

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

Bishop
6-3-2019
(1) 45CL3 1300CBS
NON CAP
TA 1455847

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:
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.
	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	☐ 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

SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: aiops@sce.com or fax to 909-974-4678. Once this form is received by Aircraft Operations, you will receive a response within 24 hours. For questions call SCE Aircraft Operations Dispatch at PAX 11676.

Requestor Information

Flight requested by:*	William Wade
Department:*	Contractor TBDU
Pax:*	
Cell Number:*	626-393-9686
Email Address:*	WWADE@OUTSOURCEUCC.COM

SAP Accounting Number*	TD1455847
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Flight Description

Please choose a mission type:

- | | | |
|---|--------------------------------------|---|
| ☐ Camera – HD/IR | ☐ Line String | ☒ Pole-set |
| ☐ Crew support | ☐ Passenger | ☐ Recon |
| ☐ External Load | ☐ Patrol | ☐ Training |
| ☐ HEC | ☐ Photo | ☐ Need more info, please contact |

Mission specific details (ex: Passenger name, pole size/weight, external load type, etc):

Will need a Helicopter to set a framed 45 class 3 pole. Single cross arm only.

General Operating Location	37.527444/-118.644333
District	85 BISHOP
LZ Coordinates (if known)	37.515426/-118.639255
Pick-up location for passenger flights	NO PASSANGERS
Drop-off location for passenger flights	NO PASSANGERS

Date(s) for which service is requested	5/30/19
Time of Pick-up	0900
Approx. mission duration (if known)	.5 HOURS ROUND TRIP FROM LZ TO SITE AND BACK
Back-up date for mission (if known)	TBD

Authorizer	
Authorizer PAX and cell number	

**required information*

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1 _____

☐ Week 2 _____

☐ Week 3 _____



SECTION 7

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

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT : EDISON POLE REPLACEMENT WORK ORDER #: TD1455847
ADDRESS: SKY MEADOW ROAD : BISHOP CA
STAGING AREA LATITUDE 37°30'55.82"N LONGITUDE 118°38'21.27"W ELEV: **6500 FT**
POLE LATITUDE 4464111E 37°31'38.75"N LONGITUDE 118°38'39.66"W ELEV: **6700 FT**
CONTRACTOR'S NAME: TDBU BISHOP SERVICE CENTER PHONE#: 626-393-9686
CONTACT: WILLIAM WADE PHONE #: 626-393-9686
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. MARTIN RODRIGUEZ CERT #: 3555121
4. MICHAEL KLINK CERT#: 33018828

TYPE OF AIRCRAFT: BELL UH-1H N# N711GH A/C CATEGORY: RESTRICTED
BELL UH-1H N# N241KK A/C CATEGORY: RESTRICTED
BELL 205A1 N# N216GH A/C CATEGORY: STANDARD
BELL 407 N# N407GH 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

TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC
IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: (1)↓ (1)↑ 45 CL 3 POLES 1150 LBS0LBS

MAX SINGLE – LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: 6 LONG LINE: XXX (NO) XXX (YES) 100 FT LONG LINE + 45 FT POLE + 10 FT RIGGING = 155 FT (LENGTH)

OPERATIONAL ALTITUDE: < 250 STREET CLOSING: XX (NO) (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
6-3-2019	SUNRISE	SUNSET	5-30-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
MAMMOTH LAKE POLICE DEPARTMENT	760-965-3700	WATCH COMMANDER	NOTIFY
CHALFANT VALLEY FIRE DEPARTMENT	760-873-5402	DISPATCH	NOTIFY



NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS:

BUILDING DESCRIPTION/ADDRESS	OWNER(S):	PHONE #:
N/A	N/A	N/A
N/A	N/A	N/A

MARK "X" WHERE PERTAINING TO THE LIFT PLAN:

_____ Copy of written agreement with local officials for the exclusion of unauthorized persons attached

XXX Responsibility is delegated to the operator (fill in below)

OFFICIAL'S NAME: JEFFREY TEUBNER

PHONE #: 818-442-9904



NON- Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406

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.

A TAILBOARD SAFETY BRIEF WILL BE CONDUCTED AT THE LZ STAGING AREA PRIOR TO HELICOPTER OPERATIONS

1. HELICOPTER WILL LAND IN THE LZ TO CONNECT THE LONGLINE
2. FUELING WILL ONLY BE CONDUCTED AT THE STAGING AREA
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. REMOTE AREA NO EVACUATIONS
5. PROVIDE A WATER TRUCK AT THE LANDING ZONES
6. NO ROAD CLOSURE
7. POLES WILL BE STAGED AT THE LANDING ZONE

5-30-2019

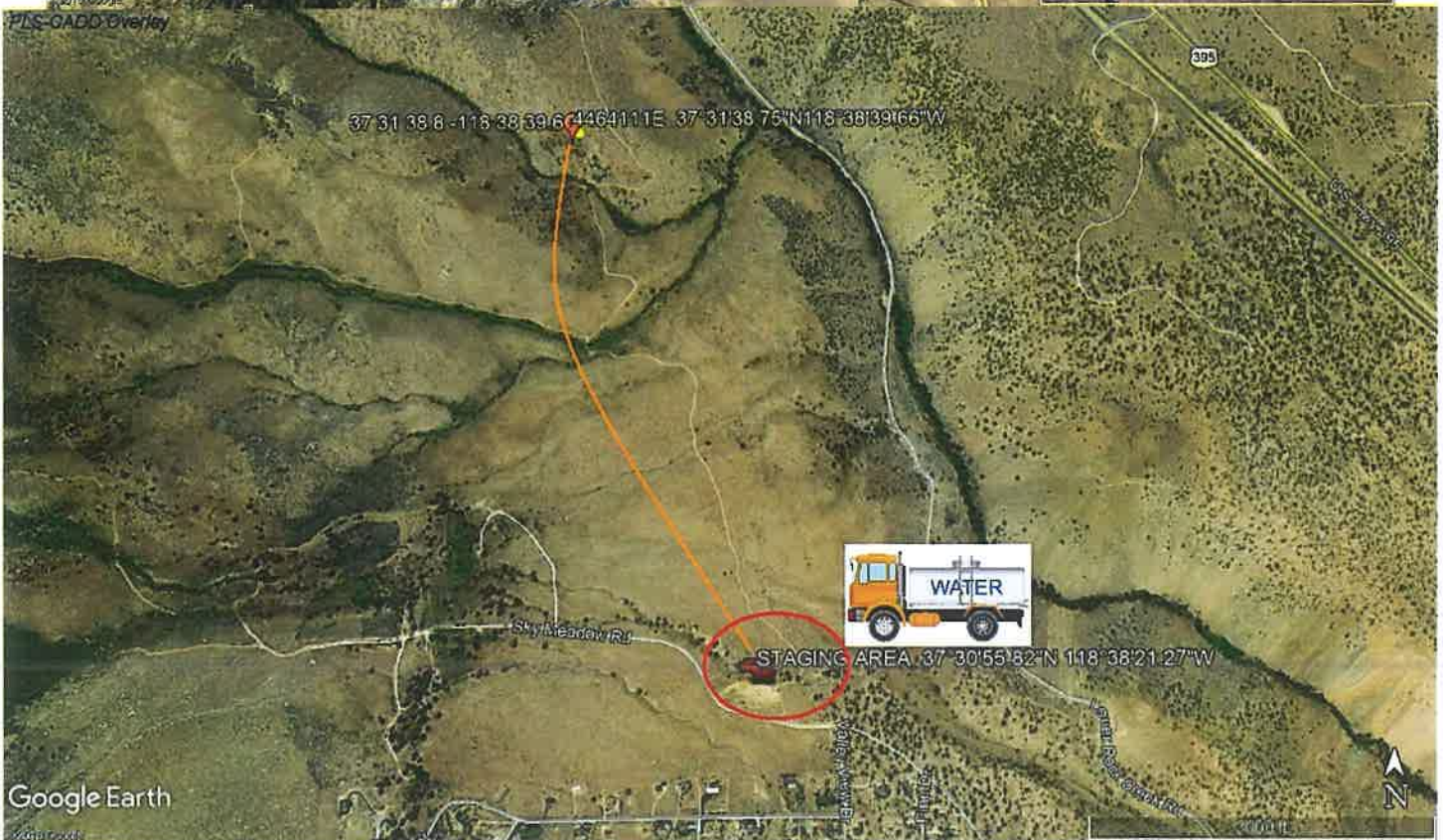
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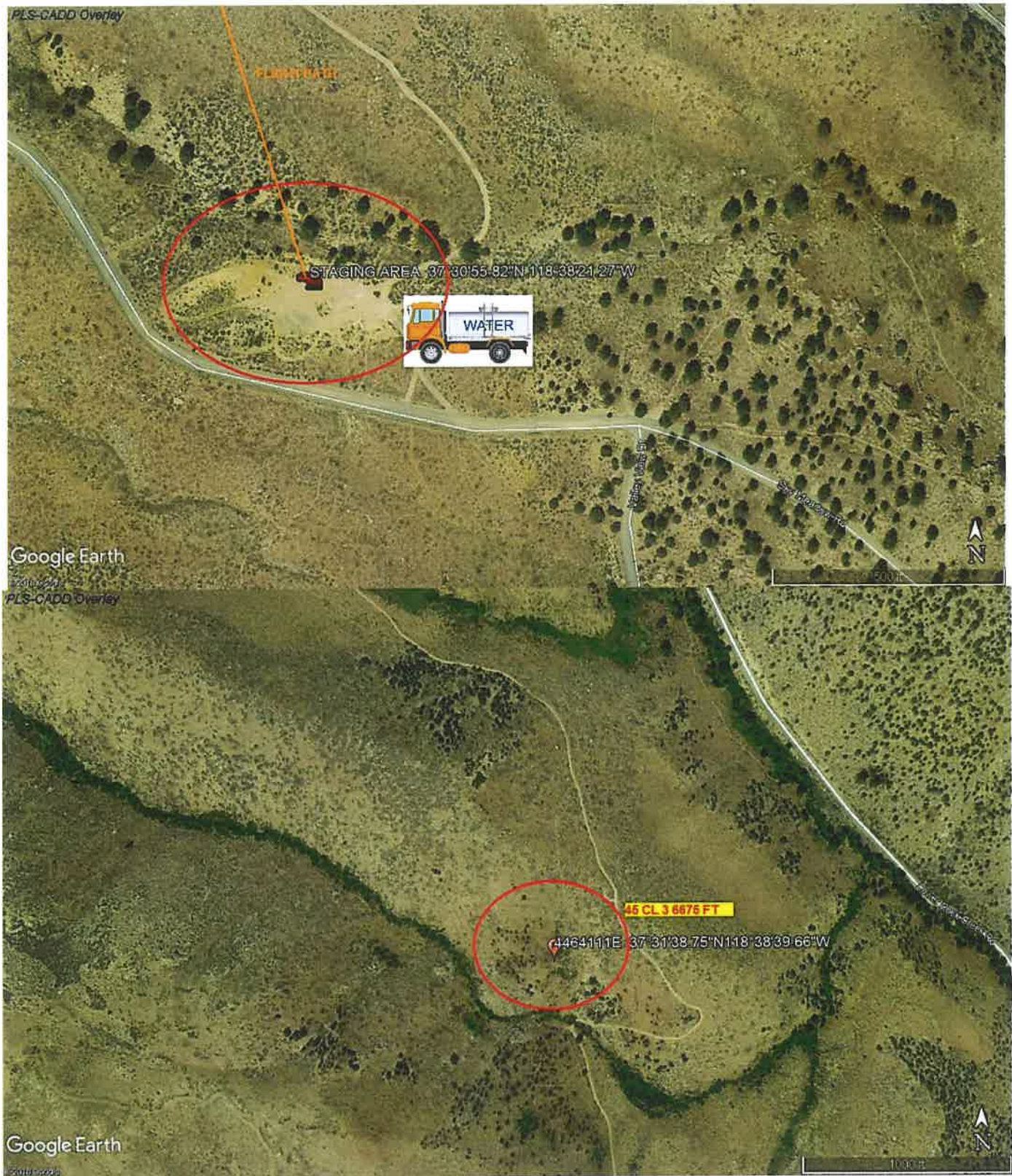
COMPANY OFFICIAL / TITLE



GUARDIAN
HELICOPTERS, INC.

**Part 135 GH 4A Part 133 GH 4L
OPERATIONS AREA DIAGRAM**





LEGEND

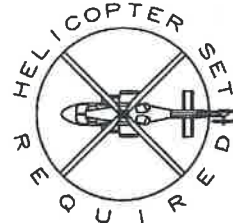
SITE PLAN SYMBOLS: EVACUATION FLIGHT PATH

LANDING AREA = (LZ)	STREET BLOCKED = XXXX	TOP TWO FLOORS = UBT2
ATTACH AREA = (A)	RELEASE AREA = (R)	
FLIGHT PATH = >>>	EMERGENCY LAND = (ELZ)	
UNOCCUPIED BUILDING = (UBA)	UNOCCUPIED BUILDING TOP FLOOR = (UBT1)	

AREA SURVEY CONDUCTED BY :

Jeffrey M. Jordon

TRANSFER:
1-1/OA 12KV
2-2A 12KV
1-3-BOLT TEL (FTR)



37' 31' 38.8"
 -118' 38' 39.6"
 ELEV: 6652

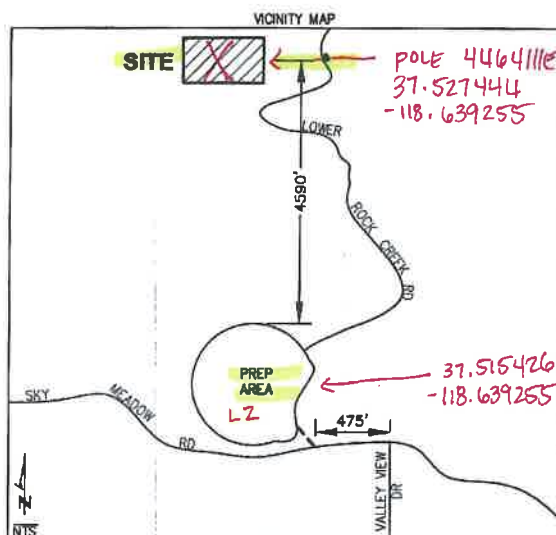
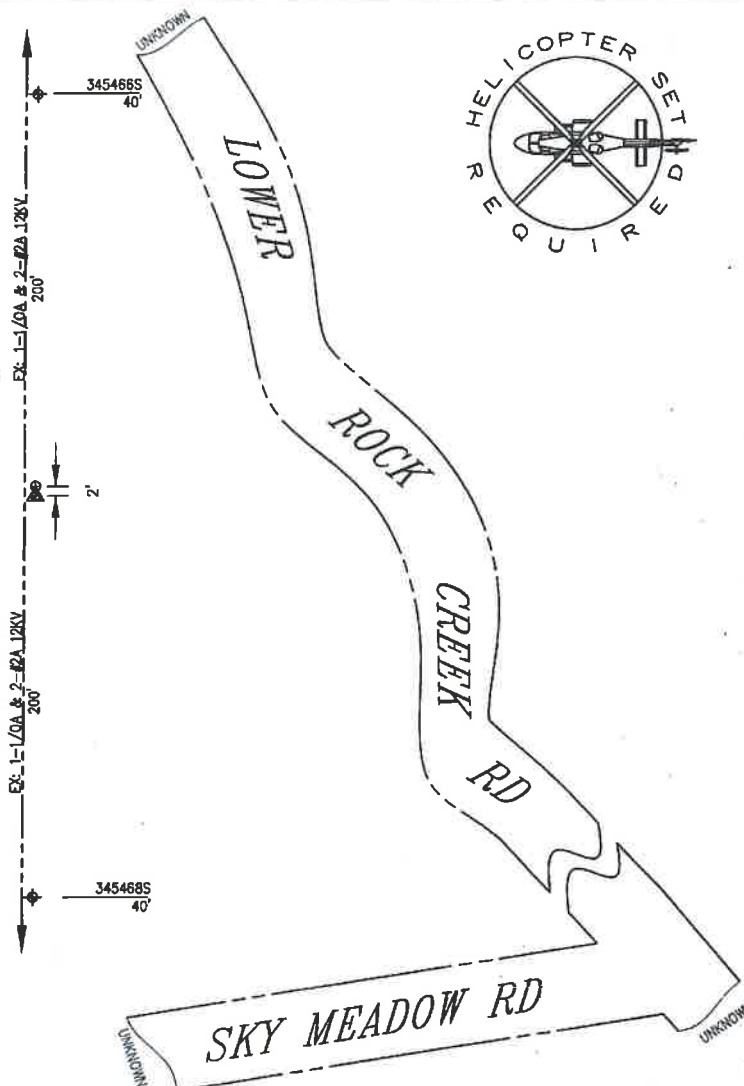
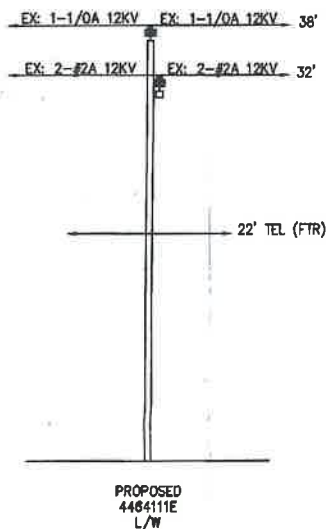
4464111E

2 POLE

45' Class C3

IN: 1- POLE 45' CLASS 3 WOOD FULL TREAT
 IN: 1- INS POLY & RIDGE PIN 33KV
 IN: 1- XA SNGL TAN HD COMP 10' W/BKT
 IN: 2- INS POLY POST 12(25)KV #4-336 ACSR

1	RM	4464111E
	40'	Class C5
	RM: 1- POLE 40' CLASS 5 WOOD FULL TREAT	
	RM: 1- INS POST GLASS & RIG PIN 12KV #4-336A	
	RM: 1- XA SNGL VB 10' STEEL PINS	
	RM: 2- INS GLASS & PIN 12KV	



SOUTHERN CALIFORNIA
EDISON
An Edison International Company

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	☐
PWRD BB REQUIRED	☐
UG CIVIL ONLY WORK ORDER	☐
PERMIT REQUIRED	☒
PERMIT TYPE: <u>USFS</u>	
OUTAGE REQUIRED	☐
OUTAGE DATE: _____	TIME: _____
TRAFFIC CONTROL REQUIRED	☐
PED. TRAFFIC CONTROL REQ'D	☐
CONVEYANCE LETTER REQ'D	☐
ENVIRONMENTAL CLEARANCE REQ'D	☒
CSD 140 (TJM) REQ'D	☐

DISTRICT 95 - BISHOP	PROJ. MGR. PHONE	GALLARDO, ANTHONY 909-274-3624	PLANNER PHONE	TIDWELL DESIGN 805-746-2647	DESIGNER TIDWELL DESIGN
PROJECT NO. 1664859	SERVICE REQUEST 2571990	MSR NO.	PRODUCT-1 1455847-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGNED BY	
CIRCUIT / VOLTAGE ROCKCREEK 12KV		THOMAS GUIDE N/A	PRODUCT-2	ASSOC DESIGNED BY	
SUB / PG NO. SHERWIN A1		CIRCUIT CODE 15302	PRODUCT-3	ASSOC DESIGNED BY	
INVENTORY MAP 376-2538-2	J.P.A. NO. E6085-409743933	PROPOSED CONSTRUCTION (LOCATION) 4464111E LOWER ROCK CREEK RD 1870' W/O, 6722' N/O SKY MEADOW RD SWALL MEADOWS, CA 93514			
		TIDWELL			
DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET
Southern California Edison Company					DESIGN/DWG NO. 1079154 0.01