

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: SLO PGE

- ☐ SAFETY BRIEF SIGN IN HEC, Ladders, Platforms, Insulators
- ☐ GHI CREW INTRODUCTION 21-00267
- ☐ IS A TRANSLATOR REQUIRED NON-CAP
- ☐ 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

Tailboard & Helicopter Safety Briefing

Pilot:

Location:**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 ☐ <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

21-00267 Request Summary



Requestor	Michael J Roben	Request Date	02/04/2021
LAN ID	mjrb	Work Type	Lift Work
Phone	(805) 546-5244	Lift Work Type	HEC -
Cell	(805) 588-0702		Non-Energized
LOB	Electric Transmission	Emergency Work	No
	Line	For Contractor	No
Vendor	Guardian Helicopters		

Work Dates

02/09/2021 - 02/11/2021 BELL 407

Approver	Superintendent Jeffery E Lopes (jelt)	JELt@pge.com	(C) (209) 602-5240
Foreman	Jacob M Kristy (j1k7)	(P) (661) 340-5833	(C) (661) 340-5833

Scope of Work SAN LUIS OBISPO COUNTY
DIABLO-MESA 230KV
CAP - NIL
DISPATCH NOTIFICATIONS - DCPD

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

SCOPE - HEC || We have 7 230kv twr's to complete. We will have a clearance on the Diablo Mesa and have one LZ for the duration. The aircraft will be used to transport platforms, ladders, lineman and insulators to and from the LZ to each structure.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT - 100FT.
WORK LOCATIONS OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE.

Daily Information

02/09/2021 - 02/11/2021

Reason for Request in Less than 10 Days:

Break-In Work/Short Duration Scheduled Work

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	West Ormonde Rd LZ	35 10.17'N 120 35.95'W	<no headquarters>	<no county>
-------------------	--------------------	---------------------------	-------------------	-------------

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

20031 DIABLO-MESA 230 KV	35 12.36'N 120 38.47'W	Line #: 17/75	PISMOBCH	<no county>	643 ft
--------------------------	---------------------------	---------------	----------	-------------	--------

21-00267 Request Summary

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

20031 DIABLO-MESA 230 KV 35 12.13'N Line #: 17/77 PISMOBCH <no county> 429 ft
 120 38.14'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

20031 DIABLO-MESA 230 KV 35 11.73'N Line #: 18/81 PISMOBCH <no county> 499 ft
 120 37.48'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

20031 DIABLO-MESA 230 KV 35 11.37'N Line #: 19/84 PISMOBCH <no county> 168 ft
 120 36.78'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

20031 DIABLO-MESA 230 KV 35 10.97'N Line #: 19/86 PISMOBCH <no county> 484 ft
 120 36.41'W

Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC Gear	Billing Number	31503711 100%
Comments	Paso Robles Air port is a good staging area for the aircraft if it gets foggy on the coast.		
		Req. Notifications	Air to Air

Talk About #	105	Talk Group	3363	Talk Radio #	3363
CC Recipients	J4CH@PGE.COM				

21-00267 - February 2021

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

1	2	3	4	5	6	
8	9	10	11	12	13	
	08:00 -16:00 BELL 407 West Ormonde Rd LZ 35 10.17'N 120 35.95'W	08:00 -16:00 BELL 407 West Ormonde Rd LZ 35 10.17'N 120 35.95'W	08:00 -16:00 BELL 407 West Ormonde Rd LZ 35 10.17'N 120 35.95'W			
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	1	2	3	4	5	6
7	8	9	10	11	12	13



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 HEC EQUIPEMNT WORK ORDER #: 21-00267

ADDRESS W. ORMONDE RD : SLO CA

ADDRESS SPANISH SPRINGS RD : SLO CA

LZ STAGING AREA LATITUDE 35°10'9.32"N LONGITUDE 120°35'57.68"W

LATITUDE 35°10'58.20"N LONGITUDE 120°36'24.60"W

LATITUDE 35°11'22.20"N LONGITUDE 120°36'46.80"W

LZ STAGING AREA LATITUDE 35°11'19.01"N 120°38'53.76"W

LATITUDE 35°11'43.80"N LONGITUDE 120°37'28.80"W

LATITUDE 35°12'7.80"N LONGITUDE 120°38'8.40"W

LATITUDE 35°12'21.60"N LONGITUDE 120°38'28.20"W

CONTACT REQUESTOR: JEFFREY E. LOPEZ PHONE#: (209) 602-5240

CONTACT FORMAN: JACOB M. KRISTY PHONE#: (661) 340-5833

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# 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

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

TYPE OF LIFTS: LADDERS PLATFORMS INSULATORS HEC 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
2-9-2021 2-11-2021	SUNRISE	SUNSET	2-5-2021
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SLO FIRE DEPARTMENT	805-781-7380	DISPATCH	NOTIFIED
SLO SHERIFF DEPARTMENT	805-434-4290	DISPATCH	NOTIFIED
SLO REGIONAL AIRPORT	805-781-5203	N/A	N/A



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

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
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.

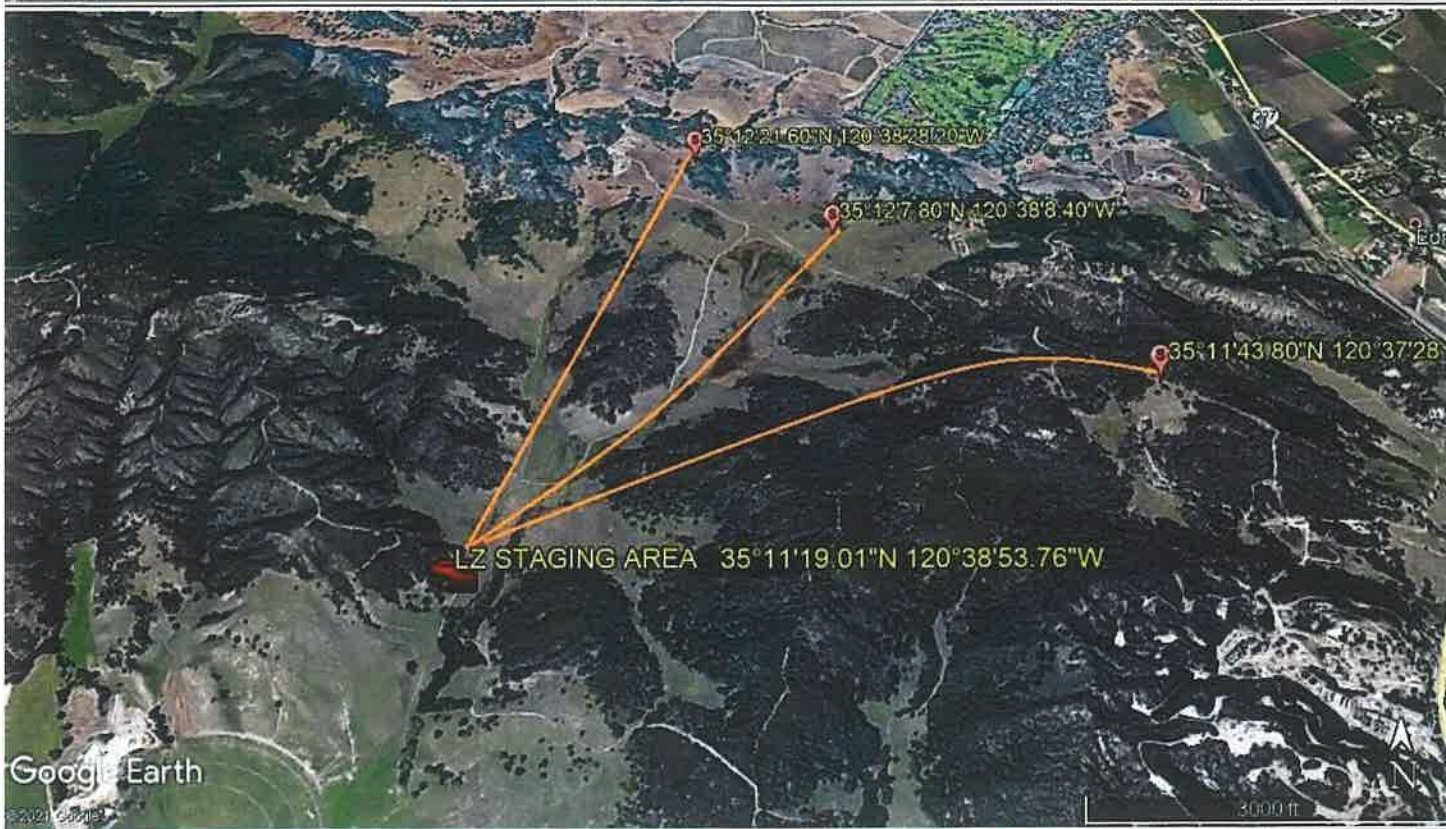
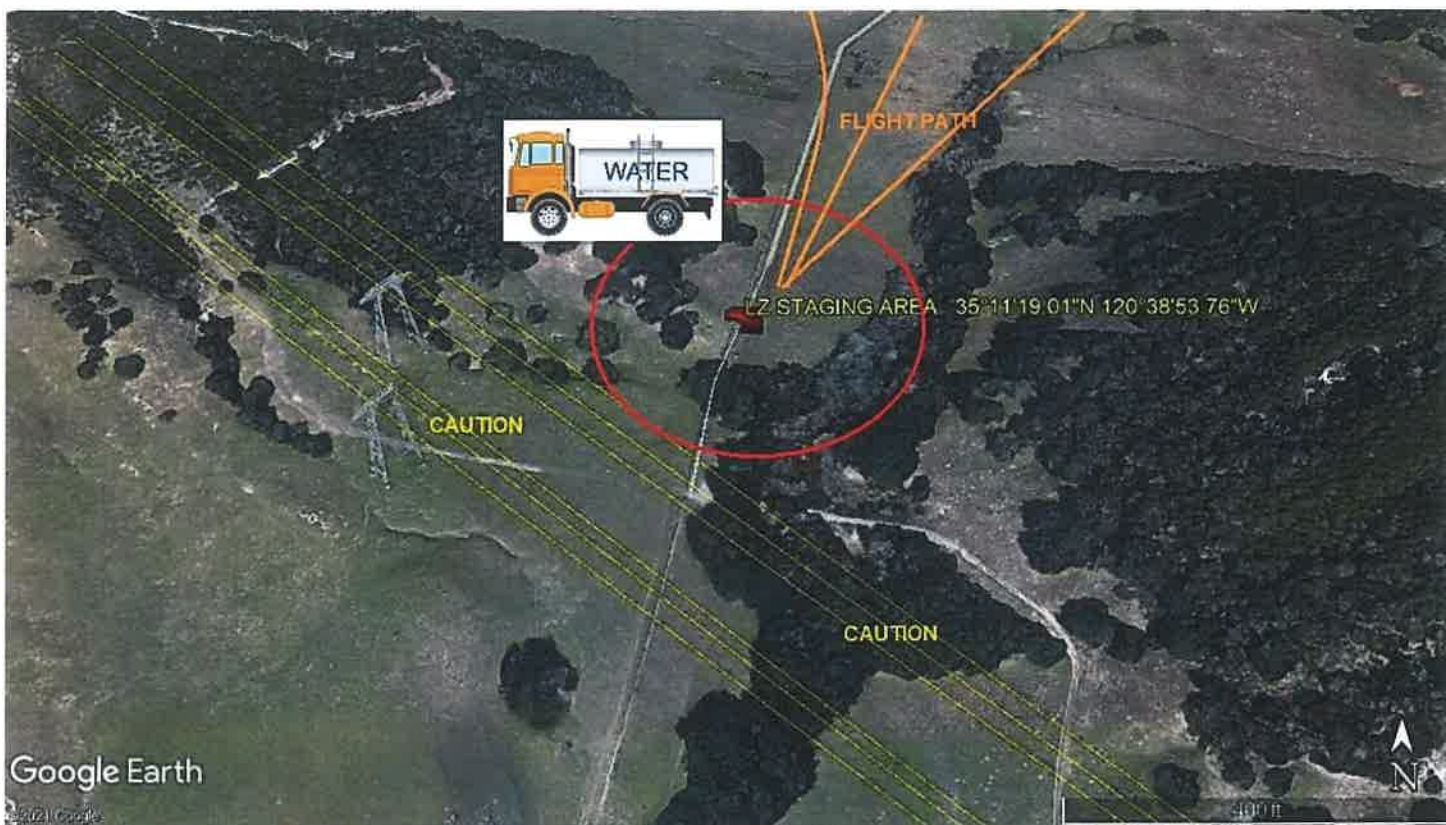
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

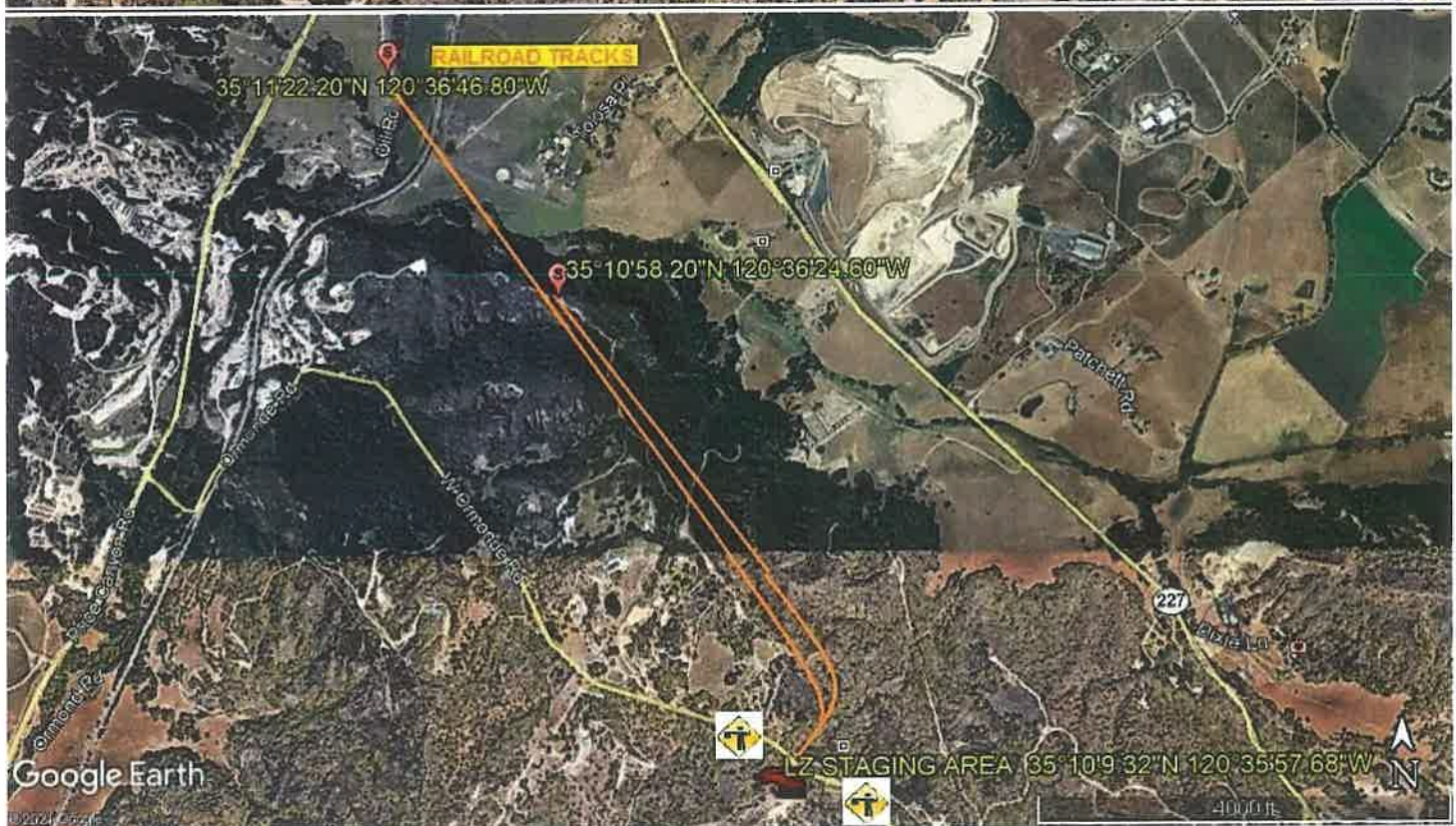
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

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

A handwritten signature in cursive script, reading "Jeffrey M. Teubner".

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator