

Location Properties

Technician:

Address:

City:

County:

Cross Street 1:

Remedy:

Comments:

Map Number:

Pole Tags:

State:

Zip Code:

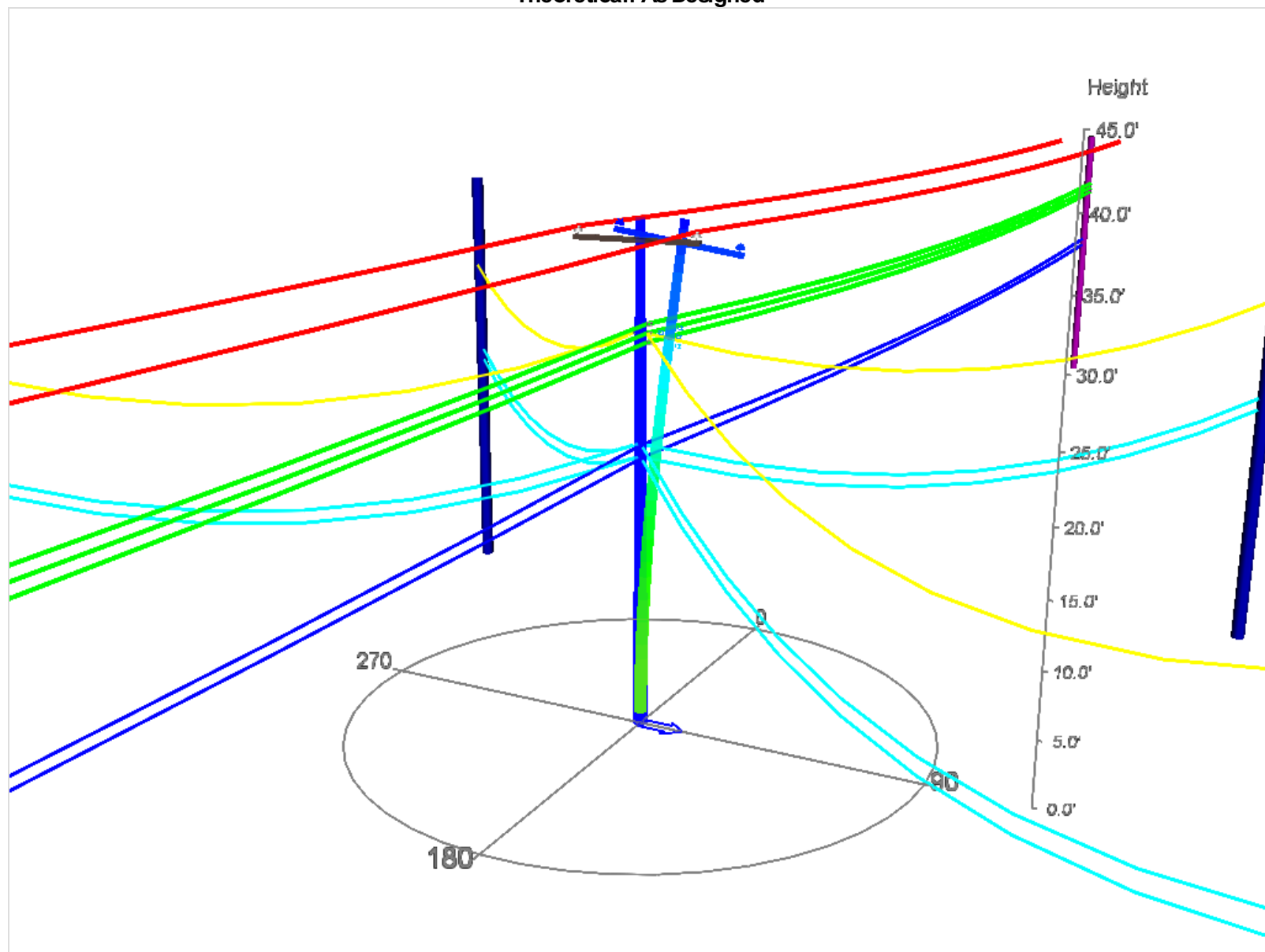
Cross Street 2:

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	5.1 from stress at 1' 0"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Loading

Component	New, 12 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	5.1 from stress at 1' 0"	1570 / 8000 lb/in ²	90 °	8000 lb/in ²

Wire End Points and Wires

WEP#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	161'	0 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
										Tension	Sag
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 9"	0' 0"	1	915 lbF	Dynamic	1370.06 lbF**	1' 10"****
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 9"	0' 0"	1	915 lbF	Dynamic	1375.73 lbF**	1' 10"****
Wire#5	1/0 WP Al.	SCE	Secondary	Light Full	31' 0"	0' 0"	1	254 lbF	Dynamic	649.28 lbF**	2' 6"****
Wire#8	1/0 WP Al.	SCE	Secondary	Light Full	30' 4"	0' 0"	1	254 lbF	Dynamic	649.11 lbF**	2' 6"****
Wire#9	1/0 WP Al.	SCE	Secondary	Light Full	29' 8"	0' 0"	1	254 lbF	Dynamic	648.95 lbF**	2' 6"****
Wire#19	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	22' 0"	0' 0"	1	841 lbF	Dynamic	1320.19 lbF**	2' 8"****
Wire#26	.75" TELCO 5/16" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	1302 lbF	Dynamic	1671.13 lbF**	1' 9"****

WEP#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	160'	180 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
										Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 9"	0' 0"	1	931 lbF	Dynamic	1370.11 lbF**	1' 10"****
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 9"	0' 0"	1	931 lbF	Dynamic	1375.98 lbF**	1' 10"****
Wire#6	1/0 WP Al.	SCE	Secondary	Light Full	31' 0"	0' 0"	1	250 lbF	Dynamic	651.93 lbF**	2' 5"****
Wire#7	1/0 WP Al.	SCE	Secondary	Light Full	30' 4"	0' 0"	1	250 lbF	Dynamic	651.82 lbF**	2' 5"****
Wire#10	1/0 WP Al.	SCE	Secondary	Light Full	29' 8"	0' 0"	1	250 lbF	Dynamic	651.71 lbF**	2' 5"****
Wire#20	1" CATV 1/4" Messenger	Unknown	Communication	Light Full	22' 0"	0' 0"	1	840 lbF	Dynamic	1322.22 lbF**	2' 8"****
Wire#25	.75" TELCO 5/16" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	1302 lbF	Dynamic	1678.46 lbF**	1' 9"****

WEP#3											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	56'	44 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
										Tension	Sag
Wire#11	4 Al. Triplex Service	SCE	Utility Service	Service	30' 4"	0' 0"	1	16 lbF	Dynamic	34.21 lbF**	4' 4"****
Wire#22	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	6 lbF	Dynamic	13.22 lbF**	4' 4"****
Wire#30	.25" TELCO Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	6 lbF	Dynamic	13.22 lbF**	4' 4"****

WEP#4											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Building	None	66'	134 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
										Tension	Sag
Wire#12	4 Al. Triplex Service	SCE	Utility Service	Service	30' 4"	0' 0"	1	16 lbF	Dynamic	32.4 lbF**	6' 0"****
Wire#21	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	6 lbF	Dynamic	12.51 lbF**	6' 1"****
Wire#27	.25" TELCO Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	6 lbF	Dynamic	12.51 lbF**	6' 1"****

WEP#5

Type	Environment		Distance	Direction	GPS Point		Inclination		Measured Between		Measured to Ground	
Building	None		68'	251 °	Undefined.		0 °		N/A		N/A	
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A	
	Wire#14	4 Al. Triplex Service	SCE	Utility Service	Service	30' 4"	0' 0"	1	16 lbF*	Dynamic	17.2 lbF**	6' 5"***
	Wire#23	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	6 lbF*	Dynamic	6.48 lbF**	6' 5"***
	Wire#28	.25" TELCO Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	6 lbF*	Dynamic	6.48 lbF**	6' 5"***

WEP#6

Type	Environment		Distance	Direction		GPS Point		Inclination		Measured Between		Measured to Ground	
Building	None		45'	312 °		Undefined.		0 °		N/A		N/A	
	ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	New, 12 lb, Grade A		
	Wire#17	4 Al. Triplex Service	SCE	Utility Service	Service	30' 4"	0' 0"	1	11 lbf*	Dynamic	21.08 lbf**	4' 1"***	
	Wire#24	.25" CATV Service	Unknown	Communication Service	Service	22' 0"	0' 0"	1	4 lbf*	Dynamic	7.89 lbf**	4' 3"***	
	Wire#29	.25" TELCO Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	7.89 lbf**	4' 3"***	

*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"	Other	270 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Pin (Cross Arm)	0 °	0' 4"	Wire#4, Wire#1
Insulator#2	12 kV Pin (Cross Arm)	0 °	9' 8"	Wire#2, Wire#3
Insulator#3	3" Clevis Insulator	90 °	31' 0"	Wire#5, Wire#6
Insulator#4	3" Clevis Insulator	90 °	30' 4"	Wire#7, Wire#8, Wire#11, Wire#12
Insulator#5	3" Clevis Insulator	90 °	29' 8"	Wire#9, Wire#10
Insulator#7	3" Clevis Insulator	270 °	30' 4"	Wire#14, Wire#17

Location 1248027E Location Forms**SAP**

- Field Inspection Date: 02/22/2022
- High Fire: No
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 31 - Redlands
- Region: ED-SE-DESERTRE
- 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:

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	45/3	3.32 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N