

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

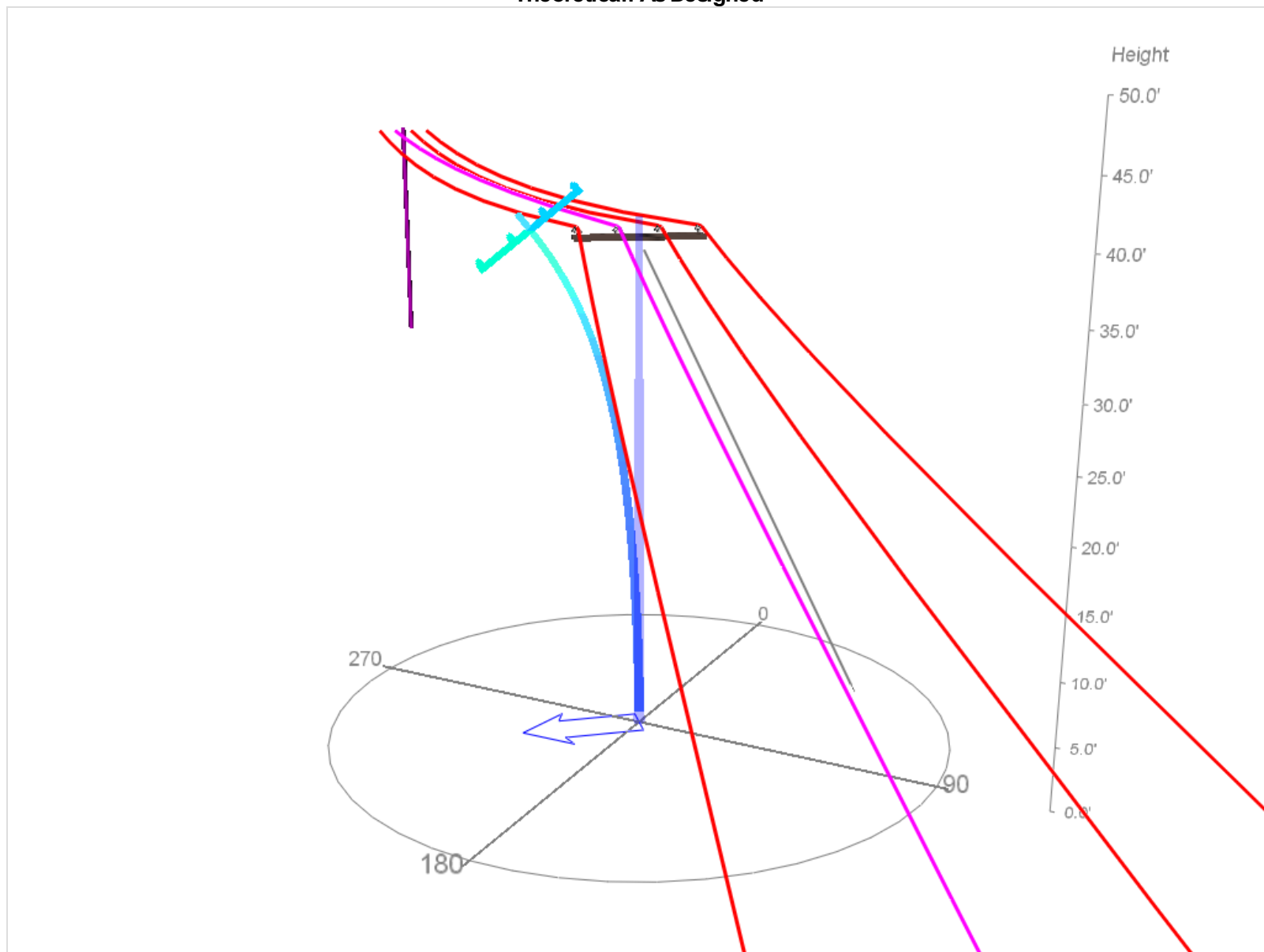
Cross Street 2:

Summary Notes:

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	50/4	6.76 from stress at 37' 9"	2.37 (Guy#3)	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	In Service, Light, 8 lb, Grade B (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	6.76 from stress at 37' 9"	1184 / 8000 lb/in ²	230 °	8000 lb/in ²
Guy#3	2.37	6498 / 15400 lbf	240 °	15400 lbf

Wire End Points and Wires

WEP#1

Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	None	201'	319 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade B	
											Tension	Sag
	Wire#1	336.4 ACSR Tree Wire	SCE	Neutral	Light Full	40' 3"	0' 0"	1	1753 lbf*	Dynamic	2597.06 lbf**	1' 9****
	Wire#2	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1707 lbf*	Dynamic	2506.92 lbf**	2' 7****
	Wire#3	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1707 lbf*	Dynamic	2513.67 lbf**	2' 6****
	Wire#6	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1707 lbf*	Dynamic	2576.09 lbf**	2' 6****

WEP#2

Type	Env ironment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	123'	149 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Light, 8 lb, Grade B	
											Tension	Sag
	Wire#4	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1488 lbf*	Dynamic	2552.37 lbf**	0' 11"***
	Wire#5	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1488 lbf*	Dynamic	2758.58 lbf**	0' 10"***
	Wire#7	653.9 ACSR Tree Wire	SCE	Primary	Light Full	40' 3"	0' 0"	1	1488 lbf*	Dynamic	2725.95 lbf**	0' 10"***
	Wire#8	336.4 ACSR Tree Wire	SCE	Neutral	Light Full	40' 3"	0' 0"	1	1729 lbf*	Dynamic	2703.93 lbf**	0' 7"***

*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

** Tension value is inclusive of environmental and load factors associated with the Load Case.

*** Sag value is inclusive of environmental and load factors associated with the Load Case.

Anchors

Anchor#2

Size		Owner	Lead	Direction	Height	Supporting	
10-Inch Double Helix 9 Pin - 1/2" Anchor Hub		SCE	20' 0"	40 °	0' 0"	Other	

ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Light, 8 lb, Grade B	
									Pretension	Tension
Guy#3	3/8" EHS	SCE	38' 6"	27 °	N/A	N/A	N/A	N/A	2468.15 lb*	-2.35 lb**

* Pretension values are calculated at 60°F (15.5°C) and without load factors.

** Tension value is calculated without load factors or wind.

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	39' 6"	Bisector	234 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	319 °	0' 4"	Wire#3, Wire#7
Insulator#2	12 kV Pin (Cross Arm)	149 °	9' 8"	Wire#4, Wire#6
Insulator#3	12 kV Pin (Cross Arm)	319 °	3' 5"	Wire#1, Wire#8
Insulator#4	12 kV Pin (Cross Arm)	319 °	6' 7"	Wire#2, Wire#5

Location 4162650E Location Forms

SAP

- Field Inspection Date: 10/11/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 88 - Wildomar
- Region: ED-SE-SANJACIN
- Above 3000 Ft Elevation: No
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit :
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: