

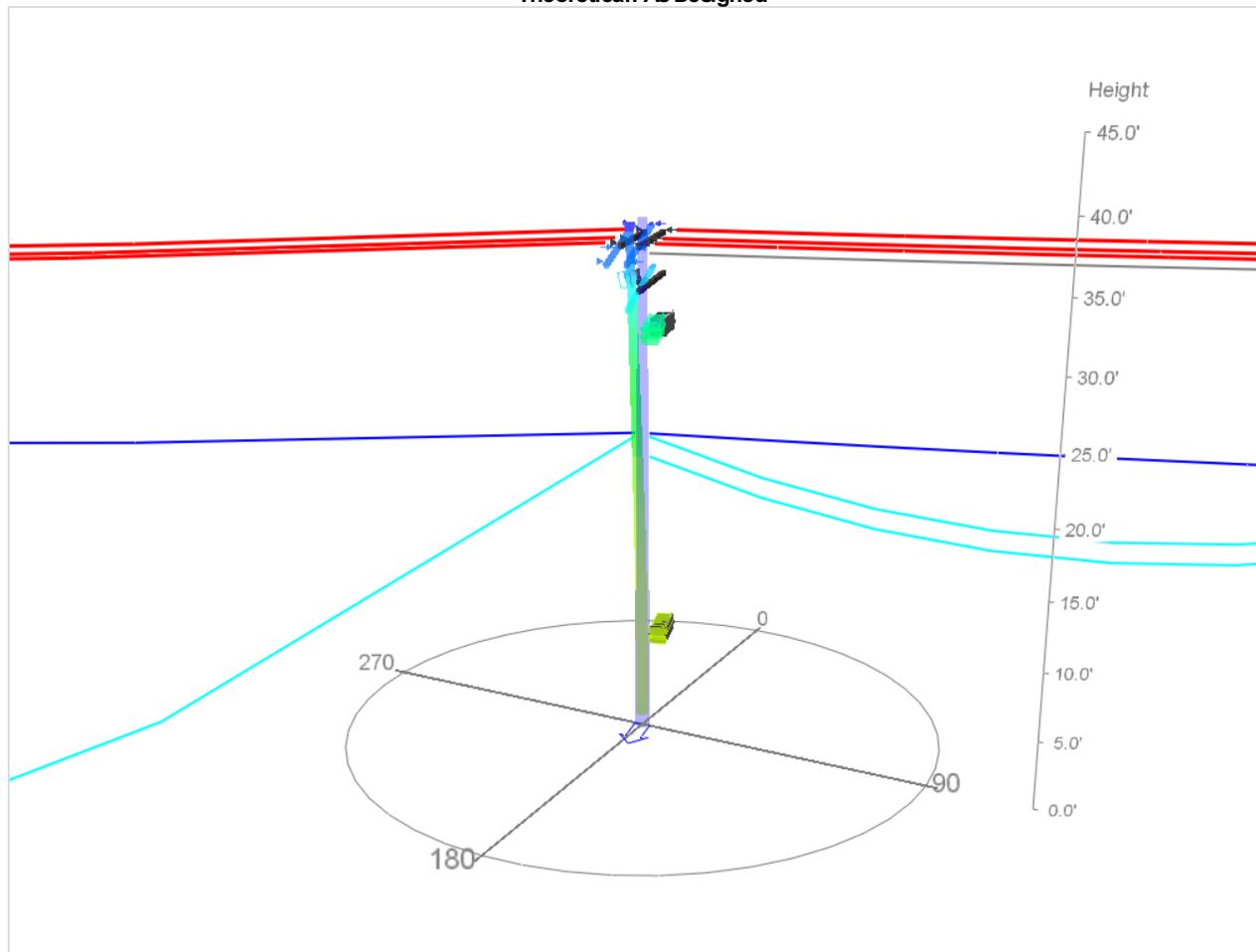
Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

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	45/2	3.81 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	Y

Theoretical: As Designed



Analysis Results

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	3.81 from stress at 3' 3"	2098 / 8000 lb/in ²	170 °	8000 lb/in ²

Wire End Points and Wires

WE#1											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Next Pole	None	66'	74 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lbF	Dynamic	1830.17 lbF**	0' 5"***
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lbF	Dynamic	2181.19 lbF**	0' 4"***
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	976 lbF	Dynamic	2004.49 lbF**	0' 4"***
Wire#13	9/32" EHS	SCE	Guy	Light Full	36' 2"	0' 0"	1	600 lbF	Dynamic	1383.94 lbF**	0' 4"***
Wire#8	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 1"	0' 0"	1	1439 lbF	Dynamic	2476.75 lbF**	0' 5"***
Wire#10	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	6 lbF	Dynamic	155.04 lbF**	2' 11"***
Wire#9	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	6 lbF	Dynamic	155.04 lbF**	2' 11"***
Wire#11	.25" TELCO Service	Unknown	Communication Service	Service	21' 4"	0' 0"	1	6 lbF	Dynamic	155.04 lbF**	2' 11"***

WE#2											
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground				
Previous Pole	None	318'	253 °	Undefined.	0 °	N/A	N/A				
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A	
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lbF	Dynamic	2450.08 lbF**	6' 11"***
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lbF	Dynamic	2432 lbF**	7' 0"***
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 4"	0' 0"	1	818 lbF	Dynamic	2468.37 lbF**	6' 11"***
Wire#7	1" TELCO 5/16" Messenger	Unknown	Communication	Light Full	23' 1"	0' 0"	1	1449 lbF	Dynamic	3021.1 lbF**	7' 10"***
Wire#12	.25" TELCO Service	Unknown	Communication Service	Service	22' 10"	0' 0"	1	15 lbF	Dynamic	182.9 lbF**	58' 9"***

* 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#2	Fuse Arm with 3 Cutouts	SCE	Cutout Arrestor	34' 2"	34' 2"	343 °
Equip#1	150 kVAR Capacitor Bank - Old	SCE	Capacitor	31' 2"	31' 2"	74 °
Equip#3	Automatic Capacitor Control Box	SCE	Capacitor	8' 0"	8' 0"	74 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Double Cross Arm	37' 2"	Bisector	163 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6
CrossArm#2	10 Foot Cross Arm	34' 2"	Bisector	163 °	5' 0"	

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Deadend	74 °	0' 4"	Wire#4
Insulator#2	12 kV Deadend	253 °	0' 4"	Wire#3
Insulator#3	12 kV Deadend	74 °	9' 8"	Wire#5
Insulator#4	12 kV Deadend	253 °	9' 8"	Wire#1
Insulator#5	12 kV Deadend	74 °	3' 7"	Wire#2
Insulator#6	12 kV Deadend	253 °	3' 7"	Wire#6

Location 686704E Location Forms

SAP

- Field Inspection Date: 05/04/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: --
- Region: --
- Above 3000 Ft Elevation: --
- 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:
- FLM:
- Location:
- City:
- Strand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: