

Location Properties

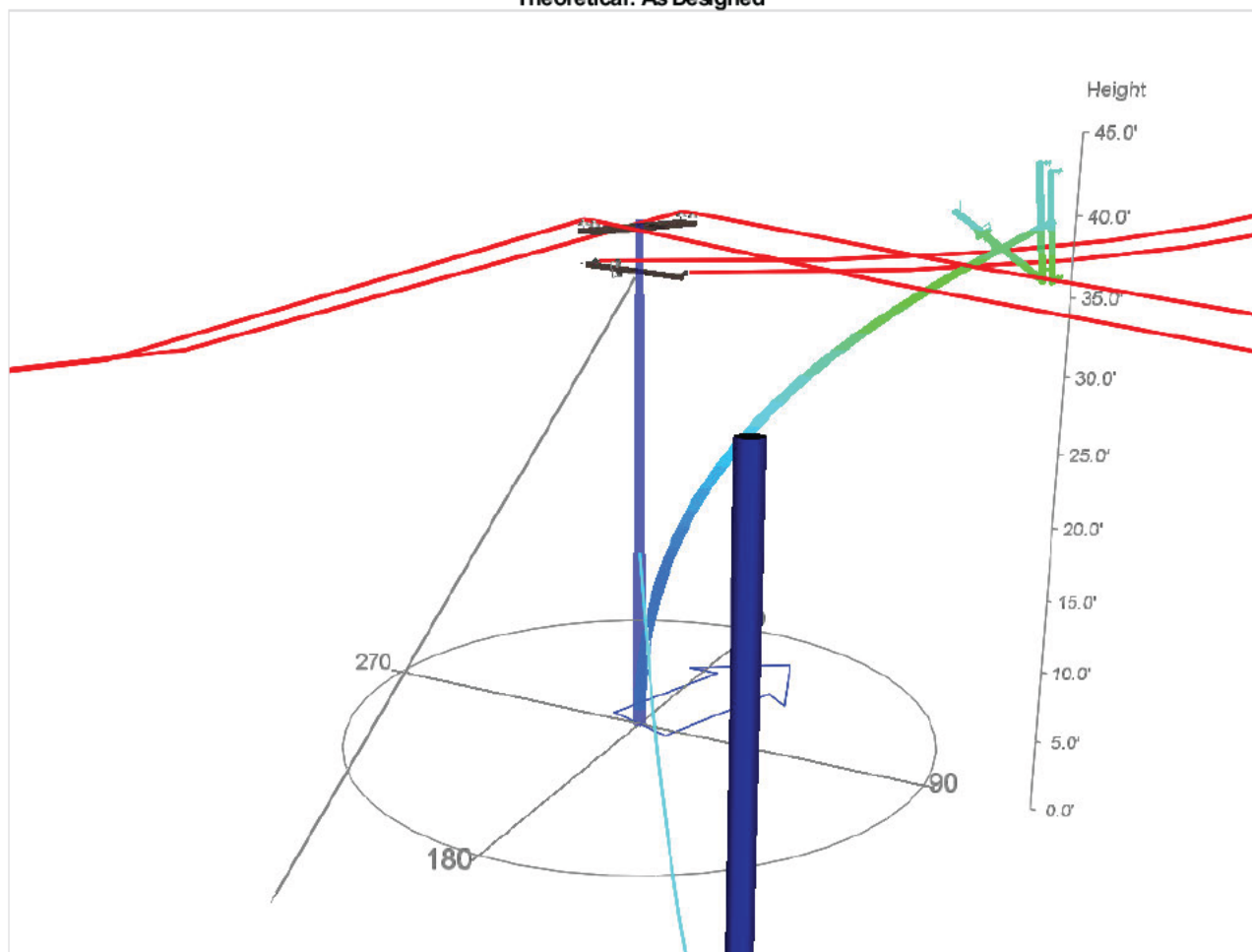
Technician:
Address:
City:
County:
Cross Street :
Remedy:
Comments:

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	45/4	6 27 from stress at 34' 5"	3 9 (Guy#)	No Data	No Data	No Data	No Data	00%	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	6 27 from stress at 34' 5"	2 2 / 7600 lbf/in²	20 °	7600 lbf/in²
Guy#	3 9	4822 / 5400 lbf	20 °	5400 lbf

Wire End Points and Wires

WEF#3												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	227'	5 °	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		
										Tension	Sag	
Wire#5	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	35' 2"	0' 0"	0.28	325.08 lbf	Dynamic	987.26 lbf	6' 0"	
Wire#6	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	35' 2"	0' 0"	0.28	325.08 lbf	Dynamic	978.4 lbf	6' 0"	

WEF#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	97'	0 °	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		
										Tension	Sag	
Wire#2	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.3	345.96 lbf	Dynamic	476.27 lbf	4' 5"	
Wire#4	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.3	345.96 lbf	Dynamic	504.64 lbf	4' 4"	

WEF#4												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	65'	50 °	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		
										Tension	Sag	
Wire#7	25" TELCO Service	Frontier	Communication Service	Service	4' 0"	0' 0"		6 lbf	Dynamic	58.6 lbf	5' "	
Wire#8	25" TELCO Service	Frontier	Communication Service	Service	4' 0"	0' 0"		6 lbf	Dynamic	58.6 lbf	5' "	

WEF#2												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Other Pole	None	656'	290 °	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		
										Tension	Sag	
Wire#	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.25	3 5.5 lbf	Dynamic	5 0.65 lbf	48' 8"	
Wire#3	/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.25	3 5.5 lbf	Dynamic	5 .84 lbf	48' 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

Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	35' 0"	35' 0"	290 °

Anchors

Anchor#1												
Size	Owner	Lead	Direction	Height	Supporting							
" Triple Eye Anchor Rod and Plate	SCE	33' 0"	95 °	0' 0"	Other							
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	In Service, Heavy, 6 lb, Grade A			
Guy#											Pretension	Tension
	3/8" EHS	SCE	34' 6"	44 °	N/A	N/A	N/A	N/A			908.96 lbf	2.93 lbf

Pretension values are calculated at 60°F (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#	0 Foot Double Cross Arm	38' 0"	Bisector	200 °	5' 0"	Insulator# Insulator#2
CrossArm#2	0 Foot Cross Arm	35' 0"	Other	290 °	5' 0"	Insulator#3 Insulator#4

Insulators

ID	Size	Direction	Offset	Wires
Insulator#	2 kV Pin (Cross Arm)	0 °	0' 4"	Wire#2 Wire#3
Insulator#2	2 kV Pin (Cross Arm)	290 °	9' 8"	Wire# Wire#4
Insulator#3	2 kV Deadend	5 °	0' 4"	Wire#5
Insulator#4	2 kV Deadend	5 °	9' 8"	Wire#6

Location 731037E Location Forms

SAP

- Field Inspection Date: 04/ 6/2020
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 53 Kemville
- Region:
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is PO 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: