

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: *Shaver Lake 10-8-2019*

- ☐ SAFETY BRIEF SIGN IN *12 poles 45CL2 Largest*
- ☐ GHI CREW INTRODUCTION *Dixley Canyon LZ*
- ☐ 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

[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 10/14/2019

#	Circuit	TD. #	Fly Date	Sta	Str. #	Pole Size	Weight	Elev	Coordinates	Notes/pole pickup loc
1	Dinke Creek 4Kv	1392468	10/8/2019	17	2197650E	40 CL4	1025	6000	37.081657° -119.159554°	Pole Pick Old Saw Mill. PH2
2	Dinke Creek 4Kv	1392468	10/8/2019	13	703391E	45 CL 2	1560	6000	37.081615° -119.158360°	Pole Pick Old Saw Mill. PH2
3	Dinke Creek 4Kv	1392468	10/8/2019	11	703390E	45 CL 2	1560	6000	37.081538° -119.157557°	Pole Pick Old Saw Mill. PH2
4	Dinke Creek 4Kv	1392468	10/8/2019	9	703389E	45 CL 2	1560	6000	37.081482° -119.157009°	Pole Pick Old Saw Mill. PH2
5	Dinke Creek 4Kv	1392468	10/8/2019	7	731699E	45 CL 2	1560	6000	37.081378° -119.156301°	Pole Pick Old Saw Mill. PH2
6	Dinke Creek 4Kv	1392468	10/8/2019	5	4734987E	45 CL 2	1560	6000	37.081408° -119.155985°	Pole Pick Old Saw Mill. PH2
7	Dinke Creek 4Kv	1392468	10/8/2019	3	4322581E	45 CL 2	1560	6000	37.081735° -119.155607°	Pole Pick Old Saw Mill. PH2
8	Dinke Creek 4Kv	1394257	10/8/2019	12	696216E	40 CL4	1025	6000	37.080752° -119.154612°	Pole Pick Old Saw Mill. PH6A
9	Dinke Creek 4Kv	1400021	10/8/2019	23	696230E	35 CL4	805	6000	37.078300° -119.153776°	Pole Pick Old Saw Mill. PH6B
10	Dinke Creek 4Kv	1400021	10/8/2019	25	696178E	45 CL 2	1560	6000	37.077822° -119.154211°	Pole Pick Old Saw Mill. PH6B
11	Dinke Creek 4Kv	1400021	10/8/2019	29	1602344E	35 CL4	805	6000	37.077881° -119.153604°	Pole Pick Old Saw Mill. PH6B
12	Dinke Creek 4Kv	1400021	10/8/2019	16	696224E	35 CL4	805	6000	37.077202° -119.155124°	Pole Pick Old Saw Mill. PH6B

LZ & Staging Area:

Old Saw Mill in Dinkey Creek. 37.065207° -119.164443°

Elevation: 6000' 6000'

Hot Line Contacts

- 1) Jeff Emerson --- 559-376-3870 --- jemerson@hotlineconstructioninc.com
- 2) Todd Barton --- 925-529-5899 --- tbarton@hotlineconstructioninc.com

SCE PGS Contacts:

- 1) Kevin Holmes --- 559-331-9091 --- Kevin.holmes@sce.com
- 2) Ron Maurer --- 559-331-1399 --- Ronald.maurer@sce.com

Notes:

Crew and Helo Co. to tailboard at LZ at 0800. In addition to in/out poles on some locations tools and gravel bags may need to be flown in. Sierra National Forest has requested that their "Aircraft Use Form-Sierra National Forest" form be filled out. We are using their Helo Pad.



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 NUMBER: TD1392468 TD1394257
TD1400021

ADDRESS: DINKEY CREEK SAW MILL :SHAVER LAKE CA
LZ STAGING AREA LATTITUDE: 37° 3'54.83"N LONGITUDE 119° 9'53.26"W ELEV 6000 FT
SEE ATTACHED FOR POLE POSITIONS AND SIZES.

CONTRACTOR'S NAME: RON MAURER PHONE#: 559-331-1399

CONTACT PERSON: JEFF EMERSON HOTLINE PHONE#: 559-376-3870

TODD BARTON PHONE#: 925-529-5899

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: (12) MAX 45 CL2 1560 HIGHEST ELEVATION 6000 FT

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

NO. OF LIFTS: 25 LONG LINE: (NO) XXX (YES) 100 – 150 FT

OPERATIONAL ALTITUDE: < 250 STREET CLOSING: XX (N0) (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
10-9-2019	SUNRISE	SUNSET	10-6-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
CHP DEPARTMENT	559-841-8473	DISPATCH	NOTIFY
FIRE DEPARTMENT	559-841-3360	DISPATCH	NOTIFY
CAL FIRE	559-841-7774	DISPATCH	NOTIFY



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	PHONE #:
ALL STRUCTURES WITHIN 300 FT OF FLIGHT PATH OR POLE SITES	VACANT	HAND DELIVERED

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

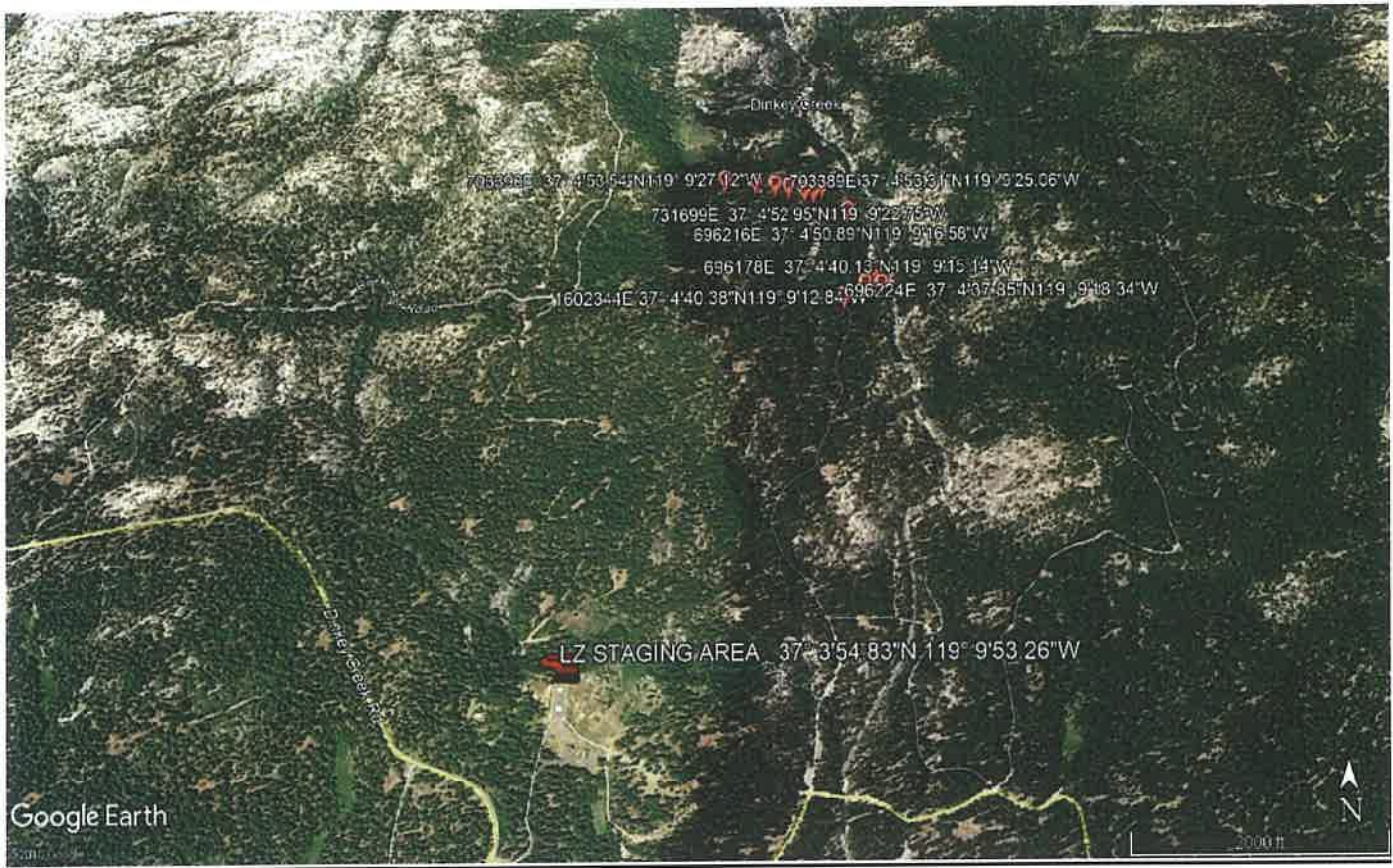
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE 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.

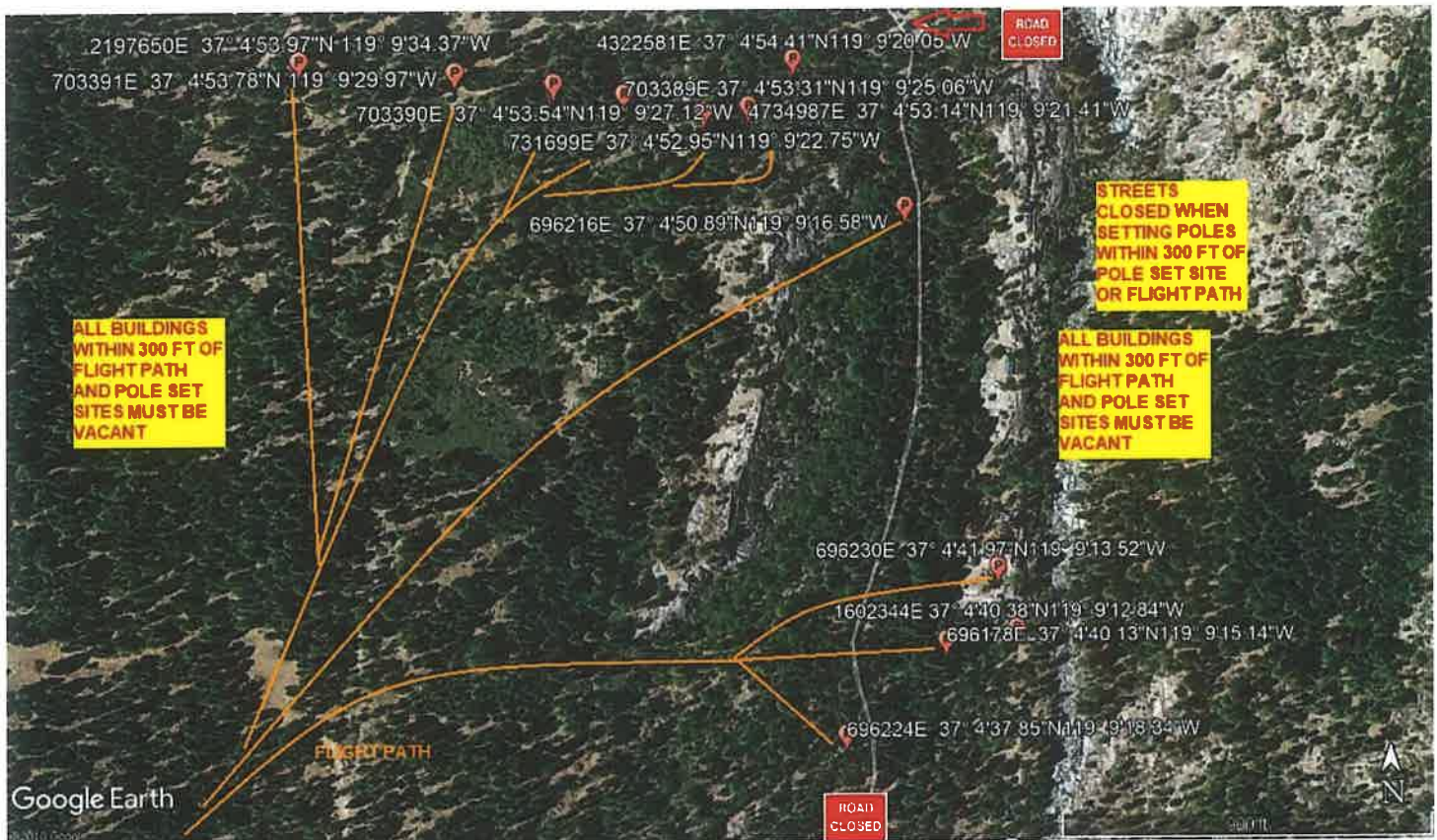
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM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

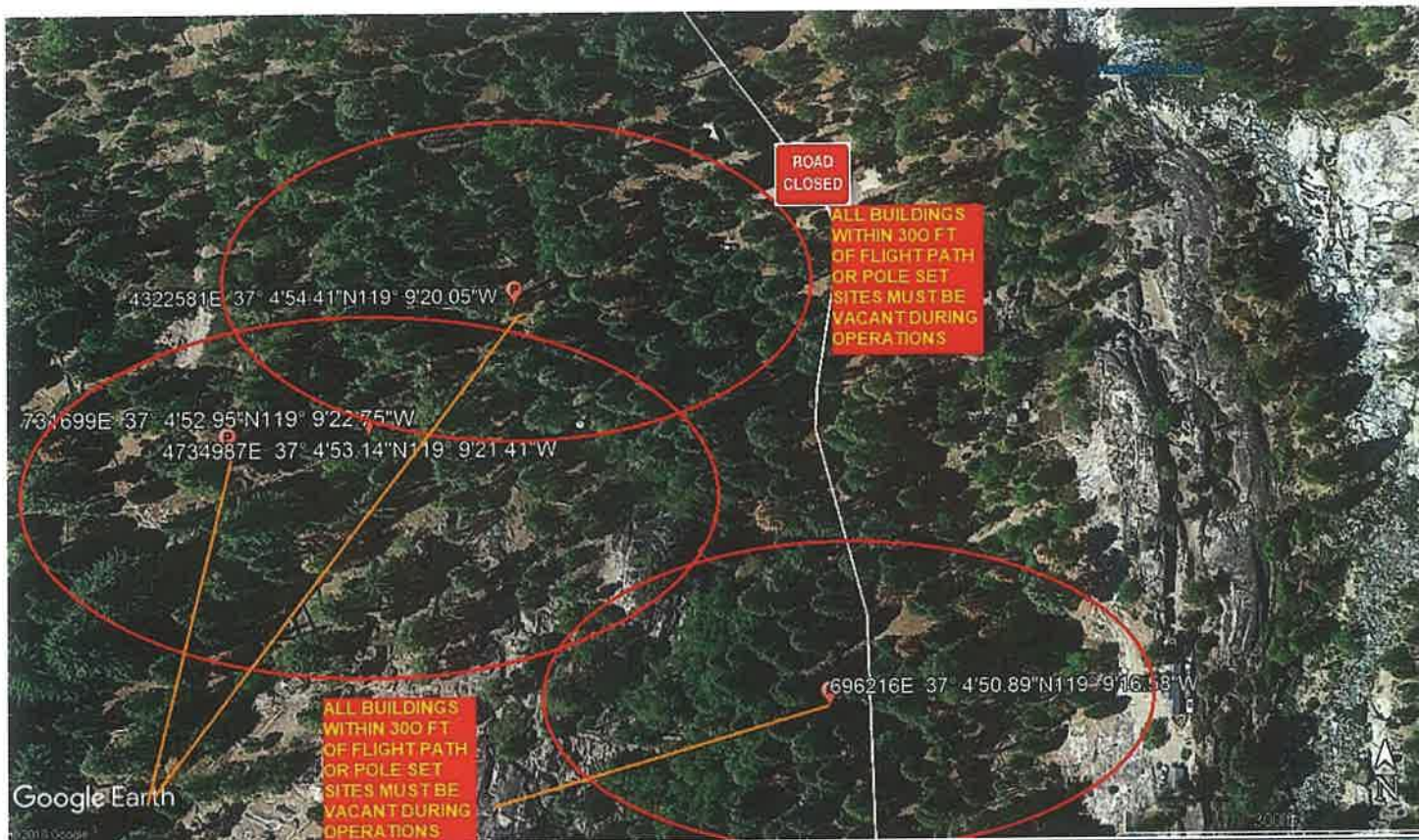
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

A DAILY TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED LOCATING PRIOR TO BEING OPERATIONS

1. HELICOPTER WILL LAND AT THE DESIGNATED LANDING ZONE FOR FUELING AND TAILBOARD.
2. THE HELICOPTER WILL FLY THE EMPTY LONGLINE TO THE ASSIGNED POLE STAGING AREAS
3. POLE WIL BE STAGED AT THE ASSIGNED POLE STAGING AREA
4. WATER TRUCK NOT REQUIRED
5. EMERGENCY LANDING ZONE IS AT THE LANDING ZONE, STAGING AREA AND IN ROUTE TO POLE SITES IF REQUIRED
6. FLAG MAN WILL BE POSTED TO STOP ANY TRAFFIC WHILE THE HELICOPTER IS SETTING POLES NEAR THE ROAD. SEE 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)	

10-6-2019

DATE OF SUBMISSION

Jeffrey M. Jentura

COMPANY OFFICIAL / TITLE

Date: 10-9-2019 **Aircraft Use Form - Sierra National Forest**

SNF #: _____

Date: 10-9-2019

Aircraft Use Form - Sierra National Forest

SNF #: _____

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