

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

POE
21-01596
21-00843
UH-1H 8/24 8/25
BHT-407 8/25 ONLY
NON-CAP

SANTA CLARA
GILROY CA.

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



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

Tailboard & Helicopter Safety Briefing

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	☐ 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
	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	

21-00843 Request Summary (Guardian Helicopters)



Requestor	James J Donnelly Jr.	Request Date	04/28/2021
LAN ID	jjdd	Work Type	Lift Work
Phone	(831) 247-1704	Lift Work Type	Cargo
Cell	(831) 247-1704	For Contractor	No
LOB	Electric Transmission		
	Line		
Vendor	Guardian Helicopters		

Work Dates

08/24/2021 - 08/25/2021 UH-1H

Approver	Supervisor Kristopher Jay Banzon (kjbs)	KJBS@pge.com	(C) (707) 835-4153
Foreman	Ken J Garcia (kjg9)	(P) (831) 633-6926	(C) (831) 206-0865

Scope of Work

SANTA CLARA COUNTY
MET CALF-GREEN VALLEY 115KV
CAP - NIL
DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

SCOPE - TRANSPORT POLE FROM LZ TO WORK LOCATION FOR POLE REPLACEMENT.
REMOVE OLD POLE. AIRCRAFT TO ASSIST WITH WIRE LIFTING.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT - 160FT.
WORK LOCATION OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AND BUILDINGS WITHIN 300'
ARE EVACUATED.

Daily Information

08/24/2021 - 08/25/2021

Asset Category: MEDIUM

Asset Type: UH-1H

Locations

08:00 - LZ	LZ - 4325 REDWOOD RETREAT RD GILROY	37 02.19'N	<no headquarters>	<no county>	500 ft
		121 39.64'W			

--- - Work Location

10181 METCALF-GREEN VALLEY 115 KV	37 02.11'N	Line #: 2540	MOSSLNDG	<no county>	500 ft
	121 39.73'W				

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	2500.0 lbs
Special Equipment	Grapple	Billing Number	31536294 100%
Comments	---	Req. Notifications	---

21-00843 Request Summary (Guardian Helicopters)

Talk About #

105

Talk Group

105

Talk Radio #

105

21-00843 (Guardian Helicopters) - August 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24 08:00 -16:00 UH-1H LZ - 4325 REDWOOD.. 37 02.19'N 121 39.64'W	25 08:00 -16:00 UH-1H LZ - 4325 REDWOOD.. 37 02.19'N 121 39.64'W	26	27	28
29	30	31				
5	6	7	8	9	10	11
12						

21-01596 Request Summary (Guardian Helicopters)



Requestor	Michael C Britt	Request Date	07/29/2021
LAN ID	MCB9	Work Type	Lift Work
Phone		Lift Work Type	HEC -
Cell	(209) 481-1705	For Contractor	Non-Energized
LOB	Electric Transmission Line		No
Vendor	Guardian Helicopters		

Work Dates

08/25/2021 BELL 407

Approver Foreman

Superintendent Kristopher Jay Banzon (KJBS)
Ken J Garcia (KJG9)

KJBS@pge.com
(P) (831) 633-6926

(C) (707) 835-4153
(C) (831) 206-0865

Scope of Work

SANTA CLARA COUNTY
MET CALF-GREEN VALLEY 115KV
CAP - NIL
DISPATCH NOTIFICATIONS - NIL

USFS/NATIONAL PARK TERRITORY - NIL
NOTIFICATIONS MADE - NIL

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

PAIRS WITH R843.

LZ/WORK LOCATION INFORMATION -
LZ OK, NO OBSTRUCTIONS. LZ DIAMETER VERIFIED FOR TYPE 2 AIRCRAFT - 160FT.
WORK LOCATION OK, NO OBSTRUCTIONS.

REQUESTOR TO ENSURE TRAFFIC MITIGATION IS IN PLACE AND BUILDINGS WITHIN 300'
ARE EVACUATED.

Daily Information

08/25/2021

Asset Category: LIGHT

Asset Type: BELL 407

Locations

08:00 - LZ	LZ - 4325 REDWOOD RETREAT RD GILROY	37 02.19'N 121 39.64'W	<no headquarters>	<no county>
-------------------	-------------------------------------	---------------------------	-------------------	-------------

Dust/Snow Mitigation Plan: Surface will have water applied prior to landing.

--- - Work Location

10181 METCALF-GREEN VALLEY 115 KV	37 02.11'N 121 39.73'W	Line #: 016/112	MOSSLNDG	<no county>	500 ft
-----------------------------------	---------------------------	-----------------	----------	-------------	--------

21-01596 Request Summary (Guardian Helicopters)

Dust/Snow Mitigation Plan: ---

Est. Use Hours	8.00	Vendor	Guardian Helicopters
Contract	PSPS GUARDIAN (407)	Over Water	No
Fuel Truck	Yes	Cargo Weight	600.0 lbs
Special Equipment	---	Billing Number	31536294 100%
Comments	---	Req. Notifications	---

Talk About #	105	Talk Group	105	Talk Radio #	105
---------------------	-----	-------------------	-----	---------------------	-----

21-01596 (Guardian Helicopters) - August 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25 08:00 -16:00 BELL 407 LZ - 4325 REDWOOD.. 37 02.19'N 121 39.64'W	26	27	28
29	30	31				



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 SET HECWORK ORDER #: 21-01596 21-ADDRESS: REDWOOD RETREAT ROADCITY: GILROY STATE: CALZ STAGING AREA 37° 2'11.22"N 121°39'38.13"W16/105 37° 2'29.03"N 121°39'27.36"W16/112 37° 2'6.60"N 121°39'43.80"WSEE ATTACHED FLIGHT REQUEST AND KMZ FILECONTACT REQUESTOR: KRISTOPHER JAY BANZONPHONE#: 707-835-4153CONTACT FORMAN: KEN GARCIAPHONE#: 831-206-0865

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: 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: 5 POLES 2500 LBS POLE MAX LOAD: EXT CL B TYPE OF ITEM LIFTING: ☐AERODYNAMIC ☒ NON- AERODYNAMIC LONG LINE: (NO) XXX (YES) LESS 150 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
8/24/2021 UH-1H	SUNRISE	SUNSET	8-15-2021
8/25/2021 UH-1H	SUNRISE	SUNSET	8-15-2021
8/25/2021 BHT 407	SUNRISE	SUNSET	8-15-2021
<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
AUBURN POLICE DEPARTMENT	530-823-4237	DISPATCH	NOTIFIED
PLACER COUNTY FIRE DEPARTMENT	530-823-4155	DISPATCH	NOTIFIED

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



Part 135 GH 4A Part 133 GH 4L

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
ONE STRUCTURE NEAR LZ STAGING AREA	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.

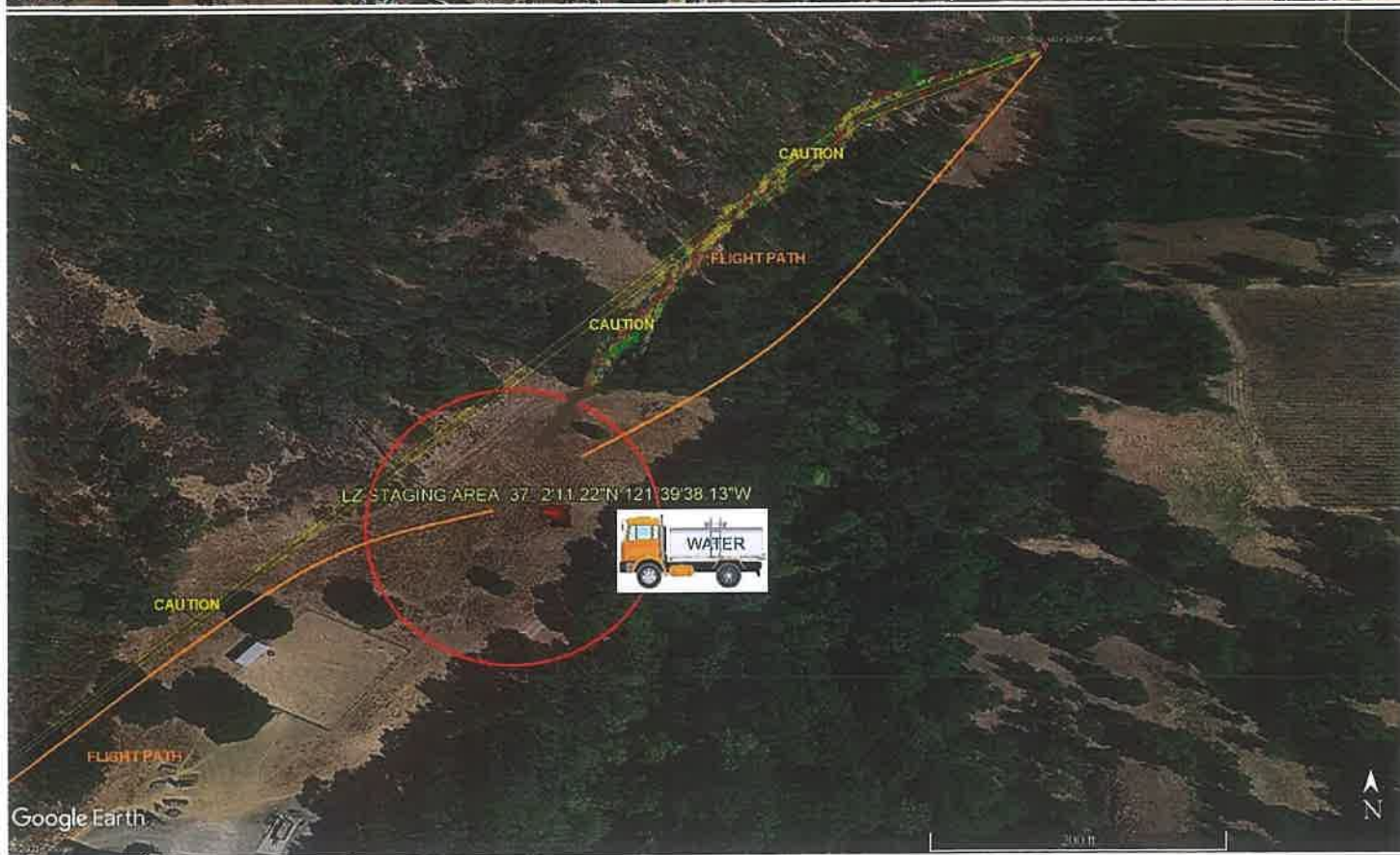
THE OPERATIONS AREA IS WITHIN THE SECURED AREA. ALL ESSENTIAL CREW WITHIN THE OPERATIONS AREA WILL NOT BE INVOLVED IN TAKING PICTURES OR ANY OTHER USE OF CELL PHONES.

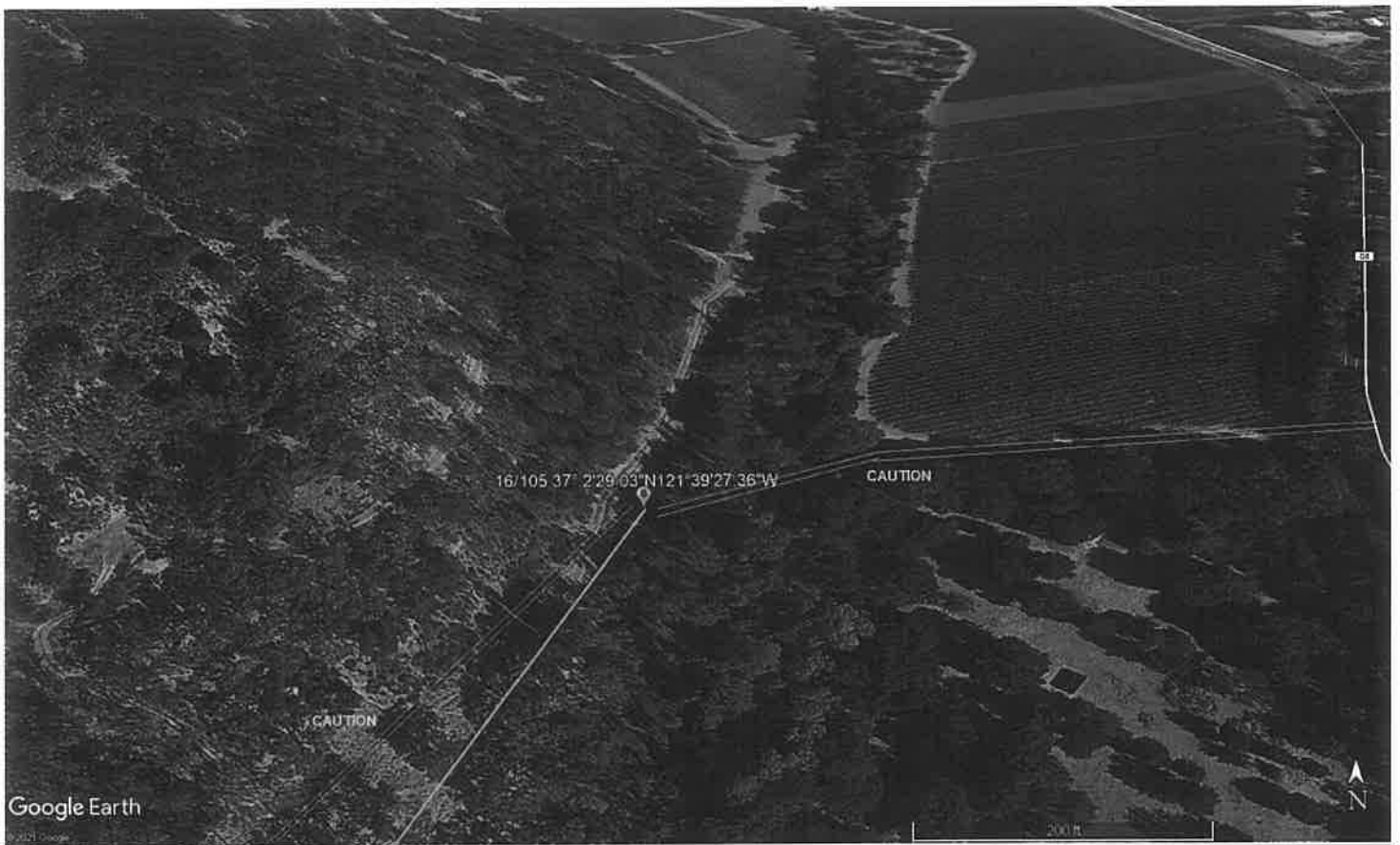
PRIOR TO BEGINNING OPERATIONS, A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED.

1. BOTH HELICOPTERS WILL LAND AT THE LZ TO CONDUCT A TAILBOARD AND HEC TRAINING
2. WATER TRUCK IS REQUIRED AT LZ
3. NOTIFY LOCAL HOME OWNERS ABOUT HELICOPTER OPERATIONS
4. NO STREET CLOSURES
5. ALL BUILDINGS WITHIN 300 FT OF STRUCTURE OR FLIGHT PATH SEE DIAGRAM BELOW
6. CONTRACTOR WILL PROVIDE TREE TRIMMING AS REQUIRED
7. UH-1H BOTH 24TH AND 25TH BHT 407 ONLY ON 8-25

LEGEND

<u>SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH</u>		
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)	





Jeffrey M. Teubner

8-16-2021
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE
Jeffrey M. Teubner Flight Coordinator