

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: Cambria 12-29-2020

- ☐ SAFETY BRIEF SIGN IN PGE 20-02918
- ☐ GHI CREW INTRODUCTION Nor CAP
- ☐ IS A TRANSLATOR REQUIRED (2) 45CL 4
- ☐ 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

20-02918 Request Summary (Guardian Helicopters)



Requestor	Steven T Finegan	Request Date	12/08/2020
LAN ID	STF8	Work Type	Lift Work
Phone	(805) 459-1697	Lift Work Type	HEC -
Cell	(805) 459-1697		Non-Energized
LOB	Electric GC Distribution	Emergency Work	No
Vendor	Guardian Helicopters	For Contractor	No

Work Dates
12/29/2020 AS350B3

Approver	Superintendent Helen M Santoro (HMM2)	HMM2@PGE.COM	(C) (408) 204-6987
Foreman	Andrew M Dominguez (AMDQ)	(P) (805) 591-0440	(C) (805) 459-9140

Scope of Work
SAN LUIS OBISPO COUNTY
PERRY 1101 12KV
CAP- NIL
RQD NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- NIL
NOTIFICATIONS MADE- NIL

SCOPE- HEC AND REPLACE 1 POLE AND ADD NEW INTERSET POLE ON THE PERRY 1101 CIRCUIT. WOOD POLES ARE 45 FOOT, CL. 4 1500LBS. HELICOPTER TO LIFT WIRE UP.

LZ/WORK LOCATION INFORMATION-
LZ- OK, NO OBSTRUCTIONS | ELEVATION 2112 FEET. LZ APPROVED PER REQUESTER BY LAND OWNER.
LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 75 FEET DIAMETER

WL- OK, NO OBSTRUCTIONS WITHIN HILLS WITH TREES IN PROXIMITY.

REQUESTER HAS NOTIFIED HOMES AND EVACUATE AS NEEDED WITHIN 300 FEET OF WORK LOCATIONS

Daily Information

12/29/2020

Asset Category: LIGHT

Asset Type: AS350B3

Locations

08:00 - LZ	LZ- CYPRESS MOUNTAIN RD	35 34.65'N 120 54.72'W	<no headquarters>	<no county>	2 ft
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Dust/Snow Mitigation Plan:

--- - Work Location

PERRY 1101 12KV	35 34.14'N 120 54.27'W	Line #: 101883601	LOS PADRES	<no county>	1870 ft
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20-02918 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: ---

--- - Work Location

35.56788PERRY 1101 12KV 35 34.07'N Line #: 35087677 LOS PADRES <no county> 842 ft
120 58.01'W

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	1500.0 lbs
Special Equipment	HEC Gear, Grapple	Billing Number	35186832-5300 50%
Comments	---		35087677-5300 50%
		Req. Notifications	---

Talk About # 107 **Talk Group**
CC Recipients JOCc@pge.com;NTM5@pge.com

107 **Talk Radio #** 107

20-02918 (Guardian Helicopters) - December 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29	30	1	2	3	4	5
5	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29 08:00 -16:00 AS350B3 LZ- CYPRESS.. 35 34.65°N 120 54.72°W	30	31	1	2
3	4	5	6	7	8	9



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: PG&E POLE REPLACEMENT WORK ORDER #: 20-02918ADDRESS CYPRESS MOUNTAIN RD RD : CAMBRIA CAADDRESS SANTA ROSA CREEK RD : CAMBRIA CALZ STAGING AREA LATITUDE 35°34'38.55"N LONGITUDE 120°54'44.40"W ELEV 1900 FT101883601 LATITUDE 35°34'7.84"N LONGITUDE 120°54'16.30"W 45 FT CL4 1300LBS35087677 LATITUDE 35°34'4.17"N LONGITUDE 120°58'0.47"W 45 FT CL4 1300LBSCONTACT REQUESTOR: HELEN SANTORO PHONE#: 408-204-6987CONTACT FORMAN: ANDREW DOMINGUEZ PHONE#: 805-459-9140PILOT'S NAME(S): 1. JOHN OLSON CERT #: 27691662. BUCKEY MACKAY CERT #: 27780513. MICHAEL KLINK CERT#: 30188284. IAN GOODALE CERT#: 37419735. ROSS GOULET CERT#: 3396777

TYPE OF AIRCRAFT:

BELL UH-1H N# N777GH A/C CATEGORY: RESTRICTEDBELL 407 N# N407GH A/C CATEGORY: STANDARDBELL 407 N# N447GH A/C CATEGORY: STANDARDBELL 205A1 N# N216GH A/C CATEGORY: STANDARDAS350 B2 N# N498PT A/C CATEGORY: STANDARDAS350 B3 N# N718GH A/C CATEGORY: STANDARDAS350 B3 N# N215GH A/C CATEGORY: STANDARD

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

TYPE OF LIFTS: (2) 1400 LBS UNITS LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐ AERODYNAMIC ☒NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS THEN 100 FT (LENGTH)OPERATIONAL ALTITUDE: < 250 AGL STREET CLOSING: (NO) XX (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
12-29-2020	SUNRISE	SUNSET	12-23-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
CAMBRIA FIRE DEPARTMENT	805-927-6240	DISPATCH	NOTIFIED
SLO SHERIFF DEPARTMENT	805-434-4290	DISPATCH	NOTIFIED
AIR TRAFFIC CONTROL	N/A	N/A	N/A

EvacuationCrowd ControlStreet Closure☒ No Evacuated Structures☒ Operator☒ Yes☐ No☐ Evacuated Structures☒ Contractor☒ Contractor☐ Operator



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

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
NONE	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	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

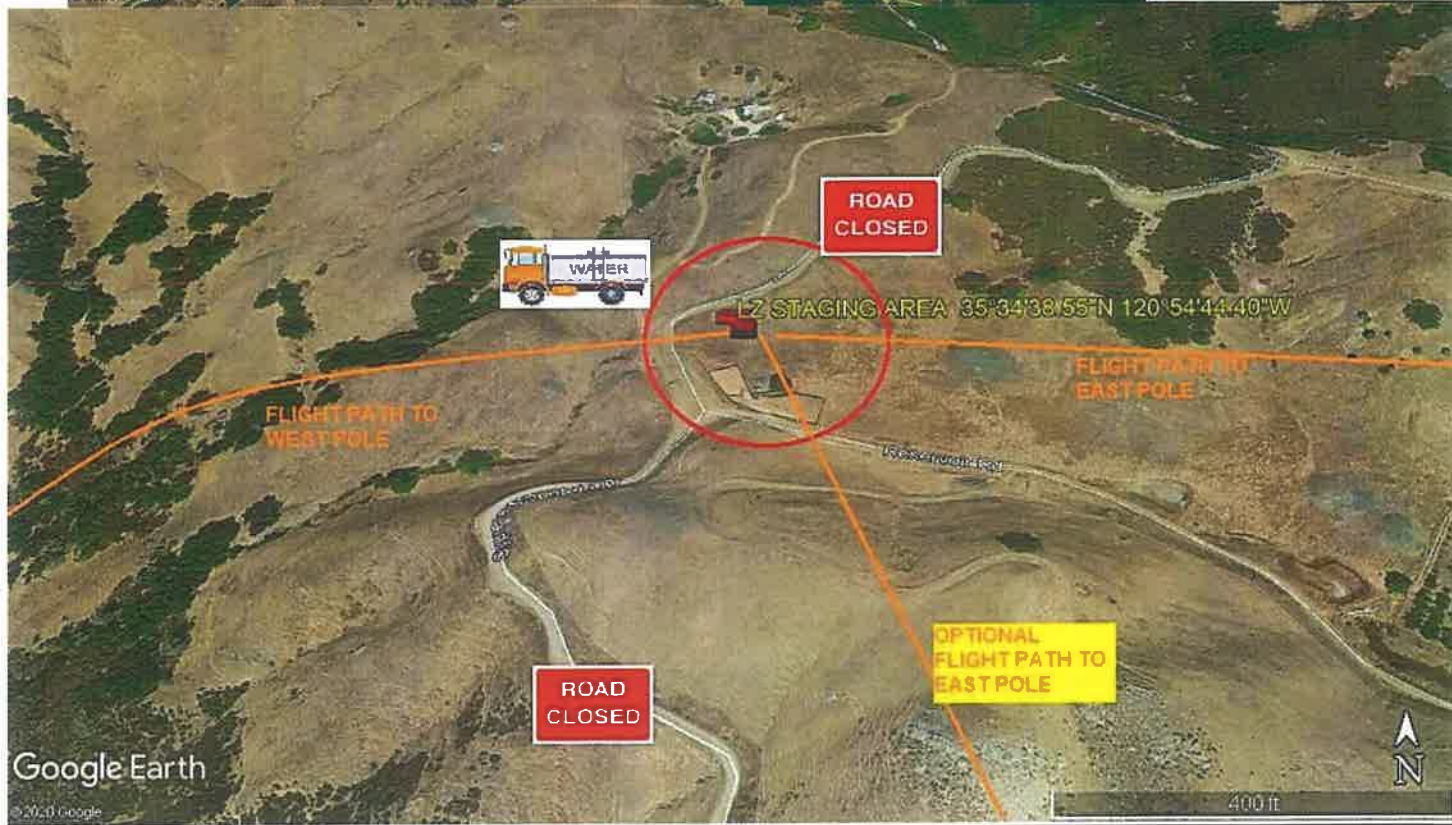
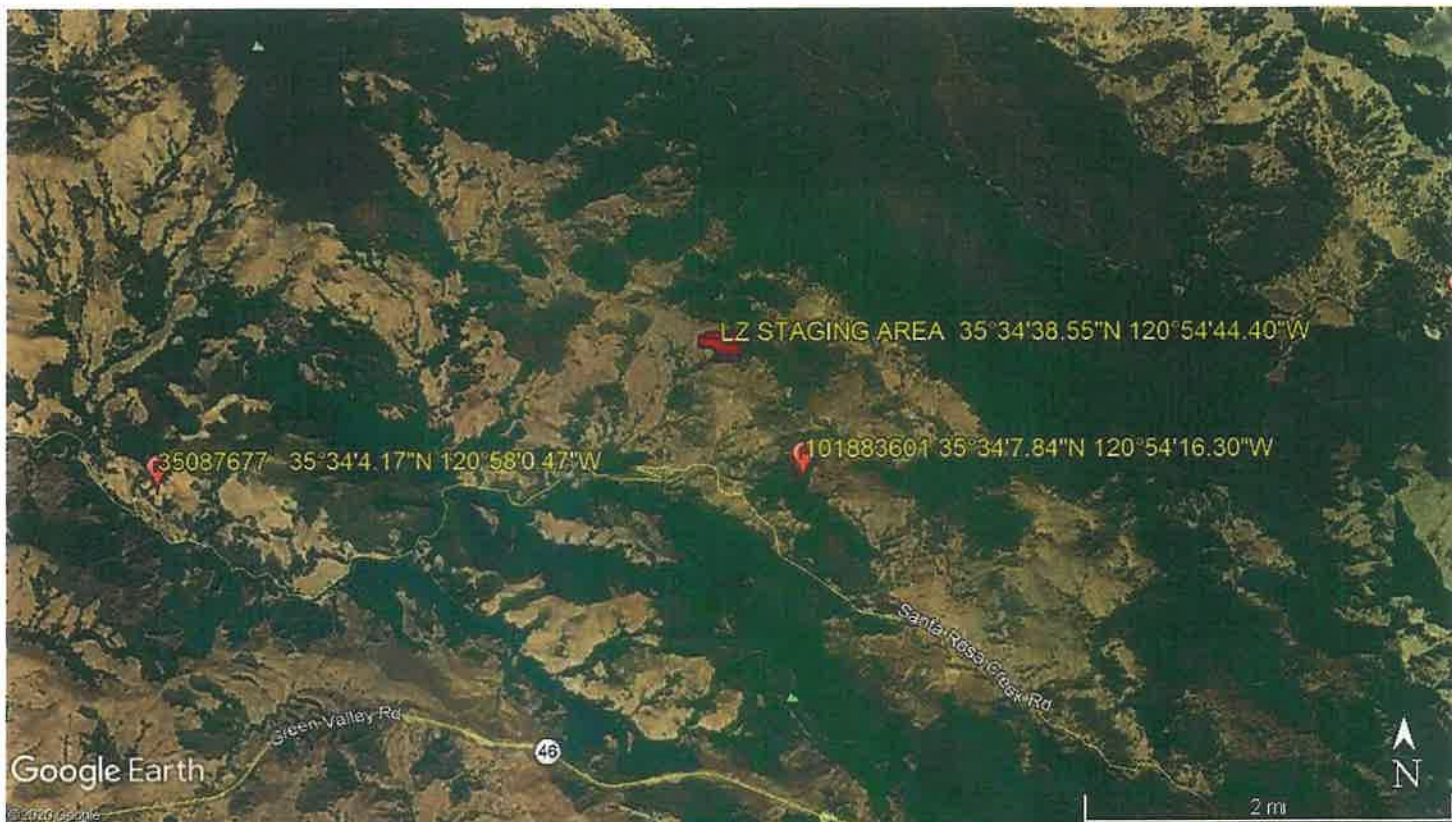
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE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

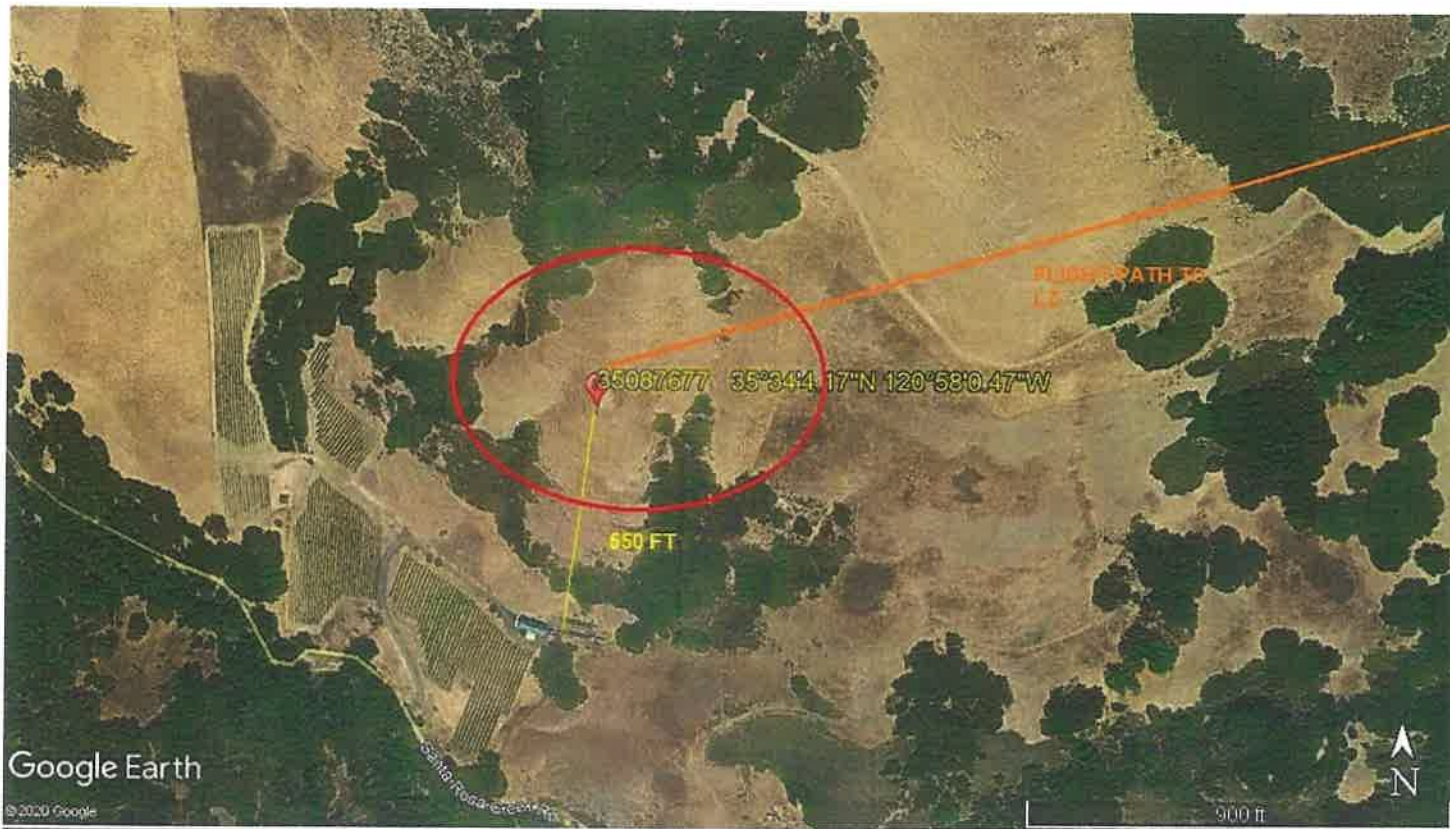
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

- 1. HELICOPTER WILL LAND AT THE LANDING ZONE TO CONDUCT TAILBOARD.**
- 2. PILOT WILL COORDINATE WITH BOTH POLE SITES TO PERFORM TAILBOARD FOR BOTH CREWS.**
- 3. TAILBOARD WILL BE CONDUCTED AT POLE STAGING AREA**
- 4. WATER TRUCK IS REQUIRED AT LANDING AREAS**
- 5. NO EVACUATIONS**
- 6. STREET CLOSURE ONLY DURING AIRCRAFT FLYING A LOAD ACROSS THE STREET SEE DIAGRAM**
- 7. TREE TRIMMING IF REQUIRED**







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 = (UB)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

12-23-2020

DATE OF SUBMISSION

Jeffrey M. Teubner

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator