

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: SLO / Santa Maria

- ☐ 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

PGE 21-00427
4-19-2021 preposition 4/20-4/23
HEC Insulators Equipment
Non CAP

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

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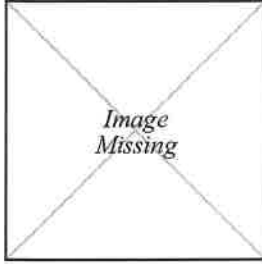
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AIRCRAFT	ENVIRONMENT	EXTERNAL LOAD
☐ Approach and departure ☐ Main/tail rotor hazards ☐ Safe cargo loading/unloading ☐ Loose articles: - Aircraft & LZ ☐ Hearing protection ☐ Door/seatbelt operation ☐ Headset/helmet/intercom ☐ Air-sickness ☐ In-flight 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

21-00427 Request Summary



Requestor	Michael J Roben	Request Date	03/01/2021
LAN ID	mjrb	Work Type	Lift Work
Phone	(805) 546-5244	Lift Work Type	HEC -
Cell	(805) 588-0702	For Contractor	Non-Energized
LOB	Electric Transmission Line		No
Vendor	Guardian Helicopters		

Work Dates

04/19/2021 - 04/23/2021 AS350B2

Approver	Superintendent Pete M Dominguez (pxd1)	PXD1@PGE.COM	(C) (805) 459-6255
Foreman	Jacob M Kristy (J1k7)	(P) (661) 340-5833	(C) (661) 340-5833

Scope of Work SAN LUIS OBISPO COUNTY
 DIABLO-MIDWAY #2
 CAP- NIL
 DISPATCH NOTIFICATIONS- NIL

USFS/NATIONAL PARK TERRITORY- LOS PADRES NATIONAL FOREST
 APPROVAL RECEIVED- YES

SCOPE- (HEC) MEN, TOOLS/ NEW HARDWARE AND OTHER MATERIALS FOR
 REINSULTING TOWERS ON MULTIPLE TOWERS. ALL TOWERS ARE IN HIGH AREA AND
 WILL NEED TO BE REINSULATED BEFORE SUMMER.

LZ/WORK LOCATION INFORMATION-
 LZ- OK, NO OBSTRUCTIONS. LZ APPROVAL RECEIVED.
 LZ DIAMETER VERIFIED FOR TYPE 3 AIRCRAFT- 80 FEET DIAMETER

WORK LOCATION(S)- OK, NOTE TREES WITHIN CLOSE PROXIMITY AND HILL TERRAIN.

**DUST/ TRAFFIC MITIGATION TO BE PROVIDED BY CONTRACTOR/PG&E.

Daily Information

04/19/2021

Reason for Request in Less than 10 Days:

Asset Category: LIGHT

Asset Type: AS350B2

Locations

14:00 - LZ	POSITION LEG	35 12.41'N	<no headquarters>	<no county>
		120 11.10'W		

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

Est. Use Hours	2.00	Vendor	Guardian Helicopters
Contract	---	Over Water	No
Fuel Truck	Yes	Cargo Weight	800.0 lbs
Special Equipment	HEC Gear	Billing Number	31531773 100%
Comments	**HEC NOT TO EXCEED 600LBS.	Req. Notifications	Air to Air

21-00427 Request Summary

04/20/2021 - 04/22/2021

Reason for Request in Less than 10 Days:

Asset Category: LIGHT

Asset Type: AS350B2

Locations

08:00 - LZ	LZ- Avenales	35 12.41'N 120 11.10'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 11.06'N 120 11.13'W	Line #: 38/155	PISMOBCH	<no county>	2000 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 11.11'N 120 10.99'W	Line #: 38/156	PISMOBCH	<no county>	1900 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 11.32'N 120 10.52'W	Line #: 39/158	PISMOBCH	<no county>	2000 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 11.56'N 120 10.00'W	Line #: 39/160	PISMOBCH	<no county>	2000 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 10.49'N 120 13.15'W	Line #: 36/148	PISMOBCH	<no county>	2200 ft
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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	31531773 100%
Comments	**HEC NOT TO EXCEED 600LBS.	Req. Notifications	Air to Air

21-00427 Request Summary

04/23/2021

Reason for Request in Less than 10 Days:

Asset Category: LIGHT

Asset Type: AS350B2

Locations

08:00 - LZ	LZ- Avenales	35 12.41'N 120 11.10'W	<no headquarters>	<no county>
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

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

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50004 DIABLO-MIDWAY #2 500 KV	35 11.11'N 120 10.99'W	Line #: 38/156	PISMOBCH	<no county>	1900 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

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

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 11.56'N 120 10.00'W	Line #: 39/160	PISMOBCH	<no county>	2000 ft
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Dust/Snow Mitigation Plan: Surface is composed of asphalt, concrete or gravel.

--- - Work Location

50004 DIABLO-MIDWAY #2 500 KV	35 10.49'N 120 13.15'W	Line #: 36/148	PISMOBCH	<no county>	2200 ft
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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	31531773 100%
Comments	**HEC NOT TO EXCEED 600LBS.	Req. Notifications	Air to Air

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

21-00427 - April 2021

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19 14:00 -16:00 AS350B2 POSITION LEG 35 12.41'N 120 11.10'W	20 08:00 -16:00 AS350B2 LZ- Avenales 35 12.41'N 120 11.10'W	21 08:00 -16:00 AS350B2 LZ- Avenales 35 12.41'N 120 11.10'W	22 08:00 -16:00 AS350B2 LZ- Avenales 35 12.41'N 120 11.10'W	23 08:00 -16:00 AS350B2 LZ- Avenales 35 12.41'N 120 11.10'W	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8



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 INSULATORS EQUIPMENT WORK ORDER #: 21-00427

ADDRESS: FOREST ROAD 31S02 CITY : ARROYO GRANDE STATE: CA

LZ STAGING AREA LATITUDE 35°12'24.60"N LONGITUDE 120°11'6.00"W ELEV 1740 FT

39/160 LATITUDE 35°11'33.60"N LONGITUDE 120° 9'60.00"W ELEV 1800 FT

39/158 LATITUDE 35°11'19.20"N LONGITUDE 120°10'31.20"W ELEV 1825 FT

39/156 LATITUDE 35°11'8.40"N LONGITUDE 120°11'1.20"W ELEV 1875 FT

38/156 LATITUDE 35°11'6.60"N LONGITUDE 120°10'59.40"W ELEV 1900 FT

38/155 LATITUDE 35°11'3.60"N LONGITUDE 120°11'7.80"W ELEV 1950 FT

36/148 LATITUDE 35°10'29.40"N LONGITUDE 120°13'9.00"W ELEV 2100 FT

35/143 LATITUDE 35°10'27.60"N LONGITUDE 120°14'21.00"W ELEV 2000 FT

CONTACT REQUESTOR: MICHAEL ROBEN PHONE#: 805-588-0702

CONTACT FORMAN: JACOB KRISTY PHONE#: 661-340-5833

PILOT'S NAME(S):

- | | |
|-------------------------|------------------------|
| 1. <u>JOHN OLSON</u> | <u>CERT #: 2769166</u> |
| 2. <u>BUCKEY MACKAY</u> | <u>CERT #: 2778051</u> |
| 3. <u>MICHAEL KLINK</u> | <u>CERT#: 3018828</u> |
| 4. <u>IAN GOODALE</u> | <u>CERT#: 3741973</u> |
| 5. <u>ROSS GOULET</u> | <u>CERT#: 3396777</u> |

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: HEC INSULATORS EQUIPMENT 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
4-19-2021 PREPOSITION	SUNRISE	SUNSET	4-10-2021
4-20-2021	SUNRISE	SUNSET	4-10-2021
4-21-2021	SUNRISE	SUNSET	4-10-2021
4-22-2021	SUNRISE	SUNSET	4-10-2021
4-23-2021	SUNRISE	SUNSET	4-10-2021



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

<u>AGENCY NAME:</u>	<u>PHONE#:</u>	<u>PERSON NOTIFIED:</u>	<u>DATE:</u>
CHP SANTA MARIA	805-349-8728	DISPATCH	NOTIFIED
SANTA MARIA FIRE DEPARTMENT	805-922-7979	STATION 3	NOTIFIED
CAL FIRE	805-929-3911	STATION 20	NOTIFIED
SANTA MARIA AIRPORT	805-922-1726	TOWER	NOTIFIED

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

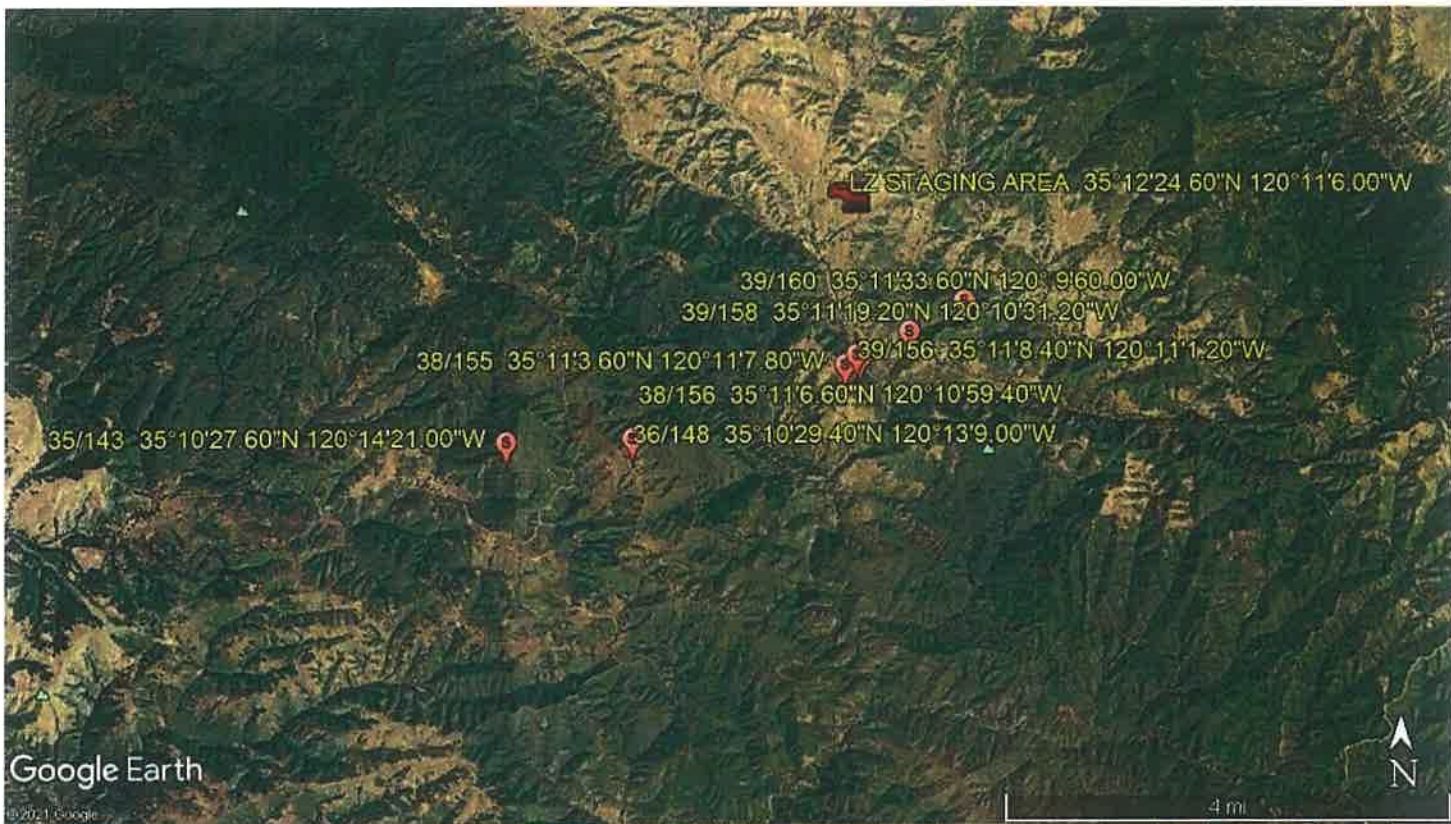
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE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

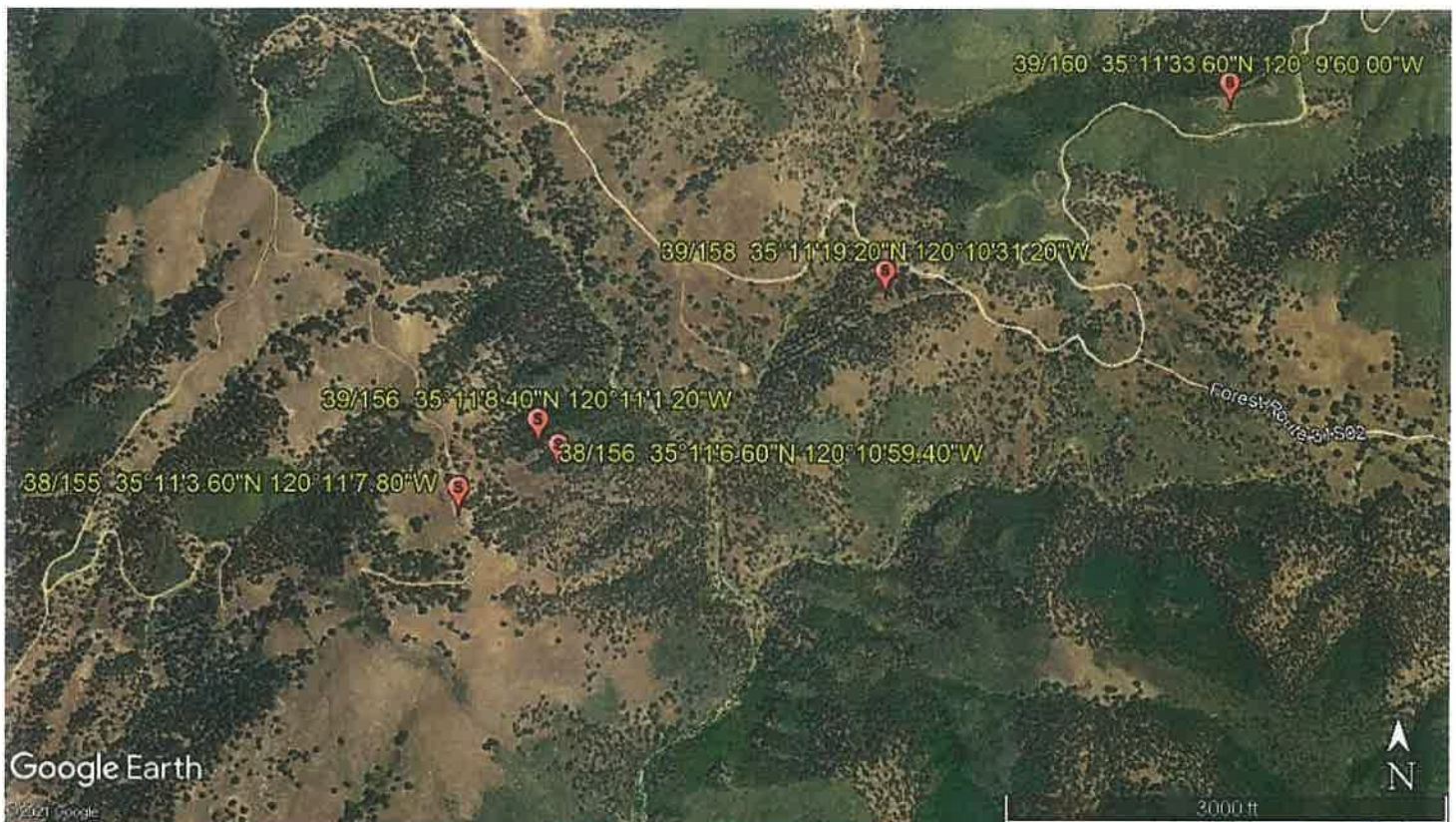
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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. PARKING LOT NEAR STRUCTURE WILL BE VACANT FOR AN EMERGENCY LZ
3. TAILBOARD WILL BE CONDUCTED AT POLE STAGING AREA
4. WATER TRUCK IS REQUIRED AT LANDING AREAS
5. NO EVACUATIONS
6. STREET CLOSURE AT LZ AND AT STRUCTURE
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)	

4-10-2021

DATE OF SUBMISSION

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

COMPANY OFFICIAL / TITLE

Jeffrey M. Teubner Flight Coordinator