

Schedule JDW-D1



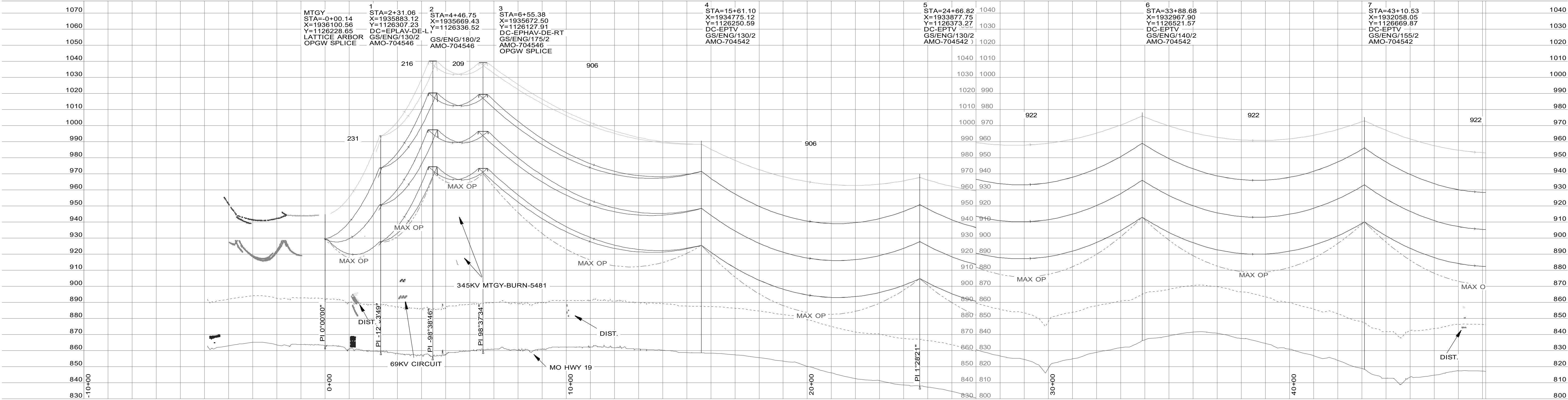
WIRE INFORMATION

MTGY TO 3
OPGW: (2) DNO-11706, 1,000# @ NESC HEAVY (250B), INITIAL
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 2,000# @ NESC HEAVY (250B), INITIAL
3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:

1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.

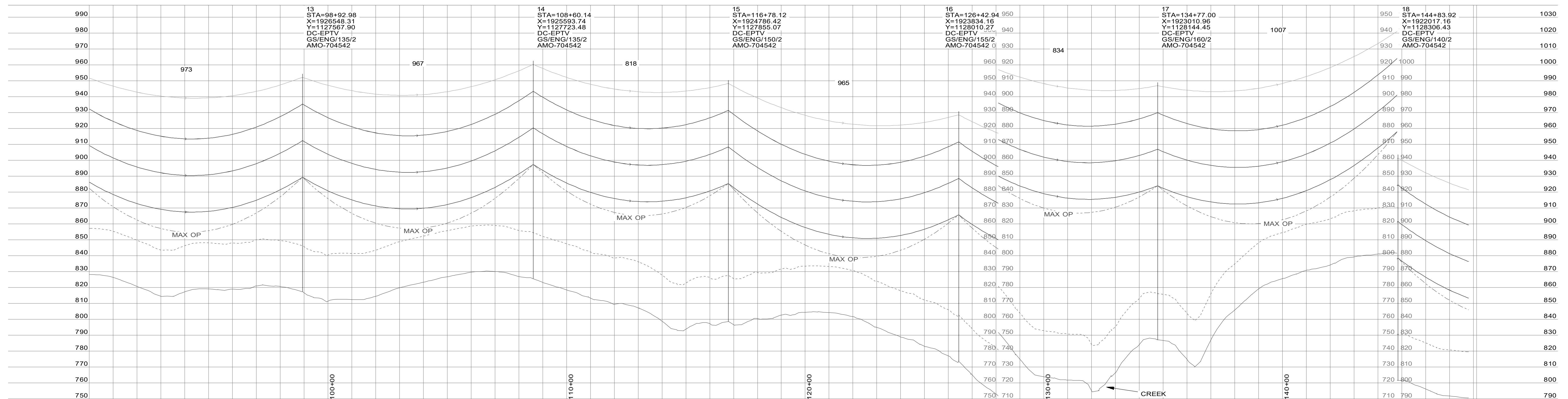
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



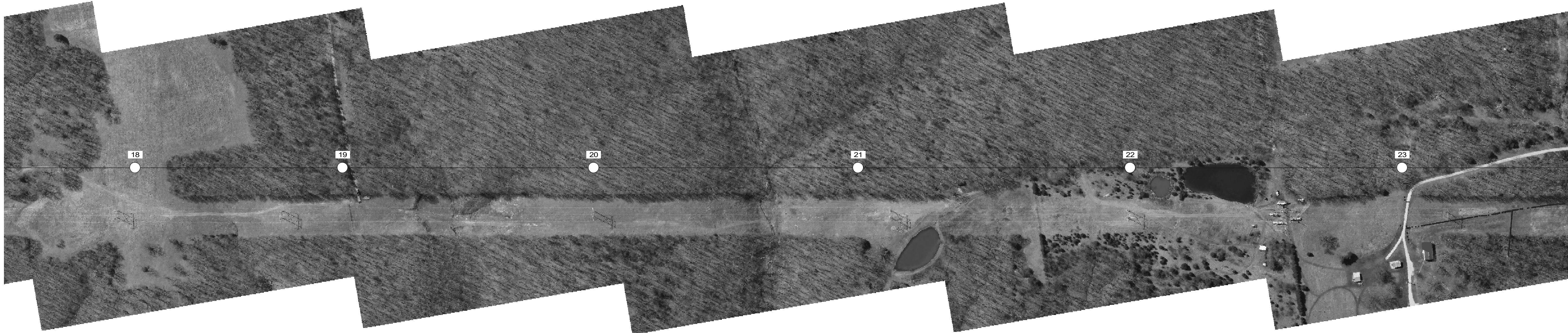
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH	AMEREN	MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES
REV	000AA	ENG	MJL	RVW	BRM	DATE	8/15/2025			SHEET 1 OF 30

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



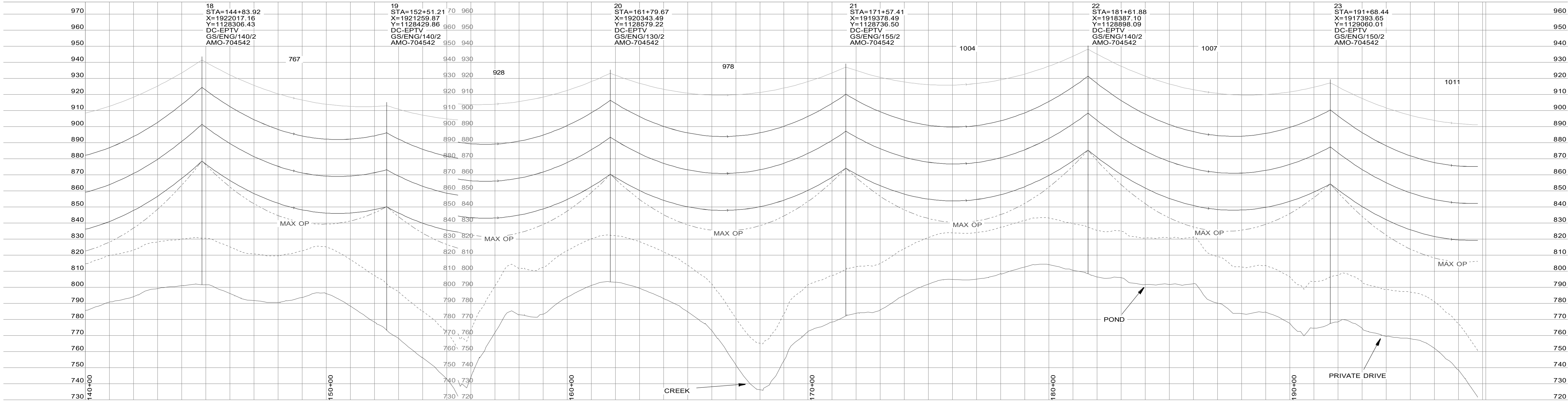
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT OR THE DESIGN. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND/OR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER SHEET 3 OF 30		
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		REV 000AA ENG RVW MJL BRM		
										DATE 8/15/2025		



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



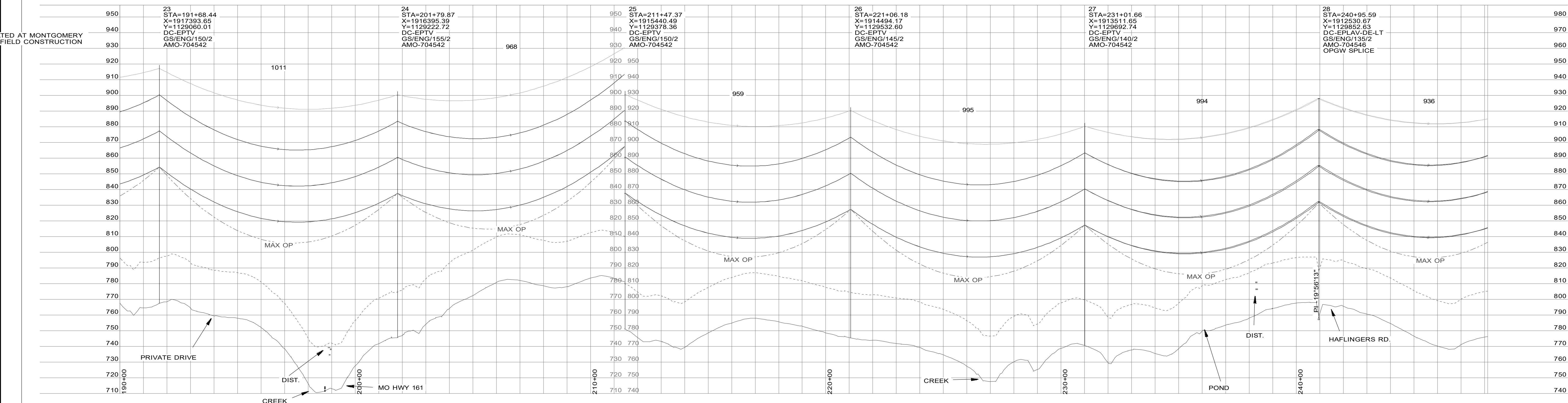
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND		GROUND PROFILE LEGEND		SCALE		NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL	MAXIMUM OPERATING TEMP	CENTERLINE	RIGHT SIDE PROFILE	200.0 FT.	HORIZ. SCALE	NORTH		MTGY-BURN-5515 & 5527			
							LEFT SIDE PROFILE	30.0 FT.	VERT. SCALE	345KV TRANSMISSION LINES						
							CLEARANCE PROFILE			PLAN & PROFILE SKETCHES						
										SHEET 4 OF 30						



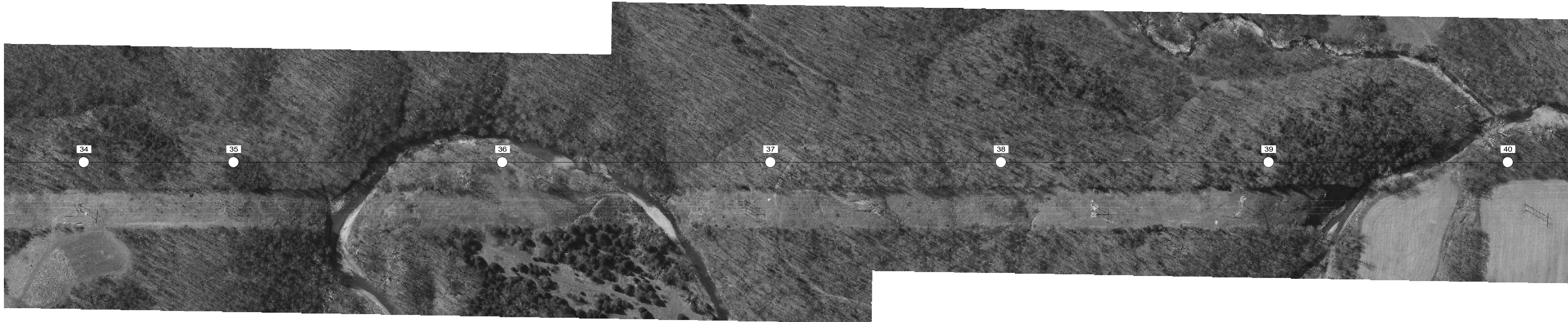
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



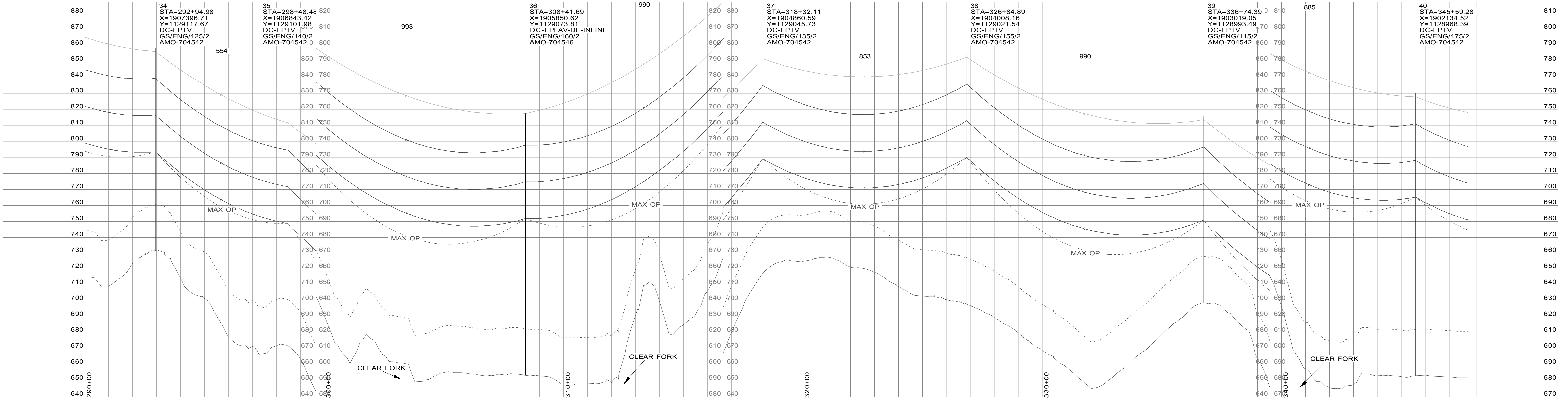
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	 MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER SHEET 5 OF 30			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		REV 000AA ENG RVW MJL BRM			
										DATE 8/15/2025			



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



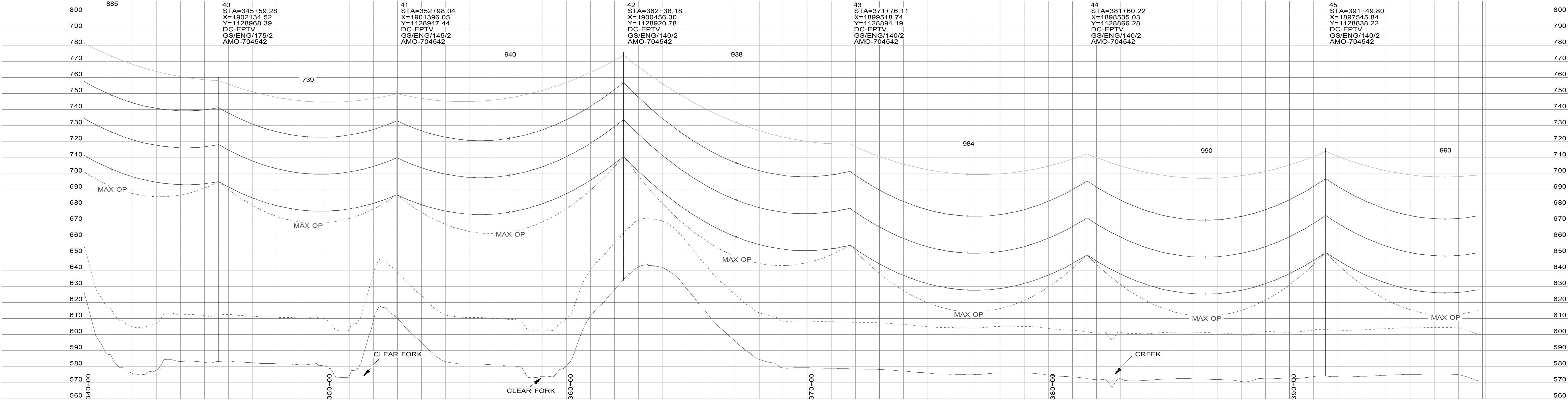
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	————— 60°F, FINAL ----- MAXIMUM OPERATING TEMP	————— CENTERLINE ----- RIGHT SIDE PROFILE ----- LEFT SIDE PROFILE ----- CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	H I R O N ↓	 REV000AAENG DATE8/15/2025RVW MJL BRM	SHEET 7 OF 30			



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

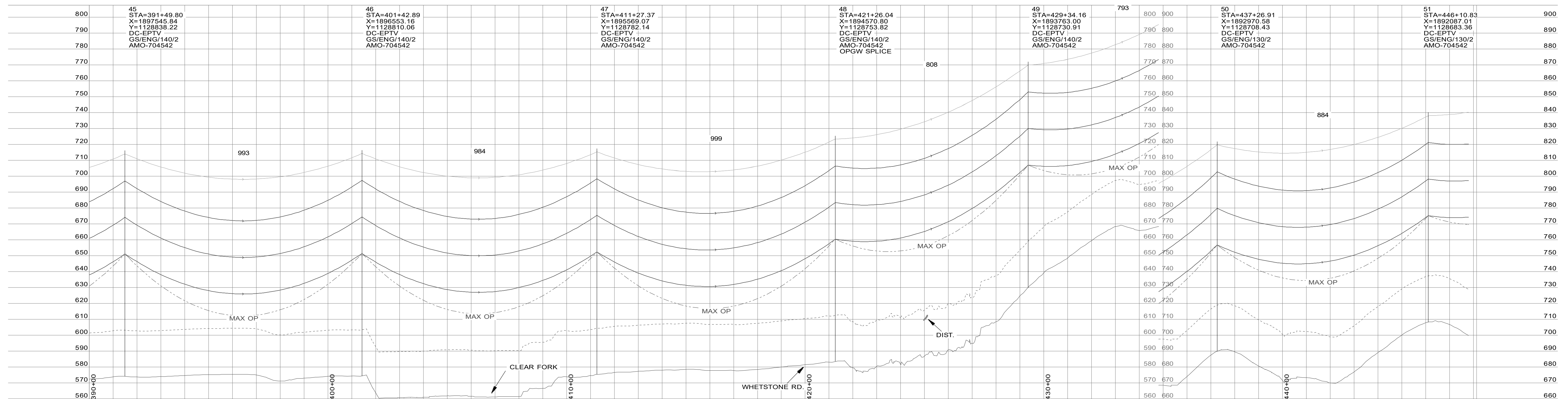
NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION		ENG	RVW	WIRE LEGEND		GROUND PROFILE LEGEND		SCALE		NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.		 PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER SHEET 8 OF 30	
000AA	8/15/2025	ISSUE FOR BID		MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP		CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE		200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE		H I R O N </				

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



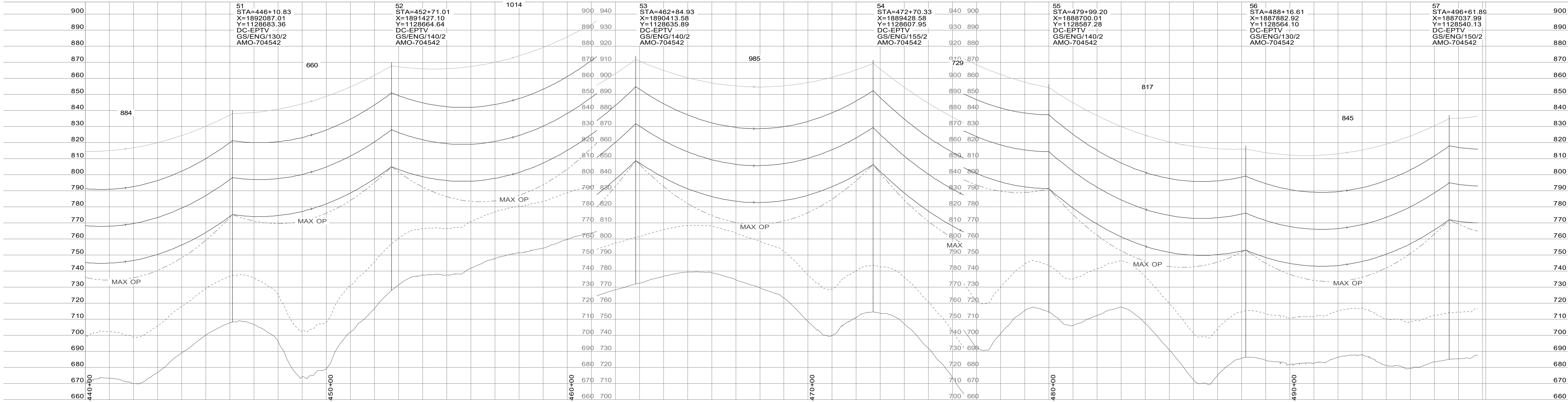
REV	DATE	DESCRIPTION	ENG	Rvw	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.		PLAN & PROFILE TITLE					
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F. FINAL	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH			REV	000AA	ENG	MJL	MTGY-BURN-5515 & 5527	
				Rvw	BRM	345KV TRANSMISSION LINES										
											PLAN & PROFILE SKETCHES					
											PLAN & PROFILE NUMBER					
											SHEET 9 OF 30					
DATE	8/15/2025															



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



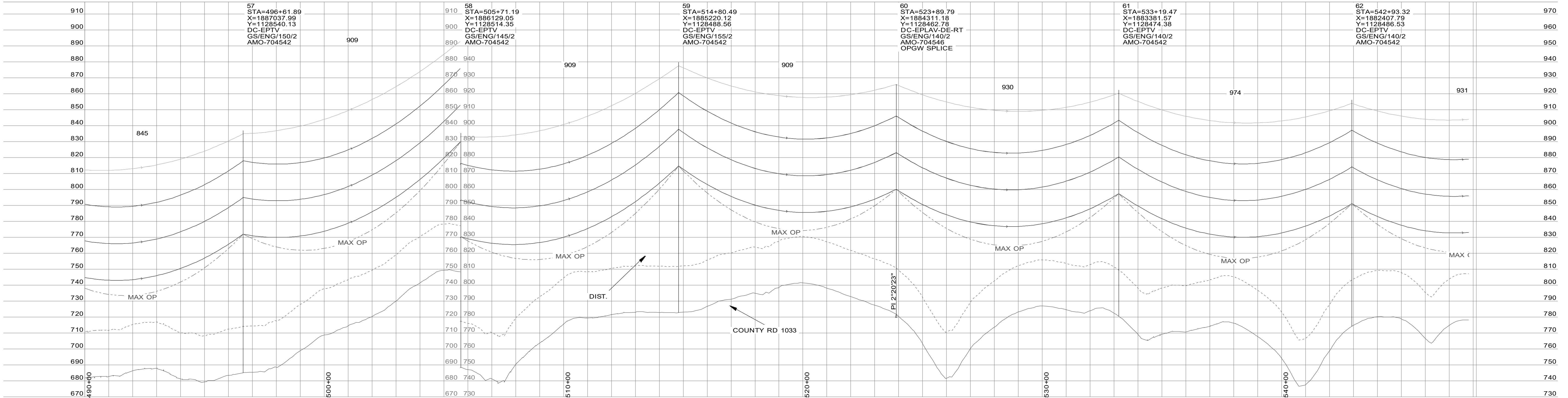
REV	DATE	DESCRIPTION		ENG	RVW	WIRE LEGEND		GROUND PROFILE LEGEND		SCALE		NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.						PLAN & PROFILE TITLE	
000AA	8/15/2025	ISSUE FOR BID		MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP		CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE		200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE		NORTH ↓					MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
REV	000AA	ENG	MJL	PLAN & PROFILE NUMBER																
DATE	8/15/2025	RVW	BRM																	
				SHEET 10 OF 30																



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F. LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F. LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



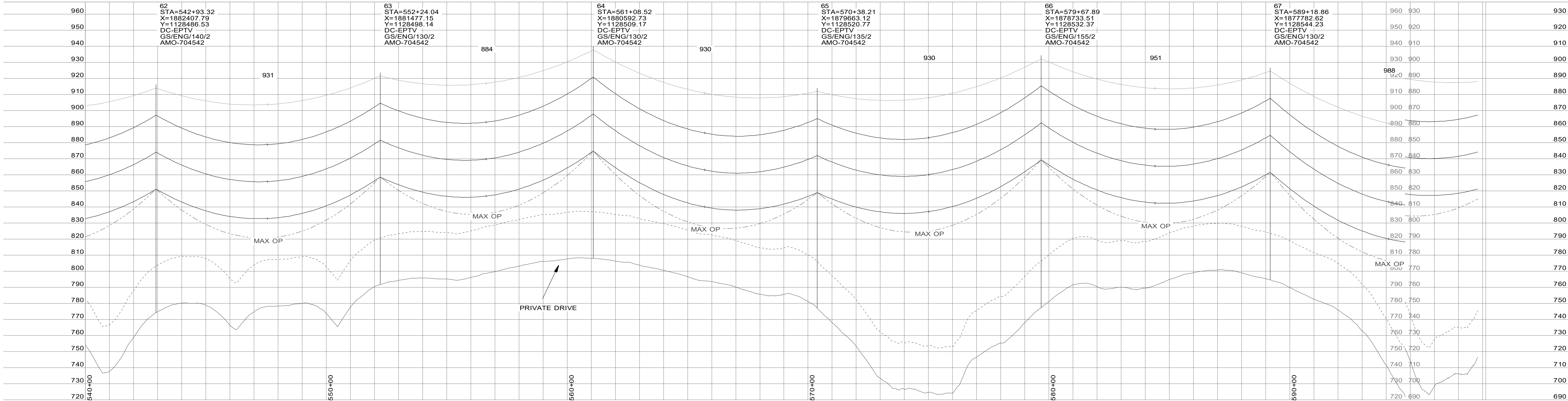
REV	DATE	DESCRIPTION		ENG	RVW	WIRE LEGEND		GROUND PROFILE LEGEND		SCALE		NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.		 PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER SHEET 11 OF 30		
000AA	8/15/2025	ISSUE FOR BID		MJL	BRM	60°F. FINAL MAXIMUM OPERATING TEMP		CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE		200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE		H U R O N </					



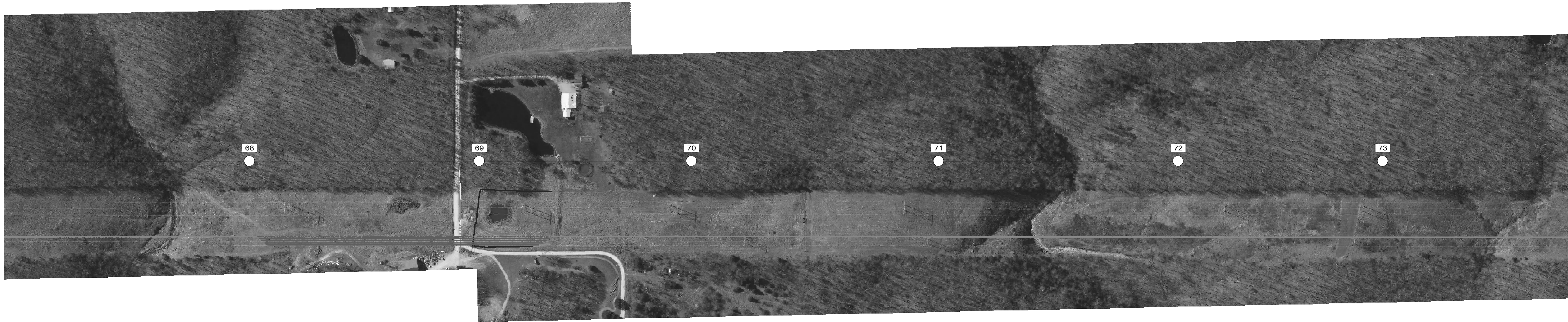
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



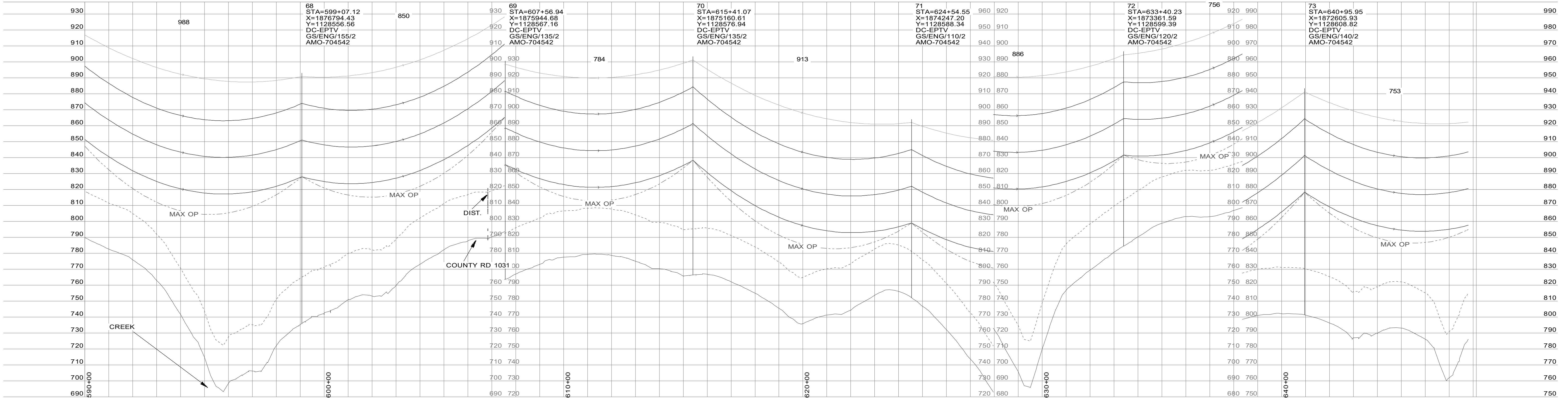
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE				
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	H U R O N ↓			MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
REV	000AA	ENG	MJL	RVW	BRM	PLAN & PROFILE NUMBER								
DATE	8/15/2025				SHEET 12 OF 30									



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

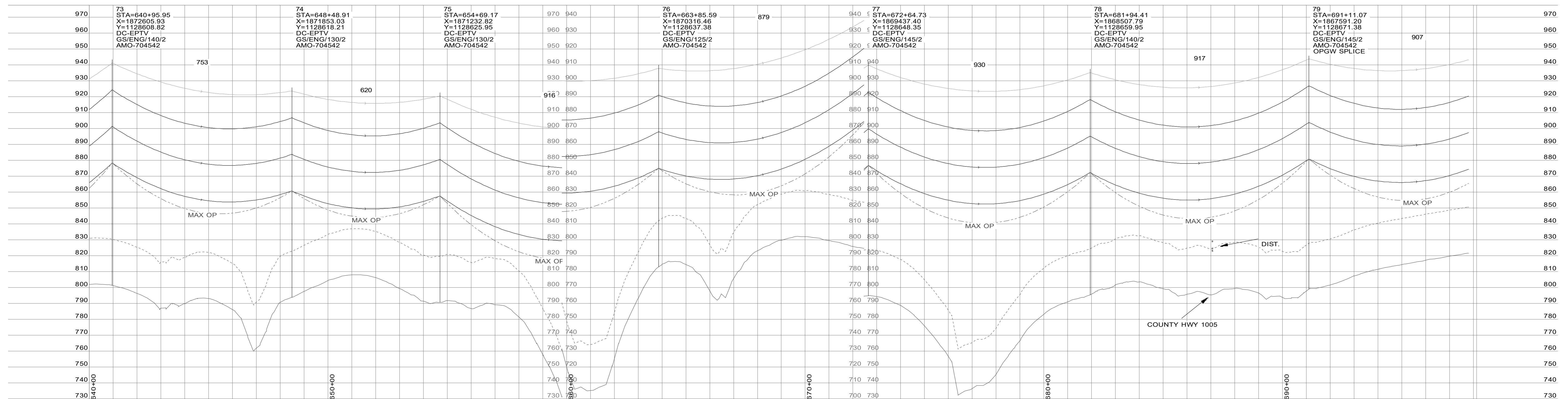
NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



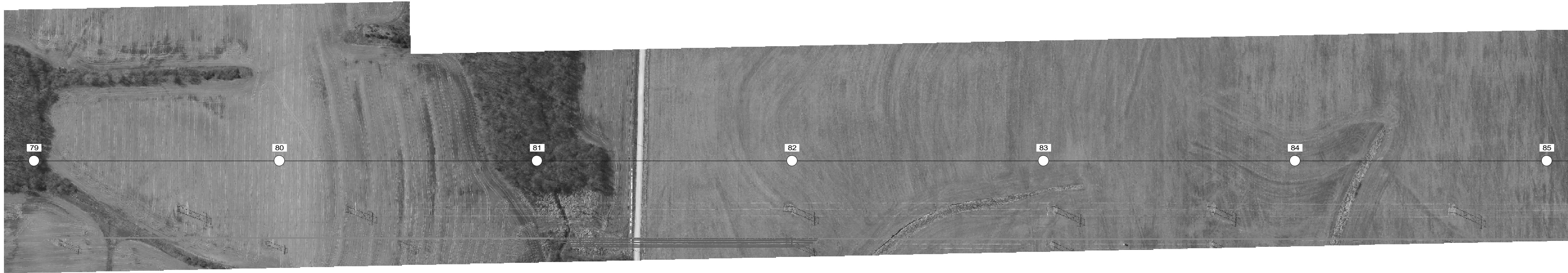
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL RIGHT SIDE PROFILE MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	H U R O N		 REV000AAENG DATE8/15/2025RVWMJL BRM	MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES		
											PLAN & PROFILE NUMBER		
											SHEET 13 OF 30		

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



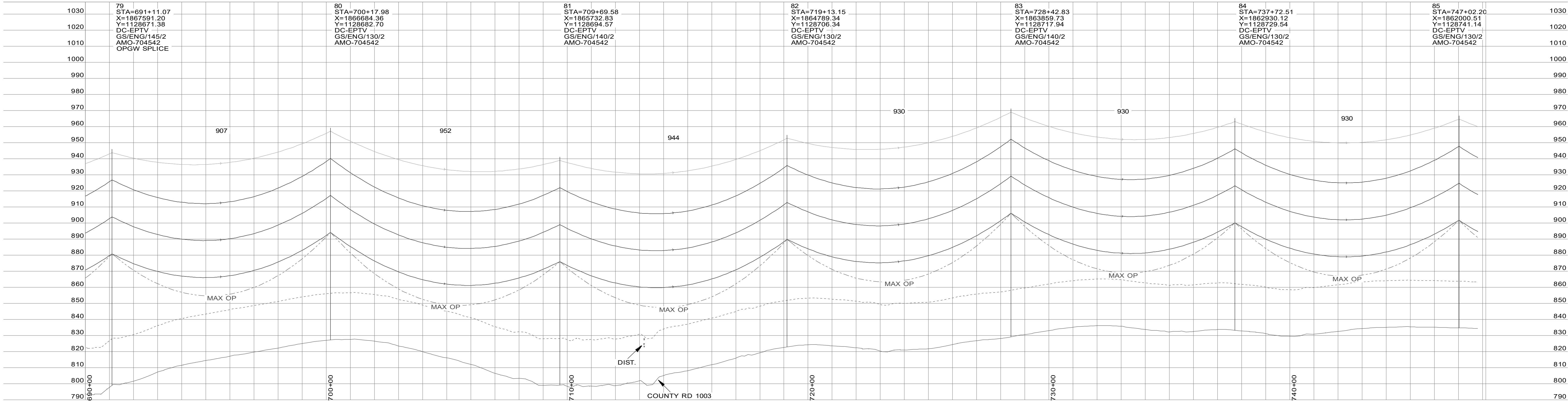
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT OR THE DESIGN. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	HLN0N	Ameren	MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES
										PLAN & PROFILE NUMBER
REV	000AA	ENG	MJL							
		RVW	BRM							
DATE	8/15/2025									
										SHEET 14 OF 30



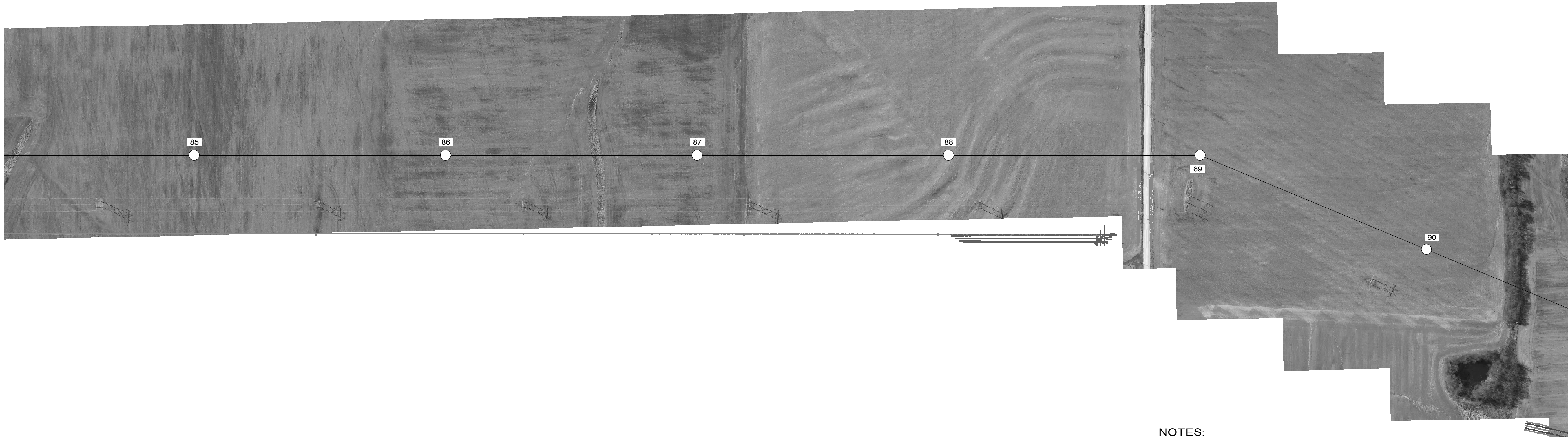
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



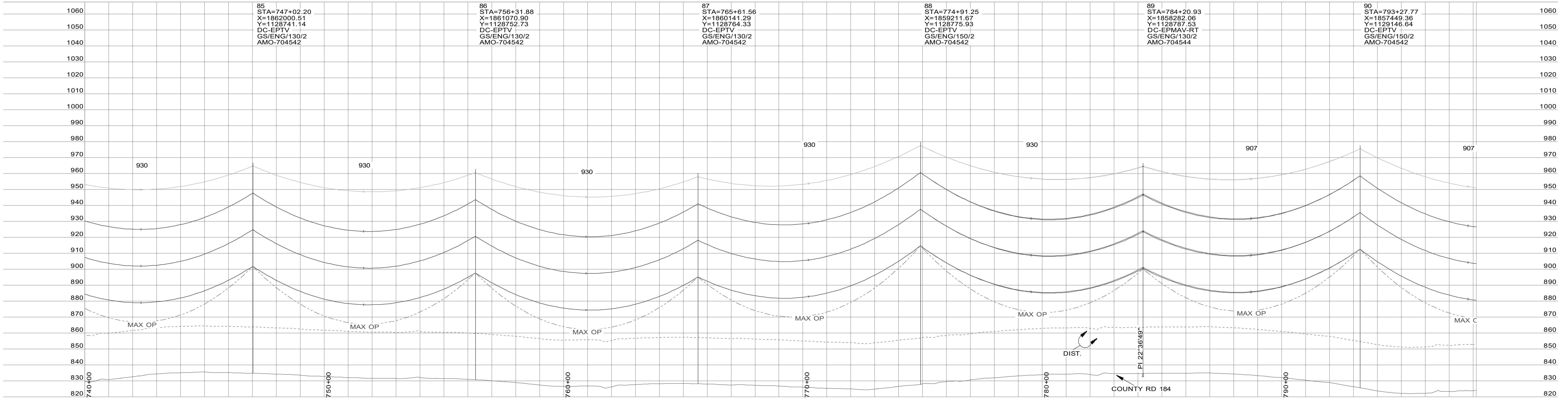
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	H U R O N ↓	 MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	PLAN & PROFILE NUMBER			
REV	000AA	ENG	MJL										
DATE	8/15/2025	RVW	BRM										
										SHEET 15 OF 30			

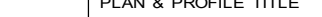


WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



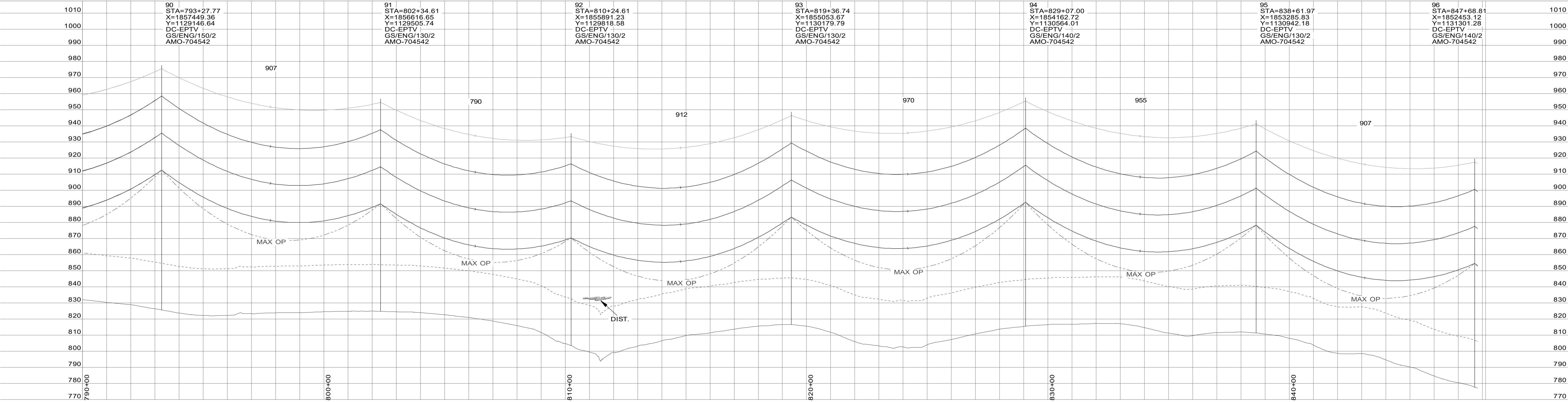
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL RIGHT SIDE PROFILE MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	HORIZ		REV	000AA	ENG	MJL
										RVW	BRM	PLAN & PROFILE NUMBER	
										DATE	8/15/2025	SHEET 16 OF 30	



WIRE INFORMATION

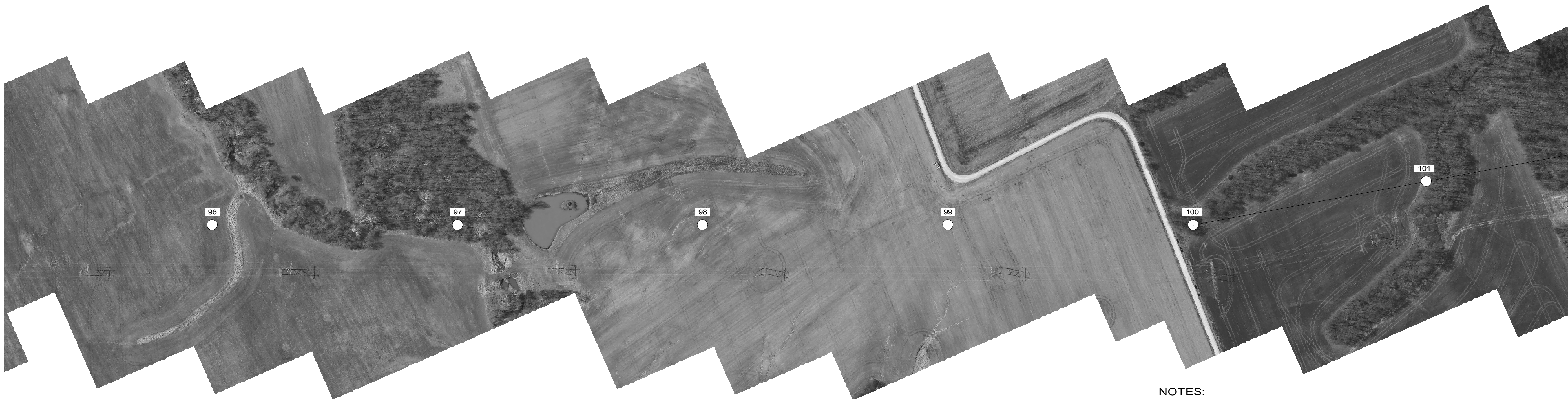
3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



90	91	92	93	94	95	96
STA=793+27.77	STA=802+34.61	STA=810+24.61	STA=819+36.74	STA=829+07.00	STA=838+61.97	STA=847+68.81
X=1857449.36	X=1856616.65	X=1855891.23	X=1855053.67	X=1854162.72	X=1853285.83	X=1852453.12
Y=1129146.64	Y=1129505.74	Y=1129818.58	Y=1130179.79	Y=1130564.01	Y=1130942.18	Y=1131301.28
DC-EPTV	DC-EPTV	DC-EPTV	DC-EPTV	DC-EPTV	DC-EPTV	DC-EPTV
GS/ENG/150/2	GS/ENG/130/2	GS/ENG/130/2	GS/ENG/130/2	GS/ENG/140/2	GS/ENG/130/2	GS/ENG/140/2
AMO-704542	AMO-704542	AMO-704542	AMO-704542	AMO-704542	AMO-704542	AMO-704542

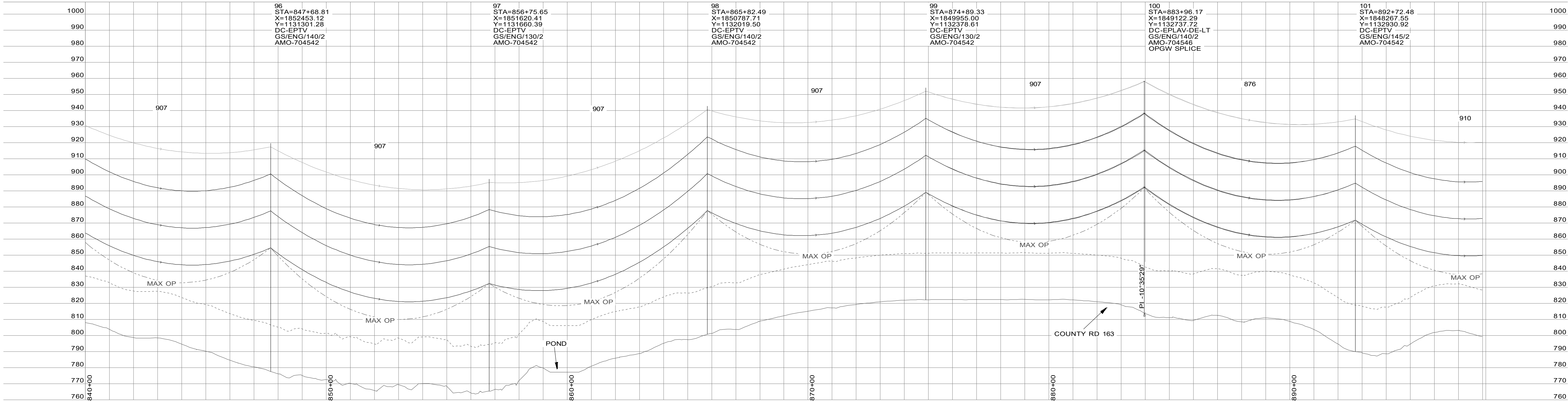
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES
REV	000AA	ENG	RVW	MJL						PLAN & PROFILE NUMBER
DATE	8/15/2025			BRM						SHEET 17 OF 30



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION	ENG	RVW
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM

WIRE LEGEND	
	60°F, FINAL
	MAXIMUM OPERATING TEMP

GROUND PROFILE LEGEND	
	CENTERLINE
	RIGHT SIDE PROFILE
	LEFT SIDE PROFILE
	CLEARANCE PROFILE

SCALE	
	200.0 FT. HORIZ. SCALE
	30.0 FT. VERT. SCALE

NORTH	

THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.

REV	000AA	ENG	MJL
		RVW	BRM
DATE		8/15/2025	

PLAN & PROFILE TITLE	
MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	
PLAN & PROFILE NUMBER	
SHEET 18 OF 30	

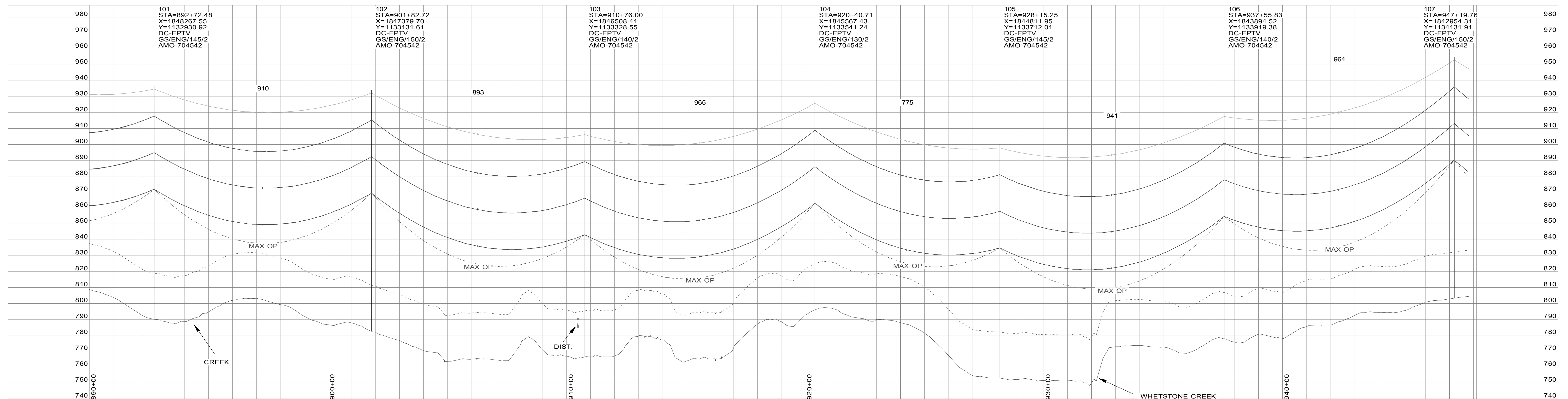


WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:

1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



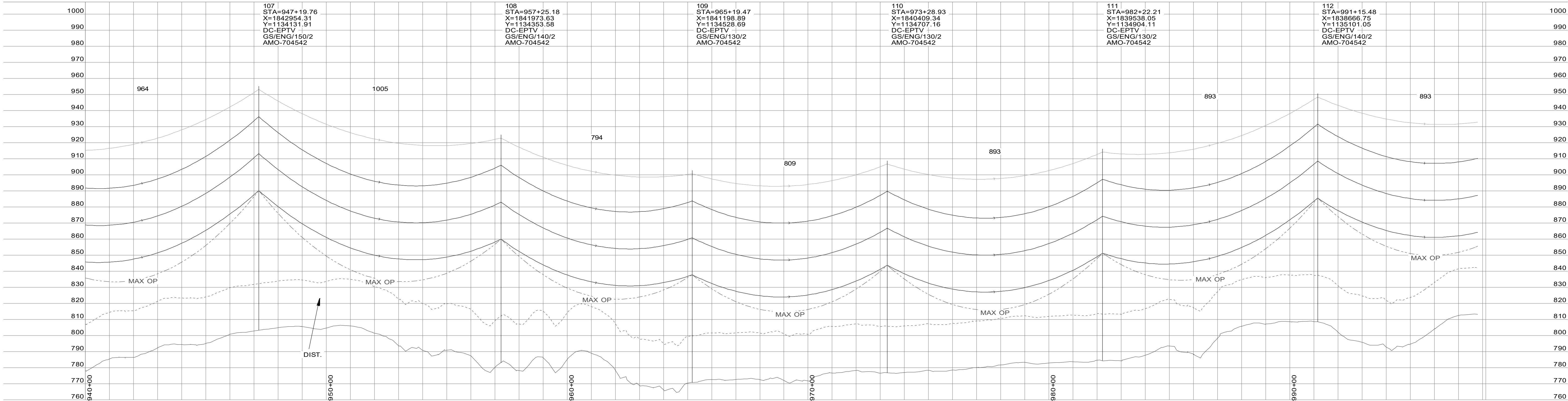
REV	DATE	DESCRIPTION	ENG	Rvw	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	 MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH	REV000AAENG MJL RvwBRM		PLAN & PROFILE NUMBER
									DATE8/15/2025		SHEET 19 OF 30



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



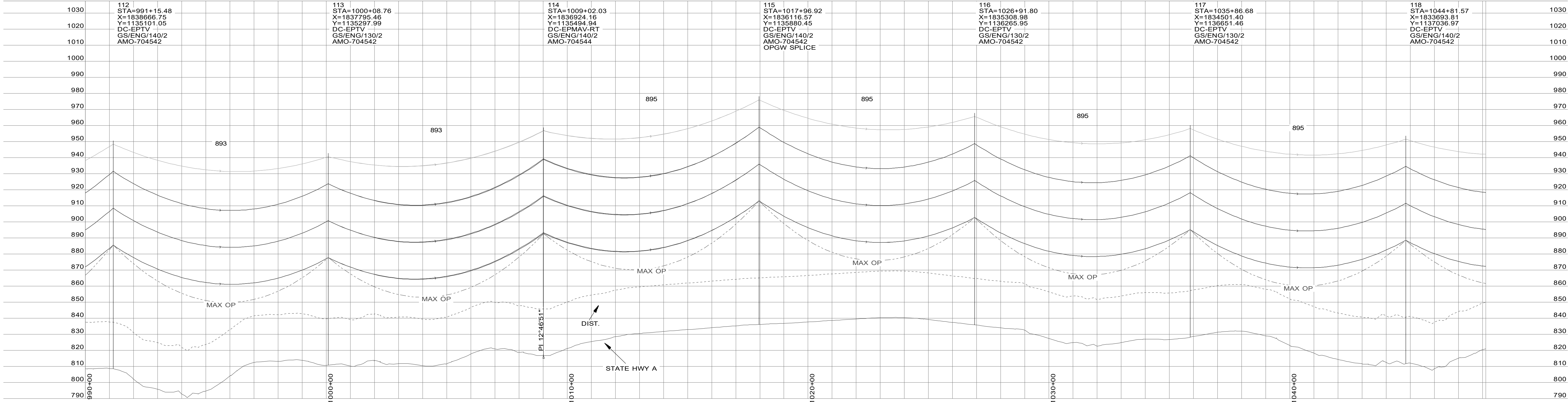
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE				
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		 MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	PLAN & PROFILE NUMBER			
											REV	000AA	ENG	MJL
												RVW	BRM	
												DATE	8/15/2025	
										SHEET 20 OF 30				



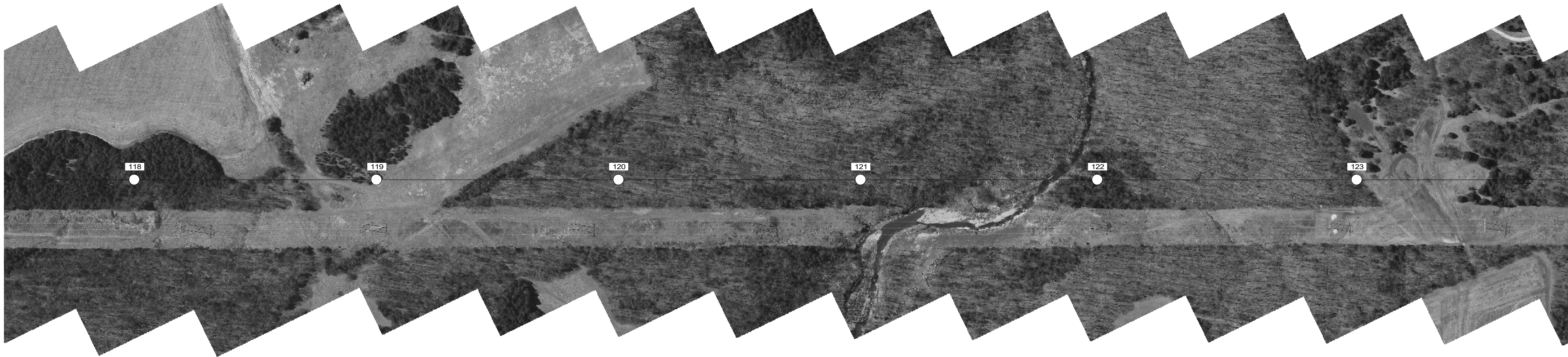
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



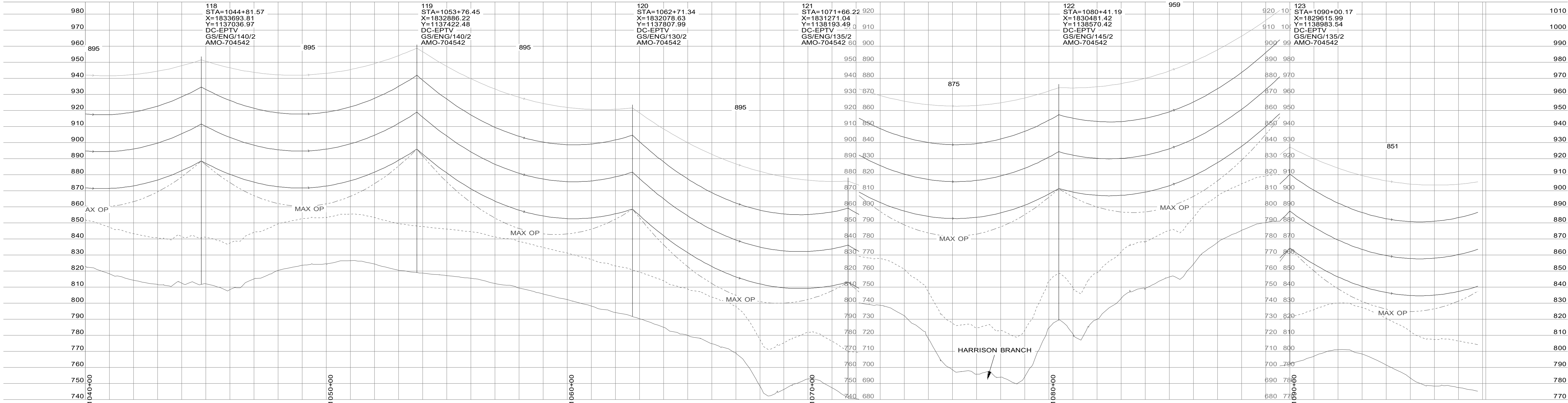
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	————— 60°F, FINAL ----- MAXIMUM OPERATING TEMP	————— CENTERLINE ----- RIGHT SIDE PROFILE ----- LEFT SIDE PROFILE ----- CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH			MTGY-BURN-5515 & 5527		
											345KV TRANSMISSION LINES		
											PLAN & PROFILE SKETCHES		
										PLAN & PROFILE NUMBER			
REV	DATE		ENG	RVW						SHEET 21 OF 30			



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION	ENG	RVW
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM

WIRE LEGEND	
	60°F, FINAL
	MAXIMUM OPERATING TEMP

GROUND PROFILE LEGEND	
	CENTERLINE
	RIGHT SIDE PROFILE
	LEFT SIDE PROFILE
	CLEARANCE PROFILE

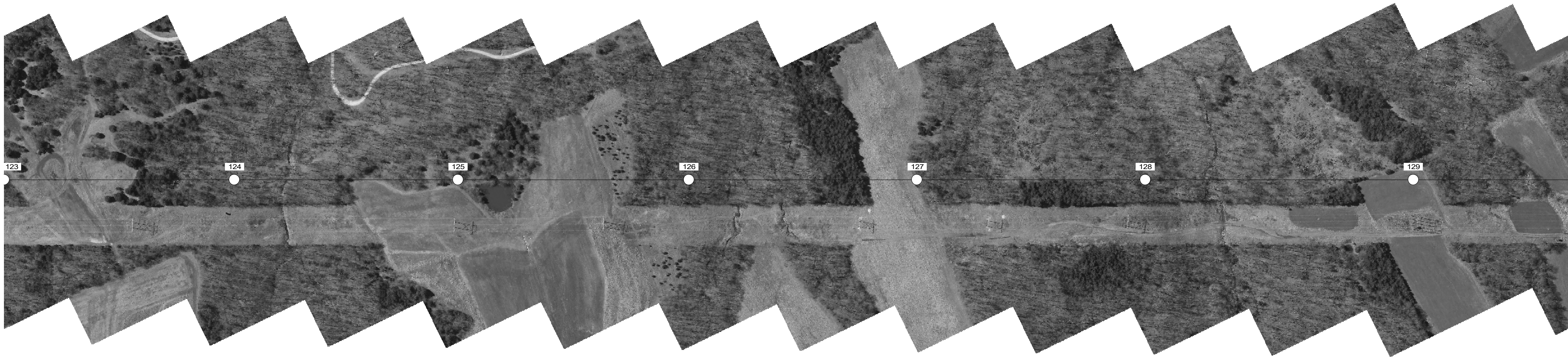
SCALE	
	200.0 FT. HORIZ. SCALE
	30.0 FT. VERT. SCALE

NORTH

THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.

REV	000AA	ENG	MJL
		RVW	BRM
DATE	8/15/2025		

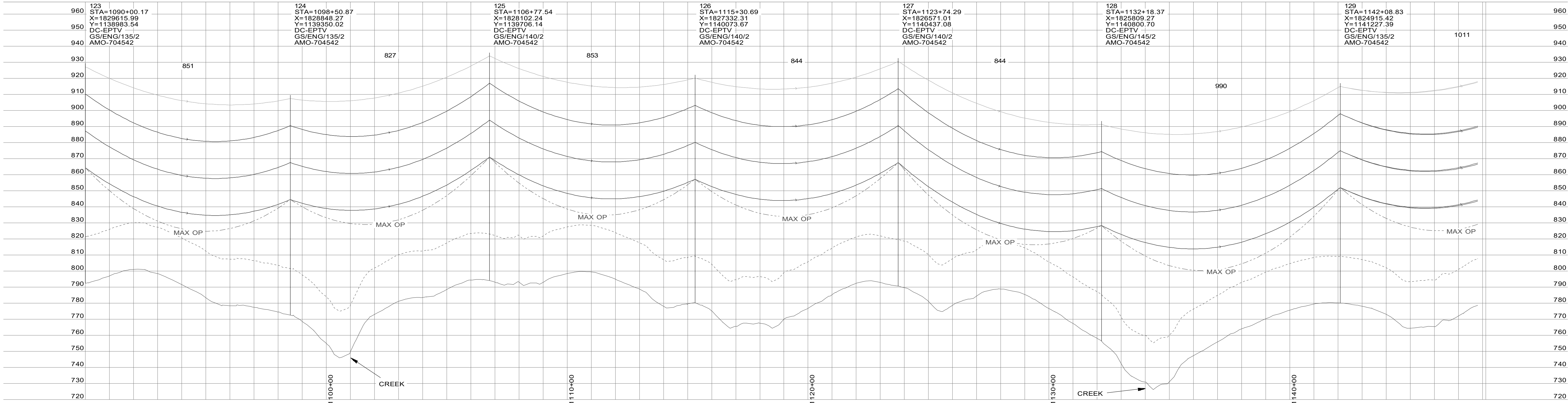
PLAN & PROFILE TITLE	
MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	
SHEET 22 OF 30	



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



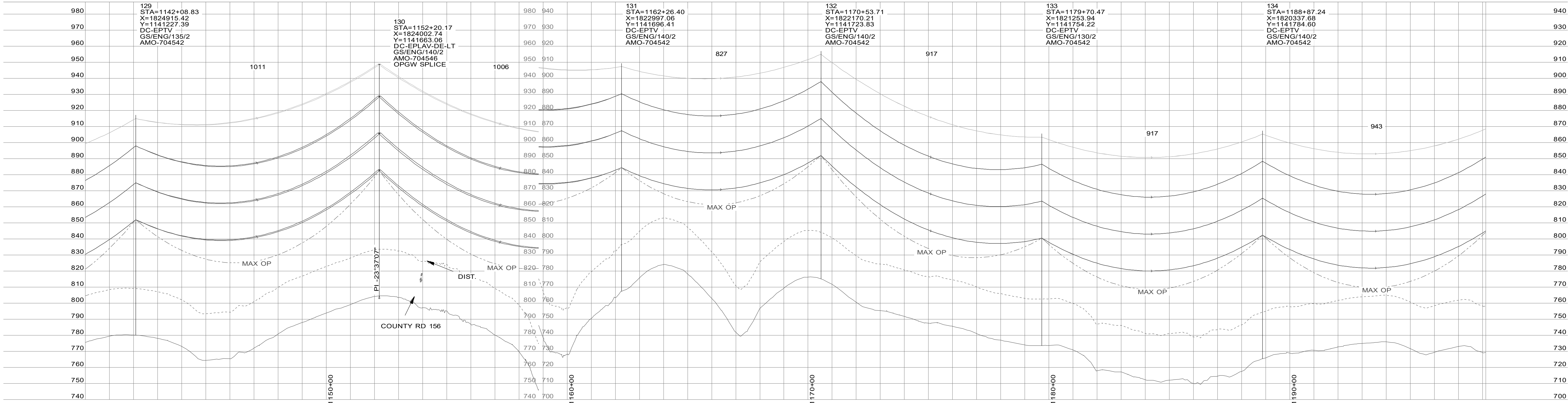
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F. FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		 MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
REV	000AA	ENG	MJL										
DATE	8/15/2025	RVW	BRM										
										PLAN & PROFILE NUMBER			
										SHEET 23 OF 30			



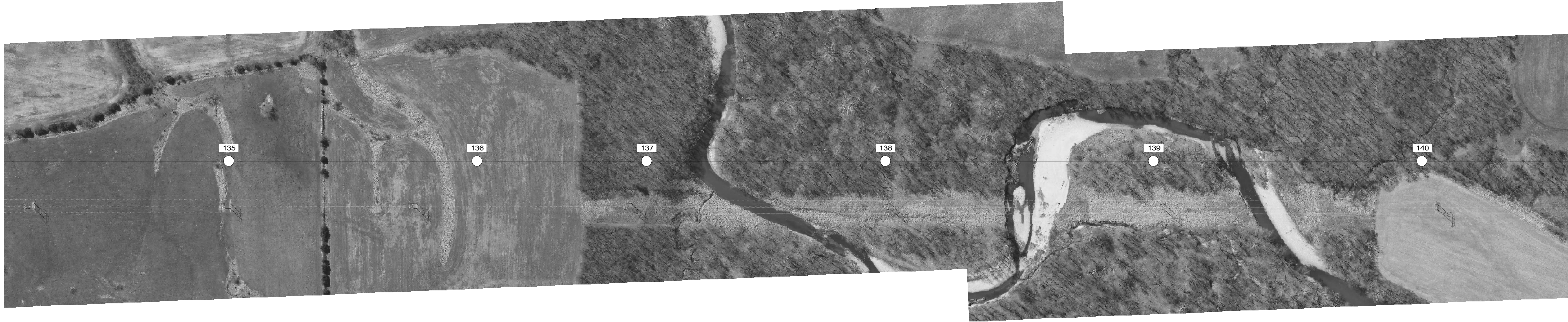
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



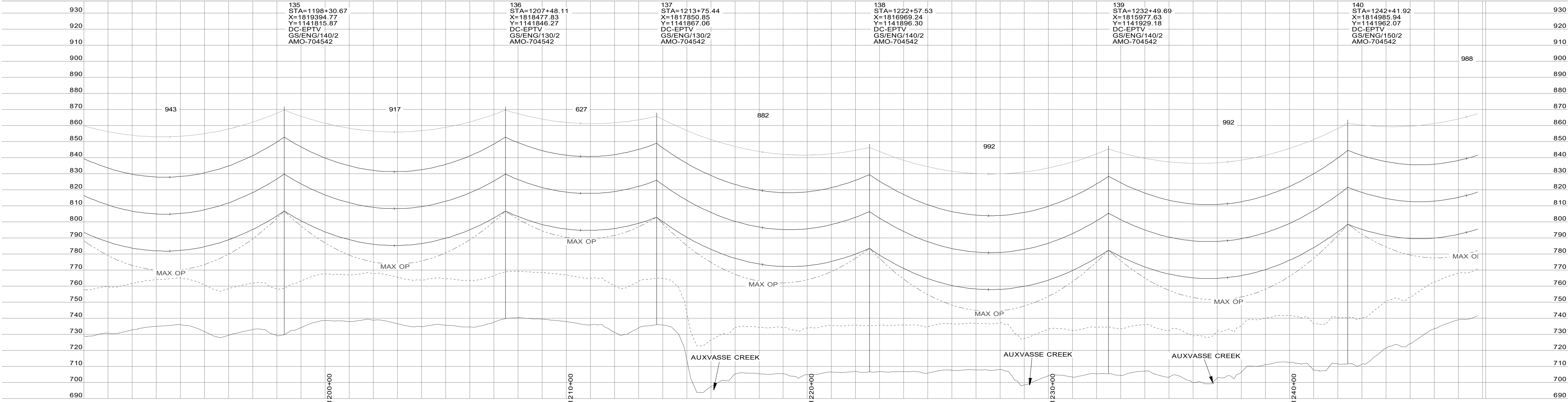
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	 PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES PLAN & PROFILE NUMBER				
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	———— 60°F. FINAL - - - - - MAXIMUM OPERATING TEMP	———— CENTERLINE - - - - - RIGHT SIDE PROFILE - . - . - LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	H I N R T H ↓		REV000AA	ENG	MJL		
										DATE	8/15/2025	RVW	BRM	SHEET 24 OF 30



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

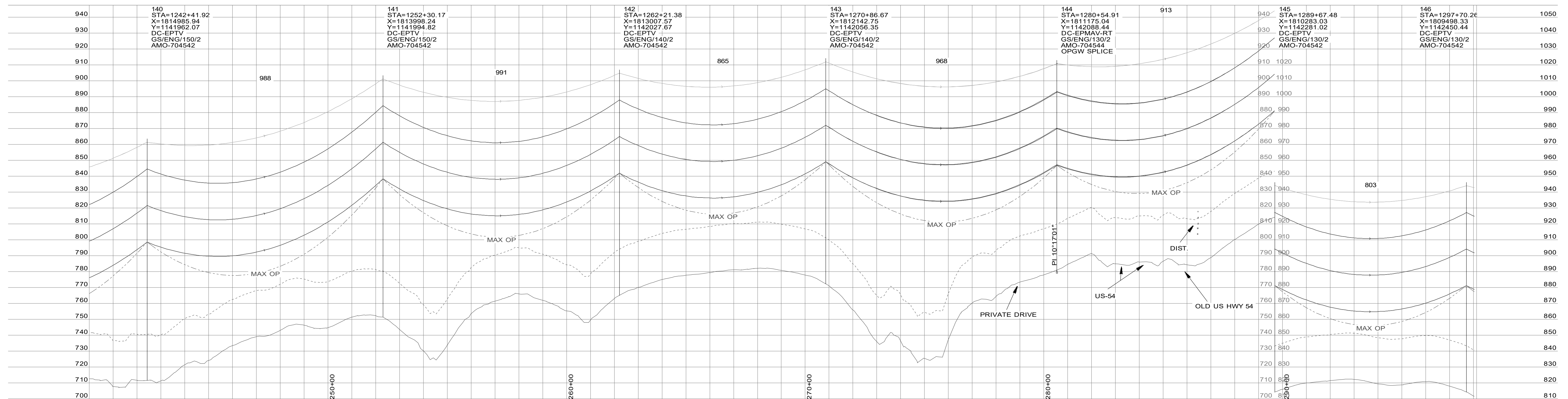
- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH ↓		REV	000AA	ENG	MJL
										RVW	BRM		
										DATE	8/15/2025 <th colspan="2"></th>		
										PLAN & PROFILE NUMBER SHEET 25 OF 30			

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT).
STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE
WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



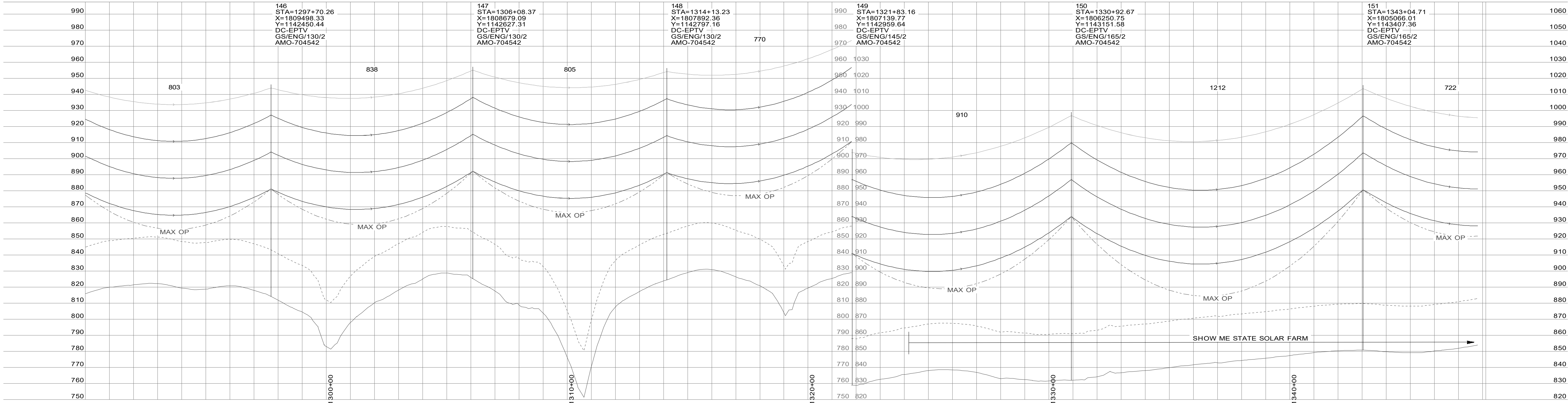
REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT OR THE DESIGN. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL  MAXIMUM OPERATING TEMP	CENTERLINE  RIGHT SIDE PROFILE  LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE  30.0 FT. VERT. SCALE			MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES
REV	000AA	ENG	MJL	RVW	BRM	PLAN & PROFILE NUMBER				
DATE	8/15/2025	SHEET 26 OF 30								



WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
 2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION	ENG	RVW
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM

WIRE LEGEND	
	60°F, FINAL
	MAXIMUM OPERATING TEMP

GROUND PROFILE LEGEND	
	CENTERLINE
	RIGHT SIDE PROFILE
	LEFT SIDE PROFILE
	CLEARANCE PROFILE

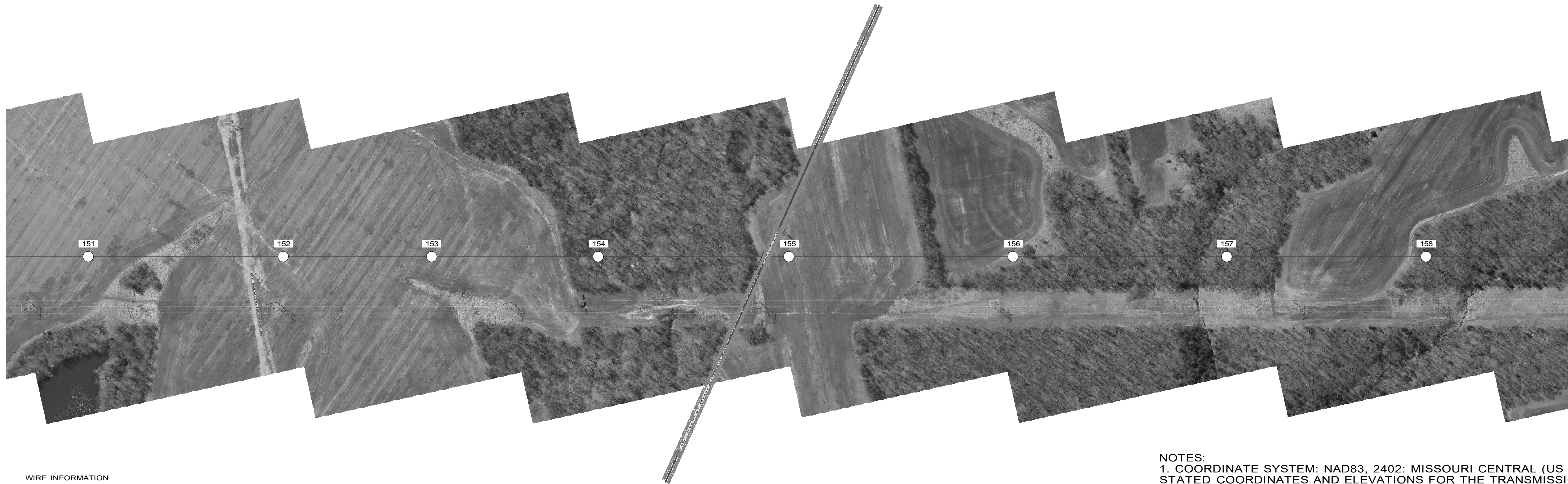
SCALE	
	200.0 FT. HORIZ. SCALE
	30.0 FT. VERT. SCALE

NORTH	
	NORTH

THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.

REV		000AA	ENG	MJL
DATE		8/15/2025	RVW	BRM

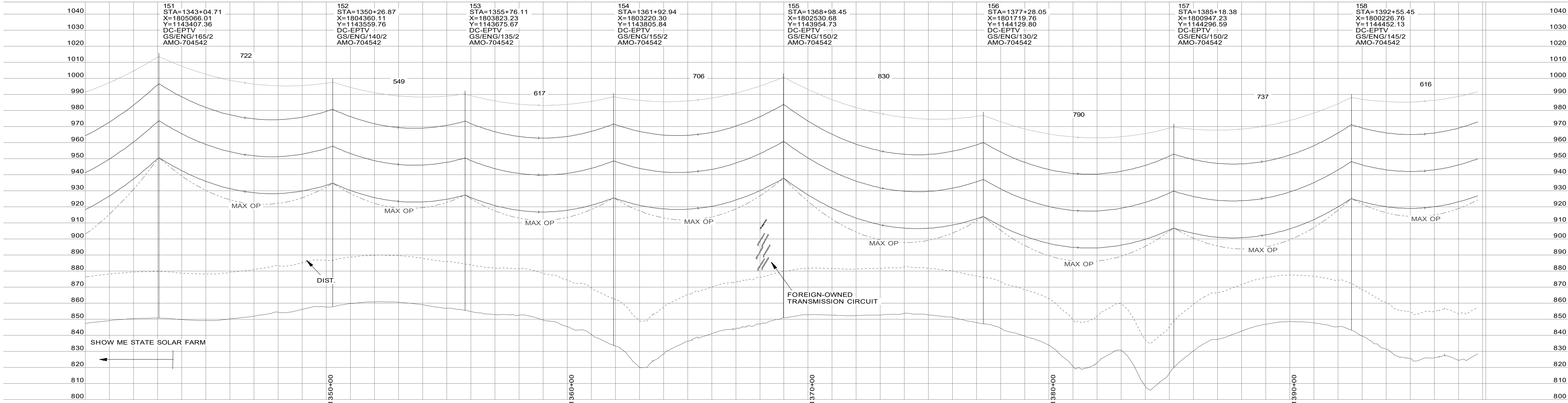
PLAN & PROFILE TITLE	
MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	
PLAN & PROFILE NUMBER	
SHEET 27 OF 30	



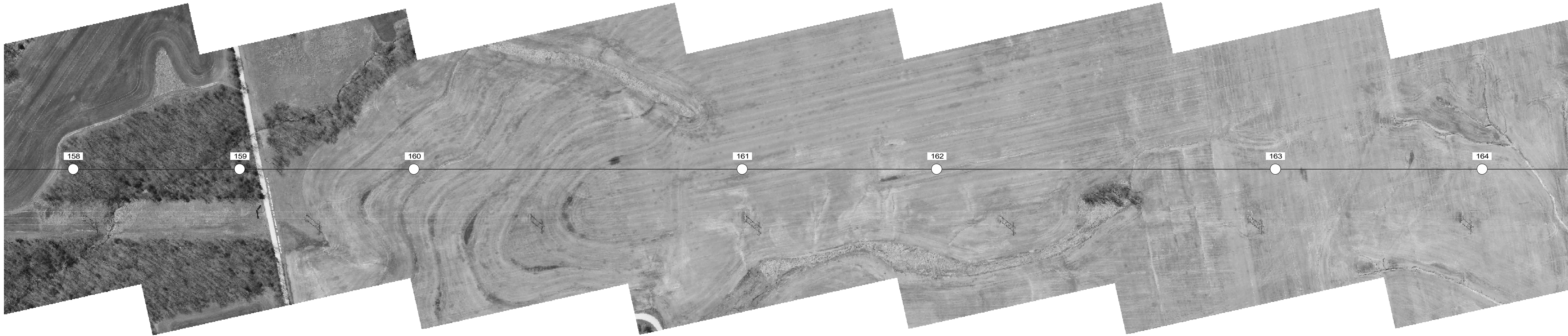
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2.900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6.100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



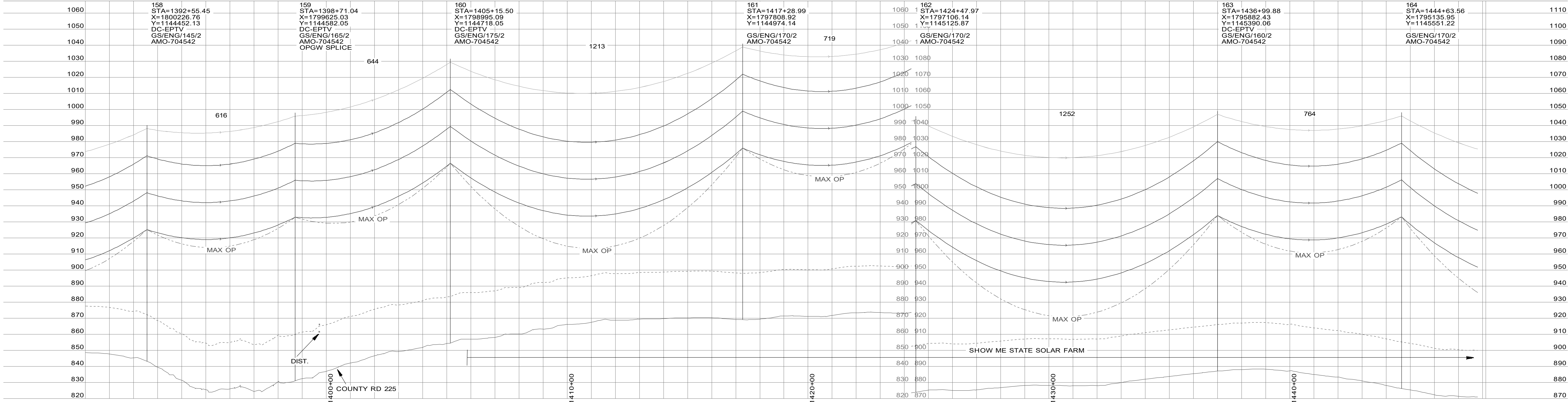
REV	DATE	DESCRIPTION	ENG	RWV	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE			
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F. FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH		MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES			
										SHEET 28 OF 30			



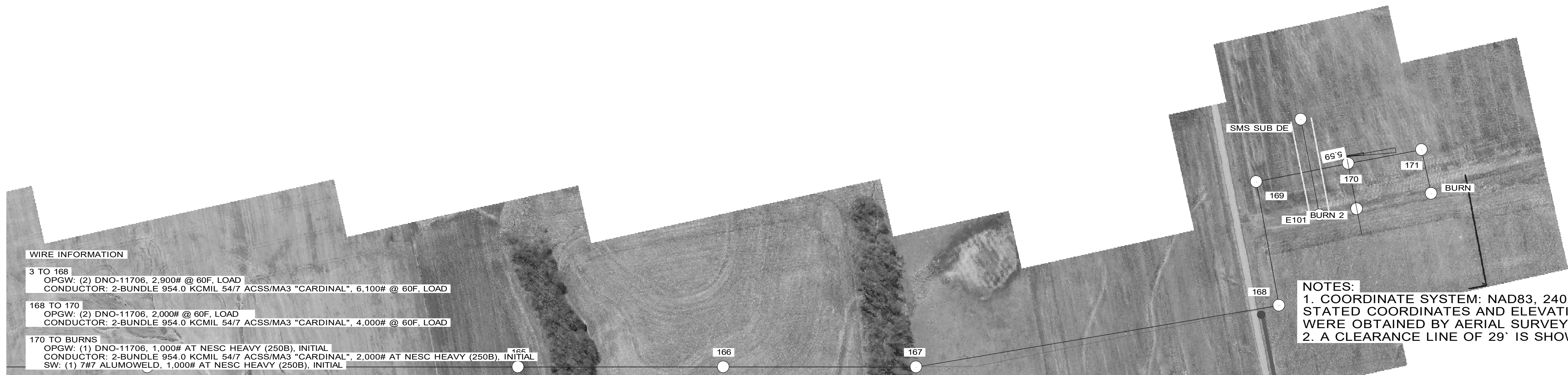
WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

- NOTES:
1. COORDINATE SYSTEM: NAD83, 2402: MISSOURI CENTRAL (US SURVEY FOOT). STATED COORDINATES AND ELEVATIONS FOR THE TRANSMISSION LINE WERE OBTAINED BY AERIAL SURVEY. ELEVATIONS ARE MSL DATUM.
2. A CLEARANCE LINE OF 29' IS SHOWN IN THE PROFILE VIEW.



REV	DATE	DESCRIPTION	ENG	RVW	WIRE LEGEND	GROUND PROFILE LEGEND	SCALE	NORTH	THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.	PLAN & PROFILE TITLE
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM	60°F, FINAL MAXIMUM OPERATING TEMP	CENTERLINE RIGHT SIDE PROFILE LEFT SIDE PROFILE CLEARANCE PROFILE	200.0 FT. HORIZ. SCALE 30.0 FT. VERT. SCALE	NORTH	AMEREN	MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES
REV	000AA	ENG	MJL	RVW	BRM	DATE	8/15/2025			SHEET 29 OF 30

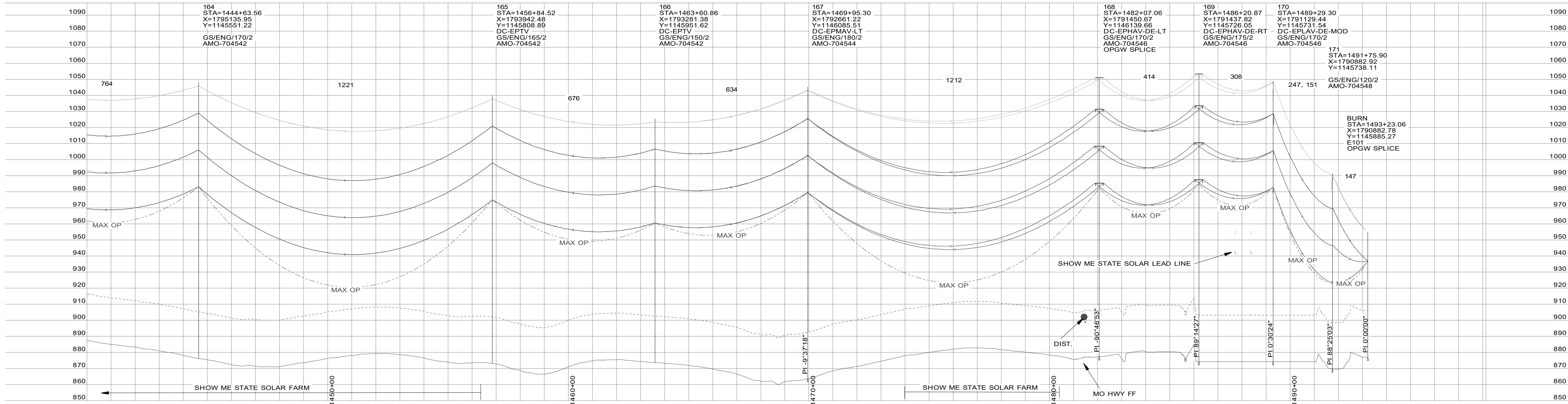


WIRE INFORMATION

3 TO 168
OPGW: (2) DNO-11706, 2,900# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 6,100# @ 60F, LOAD

168 TO 170
OPGW: (2) DNO-11706, 2,000# @ 60F, LOAD
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 4,000# @ 60F, LOAD

170 TO BURNS
OPGW: (1) DNO-11706, 1,000# AT NESC HEAVY (250B), INITIAL
CONDUCTOR: 2-BUNDLE 954.0 KCMIL 54/7 ACSS/MA3 "CARDINAL", 2,000# AT NESC HEAVY (250B), INITIAL
SW: (1) 7#7 ALUMOWELD, 1,000# AT NESC HEAVY (250B), INITIAL



REV	DATE	DESCRIPTION	ENG	RVW
000AA	8/15/2025	ISSUE FOR BID	MJL	BRM

WIRE LEGEND	
	60°F, FINAL
	MAXIMUM OPERATING TEMP

GROUND PROFILE LEGEND	
	CENTERLINE
	RIGHT SIDE PROFILE
	LEFT SIDE PROFILE
	CLEARANCE PROFILE

SCALE	
	200.0 FT. HORIZ. SCALE
	30.0 FT. VERT. SCALE

NORTH	
	NORTH

THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PROJECT DRAWINGS AND DOCUMENTS BEARING HIS/HER SEAL SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE THE AUTHORITY OVER THE PROJECT AS A WHOLE. THE UNDERSIGNED EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR WORK DONE IN ANY SUBSEQUENT REVISIONS AND FOR ANY OTHER DOCUMENTS ASSOCIATED WITH THE PROJECT WHICH DO NOT BEAR HIS/HER SEAL, SIGNATURE OR INITIALS, OR ANY COMBINATION THEREOF.

REV	000AA	ENG	RVW	MJL	BRM
DATE	8/15/2025				

PLAN & PROFILE TITLE	
MTGY-BURN-5515 & 5527 345KV TRANSMISSION LINES PLAN & PROFILE SKETCHES	
PLAN & PROFILE NUMBER	
SHEET 30 OF 30	