

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

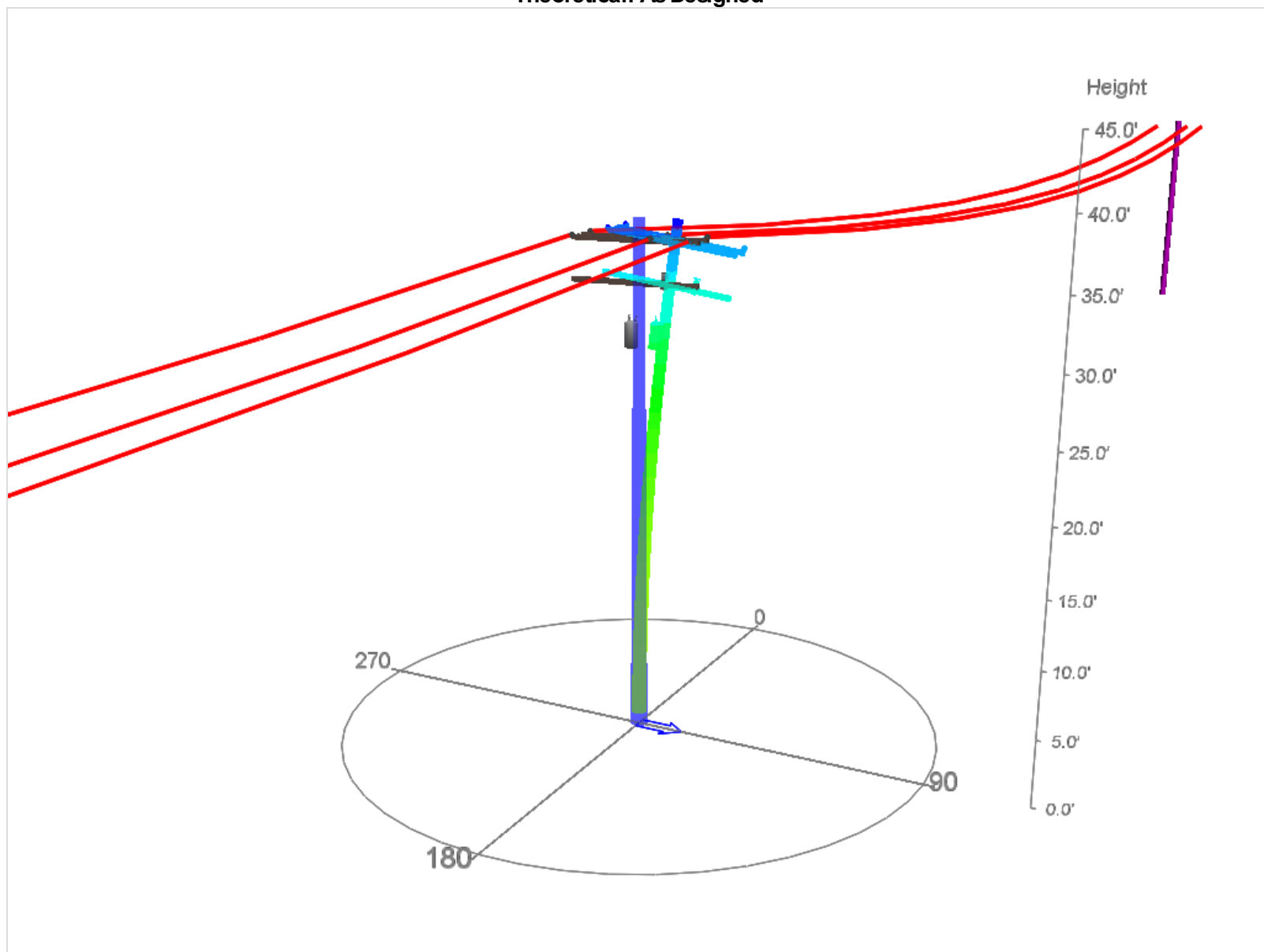
Cross Street 2:

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	45'/H2	6.07 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

## Theoretical: As Designed



## Analysis Results

## Loading

Component	New, Heavy, 6 lb, Grade A (Governing Case)			New, 12 lb, Grade A			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	6.07 from stress at 3' 3"	1319 / 8000 lb/in <sup>2</sup>	90 °	5.32 from stress at 3' 3"	1503 / 8000 lb/in <sup>2</sup>	80 °	8000 lb/in <sup>2</sup>

## Wire End Points and Wires

WEP#1													
Type	Environment		Distance		Direction		GPS Point		Inclination	Measured Between		Measured to Ground	
Next Pole	None		260'		0 °		Undefined.		0 °	N/A		N/A	
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, Heavy, 6 lb, Grade A		New, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#1	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2861.52 lbf**	5' 4"***	1696.75 lbf**	5' 8"***
Wire#2	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2874.07 lbf**	5' 4"***	1709.49 lbf**	5' 7"***
Wire#6	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2850.86 lbf**	5' 5"***	1690.72 lbf**	5' 8"***

WEP#2													
Type	Environment		Distance		Direction		GPS Point		Inclination	Measured Between		Measured to Ground	
Previous Pole	None		260'		180 °		Undefined.		0 °	N/A		N/A	
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, Heavy, 6 lb, Grade A		New, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#3	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2828.96 lbf**	5' 5"***	1687.79 lbf**	5' 8"***
Wire#4	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2841.03 lbf**	5' 5"***	1700.18 lbf**	5' 8"***
Wire#5	336.4 ACSR Tree Wire	SCE	Primary	Heavy Full	37' 2"	0' 0"	1	892 lbf*	Dynamic	2851.92 lbf**	5' 5"***	1706.5 lbf**	5' 8"***

\*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.

## Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	34' 0"	34' 0"	90 °
Equip#2	37.5 kVA Transformer	SCE	Transformer	31' 0"	31' 0"	180 °

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 0"	Other	270 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6
CrossArm#2	10 Foot Cross Arm	34' 0"	Other	270 °	5' 0"	

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Deadend	0 °	0' 4"	Wire#2
Insulator#2	12 kV Deadend	180 °	0' 4"	Wire#3
Insulator#3	12 kV Deadend	0 °	9' 8"	Wire#6
Insulator#4	12 kV Deadend	180 °	9' 8"	Wire#5
Insulator#5	12 kV Deadend	0 °	6' 7"	Wire#1
Insulator#6	12 kV Deadend	180 °	6' 7"	Wire#4

## Location 4346302E Location Forms

## SAP

- Field Inspection Date: 03/04/2023
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 73 - Victorville
- Region: ED-SE-DESERT RE
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Replace
- 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: