ELEVATION PLANS

1.4.a Transmission Line

The new 345-kV double circuit transmission line will be constructed using steel poles. A single pole will be used for most transmission pole locations; however, two transmission poles will be required in certain locations where the weight of the conductor requires extra structural support. These are typically 'angle locations' where the line changes direction. Each transmission pole will be placed on a concrete foundation. Voltage, conductor sag, pole type, terrain, length of span between transmission poles, and minimum clearances of existing buildings influence the necessary height of transmission pole. The transmission poles will be weathering steel and a brown or rust color. The anticipated physical characteristics of a double-circuit pole are summarized in Table 4, and a representative transmission pole with line is shown in Figure 4.

Table 4: Typical 345-kV Double Circuit Transmission Line Characteristics

Characteristic	Anticipated Design
Typical height	105-140 feet (poles will not exceed 199-foot maximum height)
Right-of-way	150 feet total, 75 feet on either side of the centerline
Span length	Typically 950 feet between transmission poles
Material/color	Weathering steel, brown or rust color
Clearance	Maintain all clearances as required by National Electrical Safety Code

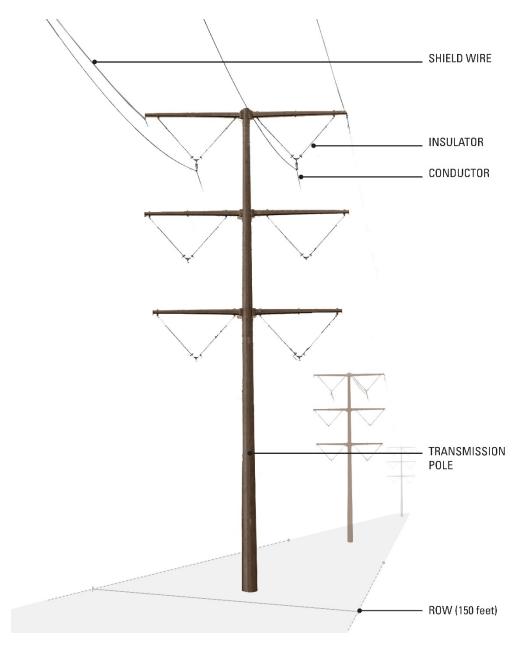


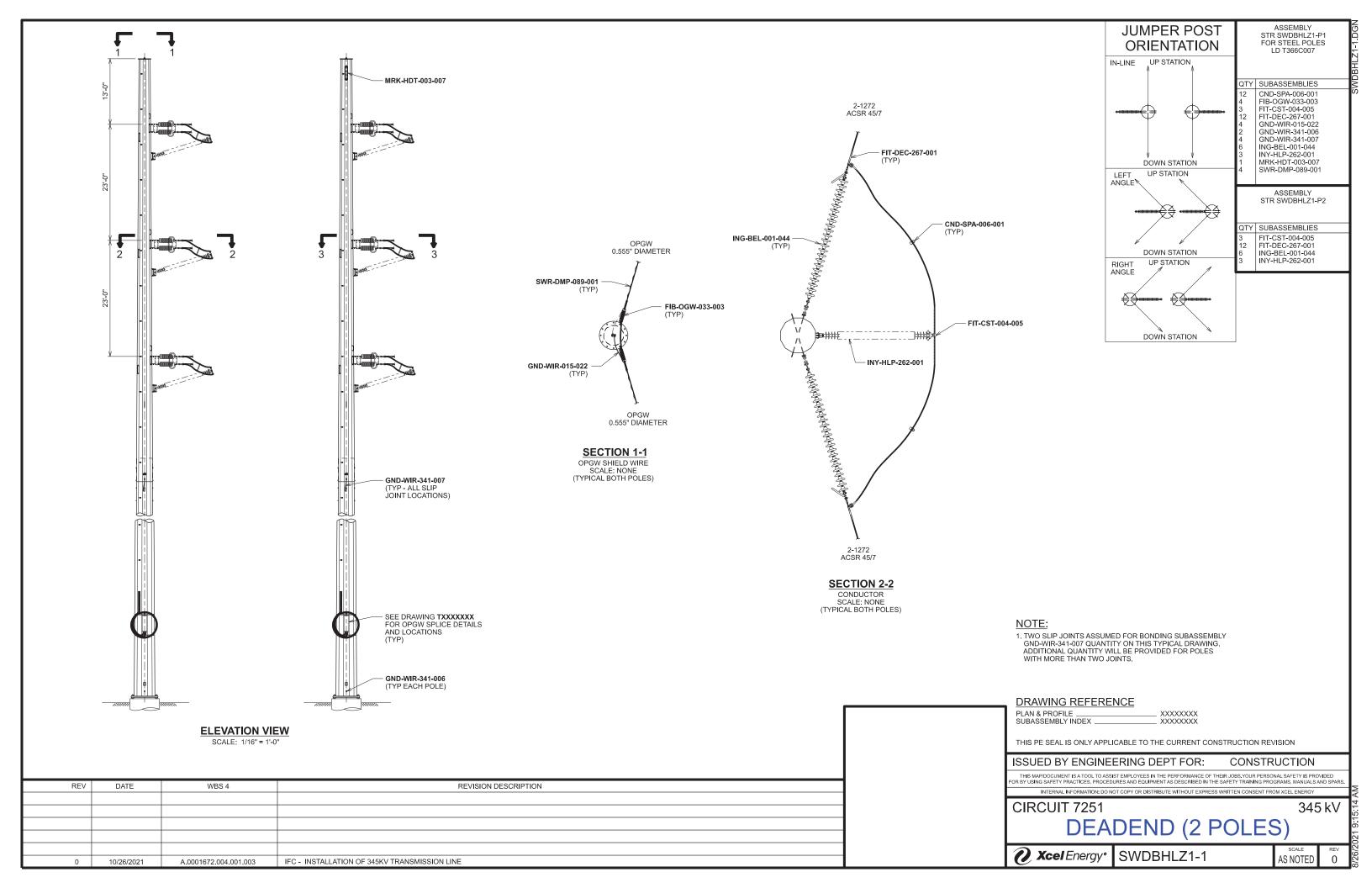
Figure 1: Typical Transmission Pole Configuration (Illustrative)

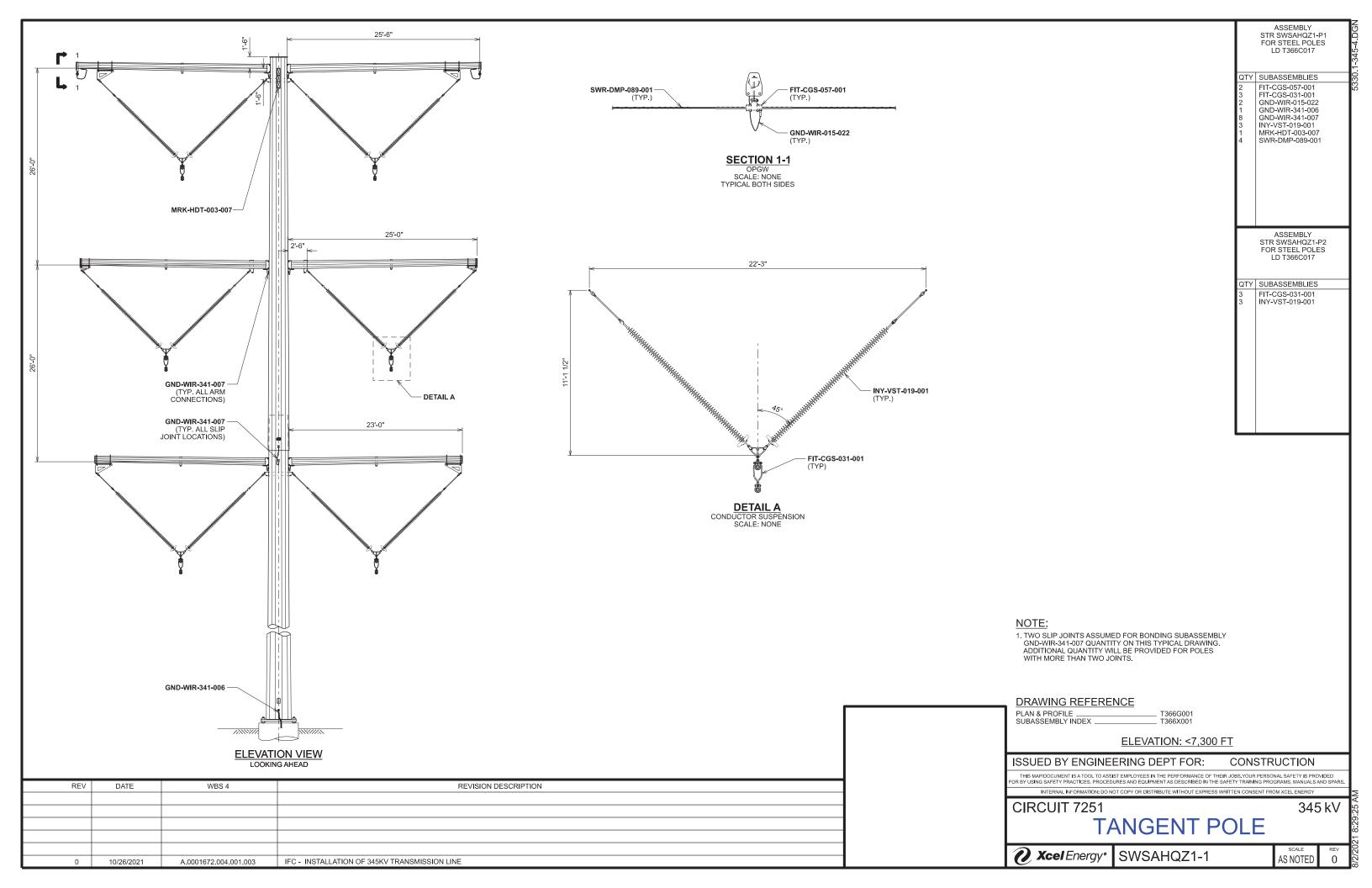
4.2.b Types of Poles Used (5.201.2.b)

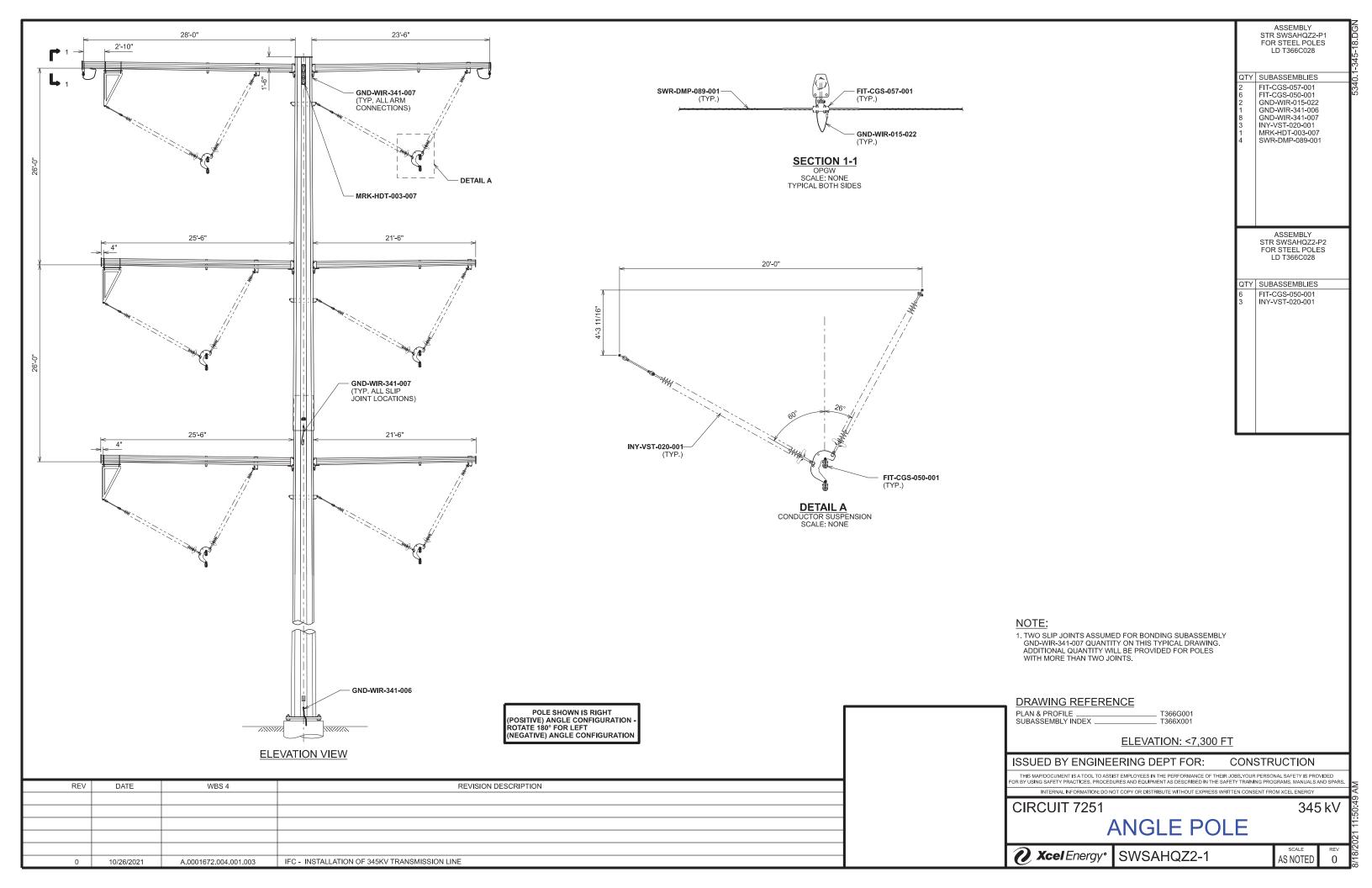
See Section 1.4.a for the description of the transmission poles. Pole details, representative photographs, and simulations are provided in Attachment J.

ATTACHMENT J: POLE DETAILS, REPRESENTATIVE PHOTOGRAPHS, AND SIMULATIONS

J1:	Typical	Transmission	Pole	Configurations







COLORADO'S POWER PATHWAY
COLORADO S POWER PATRIVAT

J2: Representative Photograph



Representative Transmission Line

J3: Representative Photographic Simulations



COLORADO'S POWER PATHWAY

EL PASO COUNTY VISUAL SIMULATIONS

KOP 7: Harrisville Road





PRINT GUIDE / IMAGE NOTES:

This sheet should be printed at 11 by 17 inches; full size with no scaling; and viewed at 10 inches. If viewed on a computer monitor, the document should be scaled to 100 percent and viewed at 10 inches away.



KEY LOCATION MAP

Viewpoint Number:	7
Viewpoint Location:	Harrisville Rd
Date of Photograph:	12/15/2023
Time of Photograph:	2:13PM (MST)
Latitude:	39.042140°
Longitude:	-104.109667°
Viewing Direction:	East
Weather Condition:	Clear
Ground Elevation + Camera Height:	6 feet

EXISTING CONDITION

KOP 7: Harrisville Road





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SIMULATED CONDITION

KOP 8: NORTH RUSH ROAD





PRINT GUIDE / IMAGE NOTES:

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KEY LOCATION MAP

Viewpoint Number:	8
Viewpoint Location:	North Rush Rd
Date of Photograph:	12/15/2023
Time of Photograph:	2:34PM (MST)
Latitude:	38.976496°
Longitude:	-104.090412°
Viewing Direction:	South
Weather Condition:	Partly Cloudy
Ground Elevation + Camera Height:	6 feet

IMAGE DATA

EXISTING CONDITION

KOP 8: NORTH RUSH ROAD





PRINT GUIDE / IMAGE NOTES:

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Longitude:	-104.090412°
Viewing Direction:	South
Weather Condition:	Partly Cloudy
Ground Elevation + Camera Height:	6 feet

SIMULATED CONDITION

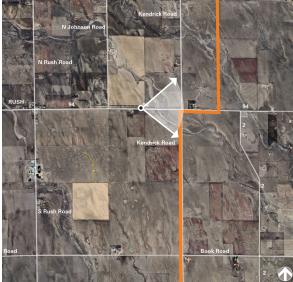
KOP 9: Highway 94





PRINT GUIDE / IMAGE NOTES:

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KEY LOCATION MAP

Viewpoint Number:	9	
Viewpoint Location:	Highway 94	
Date of Photograph:	2/06/2023	
Time of Photograph:	2:27PM (MST)	
Latitude:	38.840097°	
Longitude:	-104.065228°	
Viewing Direction:	East	
Weather Condition:	Partly Cloudy	
Ground Elevation + Camera Height:	6 feet	

EXISTING CONDITION

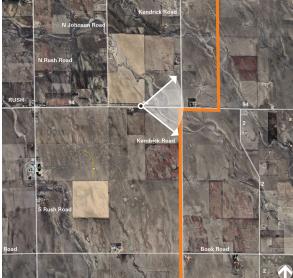
KOP 9: Highway 94





PRINT GUIDE / IMAGE NOTES:

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KEY LOCATION MAP

Viewpoint Number:	9	
Viewpoint Location:	Highway 94	
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Latitude:	38.840097°	
Longitude:	-104.065228°	
Viewing Direction:	East	
Weather Condition:	Partly Cloudy	
Ground Elevation + Camera Height:	6 feet	

SIMULATED CONDITION

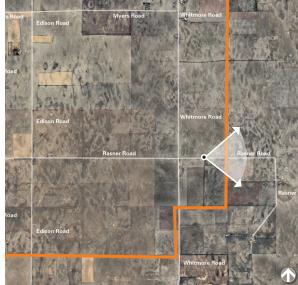
KOP 10: RASNER ROAD





PRINT GUIDE / IMAGE NOTES:

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KEY LOCATION MAP

Viewpoint Number:	10	
Viewpoint Location:	Rasner Road	
Date of Photograph:	12/15/2023	
Time of Photograph:	3:49PM (MST)	
_atitude:	38.551038°	
_ongitude:	-104.099791°	
Viewing Direction:	East	
Weather Condition:	Partly Cloudy	
Ground Elevation + Camera Height:	6 feet	

EXISTING CONDITION

KOP 10: RASNER ROAD





PRINT GUIDE / IMAGE NOTES:

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Time of Photograph:	3:49PM (MST)	
_atitude:	38.551038°	
_ongitude:	-104.099791°	
Viewing Direction:	East	
Weather Condition:	Partly Cloudy	
Ground Elevation + Camera Height:	6 feet	

SIMULATED CONDITION