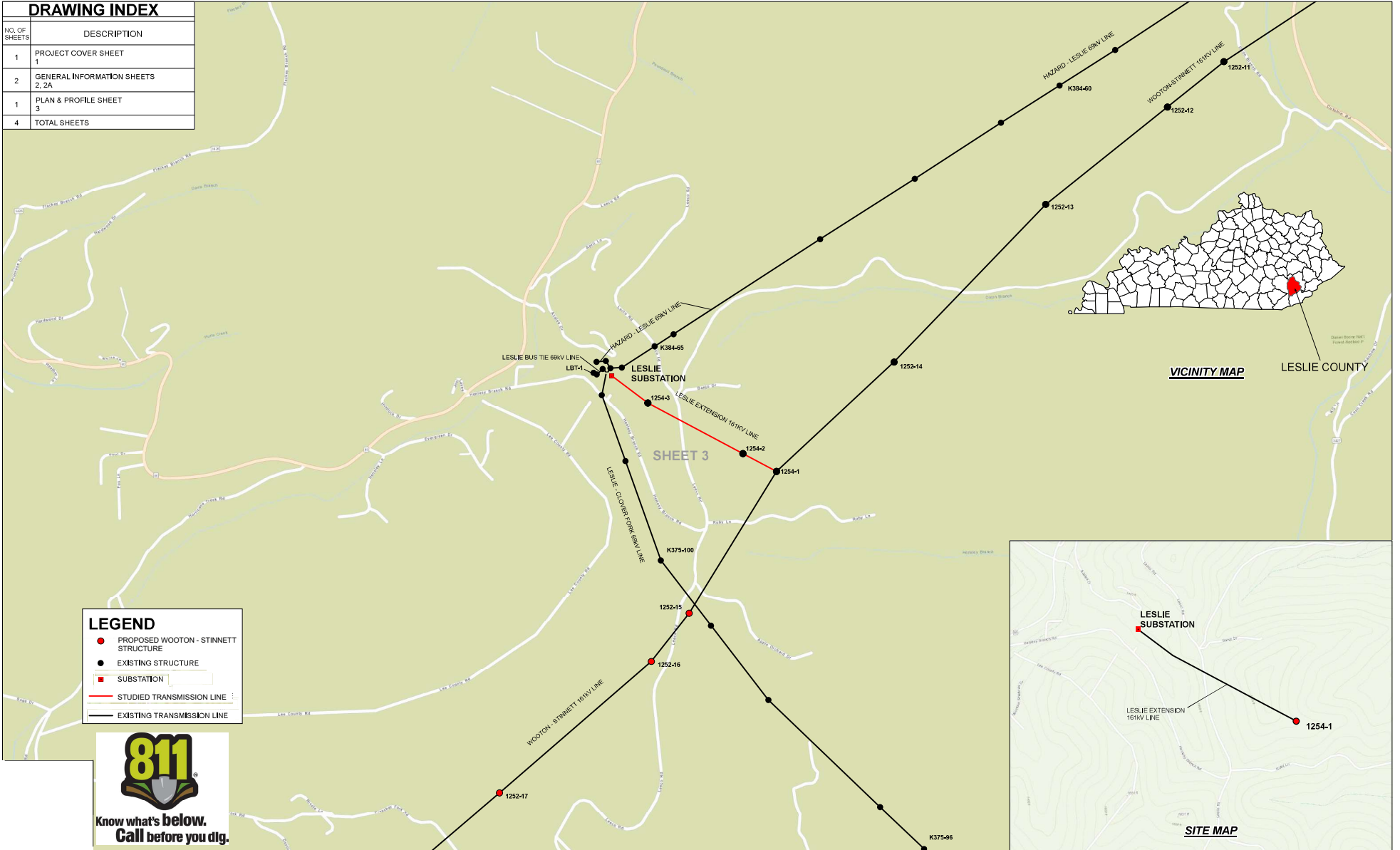
JOHN L. MORGAN
 195-09-09-038.00

WOOTON - STINNETT 161KV LINE
 HAZARD - PINEVILLE 161KV LINE



REFER TO GENERAL INFORMATION SHEETS FOR ADDITIONAL LINE DESIGN DATA, SHEET 2 FOR LEGEND, LINE DATA TABLE, GENERAL NOTES, SUPPLEMENTAL INFO, SHIELD WIRE DAMPER INFORMATION, AND PHASING DIAGRAM.

DRAWING INDEX	
NO. OF SHEETS	DESCRIPTION
1	PROJECT COVER SHEET
2	GENERAL INFORMATION SHEETS 2, 2A
1	PLAN & PROFILE SHEET 3
4	TOTAL SHEETS

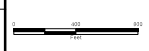


LEGEND	
●	PROPOSED WOOTON - STINNETT STRUCTURE
●	EXISTING STRUCTURE
	SUBSTATION
—	STUDIED TRANSMISSION LINE
—	EXISTING TRANSMISSION LINE



**Know what's below.
Call before you dig.**

REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/22/2024	PEI



STATE OF KENTUCKY
LESLIE COUNTY



POWER ENGINEERS
REGISTRATION NO.: 1847

ENG BY: DAM
CHKD BY: BCM
DRN BY: RS
APP BY: SOB
DATE: 06/01/2023
RAW MAP NO.: NA

KENTUCKY POWER COMPANY
LESLIE EXTENSION 161KV LINE
COVER SHEET

EQUIP: TLN180-01254
DWG: 180-01254S01
SHEET: 1 REV: 0

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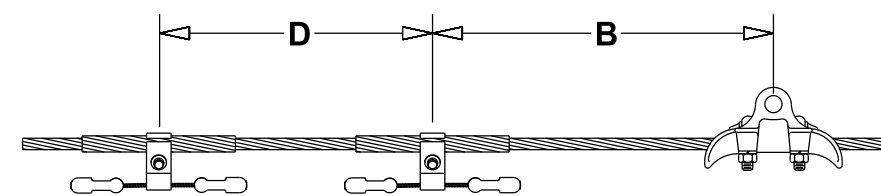
GENERAL INFORMATION SHEET

CONDUCTOR DAMPER INFORMATION

SHIELD WIRE DAMPER INFORMATION

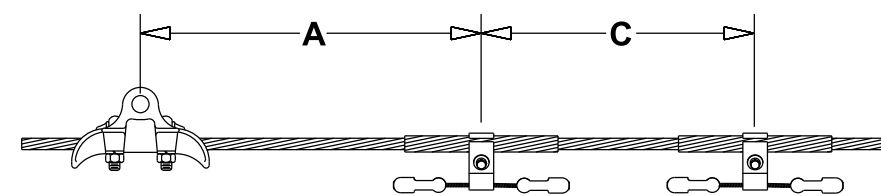
DAMPER PLACEMENT DRAWINGS
REFER TO THESE DRAWINGS WHEN LOOKING AT THE DAMPER PLACEMENT TABLE.
DAMPER WILL BE PLACED ON EACH WIRE AT EACH LOCATION.

SPAN BEHIND DWGS

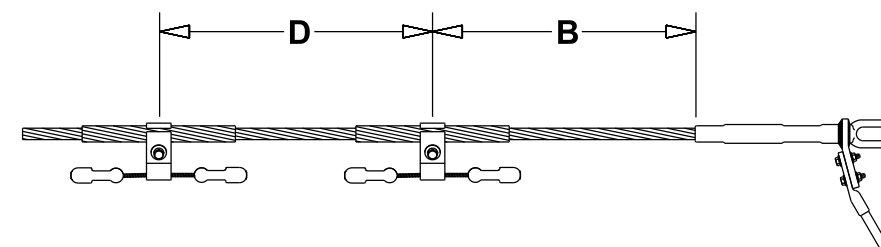


DETAIL 1

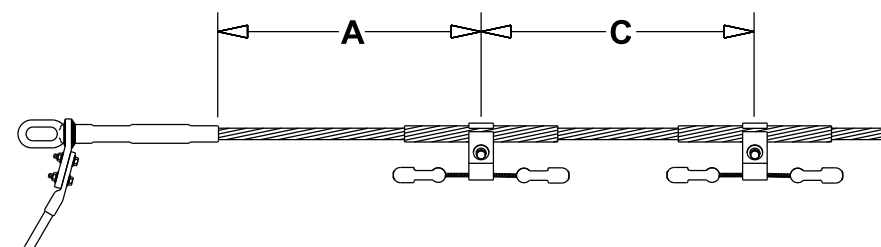
SPAN AHEAD DWGS



DETAIL 3



DETAIL 2

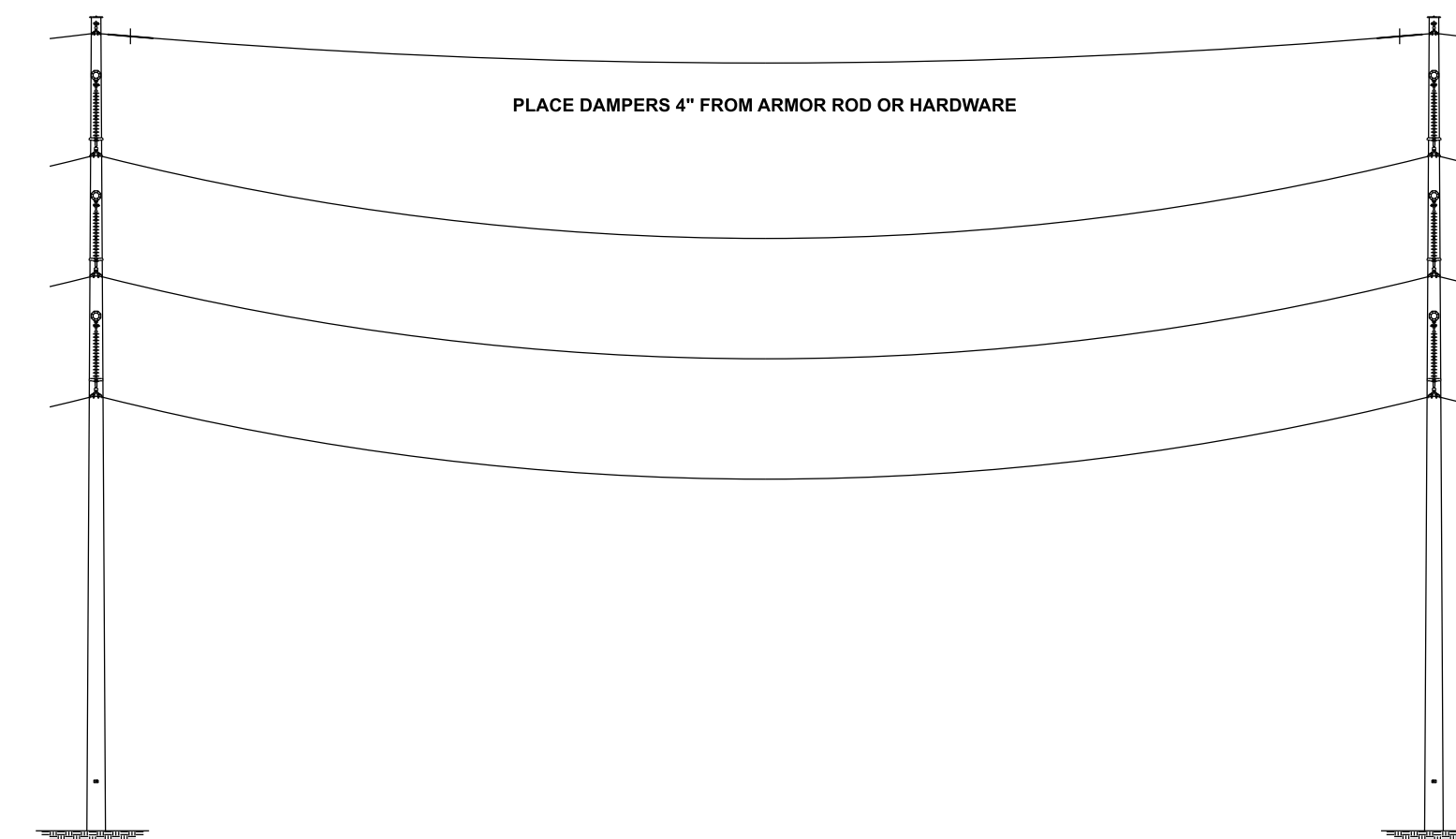


DETAIL 4

CONDUCTOR DAMPER PLACEMENT TABLE (LESLIE - STINNETT 161kV CIRCUIT)												
DAMPER PLACEMENT (INCH)					DETAIL	STRUCTURE TYPE (S or D)	VENDOR	VENDOR PART NUMBER				OWNER
SPAN BEHIND		SPAN AHEAD						D	B	A	C	
D	B	STRUCTURE	A	C								
		1254-1				D	PLP					KPCO
	53	1254-2	53	25	1, 3	S	PLP	VSD-4032	VSD-4032	VSD-4032		KPCO
		1254-3				D	PLP					KPCO

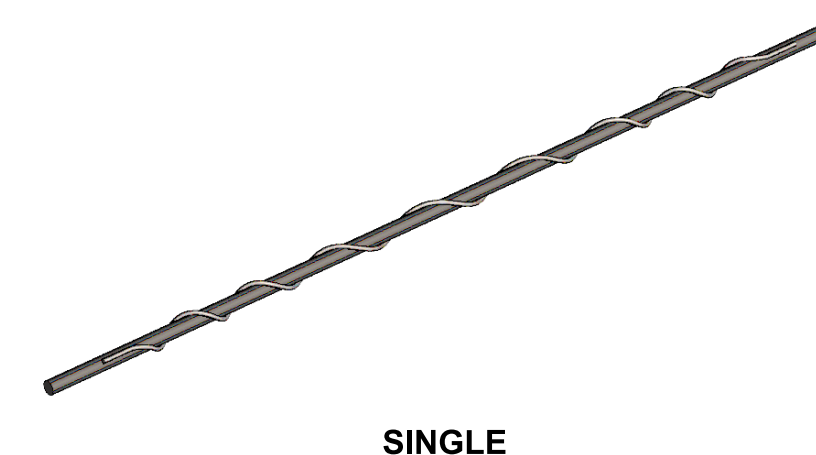
CROSS REFERENCE PARTS LIST	
VENDOR	AEP CAT ID's
5050203	0500062688

CONDUCTOR DAMPER PLACEMENT TABLE (LESLIE - WOOTON 161kV CIRCUIT)												
DAMPER PLACEMENT (INCH)					DETAIL	STRUCTURE TYPE (S or D)	VENDOR	VENDOR PART NUMBER				OWNER
SPAN BEHIND		SPAN AHEAD						D	B	A	C	
D	B	STRUCTURE	A	C								
		1254-1				D	PLP					KPCO
	53	1254-2	53	25	1, 3	S	PLP	VSD-4032	VSD-4032	VSD-4032		KPCO
		1254-3				D	PLP					KPCO



CROSS REFERENCE PARTS LIST	
VENDOR	AEP CAT ID's

SPIRAL VIBRATION DAMPER TABLE					
STRUCTURE	LOCATION	QUANTITY IN AHEAD SPAN	VENDOR	VENDOR PART NUMBER	OWNER
1254-1	LT	1	PLP	5050203	KPCO
	RT	1	PLP	5050203	KPCO
1254-2	LT	2	PLP	5050203	KPCO
	RT	2	PLP	5050203	KPCO
1254-3	LT	1	PLP	5050203	KPCO
	RT	1	PLP	5050203	KPCO



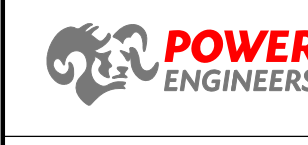
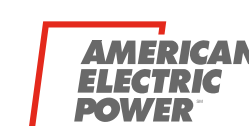
SINGLE



GROUP OF 3

- NOTES:
1. SVDs MAY BE GROUPED TOGETHER IN SETS OF NO MORE THAN 3
 2. SVDs MAY BE PLACED AT EITHER END OF THE SPAN OR ON BOTH ENDS
 3. SVDs SHALL BE PLACED DIRECTLY ON CONDUCTOR OR SHIELD WIRE

REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/22/2024	JRA



REGISTRATION No.: 1647

ENG BY: DAM	CHKD BY: BCM
DRN BY: JRA	APP BY: SDB
DATE: 06/01/2023	R/W MAP NO: N/A

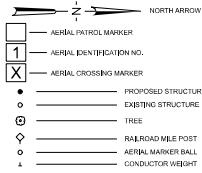
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KENTUCKY POWER COMPANY
LESLIE EXTENSION 161kV LINE
CONDUCTOR & SHIELD WIRE DAMPER INFORMATION

EQUIP: TLN180:01254
DWG: 180-01254S02A
SHEET: 2A REV: 0

GENERAL INFORMATION SHEET

PLAN & PROFILE LEGEND



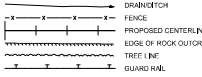
STRUCTURE DATA (SINGLE POLE) EXAMPLE

10	STRUCTURE NUMBER
87+38.5	STATIONING
OWNER	OWNER
CS1742436	DRAWING NUMBER
104FT-H1-16FT	STRUCTURE HEIGHT/CLASS/EMBEDMENT DEPTH
GALV	MATERIAL
2014	INSTALL YEAR
NCI (50K)	INSULATOR
NORM	CONTAMINATION
RC	STRUCTURE TYPE
114-0000	FOUNDATION DRAWING
GUYED STR	CONDUCTOR STRUCTURE
LAT: 40° 30' 32.479" N	LATITUDE
LONG: 85° 40' 26.512" W	LONGITUDE



STRUCTURE DATA (MULTIPLE POLES) EXAMPLE

11	STRUCTURE NUMBER
96+78.1	STATIONING
OWNER	OWNER
CS30-2467	DRAWING NUMBER
LT: 94FT-H4-16FT	LEFT STRUCTURE HEIGHT/CLASS/EMBEDMENT DEPTH
CTR: 86FT-H2-14FT	CENTER STRUCTURE HEIGHT/CLASS/EMBEDMENT DEPTH
RT: 94FT-H4-16FT	RIGHT STRUCTURE HEIGHT/CLASS/EMBEDMENT DEPTH
GALV	MATERIAL
2014	INSTALL YEAR
NCI (50K)	INSULATOR
NORM	CONTAMINATION
DE	STRUCTURE TYPE
114-0000	FOUNDATION DRAWING
GUYED STR	GUYED STRUCTURE
LAT: 40° 30' 30.239" N	LATITUDE
LONG: 85° 40' 38.317" W	LONGITUDE



STRUCTURE DATA (TOWER) EXAMPLE

41	STRUCTURE NUMBER
334+55.7	STATIONING
OWNER	OWNER
T1DBG	TOWER TYPE
140FT	STRUCTURE HEIGHT
DARKENED	MATERIAL
2014	INSTALL YEAR
NCI (50K)	INSULATOR
NORM	CONTAMINATION
SUSP	STRUCTURE TYPE
114-0000	FOUNDATION DRAWING
POINTED	ARM
CONC PIER	FOUNDATION TYPE
25 BODY	BODY EXTENSION
4-20 LEGS	LEG EXTENSION
LAT: 40° 29' 35.399" N	LATITUDE
LONG: 85° 45' 36.714" W	LONGITUDE

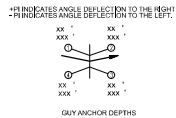
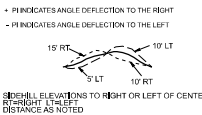


DIAGRAM FOR GUYED V STRUCTURE SHOWING GUY LEADS AND GUY LENGTHS

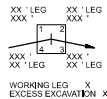


DIAGRAM FOR SELF SUPPORTING TOWERS SHOWING LEG LENGTHS AND EXCAVATION AMOUNTS

LINE DATA TABLE

LENGTH OF LINE: 1,852.46 FEET, 0.31 MILES

OVERHEAD SHIELD WIRE AND/OR OVERHEAD COMMUNICATION WIRE						
STRUCTURE RANGE	WIRE LOCATION	WIRE TYPE	NESC HEAVY LOADING	RULING SPAN (FT)	DISPLAY TEMP (°F)	EQUIPMENT NUMBER
STR. 1254-1 TO STR. 1254-3	LEFT	(1) 0.646 IN DIA. 30 FIBER OPGW	5,468 LBS	529	0"	KPCO TLN180-01254
STR. 1254-1 TO STR. 1254-3	RIGHT	(1) 0.646 IN DIA. 30 FIBER OPGW	5,462 LBS	827	0"	KPCO TLN180-01254
STR. 1254-3 TO LESLIE SUB	LEFT	(1) 0.646 IN DIA. 30 FIBER OPGW	2,801 LBS	344	0"	KPCO TLN180-01254
STR. 1254-3 TO LESLIE SUB	RIGHT	(1) 0.646 IN DIA. 30 FIBER OPGW	2,818 LBS	322	0"	KPCO TLN180-01254

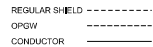
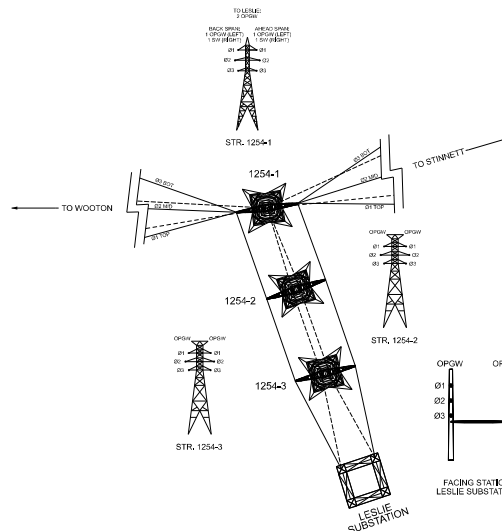
OVERHEAD CONDUCTORS						
STRUCTURE RANGE	CIRCUIT LOCATION	CONDUCTOR SIZE	NESC HEAVY LOADING	RULING SPAN (FT)	MOT (°F)	EQUIPMENT NUMBER
STR. 1254-1 TO STR. 1254-3	LEFT	(3) 795 KCMIL ACSR 267 "DRAKE"	9,000 LBS	829	302"	KPCO TLN180-01254
STR. 1254-1 TO STR. 1254-3	RIGHT	(3) 795 KCMIL ACSR 267 "DRAKE"	9,000 LBS	827	302"	KPCO TLN180-01254
STR. 1254-3 TO LESLIE SUB	LEFT	(3) 795 KCMIL ACSR 267 "DRAKE"	4,000 LBS	344	302"	KPCO TLN180-01254
STR. 1254-3 TO LESLIE SUB	RIGHT	(3) 795 KCMIL ACSR 267 "DRAKE"	4,000 LBS	322	302"	KPCO TLN180-01254

REFER TO P&P FOR STRUCTURE OWNERSHIP

PHASING DIAGRAM

PHASING TO BE VERIFIED BY FIELD PERSONNEL

- NOTES:
- THE PHASING DIAGRAM IS ORIENTED LOOKING AHEAD TOWARDS INCREASING STRUCTURE NUMBERS UNLESS OTHERWISE NOTED.
 - PHASING SHOWN APPLIES ONLY TO AEP FACILITIES.
 - OWNERSHIP IS NOT REFLECTED IN THIS DIAGRAM.



GENERAL NOTES

COORDINATE SYSTEM:
NAD83 KENTUCKY SOUTH STATE PLANE, SOUTHERN ZONE, US FOOT

UTILITY PROTECTION SERVICE:
CONTACT THE UTILITIES PROTECTION SERVICE, 8-11 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS (EXCLUDING WEEKENDS AND LEGAL HOLIDAYS) BEFORE BEGINNING ANY DIGGER PROJECT.

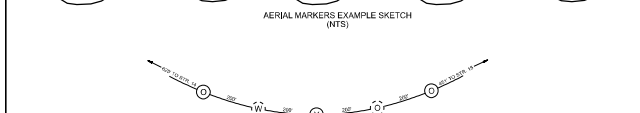
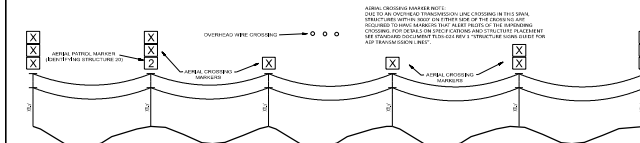
FORESTRY NOTE:
THIS SYMBOL WILL BE SHOWN AT THE TOP OF THE SHEET BELOW THE CONDUCTOR INFORMATION AND WILL INDICATE WHICH SECTIONS AND CONDUCTOR SPANS EXCEED 100 FEET CLEARANCE FROM THE MOT CURVE TO THE HIGH SIDE HILL OR TO THE PROFILE WHEN THERE IS NO SIDE HILL.

AERIAL PATROL MARKERS

AERIAL PATROL MARKERS ARE LOCATED AT THE TOP OF A STRUCTURE AND ARE USED DURING AERIAL INSPECTIONS TO INDICATE THE STRUCTURE NUMBERS OF A TRANSMISSION LINE TO THOSE FLYING THE LINE. ONLY STRUCTURE NUMBERS ENDING IN A ZERO OR A FIVE WILL HAVE THESE MARKERS. ALL STRUCTURES ENDING IN FIVE WILL BE INDICATED USING A BLANK MARKER. (E.G. STR. 10 = 1, STR. 15 = BLANK, STR. 20 = 2, 350 = 35) EACH P&P SHEET HAVING STRUCTURES REQUIRING AERIAL PATROL MARKERS WILL HAVE THEM DISPLAYED ABOVE THE STRUCTURE IN THE PROFILE VIEW OF THE P&P SHEET. (SEE EXAMPLE BELOW) FOR DETAILS ON SPECIFICATIONS AND STRUCTURE PLACEMENT SEE STANDARD DOCUMENT TLD-024 "STRUCTURE SIGNS GUIDE FOR AEP TRANSMISSION LINES".

AERIAL CROSSING MARKERS

AERIAL CROSSING MARKERS ARE USED DURING AERIAL INSPECTIONS TO ALERT THE INSPECTION TEAM OF AN APPROACHING OVERHEAD TRANSMISSION LINE CROSSING AND ARE INDICATED USING AN "X". ALL STRUCTURES WITHIN 3000' ON EITHER SIDE OF THE OVERHEAD CROSSING WHICH WILL HAVE 3 "X" STRUCTURES BETWEEN 1500' TO 3000' SHALL HAVE 3 "X" AT A MINIMUM OF 4 STRUCTURES. EACH P&P SHEET HAVING STRUCTURES REQUIRING AERIAL CROSSING MARKERS WILL HAVE THEM DISPLAYED ABOVE THE STRUCTURE IN THE PROFILE VIEW OF THE P&P SHEET. (SEE EXAMPLE BELOW) FOR DETAILS ON SPECIFICATIONS AND STRUCTURE PLACEMENT, SEE STANDARD DOCUMENT TLD-024 REV 1 "STRUCTURE SIGNS GUIDE FOR AEP TRANSMISSION LINES".



FAA MARKERS NOTE:
SPHERICAL MARKERS ARE PLACED ALONG THE SHIELD WIRE (TOP MOST WIRE) IN SPANS WHERE THE SHIELD WIRE EXCEEDS 200' AGL FROM THE LOW SIDE HILL. ON THE PROFILE WHEN THERE IS NO SIDE HILL, THEY WILL BE SPACED 200' APART UNLESS SPECIFIED BY THE FAA. WHERE THERE ARE 2 SHIELD WIRES, MARKERS WILL BE PLACED ALTERNATELY TO DISTRIBUTE THE LOAD. (SEE EXAMPLE ABOVE) MARKERS ARE TO BE INSTALLED BY ALTERNATING SOLID-COLORED MARKERS OF ALUMINUM ORANGE, WHITE, AND YELLOW WITH AN ORANGE MARKER BEING PLACED AT EACH END, WHEN LESS THAN 4 MARKERS ARE USED, ALL MARKERS WILL BE ORANGE.

SUPPLEMENTAL INFORMATION

SUPPLEMENTAL INFORMATION				
STRUCTURE	OPGW SPUR LOCATION	PCS ANTENNA LOCATION	CONDUCTOR SPLICING LOCATION (AHEAD SPAN)	OWNER
1254-1	X			KPCO

REV	REVISION DESCRIPTION	DATE	BY
0	ISSUED FOR RECORD	12/22/2024	JRA

STATE OF KENTUCKY
LESLIE COUNTY



ENG BY: DAM
CHKD BY: BCM
DRN BY: JRA
APP BY: SOB
REGISTRATION No.: 1647
DATE: 06/01/2023
R/W MAP N/A
NO.

KENTUCKY POWER COMPANY
LESLIE EXTENSION 161KV LINE
LEGEND, LINE DATA TABLE, GENERAL NOTES, SUPPLEMENTAL INFORMATION & PHASING DIAGRAM
EQUIP: TLN18001254
DWG: 180-01254302
SHEET: 2 REV: 0

