

## Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

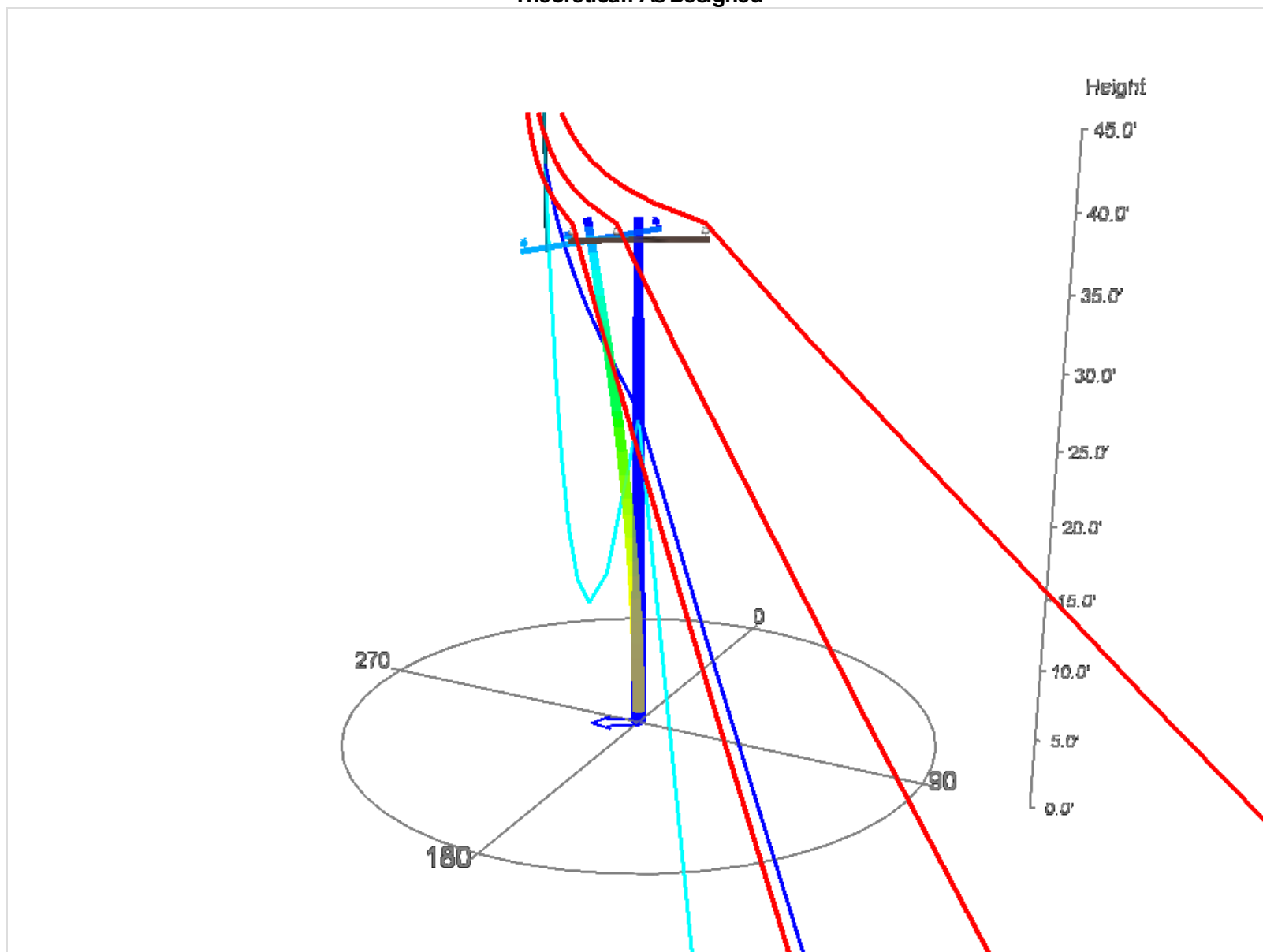
Cross Street 2:

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	45/1	5.17 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, Light, 8 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	5.17 from stress at 3' 3"	1471 / 7600 lb/in <sup>2</sup>	240 °	7600 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	303'	148 °	Undefined.	0 °	N/A	N/A					
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, Light, 8 lb, Grade A	
											Tension	Sag
	Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1411.76 lbf**	4' 7****
	Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1402.29 lbf**	4' 7****
	Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1408.38 lbf**	4' 7****
	Wire#7	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 6"	0' 0"	1	1449 lbf*	Dynamic	1942.76 lbf**	5' 6****
	Wire#9	.25" TELCO Service	Unknown	Communication Service	Service	23' 9"	0' 0"	1	15 lbf*	Dynamic	40.68 lbf**	52' 5****

## WEP#2

Type	Environment			Distance	Direction		GPS Point		Inclination		Measured Between		Measured to Ground	
Previous Pole	None			314'	328 °		Undefined.		0 °		N/A		N/A	
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, Light, 8 lb, Grade A			
												Tension	Sag	
	Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1408.58 lbf**		4' 11"***	
	Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1405.63 lbf**		4' 11"***	
	Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	38' 1"	0' 0"	1	818 lbf*	Dynamic	1414.41 lbf**		4' 10"***	
	Wire#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	24' 6"	0' 0"	1	1449 lbf*	Dynamic	1941.45 lbf**		5' 11"***	
	Wire#10	.25" TELCO Service	Unknown	Communication Service	Service	23' 9"	0' 0"	1	15 lbf*	Dynamic	40.68 lbf**		56' 5"***	

\*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.

## Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	37' 0"	Bisector	238 °	5' 0"	Insulator#1, Insulator#2, Insulator#3

## Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	16 kV Pin (Cross Arm)	148 °	0' 4"	Wire#1, Wire#4
Insulator#2	16 kV Pin (Cross Arm)	148 °	9' 8"	Wire#2, Wire#6
Insulator#3	16 kV Pin (Cross Arm)	328 °	3' 5"	Wire#3, Wire#5

## Location 793144E Location Forms

## SAP

- Field Inspection Date: 05/10/2023
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: No
- 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: