

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

Big Sur
3-4-2022
BHT 407 NON-CAP
HEC / 40CL3 1300 LBS
PGE 22-00246



HELICOPTER HEC OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER HEC OPERATIONS A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST THIS DOES NOT SUPERSEDE INITIAL HEC TRAINING REQUIREMENTS

- ☐ **CONDUCT STANDARD HELICOPTER LIFT SAFETY BRIEF PRIOR TO HEC SAFETY BRIEF**
- ☐ **HEC SAFETY BRIEF SIGN IN**
- ☐ **INITIAL HEC TRAINING VERIFIED ISSUE STICKER DISPLAYED ON HELMET**
- ☐ **WORK STOP AUTHORITY**
- ☐ **PPE REQUIREMENTS (HELMETS, EYEWEAR, GLOVES AND FOOTWEAR)**
- ☐ **HARNESS, FITMENT, CONDITION AND LOAD LIMIT**
- ☐ **PROPER USE OF ATTACHMENT EQUIPMENT (CARABINERS)**
- ☐ **BUDDY /SELF CHECK**
- ☐ **COMMUNICATIONS REQUIREMENTS VIA RADIO OR HEAD AND HAND SIGNALS (RADIO WILL BE TETHERED OR SECURED)**
- ☐ **NO EQUIPMENT WILL BE TRANSPORTED DURING HEC**
- ☐ **HEC SHORT HAUL OPERATIONS PLAN, DAILY MISSION**
- ☐ **INSERTION POINT AND AREA HAZARDS**
- ☐ **HEC ATTACH ZONE AND WAITING AREA**
- ☐ **EMERGENCY PROCEDURES; ENGINE FAILURE, TR FAILURE, HOOK FAILURE, LINE ENTANGLEMENT)**
- ☐ **NO CELL PHONE OR CAMERA USED DURING HEC**

Pilot:
Support Crew:
Location:
Mission:
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

22-00246 Request Summary (Guardian Helicopters)



Requestor	Tyler J Irwin	Request Date	02/01/2022
LAN ID	TJ11	Work Type	Lift Work
Phone	(707) 449-5832	Lift Work Type	HEC -
Cell	(707) 684-9396		Non-Energized
LOB	Electric GC Distribution	For Contractor	Yes
Vendor	Guardian Helicopters		MICHELS

Work Dates

03/04/2022 BELL 407

Approver

Superintendent Daniel Blandford (D0BW)

D0BW@pge.com

(C) (805) 556-5843

Scope of Work

MONTEREY COUNTY
OTTER 1102
CAP - NIL
DISPATCH NOTIFICATIONS - NOAA MARINE SANCTUARY

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

THIRD PARTY - MICHELS

CONTACTS -
REQUESTOR/FOREMAN - DAVID FROST - 520.705.6085

SCOPE - HEC || LONG LINE MEN AND MATERIALS FROM LZ TO WORK LOCATION FOR
POLE REPLACEMENTS.

CARGO || TRANSPORT POLES, TOOLS, CROSSARM AND POLE FOAM FROM LZ TO WORK
LOCATIONS FOR REPLACEMENTS. REMOVE OLD POLES. 40' CL3 WOOD - 1300LBS BARE.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT - 120FT.
WORK LOCATION OK, NO OBSTRUCTIONS.

AIRCRAFT TO REMAIN 300' FROM BUILDING AT LZ. REQUESTOR TO ENSURE TRAFFIC
MITIGATION IS IN PLACE AS NEEDED.

Daily Information

03/04/2022

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ	36 19.84'N 121 53.11'W	<no headquarters>	<no county>
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22-00246 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan:

Surface is composed of low vegetative cover.

--- - **Work Location**

OTTER 1102 12KV 36 18.45'N Line #: 101776083 CENTRAL COAST <no county> 575 ft
 121 52.41'W

Dust/Snow Mitigation Plan:

--- - **Work Location**

OTTER 1102 12KV 36 18.50'N Line #: 101672196 CENTRAL COAST <no county> 600 ft
 121 52.37'W

Dust/Snow Mitigation Plan:

--- - **Work Location**

OTTER 1102 12KV 36 17.39'N Line #: 101776074 CENTRAL COAST <no county> 220 ft
 121 50.63'W

Dust/Snow Mitigation Plan:

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	1300.0 lbs
Special Equipment	HEC Gear	Billing Number	35257607-5300 100%
Comments	---		35255814-5300 100%
			35215811-5300 100%
		Req. Notifications	---

Talk About # 151.76 **Talk Group** 151.76 **Talk Radio #** 151.76

22-00246 (Guardian Helicopters) - March 2022

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	1	2	3	4 08:00 -16:00 BELL 407 LZ 36 19.84°N 121 53.11°W	5	
6	8	9	10	11	12	
13	15	16	17	18	19	
20	22	23	24	25	26	
27	29	30	31			
3	5	6	7			



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 POLE SET WORK ORDER #: 21-03012
ADDRESS: PACIFIC COAST HWY CITY: BIG SUR STATE: CA
LZ STAGING AREA 36°19'49.98"N 121°53'6.30"W
40 CL3 1300 LBS

SEE ATTACHED FLIGHT REQUEST AND KMZ FILE

CONTACT REQUESTOR: DAVID FROST PHONE#: 520-705-6085

CONTACT FORMAN: DAVID FROST PHONE#: 520-705-6085

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
BELL 205A1 N# N211GH 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: HEC CARGO 40 CL 3 1300 LBS LOAD:EXT CL B TYPE OF ITEM LIFTING: ☐

AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 200 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
3-4-2022	SUNRISE	SUNSET	2-25-2022
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
NACIMIENTO RANGER STATION	831-242-0619	DISPATCH	NOTIFIED
BIG SUR VOLUNTEER FIRE BRIGADE	831-667-2113	DISPATCH	NOTIFIED



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
NO EVACUATIONS	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.

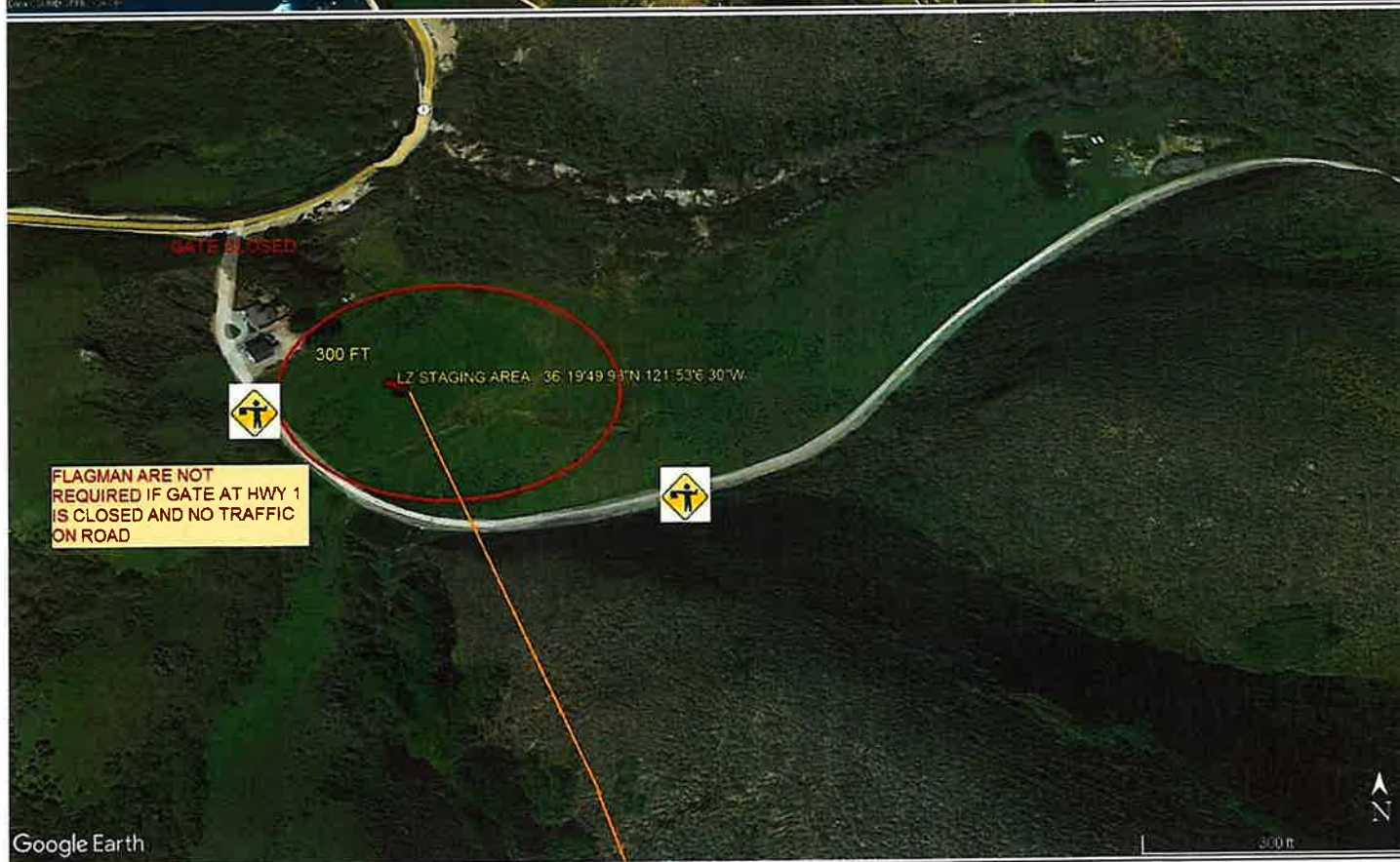
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

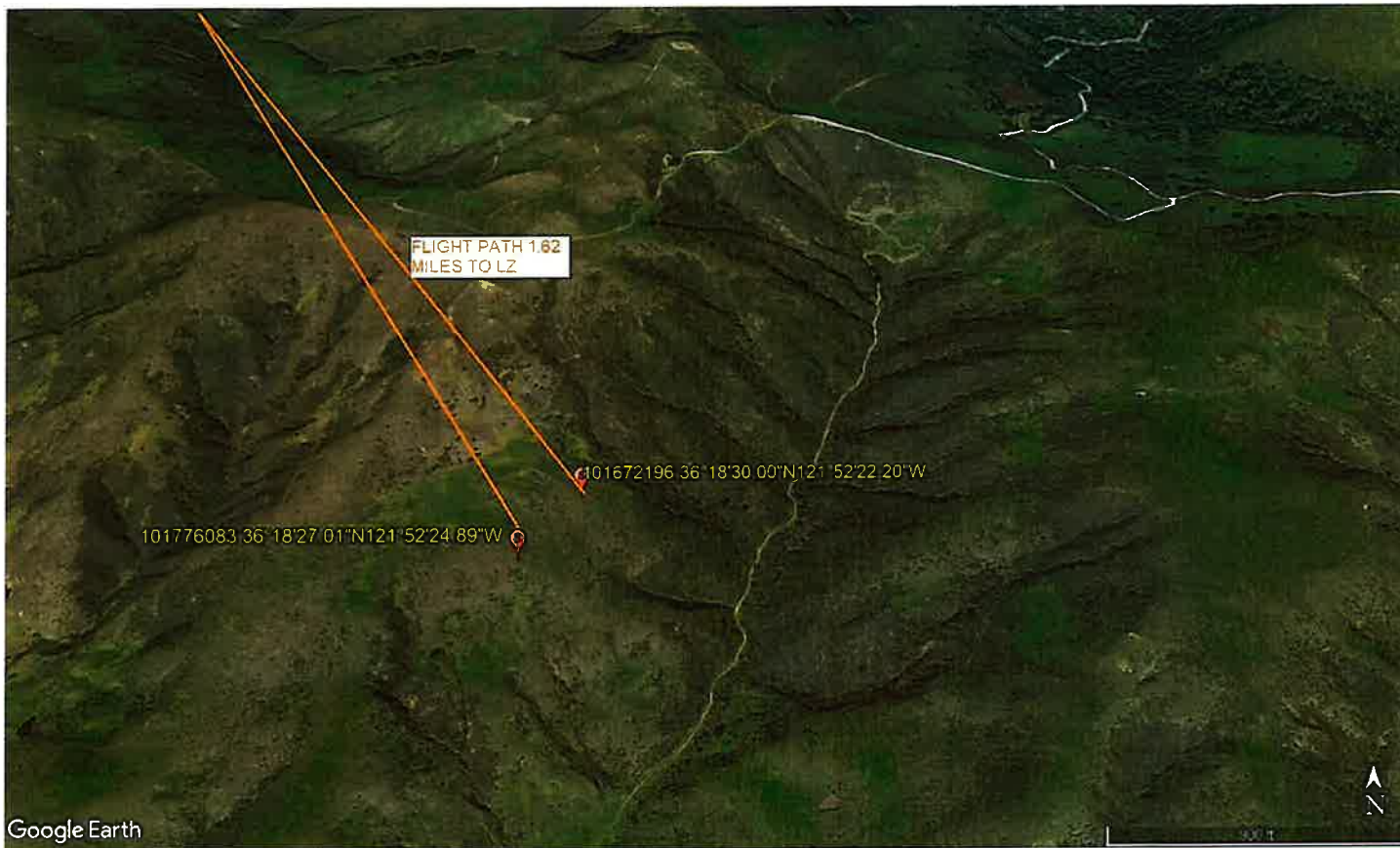
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

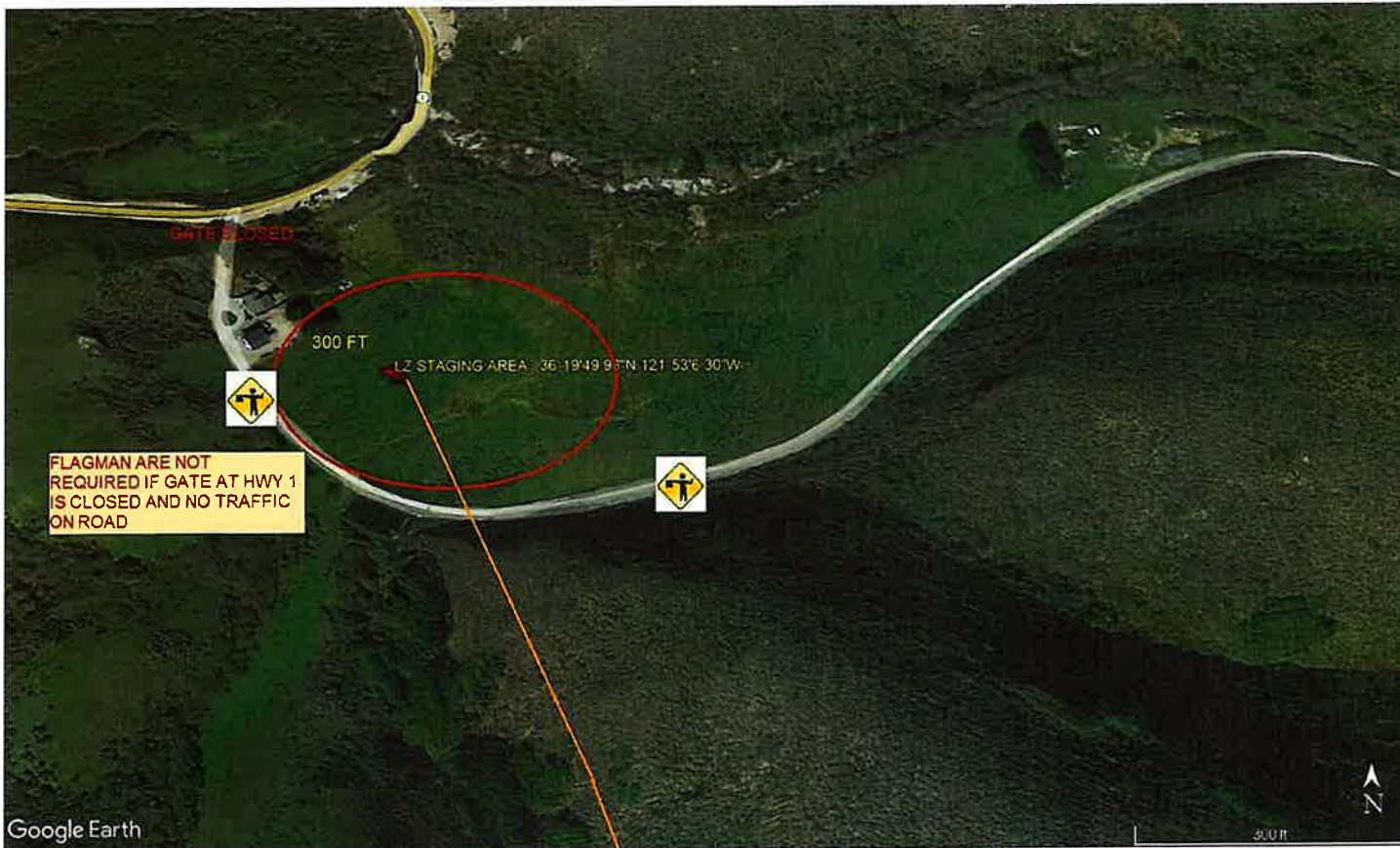
1. HELICOPTERS WILL LAND AT LZ TO CONDUCT A TAILBOARD AND HEC TRAINING
2. IF REQUIRED A WATER TRUCK WILL BE PROVIDED FOR THE LZ
3. POLE AND CARGO WILL BE SET IN OPEN AREA NEAR LZ
4. NO EVACUATIONS
5. ROAD ALONG LITTLE SUR RIVER MAY REQUIRE FLAGMAN

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)	







2-25-2022

DATE OF SUBMISSION

A handwritten signature in black ink, reading "Jeffrey M. Teubner". The signature is written in a cursive style with a large, stylized 'J' and 'T'.

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator