

GUARDIAN

HELICOPTERS, INC.

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST:

- ☐ SAFETY BRIEF SIGN IN
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

Mission Cyn pl SANTA Barbara
9-17-2019
(1) 45CL5 wood + (1) 45CL1 Composite +
MAX 1200 LBS
NON-CAP
LZ away from pole set site
TD 1456280

DUST MASK: BURN AREA, DUST, POLLEN EXPOSURE

- ☐ HELICOPTER DOOR REMOVAL AND FIRE EXTINGUISHER LOCATION
- ☐ PPE REQUIREMENTS (GLOVES, EYE PROTECTION, HARD HAT WITH CHIN STRAP)
- ☐ PILOT/GROUND CREW COMMUNICATIONS/ LOST COMMUNICATIONS

PROCEDURES

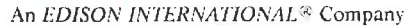
- ☐ POTENTIAL STATIC CHARGE CAUSED BY HELICOPTER
- ☐ SITE PLAN / FLIGHT PATH
- ☐ FALL, PINCH, CRUSH DANGER POINTS
- ☐ RIGGING OPERATIONS CONNECTING AND DISCONNECTING CRANE HOOK AND SPREADER BAR HOOK
- ☐ PROPER SECURING OF EQUIPMENT / TOOLS IN SUPER SACK AND ON LONG LINE
- ☐ STREET CLOSURE / EVACUATION USE DIAGRAM TO ENSURE ALL HOMES ARE CLEAR
- ☐ NO CELL PHONES OR CAMERA USED BY GROUND CREW

Pilot:

Support Crew:

Location:**Mission:****Aircraft:**[illegible]

AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight emergencies Establish who will call 911 ☐ Location of: o First aid/survival kit o Fire extinguisher o Fuel and battery shut off procedure o Radios, ELT, SAT Phone ☐ Fueling Operations: - Duties & Safety Issues	☐ Weather conditions ☐ Wind direction ☐ Fuel ☐ Gross weight ☐ Terrain ☐ Landing zone hazards ☐ Density altitude ☐ Noise abatement ☐ Congested area plan ☐ Traffic/crowd control CRM ☐ COMMUNICATION IS CRITICAL ☐ Standardized language ☐ "Code Red" phrases ☐ Sterile cockpit ☐ Flight following/radio procedures ☐ Possible tasks for crew, e.g., switch/tune radios, maps ☐ Hazard awareness, e.g., birds, other hazards ☐ STOP work policy ☐ Re-brief in case scope changes ☐ IMSAFE Acronym Pilot fatigue mitigation must be briefed prior to work	☐ Ground crew PPE ☐ Long Line & Rigging Equipment Inspection ☐ Communication: Use of headset for lineman communicating with pilot ☐ Head/Hand Signals ☐ Pole set procedures: Brief how pole will be secured: 1) Taglines 2) Pikes 3) fill dirt ☐ Steps on pole ☐ Remote hook operations ☐ Ground crew hook up procedures ☐ Static discharge ☐ Emergency flyaway procedures ☐ Long line clearance (6'- 25'- 150% rule) ☐ No person under load ☐ Ground crew safety zone ☐ Pole removal with potential snag issues must be discussed ☐ Nylon straps (wood vs. glass) ☐ Load ratings (7:1 minimum) ☐ Dry Run/Play by play pole set Procedures ☐ Induced Voltage from: - Adjacent circuits, Underbuild, Parallel circuits etc. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only



☐ Week 3



SECTION 7

Part 135 GH 4A Part 133 GH 4L

UN Congested Area Plan
(Submit in duplicate)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER NUMBER: TD1456280
ADDRESS: 1234 MISSION CANYON PL : SANTA BARBARA CA
LZ STAGING AREA LATITUDE 34°28'15.42"N LONGITUDE 119°40'46.27"W ELEVATION 2200 FT
POLE STAGING AREA LATITUDE 34°27'38.50"N LONGITUDE 119°42'26.51"W ELEVATION: **1000 FT**
POLE 1523778E LATITUDE 34°27'39.64"N LONGITUDE 119°42'24.57"W ELEVATION: **1000 FT**
CONTRACTOR'S NAME: HOT LINE CONSTRUCTION PHONE#: 209-401-6364
CONTACT AT SITE: WAYNE RHODES PHONE #: 209-401-6364
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828

TYPE OF AIRCRAFT:

BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH A/C CATEGORY: STANDARD
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
AS350 B2 N# N498PT A/C CATEGORY: STANDARD
AS350 B3 N# N718GH A/C CATEGORY: STANDARD
AS350 B3 N# N215GH A/C CATEGORY: STANDARD

TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: 1 POLE ↓ 1 POLE ↑ 45 CL 1 COMPOSITE 1200 LBS

MAX SINGLE – LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: 4 LONG LINE: (NO) XXX (YES) 100 FT + 45 FT POLE = 145 FT

(LENGTH) **WE WILL MAINTAIN A MINIMUM OF THAT SUM AWAY FROM HOMES EDGE OF OPERATING AREA**

OPERATIONAL ALTITUDE: < 50 STREET CLOSING: (NO) XXX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-17-2019-2019	SUNRISE	SUNSET	6-3-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
POLICE DEPARTMENT	805-681-4100	WATCH COMMANDER	NOTIFIED
FIRE DEPARTMENT	805-365-5254	STATION 4	NOTIFIED
AIR TRAFFIC CONTROL	805-683-4011	SANTA BARBARA AIRPORT	NOTIFIED



UN Congested Area Plan (Continued)
(Submit in duplicate)



LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS
ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
1412 PASEO DEL OCASO	VACANT DURING OPS	HAND DELIVER
# UNKNOWN PASEO DEL OCASO	VACANT DURING OPS	HAND DELIVER
1234 MISSION CANYON PL (4 BUILDINGS)	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	VACANT DURING OPS	HAND DELIVER
BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD



UN Congested Area Plan (Continued)
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Narrative description of pick-up site, route, delivery site, and plan for ceasing operation if unauthorized persons enter operational area or real hazard occurs.

SITE INSPECTION NOTES

ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE EVENT AN UNAUTHORIZED PERSON ENTERS THE OPERATIONS AREA OR A POTENTIAL HAZARD IS IDENTIFIED THE PILOT WILL HOLD THE AIRCRAFT IN RELATIVE POSITION. THIS WILL BE ACHIEVED WITHOUT OVER FLYING THE GROUND CREW. ALL OPERATIONS WILL BE CEASED UNTIL THE PROBLEM IS RECTIFIED. IN THE EVENT OF AN AIRCRAFT EMERGENCY, THE PILOT WILL RADIO GROUND PERSONNEL AND WILL ATTEMPT TO LAND IN THE EMERGENCY LANDING AREA.. ALL BUILDINGS IN THE OPERATING AREA WILL BE VACANT.

DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM TO BE RECTIFIED.

THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

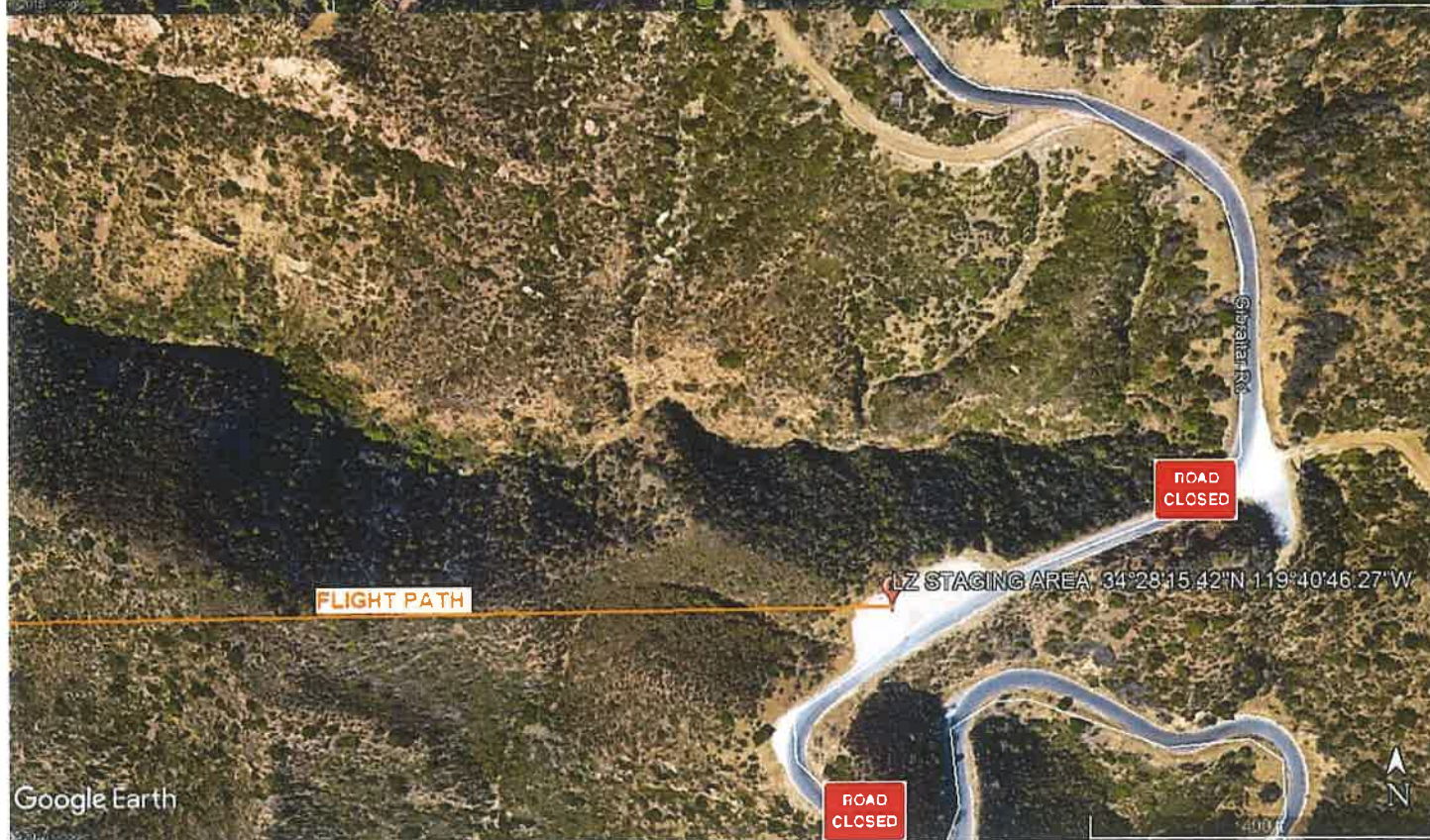
A TAILBOARD SAFETY MEETING WILL BE CONDUCTED PRIOR TO BEGINNING ANY HELICOPTER OPERATIONS

THE AIRCRAFT WILL UTILIZE THE FLIGHT PATH IN DIAGRAM TO ENTER AND EXIT THE OPERATING AREA

1. THE HELICOPTER LAND AT THE LZ TO CONNECT THE LONGLINE AND WILL FLY TO THE POLE STAGING AREA WITHOUT OVERFLYING AND BUILDINGS OR ROADS
2. IF REQUIRED FUELING OPERATIONS BE CONDUCTED AT THE LZ
3. THE POLES WILL BE STAGED AT THE STAGING AREA
4. WATER TRUCK IS REQUIRED AT THE LANDING ZONE
5. PASEO DEL OCASO AND GIBRALTAR ROAD WILL EXPERIENCE INTERMITTENT CLOSURES DURING OPERATION
6. PRIOR TO BEGINNING LIFT OPERATIONS FLAGMAN AND GHI GROUND CREW WILL ENSURE HOMES THAT REQUIRE EVACUATION ARE VACANT. **USE THE LIST OF ADDRESSES AND THE DIAGRAM TO MAKE SURE ALL HOMES WITHIN THE OPERATING AREA ARE EVACUATED.**
7. THE EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE CLEARING ON THE FLIGHT PATH
8. 3 ADDRESSES (6 BUILDINGS) WILL BE EVACUATED IN ADDITION ALL STRUCTURES WITHIN THE OPERATING AREA WILL BE VACANT
9. SANTA BARBARA COUNTY SHERIFF AND FIRE DEPARTMENT WILL BE NOTIFIED.
10. THE SECURE AREA IS GREATER THEN 300 FT IN ALL DIRECTIONS FROM THE ATTACH AND RELEASE AREAS
11. **UH-1H WILL FLY TO AND FROM THE PART 133 OPERATING AREA USING THE ASSIGNED AND APPROVED FLIGHT PATH FROM THE RAILROAD TRACKS TO THE JOB SITE AVOIDING FLYING OVER ANY STRUCTURES.**



GUARDIAN
HELICOPTERS, INC.







LEGEND

SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH

LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

6-3-2019

DATE OF SUBMISSION

Jeffrey M. Jentna

COMPANY OFFICIAL / TITLE



Dear neighbor,

Guardian Helicopters Inc is a subcontractor of Southern California Edison (SCE). We will be working in your neighborhood to upgrade its electrical facilities to provide you a modern and reliable power grid. Your safety is our highest priority during this construction activity. We apologize for any inconvenience this may cause and will make every effort to minimize potential impacts during construction activities. Thank you for your patience as we complete these upgrades for you.

Upgrades in Your Area

We will be using a helicopter to set new utility pole.

What to Expect

- **Federal Aviation Administration regulations require we take certain precautions to ensure the safety of the public during our operation. To do this your residence must be completely vacated while the helicopter sets the new utility pole. At no time will our helicopter over fly any residence with a load attached.**
- **GIBRALTAR RD AND PASEO DEL OCASO WILL EXPERIENCE INTERMITTENT CLOSURES DURING OPERATION**
- Guardian Helicopters primary concern during this operation is the general safety of the general public. We recommend measure to ensure the safety and control of any livestock during the period of helicopter operations.
- **Work Timeline***
- Date: 9-17-2019
- Hours: 8:00 a.m. – 6:00 p.m.

The timeframe for the evacuation is approximately 120 minutes once all residents have left.

A Guardian Helicopter Inc representative will make contact with you and/or any responsible persons at your residence with further instructions shortly before the aircraft operation is to take place. Please notify all family members, workers, or anyone who may be at your residence on this date of the evacuation. It is important to us that our activity presents as little inconvenience to you as possible.

Project Area

THE POLE WILL BE STAGED ON THE DRIVEWAY LEADING TO 1234 MISSION CANYON PL



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Safety Tips

- Please close and secure back yard umbrellas and canopies
- Close all doors and windows to prevent dust from entering your home
- If possible ensure your animals are secure or clear of the area.

16425 Hart Street Van Nuys, California 91406 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com



If you have any questions or concerns please feel free to give me a call. In addition I will be on site and can be reached on my cell phone.

Best regards,

A handwritten signature in blue ink that reads "Jeffrey M. Teubner". The signature is stylized with a large, flowing "J" and "T".

Jeffrey M. Teubner

Flight Coordinator

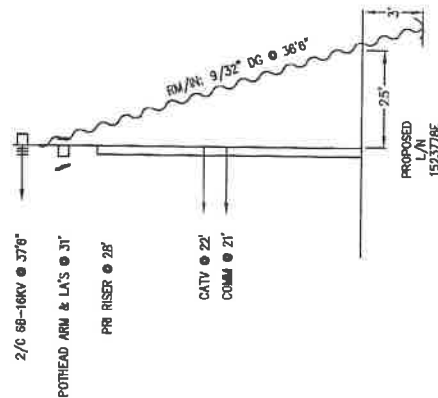
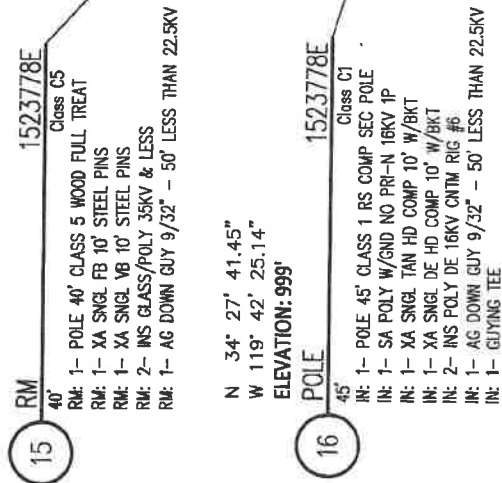
818-442-9904 office

818-621-3794 cell

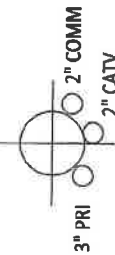
* NOTES: JOINT POLE

SURGE ARRESTOR KIT MODIFIED TO INCLUDE
CAL-FIRE EXEMPT SURGE ARRESTOR
COMPOSITE POLE
ENVIRO POLE - WOODPECKER DAMAGE
REAR PROPERTY LINE POLE
JOINT MEET - MULTIPLE RISER/COMM RISER
BULLETIN 322 AREA
EAGLE ZONE
HAND SET
SET SAME HOLE

TRANSFER (S):
2/C 6B-16KV
2-16KV POTHEADS
1-3" PRI RISER



EXISTING
RISER DETAIL



PROJECT REQUIREMENTS (X/M)	
EDISON EXEMPT REQUIRED	☒
PRD OF REQUIRED	☒
US CIVIL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
PERMIT TIME	OUTAGE REQUIRED
OUTAGE DATE	TIME
TRAFFIC CONTROL REQUIRED	☒
PEDESTAL TRAFFIC CONTROL REQD	☒
CONFORMANCE LETTER REQD	☒
ENVIRONMENTAL CLEARANCE REQD	☒
CSD 140 (TUM) REQD	☒

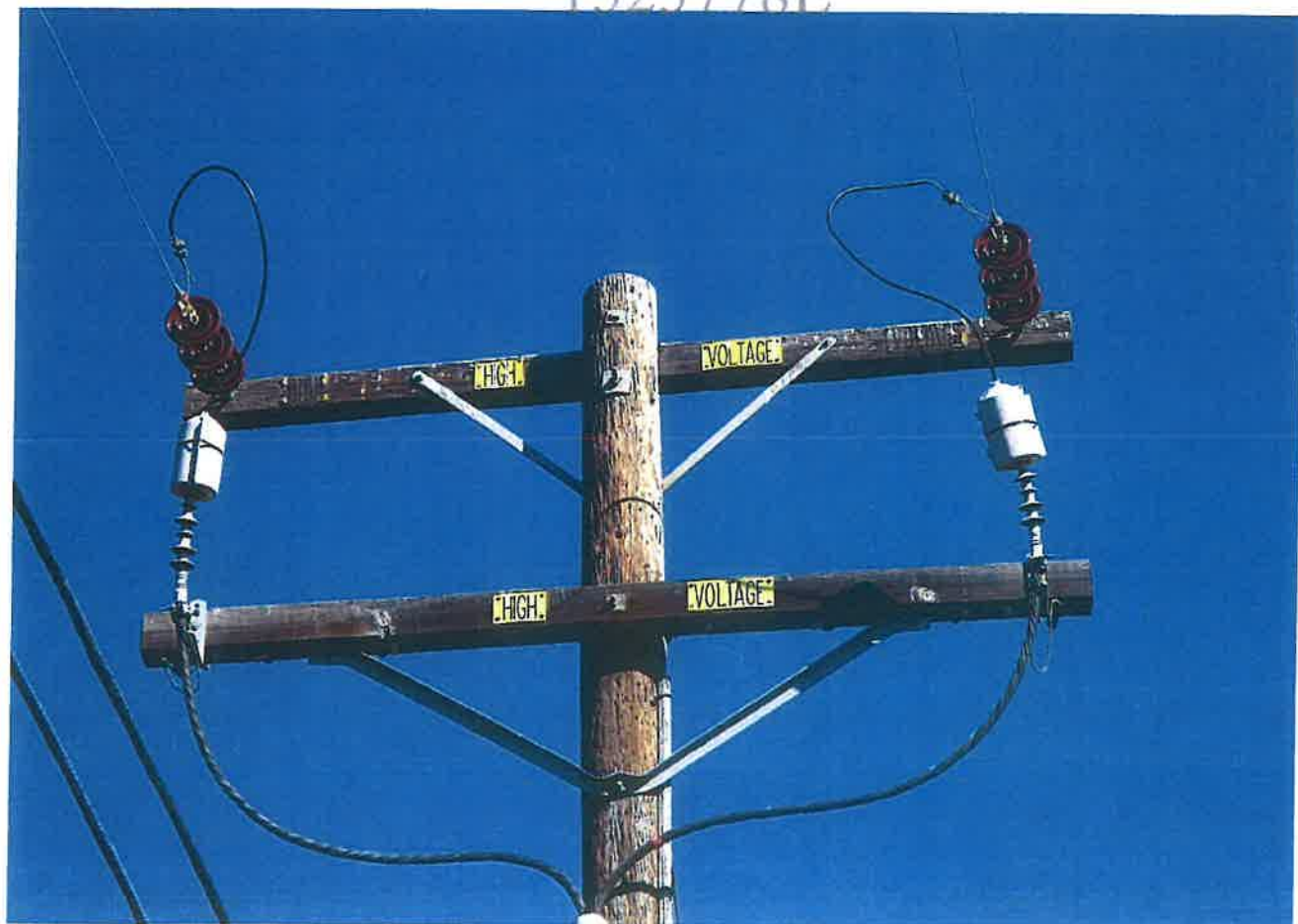
DISTRICT	PROJ. MOR. PARK, JU	PLANNER	ASP	DESIGNER	ASP
49 - SANTA BARBARA	PHONE 903-222-9350	PHONE 714-883-2405	PRODUCT-1	ASSOC DESIGN	
PROJECT NO. 1665466	SERVICE REQUEST 2572593	MSR NO. 1456280	INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN	
CIRCUIT / VOLTAGE	THOMAS GUIDE	CIRCUIT CODE	PRODUCT-2	ASSOC DESIGN	
HURST 16KV	SUB / PG NO.	J.P.A. NO. 409654913	PRODUCT-3	ASSOC DESIGN	
SAN MARCOS SUB	INVENTORY MAP 19-57B	PROPOSED CONSTRUCTION (LOCATION)			
		POLE # 1523778E			
		1234 MISSION CANYON PL			
		SANTA BARBARA, CA			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
				ASP	
Southern California Edison Company					
DESIGNATING NO.					1079424_0.01



NOT TO SCALE



1523778E





1523778E

