

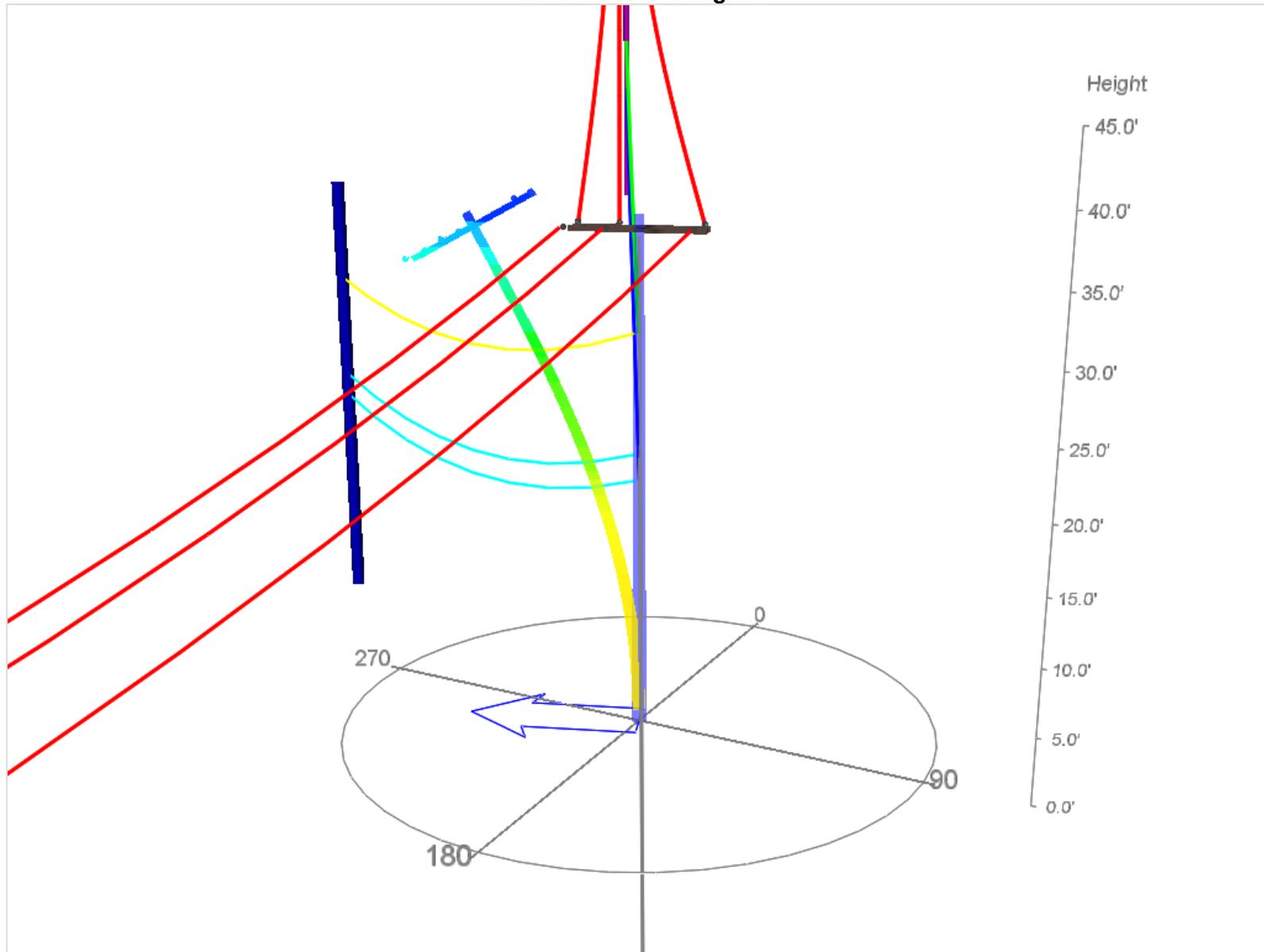
**Location Properties**

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	45/1	3.81 from stress at 4' 11"	2.31 (Guy#1)	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	3.81 from stress at 4' 11"	1993 / 7600 lb/in²	250 °	7600 lb/in²
Guy#1	2.31	6653 / 15400 lbf	50 °	15400 lbf
Guy#2	3.04	5071 / 15400 lbf	50 °	15400 lbf
Guy#3	4.21	1579 / 6650 lbf	240 °	6650 lbf
Guy#4	4.56	2457 / 11200 lbf	240 °	11200 lbf

### Wire End Points and Wires

WEP#1												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Next Pole	None	197'	332 °	Undefined.	7 °	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#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	899 lbf*	Dynamic	1150.21 lbf**	3' 2****	
Wire#5	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	899 lbf*	Dynamic	1163.54 lbf**	3' 2****	
Wire#8	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Full	37' 8"	0' 0"	1	899 lbf*	Dynamic	1130.38 lbf**	3' 3****	
Wire#7	1/0 Al. Triplex	SCE	Secondary	Light Full	30' 0"	0' 0"	1	792 lbf*	Dynamic	1270.13 lbf**	4' 0****	
Wire#11	.5" CATV 1/4" Messenger	Unknown	Communication	Light Full	21' 0"	0' 0"	1	708 lbf*	Dynamic	935.27 lbf**	2' 11****	
Wire#12	.5" TELCO 5/16" Messenger	Unknown	Communication	Light Full	19' 0"	0' 0"	1	1215 lbf*	Dynamic	1385.04 lbf**	2' 2****	

WEP#2												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Previous Pole	None	78'	181 °	Undefined.	-13 °	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 Reduced Guyed	37' 8"	0' 0"	1	98 lbf*	Dynamic	152.74 lbf**	3' 4****	
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	98 lbf*	Dynamic	160.68 lbf**	3' 2****	
Wire#6	1/0 ACSR Tree Wire XLPE	SCE	Primary	Light Reduced Guyed	37' 8"	0' 0"	1	98 lbf*	Dynamic	152.09 lbf**	3' 4****	

WEP#3												
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground					
Building	None	42'	292 °	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#10	4 Al. Triplex Service	SCE	Utility Service	Service	30' 0"	0' 0"	1	11 lbf*	Dynamic	21.09 lbf**	3' 7****	
Wire#13	.25" CATV Service	Unknown	Communication Service	Service	21' 0"	0' 0"	1	4 lbf*	Dynamic	7.89 lbf**	3' 8****	
Wire#14	.25" TELCO Service	Unknown	Communication Service	Service	19' 0"	0' 0"	1	4 lbf*	Dynamic	7.89 lbf**	3' 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.

### Anchors

Anchor#2										
Size		Owner	Lead	Direction	Height	Supporting				
3/4" Double Eye - Anchor Rod and Plate		Unknown	20' 0"	152 °	-15' 0"	Other				
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 12 lb, Grade A	
Guy#3	1/4" EHS	Unknown	21' 0"	29 °	N/A	N/A	N/A	N/A	Pretension	Tension
Guy#4	5/16" EHS	Unknown	19' 0"	30 °	N/A	N/A	N/A	N/A	1052.96 lbf*	-2.58 lbf**
* Pretension values are calculated at 60°F (15.5°C) and without load factors. ** Tension value is calculated without load factors or wind.										
Anchor#1										
Size		Owner	Lead	Direction	Height	Supporting				
1 1/4" Triple Eye - Anchor Rod and Plate		SCE	26' 0"	152 °	-18' 0"	Other				
ID	Size	Owner	Height	Angle	Brace ID	Brace Size	Brace Length	Brace Direction	New, 12 lb, Grade A	
Guy#1	3/8" EHS	SCE	37' 0"	25 °	N/A	N/A	N/A	N/A	Pretension	Tension
Guy#2	3/8" EHS	SCE	29' 6"	29 °	N/A	N/A	N/A	N/A	4196.33 lbf*	7.04 lbf**
* Pretension values are calculated at 60°F (15.5°C) and without load factors. ** Tension value is calculated without load factors or wind.										

Cross Arms							
ID	Size	Height	Association	Direction	Offset	Insulators	
CrossArm#1	10 Foot Double Cross Arm	37' 6"	Other	256 °	5' 0"	Insulator#1, Insulator#2, Insulator#3, Insulator#4, Insulator#5, Insulator#6	

Insulators						
ID	Size	Direction	Offset	Wires		
Insulator#1	16 kV Deadend	332 °	0' 4"	Wire#3		
Insulator#2	16 kV Deadend	181 °	0' 4"	Wire#6		
Insulator#3	16 kV Deadend	332 °	9' 8"	Wire#8		
Insulator#4	16 kV Deadend	181 °	9' 8"	Wire#2		
Insulator#5	16 kV Deadend	332 °	3' 5"	Wire#5		
Insulator#6	16 kV Deadend	181 °	3' 5"	Wire#1		

### Location 1472669E Location Forms

**SAP**

- Field Inspection Date: 02/01/2022
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 59 - Valencia
- Region: ED-NW-NORTHCOA
- 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**

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