

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: *Goleta*

- ☐ SAFETY BRIEF SIGN IN *6-12-2020*
- ☐ GHI CREW INTRODUCTION *6-13-2020*
- ☐ IS A TRANSLATOR REQUIRED *6-14-2020*
- ☐ WORK STOP AUTHORITY *NON CAP*
- ☐ DESIGNATE A 911 CALLER *HEC / pole set*
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES *Pole 45C1 1900CBS*
- ☐ CREW FATIGUE AND HYDRATION *TD 1509113*
- ☐ 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

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

Non-compliance with established procedures may result in your removal from the mission

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



SOUTHERN CALIFORNIA
EDISON

An EDISON INTERNATIONAL Company

SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: airops@sce.com or fax to 909-974-4678. Once this form is received by Aircraft Operations, you will receive a response within 24 hours. For questions call SCE Aircraft Operations Dispatch at PAX 11676.

Requestor Information

Flight requested by:*	CHRISTIAN OROZCO
Department:*	HOTLINE CONSTRUCTION INC
Pax:*	N/A
Cell Number:*	805-561-2410
Email Address:*	COROZCO@hotlineconstructioninc.com

SAP Accounting Number*	TD1509113
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Flight Description

Please choose a mission type:

- | | | |
|---|--------------------------------------|---|
| ☐ Camera – HD/IR | ☐ Line String | ☒ Pole-set |
| ☐ Crew support | ☐ Passenger | ☐ Recon |
| ☐ External Load | ☐ Patrol | ☐ Training |
| ☒ HEC | ☐ Photo | ☐ Need more info, please contact |

Mission specific details (ex: Passenger name, pole size/weight, external load type, etc):

LONG LINE DIGGERS AND EQUIPMENT, 2 DAYS DIGGING 1 DAY FOR POLE SET
540970E RM: 40' CL 5 WOOD, 900 LBS IN:45' CL 1 WOOD, 1900 LBS

General Operating Location	SANTA BARBARA
District	49
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	
Time of Pick-up	0800
Approx. mission duration (if known)	8HRS
Back-up date for mission (if known)	

Authorizer	
Authorizer PAX and cell number	

**required information*

APPROVED

By Omar Sharif at 2:48 pm, Apr 07, 2020

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1

☐ Week 2

☐ Week 3



SECTION 7

Part 135 GH 4A Part 133 GH 4L
NON Congested Area Plan

Operator: Guardian Helicopters, Inc
67 D STREET
FILLMORE , CA 93015
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON HEC AND POLE REPLACEMENT WORK ORDER #: TD 1509113

ADDRESS: LAS VARAS CANYON ROAD : GOLETA CA

LZ STAGING AREA LATITUDE 34°27'44.68"N LONGITUDE 119°58'3.72"W

540970E LATITUDE 34°28'25.19"N LONGITUDE 119°57'58.69"W 45 CL 1 WOOD 1900 LBS

CONTRACTOR'S NAME: CHRISTIAN OROZCO PHONE#: 805-561-2410

PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166

2. BUCKEY MACKAY CERT #: 2778051

3. MICHAEL KLINK CERT#: 3018828

4. IAN GOODALE CERT#: 3741973

5. ROSS GOULET CERT# : 3396777

TYPE OF AIRCRAFT:

BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED

BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTED

BELL 407 N# N407GH A/C CATEGORY: STANDARD

BELL 407 N# N447GH 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 3 POLES POLE REPLACEMENT ONLY

MAX SINGLE – LIFT WEIGHT: 1900 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: 4 LONG LINE: (NO) XXX (YES) LESS THEN 100 FT (LENGTH)

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

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
6-12-2020	SUNRISE	SUNSET	6-2-2020
6-13-2020	SUNRISE	SUNSET	6-2-2020
6-14-2020	SUNRISE	SUNSET	6-2-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA BARBARA COUNTY FIRE	(805) 965-5254	STATION 4	NOTIFY
SANTA BARBARA COUNTY SHERIFF	(805) 681-4100	DISPATCH	NOTIFY



**GUARDIAN
HELICOPTERS, INC.**

NON- Congested Area Plan (Continued)

Evacuation



No Evacuated Structures



Evacuated Structures

Crowd Control



Operator



Contractor

Street Closure



Yes



No



Contractor



Operator

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
REMOTE NO EVACUATIONS	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	VACANT DURING OPS	HAND DELIVER

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.

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 HELD AT THE ASSIGNED AREA PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER WILL AT THE LANDING ZONE AREA TO CONDUCT A TAILBOARD
2. FUELING WILL ONLY BE CONDUCTED AT THE LZ STAGING AREA
- 3 THE POLES WILL BE STAGED AT THE LZ
6. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
7. REMOTE AREA NO EVACUATIONS
8. WATER TRUCK IS REQUIRED AT LZ
- 9 LAS VARAS CANYON ROAD WILL EXPERIENCE INTERMITTENT CLOSURES DURING OPERATION SEE DIAGRAM
10. TREE TRIMMER IS REQUIRED

OPERATIONS AREA DIAGRAM





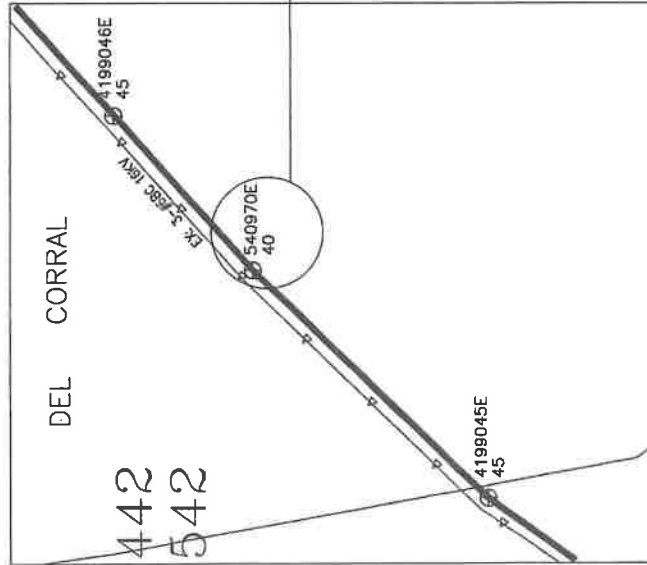
LEGEND

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)	

AREA SURVEY CONDUCTED BY: Jeffrey M. Jentura

- NOTES:
- SCE TO PTD
 - HARD SET NORTHEAST
 - EAGLE ZONE
 - NO TRUCK ACCESS
 - HAND DIG
 - HELICOPTER SET REQ'D
 - TREE TRIMMING REQ'D
 - BULL 322 AREA
- TRANSFER:
- 6--#8BC 16KV
 - 1-1/2 +5/16 TELCO 3BOLT



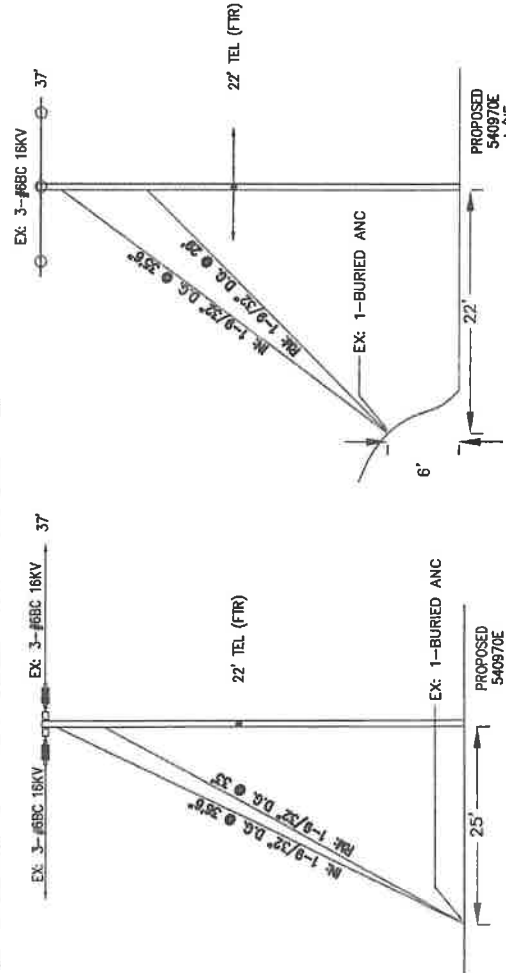
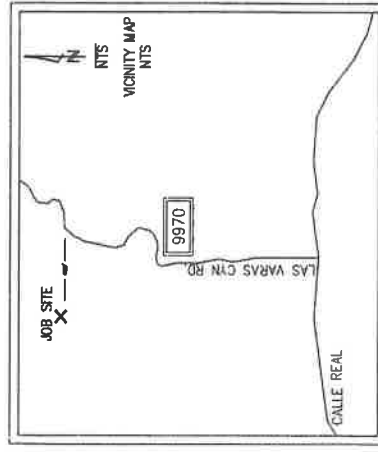
RM 40' **540970E** 1
Class C5

RM: 1- RM POLE 40' CLASS 5 WOOD FULL TREAT
RM: 1- XA DBL V8 10' STEEL PINS
RM: 6- INS GLASS/POLY 35KV & LESS
RM: 3- INS GLASS & PIN 16KV
RM: 2- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV

GPS COORDINATES
N: 34° 28' 25.21"
W: 119° 57' 58.69"
ELEVATION: 484'

POLE 45' **540970E** 2
Class C1

IN: 1- POLE 45' CLASS 1 WOOD FULL TREAT
IN: 1- XA DBL HD DE COMP 10'
IN: 6- INS POLY DE 16KV RIG #6
IN: 3- INS POLY W/PIN 16KV CLAMP #6-4/0 CU
IN: 2- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
IN: 1- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653



DISTRICT	49 - SANTA BARBARA	PRIN. MGR. TOLMASOFF, LAURA	W. PLANNER TIDWELL DESIGN	DESIGNER TIDWELL	DESIGN
PROJECT NO.	1734633	SERVICE REQUEST	PHONE (714) 756-5811	PHONE (805) 647-4707	ASSOC DESIGN
CIRCUIT / VOLTAGE	2640325	MSR NO.	1509113	PRODUCT-1	ASSOC DESIGN
MIST 16KV	N/A	THOMAS GUIDE	1509113	PRODUCT-2	ASSOC DESIGN
SUB / PG NO.	CAPITAN	CIRCUIT CODE	PRODUCT-3	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP	21-43	J.P.A. NO.	E6049-410044800	PROPOSED CONSTRUCTION (LOCATION)	
				540970E	
				9970 CALLE REAL	
				GOLETA	
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
				TIDWELL	
Southern California Edison Company					DESIGN/WORKING NO.
					1120550_0.01

540970E



**Dist.49 Deteriorated Pole
L / NE**

540970E



**Dist.49 Deteriorated Pole
L / NE**