

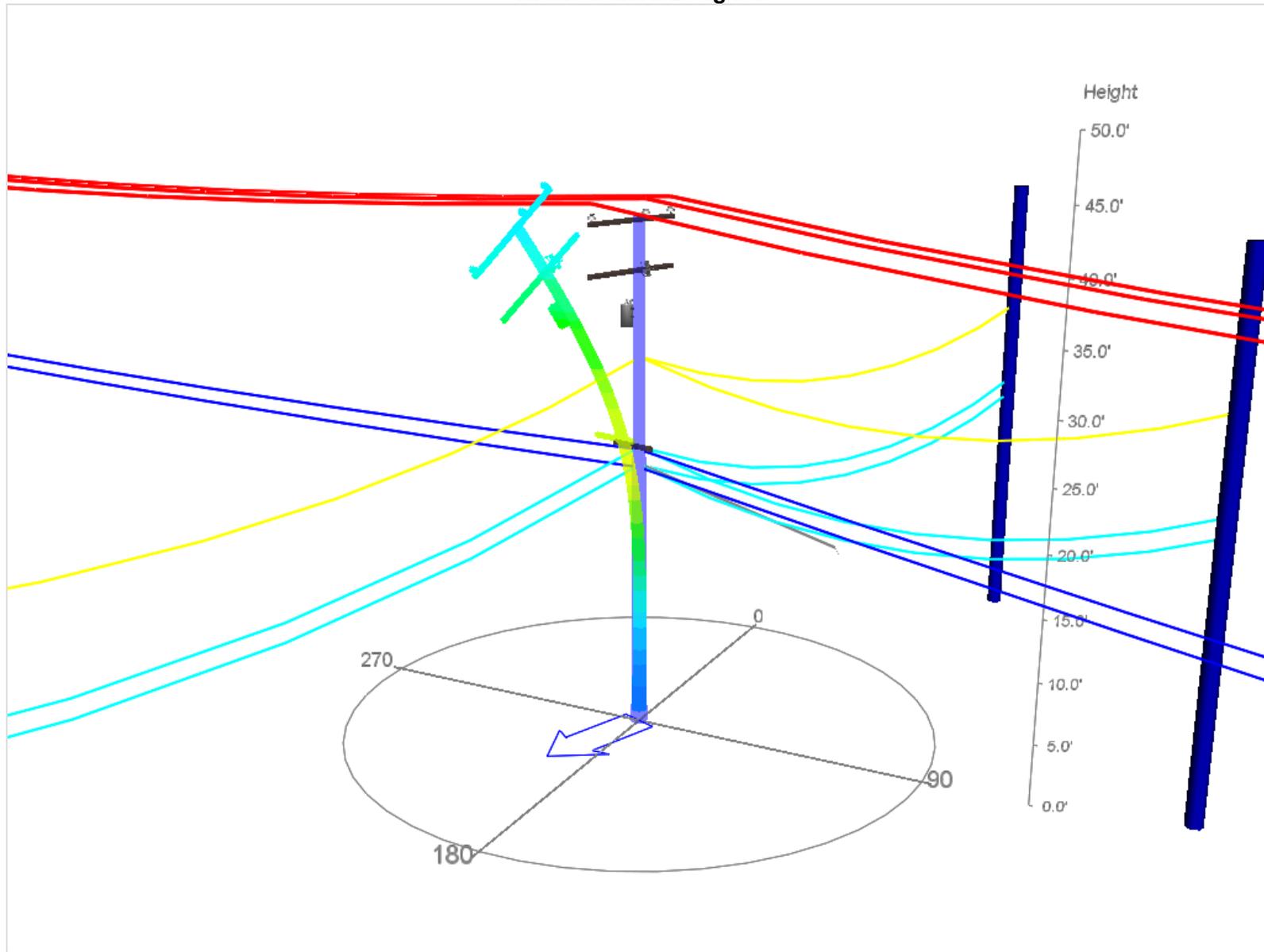
**Location Properties**

|                 |                 |
|-----------------|-----------------|
| 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 | 50/H3             | 4.15 from stress at 24' 0" | 2.05 (Guy#1) | No Data | No Data   | No Data   | No Data        | 100%                    | Y                             | N                             |

Theoretical: As Designed



Analysis Results

Loading

| Component | New, 18 lb, Grade A (Governing Case) |                                |                | Client File Maximum Rating |
|-----------|--------------------------------------|--------------------------------|----------------|----------------------------|
|           | Safety Factor                        | Load (Applied / Allowable)     | Wind Direction |                            |
| Pole      | 4.15 from stress at 24' 0"           | 1833 / 7600 lb/in <sup>2</sup> | 200 °          | 7600 lb/in <sup>2</sup>    |
| Guy#1     | 2.05                                 | 5475 / 11200 lbf               | 190 °          | 11200 lbf                  |

### Wire End Points and Wires

| WEP#2     |                           |                    |               |               |             |                  |                    |                 |                |                     |          |
|-----------|---------------------------|--------------------|---------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|----------|
| Type      | Environment               | Distance           | Direction     | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |          |
| Next Pole | None                      | 137'               | 276 °         | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |          |
| ID        | Size                      | Owner              | Group         | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |          |
| Wire#6    | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.38               | 359.86 lbf*     | Dynamic        | 939.97 lbf**        | 2' 8**** |
| Wire#7    | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.38               | 359.86 lbf*     | Dynamic        | 926.63 lbf**        | 2' 8**** |
| Wire#8    | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.38               | 359.86 lbf*     | Dynamic        | 908.22 lbf**        | 2' 9**** |
| Wire#9    | .5" CATV 1/4" Messenger   | Time Warner Cable  | Communication | Light Full    | 24' 0"      | 0' 0"            | 1                  | 708 lbf*        | Dynamic        | 1146.44 lbf**       | 1' 7**** |
| Wire#10   | .5" TELCO 5/16" Messenger | Verizon California | Communication | Light Full    | 22' 6"      | 0' 0"            | 1                  | 1213 lbf*       | Dynamic        | 1741.69 lbf**       | 1' 1**** |

| WEP#1         |                           |                    |               |               |             |                  |                    |                 |                |                     |          |
|---------------|---------------------------|--------------------|---------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|----------|
| Type          | Environment               | Distance           | Direction     | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |          |
| Previous Pole | None                      | 178'               | 113 °         | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |          |
| ID            | Size                      | Owner              | Group         | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |          |
| Wire#1        | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.31               | 283.65 lbf*     | Dynamic        | 831.8 lbf**         | 5' 4**** |
| Wire#2        | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.31               | 283.65 lbf*     | Dynamic        | 835.56 lbf**        | 5' 4**** |
| Wire#3        | 1/0 ACSR Tree Wire XLPE   | SCE                | Primary       | Light Full    | 44' 1"      | 0' 0"            | 0.31               | 283.65 lbf*     | Dynamic        | 840.6 lbf**         | 5' 4**** |
| Wire#4        | .5" CATV 1/4" Messenger   | Time Warner Cable  | Communication | Light Full    | 24' 0"      | 0' 0"            | 1                  | 708 lbf*        | Dynamic        | 1039.65 lbf**       | 3' 0**** |
| Wire#5        | .5" TELCO 5/16" Messenger | Verizon California | Communication | Light Full    | 22' 6"      | 0' 0"            | 1                  | 1214 lbf*       | Dynamic        | 1435.37 lbf**       | 2' 4**** |

| WEP#3    |                         |                    |                       |               |             |                  |                    |                 |                |                     |           |
|----------|-------------------------|--------------------|-----------------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|-----------|
| Type     | Environment             | Distance           | Direction             | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |           |
| Building | None                    | 48'                | 24 °                  | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |           |
| ID       | Size                    | Owner              | Group                 | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |           |
| Wire#13  | 1/0 Al. Triplex Service | SCE                | Utility Service       | Service       | 31' 6"      | 0' 0"            | 1                  | 28 lbf*         | Dynamic        | 28.1 lbf**          | 4' 5****  |
| Wire#15  | .25" CATV Service       | Time Warner Cable  | Communication Service | Service       | 24' 0"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 4.01 lbf**          | 4' 10**** |
| Wire#19  | .25" TELCO Service      | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 4.01 lbf**          | 4' 10**** |
| Wire#23  | .25" TELCO Service      | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 4.01 lbf**          | 4' 10**** |

| WEP#4    |                       |                    |                       |               |             |                  |                    |                 |                |                     |          |
|----------|-----------------------|--------------------|-----------------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|----------|
| Type     | Environment           | Distance           | Direction             | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |          |
| Building | None                  | 45'                | 87 °                  | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |          |
| ID       | Size                  | Owner              | Group                 | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |          |
| Wire#12  | 4 Al. Triplex Service | SCE                | Utility Service       | Service       | 31' 6"      | 0' 0"            | 1                  | 11 lbf*         | Dynamic        | 52.09 lbf**         | 4' 1**** |
| Wire#16  | .25" CATV Service     | Time Warner Cable  | Communication Service | Service       | 24' 0"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 19.63 lbf**         | 4' 3**** |
| Wire#17  | .25" CATV Service     | Time Warner Cable  | Communication Service | Service       | 24' 0"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 19.63 lbf**         | 4' 3**** |
| Wire#18  | .25" TELCO Service    | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 19.63 lbf**         | 4' 3**** |
| Wire#21  | .25" TELCO Service    | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 4 lbf*          | Dynamic        | 19.63 lbf**         | 4' 3**** |

| WEP#5    |                       |          |                 |               |             |                  |                    |                 |                |                     |          |
|----------|-----------------------|----------|-----------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|----------|
| Type     | Environment           | Distance | Direction       | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |          |
| Building | None                  | 83'      | 191 °           | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |          |
| ID       | Size                  | Owner    | Group           | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |          |
| Wire#11  | 4 Al. Triplex Service | SCE      | Utility Service | Service       | 31' 6"      | 0' 0"            | 1                  | 32 lbf*         | Dynamic        | Tension             | Sag      |
|          |                       |          |                 |               |             |                  |                    |                 |                | 32.56 lbf**         | 4' 9"*** |

| WEP#6    |                    |                    |                       |               |             |                  |                    |                 |                |                     |           |
|----------|--------------------|--------------------|-----------------------|---------------|-------------|------------------|--------------------|-----------------|----------------|---------------------|-----------|
| Type     | Environment        | Distance           | Direction             | GPS Point     | Inclination | Measured Between | Measured to Ground |                 |                |                     |           |
| Building | None               | 121'               | 208 °                 | Undefined.    | 0 °         | N/A              | N/A                |                 |                |                     |           |
| ID       | Size               | Owner              | Group                 | Tension Group | Height      | Midspan          | TAF                | Initial Tension | Tension Method | New, 18 lb, Grade A |           |
| Wire#14  | .25" CATV Service  | Time Warner Cable  | Communication Service | Service       | 24' 0"      | 0' 0"            | 1                  | 11 lbf*         | Dynamic        | Tension             | Sag       |
| Wire#20  | .25" TELCO Service | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 11 lbf*         | Dynamic        | 11.1 lbf**          | 11' 1"*** |
| Wire#22  | .25" TELCO Service | Verizon California | Communication Service | Service       | 22' 6"      | 0' 0"            | 1                  | 11 lbf*         | Dynamic        | 11.1 lbf**          | 11' 1"*** |

\* 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#1 | Fuse Arm with 2 Cutouts | SCE   | Cutout Arrestor | 38' 6" | 38' 6"        | 14 °      |
| Equip#2 | 25 kVA Transformer      | SCE   | Transformer     | 35' 6" | 35' 6"        | 284 °     |

**Anchors**

| Anchor#1                             |           |                    |           |        |            |            |              |                 |                     |             |
|--------------------------------------|-----------|--------------------|-----------|--------|------------|------------|--------------|-----------------|---------------------|-------------|
| Size                                 | Owner     | Lead               | Direction | Height | Supporting |            |              |                 |                     |             |
| 1" Triple Eye - Anchor Rod and Plate | SCE       | 21' 0"             | 31 °      | 12' 0" | Other      |            |              |                 |                     |             |
| ID                                   | Size      | Owner              | Height    | Angle  | Brace ID   | Brace Size | Brace Length | Brace Direction | New, 18 lb, Grade A |             |
| Guy#1                                | 5/16" EHS | Verizon California | 22' 6"    | 63 °   | N/A        | N/A        | N/A          | N/A             | Pretension          | Tension     |
|                                      |           |                    |           |        |            |            |              |                 | 1301.48 lbf*        | -2.99 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 Cross Arm | 42' 6" | Other       | 14 °      | 5' 0"  | Insulator#1, Insulator#2, Insulator#3 |
| CrossArm#2 | 4 Foot Cross Arm  | 24' 6" | Other       | 284 °     | 2' 0"  |                                       |
| CrossArm#3 | 10 Foot Cross Arm | 38' 6" | Other       | 14 °      | 5' 0"  |                                       |

**Insulators**

| ID          | Size                   | Direction | Offset | Wires          |
|-------------|------------------------|-----------|--------|----------------|
| Insulator#1 | 16 kV Post (Cross Arm) | 113 °     | 9' 8"  | Wire#1, Wire#6 |
| Insulator#2 | 16 kV Post (Cross Arm) | 113 °     | 3' 4"  | Wire#2, Wire#7 |
| Insulator#3 | 16 kV Post (Cross Arm) | 113 °     | 0' 4"  | Wire#3, Wire#8 |

## Location 1429411E Location Forms

## SAP

- Field Inspection Date: 04/17/2020
- High Fire: Extreme
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 27- Monrovia
- Region: ED-SE-METROEAS
- Above 3000 Ft Elevation: No
- As Designed Work Type: New
- 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: