

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

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

China peak
11-5-2019

3 poles 55 cti composite 1750(B)
LZ China peak
TD 1438200 TD 1342426

[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 ☐ <u>IMSAFE Acronym</u> 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

San Joaquin Region Helicopter Set Date 11/5/2019

#	Circuit	TD. #	Fly Date	Sta	Str. #	Pole Size	Weight	Elev	Coordinates	Pole pickup loc
1	China Peak 12kV	TD1438200	11/5/2019	1 & 2	1749916E	55' COMP	1500	7374	37.243832 -119.160524	New poles will be staged at LZ
2	China Peak 12kV	TD1438200	11/5/2019	3 & 4	1749917E	55' COMP	1500	7374	37.243832 -119.160524	37.235736 -119.152532
3	China Peak 12kV	TD1342426	11/5/2019	3 & 4	1749914E	45' WOOD	OLD POLE	7410	37.242793 -119.160314	New pole has already been set
4										Just need to fly old pole out to LZ
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

LZ: CHINA PEAK, Tailboard with crews at 0730

Town: HUNTINGTON LAKE

GPS 37.235736 -119.152532

Elevation 7130'

Hot Line Contacts

Coby White

925-529-0524

cwhite@hotlineconstructioninc.com

SCE PGS Contacts:

Charlie Calvo (559)280-7850 chuck.calvo@sce.com

Kevin Holmes (559)331-9091 kevin.holmes@sce.com

Notes:

GF suggests using a 150' long line due to trees

6-8 picks per pole for tools, material, new pole & remove old pole & might have to help transfer wire with helicopter

Can helicopter company bring water bucket if needed to fight fire



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 POLE REPLACEMENT WORK ORDER #: TD 1438200 TD1342426
ADDRESS: CHINA PEAK : HUNTINGTON LK CA
LZ POLE STAGING AREA 0730 LATITUDE 37°14'7.76"N LONGITUDE 119° 9'9.72"W
1749914E LATITUDE 37°14'33.74"N LONGITUDE 119° 9'37.03"W OUT ONLY
1749916E LATITUDE 37°14'37.38"N LONGITUDE 119° 9'38.09"W 55 CL 1 COMP 1500 LBS
1749917E LATITUDE 37°14'38.08"N LONGITUDE 119° 9'37.59"W 55 CL 1 COMP 1500 LBS
CONTRACTOR'S NAME: HOTLINE COLBY WHITE PHONE#: 925-529-0524
CONTACT AT SITE; CHARLES CALVO PHONE #: 559-280-7850
CONTACT AT SITE; KEVIN HOLMES PHONE #: 559-331-9091
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166

2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT# 33018828
5. IAN GOODALE CERT# 3741973

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

BELL UH-1H N# N214KK A/C CATEGORY: RESTRICTED

BELL 205A1 N# N216GH A/C CATEGORY: STANDARD

BELL 407 N# N407GH 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) 55 CL 1 COMP POLE LESS 1750LBS

MAX SINGLE – LIFT WEIGHT: 1750 LBS CLASS OF LOAD: EXTERNAL

NO. OF LIFTS: 24 LONG LINE: (NO) XXX (YES) 150 FT (LENGTH)

OPERATIONAL ALTITUDE: < 250 STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE	
11-5-2019	0800	1600	10-30-2019	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:	
KERN COUNTY SHERIFF	760-549-2100	LAKE ISALBELLA	NOTIFY	
KERN COUNTY FIRE	760-376-2219	STATION 76	NOTIFY	



NON- Congested Area Plan (Continued)

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☒ Yes ☐ No

☐ Evacuated Structures

☒ Contractor

☒ Contractor

☐ Operator

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS:

BUILDING DESCRIPTION/ADDRESS	OWNER(S):	PHONE #:
N/A	N/A	N/A

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.

TAIL BOARD SAFETY MEETING WILL BE HELD AT A PREARRANGED LOCATION PRIOR TO BEGINNING OPERATIONS

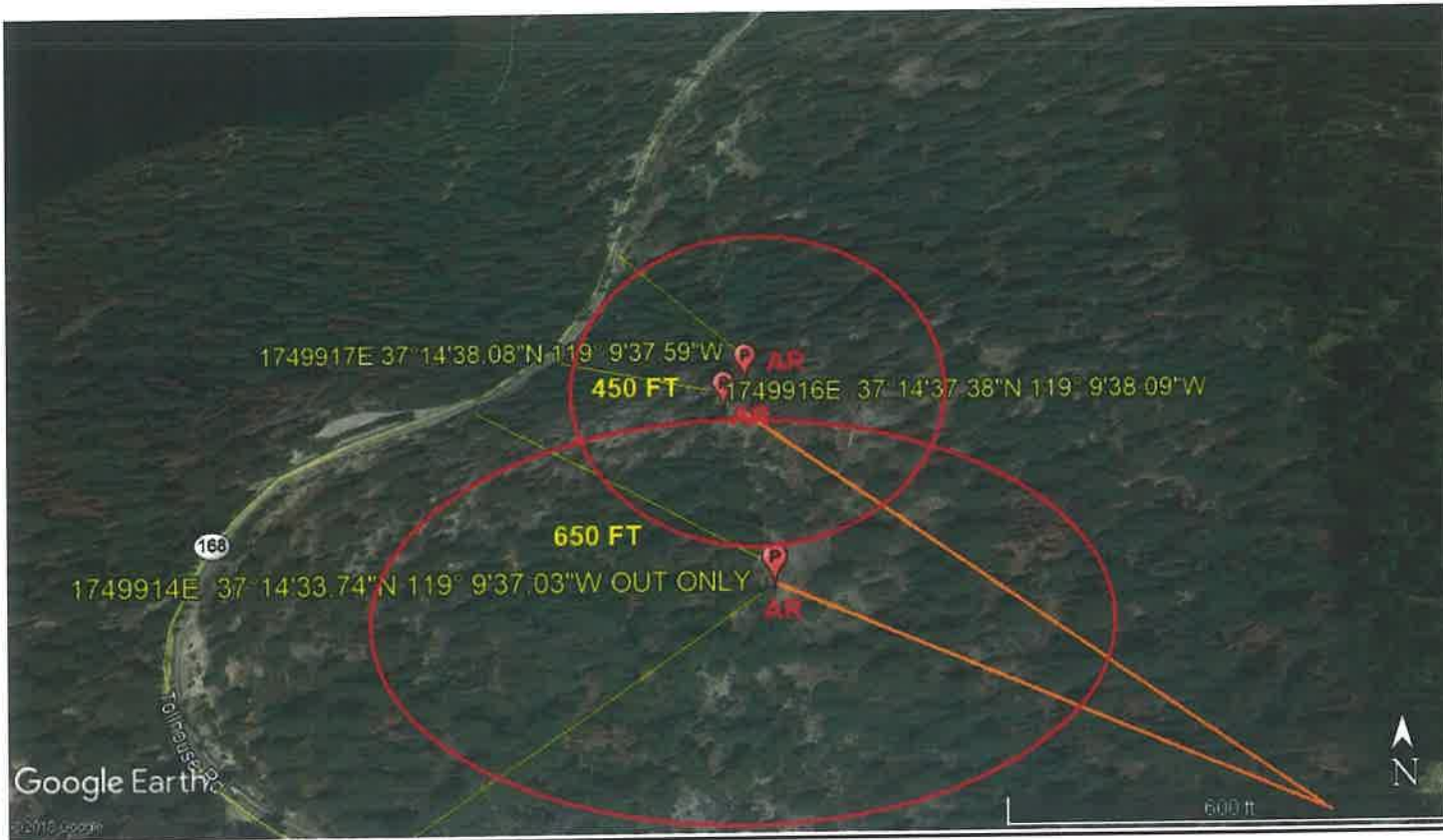
1. HELICOPTER WILL LAND AT THE CHINA PEAK PARKING LOT
2. FUELING WILL ONLY BE CONDUCTED AT CHINA PEAK STAGING AREA
3. EMERGENCY LANDING ZONE IS AT THE LZ STAGING AREA AND ALONG THE FLIGHT PATH
4. REMOTE AREA OPERATING AREA NO BUILDING EVACUATION REQUIRED
5. WATER TRUCK NOT REQUIRED IF LZ IS PAVED
6. NO STREET CLOSURES POLES ARE OVER 450 FT FROM ROAD
7. LOCAL AUTHORITIES WILL BE CONTACTED

10-30-2019

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE





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. J. [Signature]

1749 RM 55

1- POLE 55' CLASS 3 WOOD FULL TIE
RM: 3- AG DOWN GUY 3/8" - 50' LESS 1

1

TRANSFER:

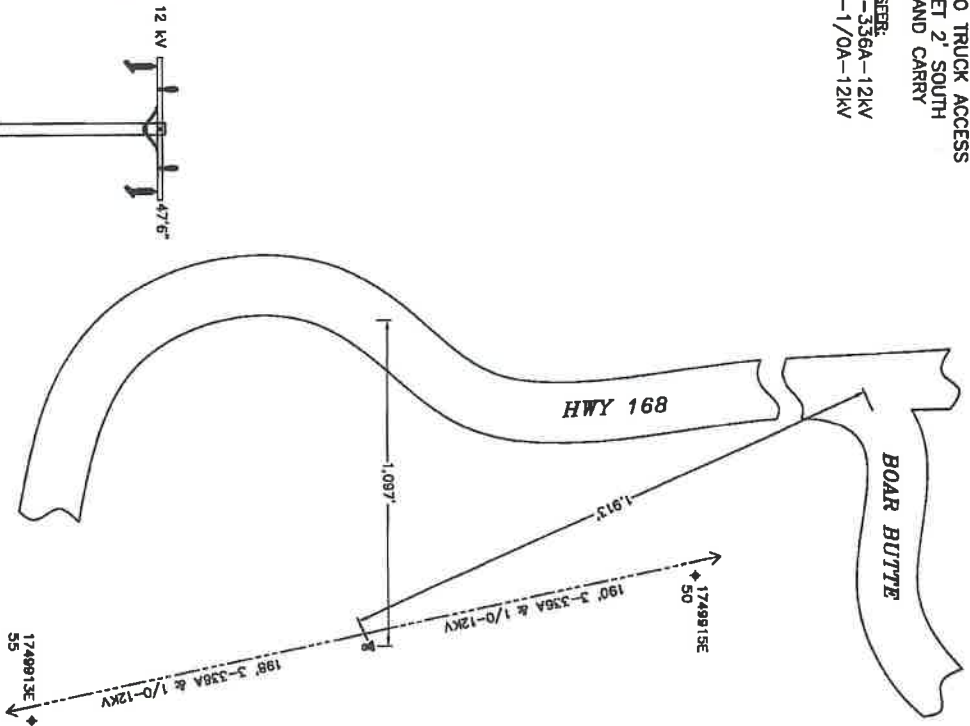
- NO TRUCK ACCESS
- SET HARD SOUTH
- EAST ANCHOR BROKE
- 3-336A & 1-1/0A-12
- 5-3/4" ROCK ANCHORS



- NOTES:**
- NO TRUCK ACCESS
 - SET 2' SOUTH
 - HAND CARRY

TRANSFORMER:

- 3-356A-12KV
- 1-1/0A-12KV



L/E
1749914E
PROPOSED

RM
1749914E
3
Class C3
RM: 1- POLE 55' CLASS 3 WOOD FULL TREAT
RM: 1- XA DBL V8 8' STEEL PINS
RM: 3- INS CLASS/POLY 35KV & LESS
RM: 1- XA SING FB 5' STEEL PINS
RM: 1- SEC ROLLER (166-CLEMS & SPOOL)

37' 14" 34.1" N,
119' 9" 37.1" W
ELEV: 7.380

POLE
1749914E
4
Class C1
IN: 1- POLE 55' CLASS 1 RS COMP SEC POLE
IN: 2- XA SING TAN HD COMP 10' W/BKT
IN: 4- INS POLY POST W/PIN 12KV CLAMP #4-336
IN: 4- SUSPENSION INSULATOR
IN: 4- SUSPENSION CLAMP
IN: 4- WISC AVIAN HOOD FOR HENDRIX INSL #4-653

TD1342426



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

DESIGN EASEMENT REQUIRED	☒
PERM REQUIRED	☒
UC CIVL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
OUTAGE REQUIRED	☒
TRAFFIC CONTROL REQUIRED	☒
PEL TRAFFIC CONTROL REQD	☒
CONVEYANCE LETTER REQD	☒
ENVIRONMENTAL CLEARANCE REQD	☒
CSD 140 (TIA) REQD	☒

DISTRICT: SHAVER LAKE		PROJ. MGR. SANDOVAL, SANDRA		PLANNER DIVERSIFIED UTILITIES		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO. 1524726	SERVICE REQUEST 2435998	USER NO.	PRODUCT-1	PHONE 661-325-3212			
CIRCUIT / VOLTAGE CHINA PEAK 12KV	THOMAS GUIDE	PRODUCT-2					
SUB / PG NO.	CIRCUIT CODE	PRODUCT-3					
INVENTORY MAP 694-1951-1	JP.A. NO.	PROPOSED CONSTRUCTION LOCATION					
DATE 7/5/2018		APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRG NO. 988053_0.01
Southern California Edison Company							

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