

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 5-30-2019
- ☐ GHI CREW INTRODUCTION Shaver Lake
- ☐ IS A TRANSLATOR REQUIRED (3) MAY 2168LBS
- ☐ WORK STOP AUTHORITY Non CAP
- ☐ DESIGNATE A 911 CALLER UH-1H
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES TD14/5891
- ☐ 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:

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

☐ Week 3

San Joaquin Region Helicopter Set Date/s 1/29/19

#	Circuit	TD. #	Fly Date	Sta	Str. #	Pole Size	Weight	Elev	Coordinates	Notes/pole pickup loc
1	Stevenson	1415891	5.30.2019	1& 2	1272109E	45'	2168	2500	37 12 30.7 N 119 19 39.0 W	wood
2	Stevenson	1415891	5.30.2019	3 &4	4369533e	35'	800	2500	37 12 33.1 N 119 19 46.2 W	comp
3	stevenson	1415891	5.30.2019	5 & 6	1921290E	35'	800	2500	37 12 31.5 N 119 19 46.4 W	comp
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

LZ Hydro maintenance PH 8

Town: big creek

GPS 37 12 21.68 n 119 19 21.36 w

Elevation 2500

Hot Line Contacts Eric Ball 925 418 9723

SCE PGS Contacts: Charles Calvo 559 280-7850

Notes:



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 REMOVAL **WORK ORDER NUMBER:** TD 1415891
ADDRESS: CANYON ROAD CITY :SHAVER LAKE CA
LZ STAGING AREA LATITUDE 37°12'21.90"N **LONGITUDE** 119°19'21.39"W
POLE 1272109E LATITUDE 37°12'30.70"N **LONGITUDE** 119°19'39.00"W
POLE 4369533E LATITUDE 37°12'33.1"N **LONGITUDE** 119°19'46.20"W
POLE 1921290E LATITUDE 37°12'31.50"N **LONGITUDE** 119°19'46.40"W
CONTRACTOR'S NAME: SCE T&D CHARLES CALVO **PHONE#:** 559-280-7850
CONTACT PERSON: ERIC BALL **HOTLINE PHONE#:** 925-418-9723
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# N214KK A/C CATEGORY: RESTRICTED
BELL 407 N# N407GH 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

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: (8) MAX 2168 LBS

MAX SINGLE – LIFT WEIGHT: 2168 LBS **CLASS OF LOAD:** EXTERNAL CL B

NO. OF LIFTS: 8 **LONG LINE:** (NO) XXX (YES) **LESS THEN 150 FT (LENGTH)**

OPERATIONAL ALTITUDE: < 50 **STREET CLOSING:** XX (N0) (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
5-30-2019	SUNRISE	SUNSET	5-25-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
CHP DEPARTMENT	559-841-8473	DISPATCH	NOTIFY
FIRE DEPARTMENT	559-841-3360	DISPATCH	NOTIFY
CAL FIRE	559-841-7774	DISPATCH	NOTIFY

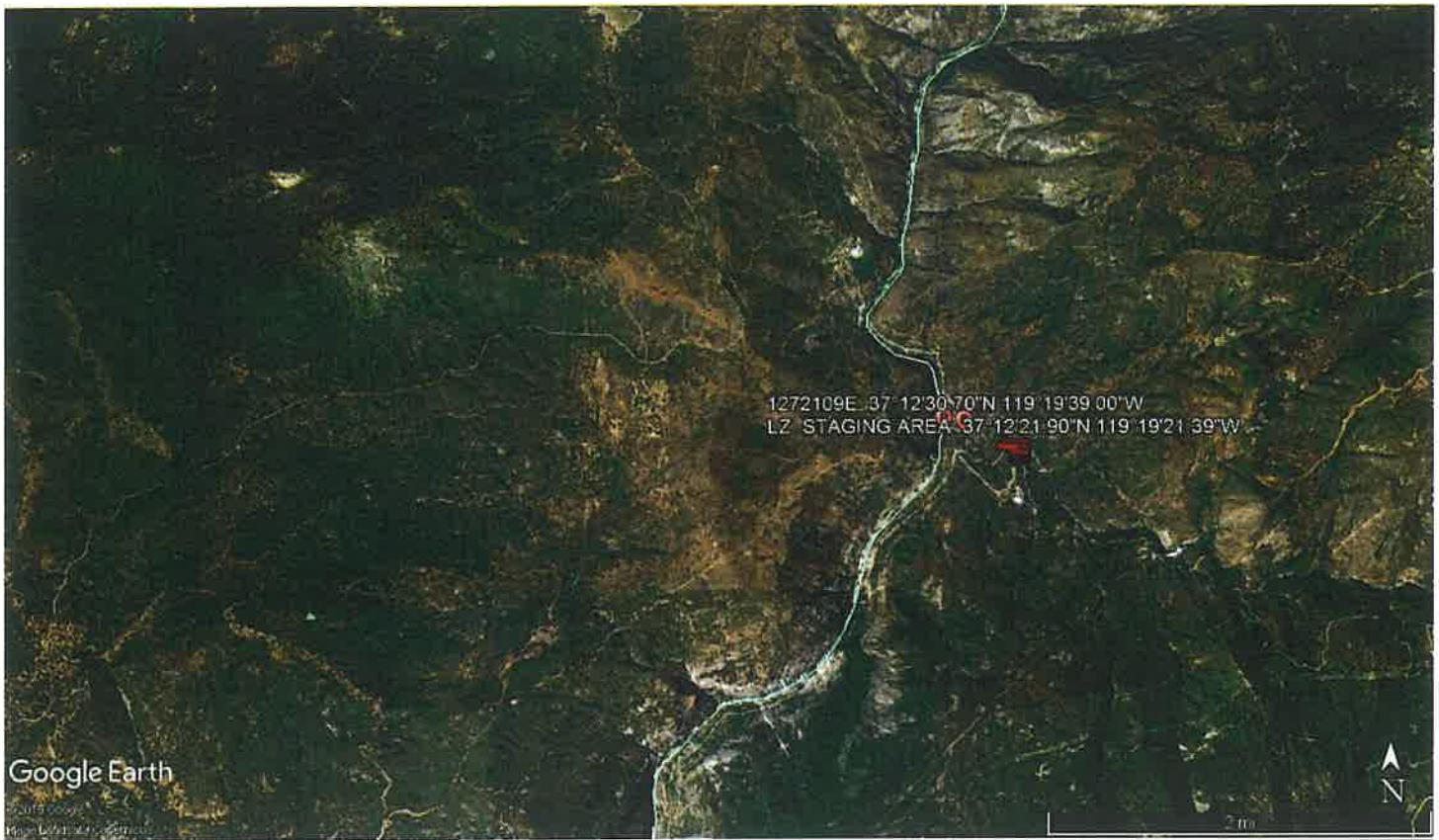


NON- Congested Area Plan (Continued)

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
ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

BUILDING DESCRIPTION/ADDRESS	REMARKS	PHONE #:
NONE		





NONE- 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

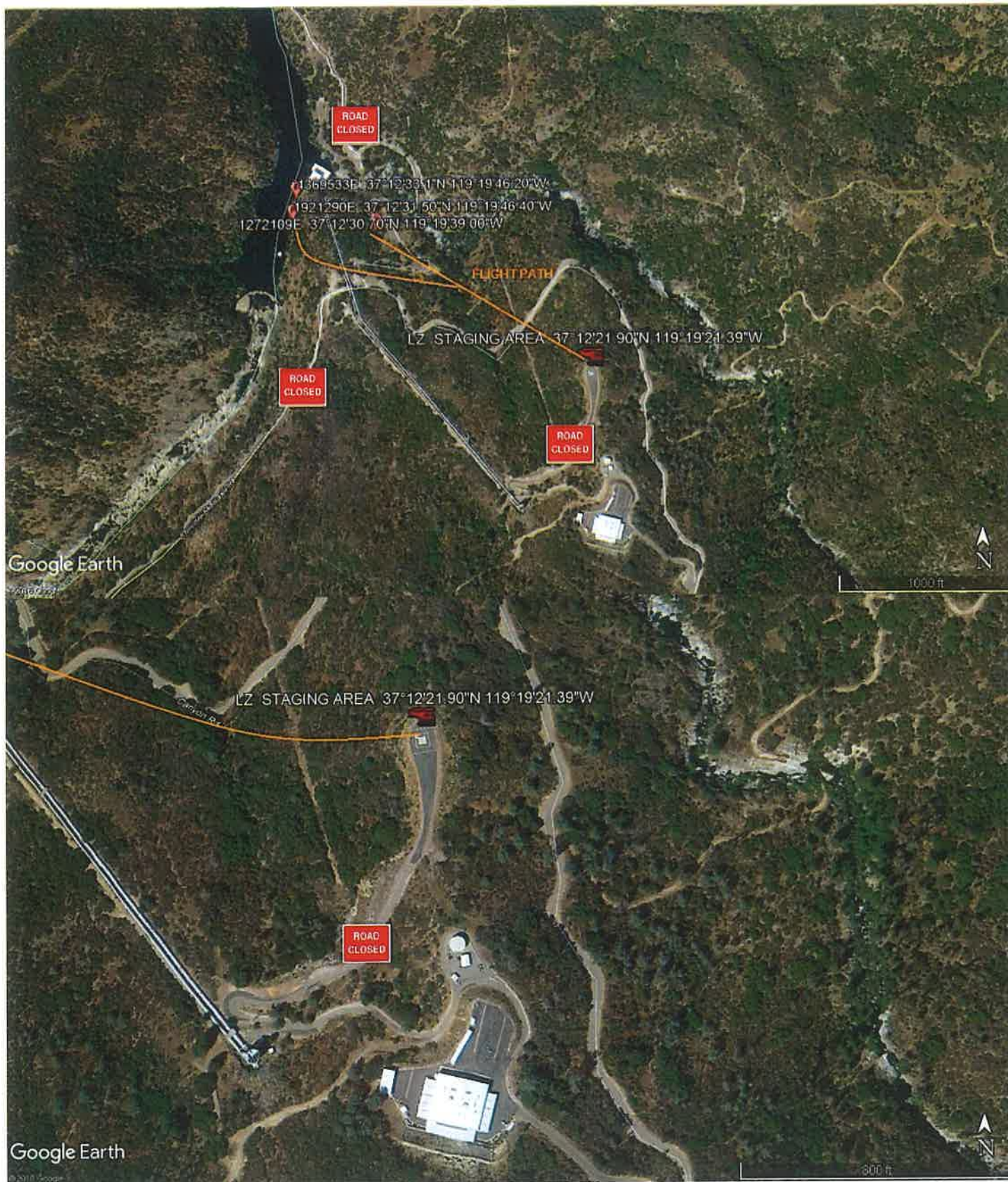
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE 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 DAILY TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED LOCATING PRIOR TO BEING OPERATIONS

1. HELICOPTER WILL LAND AT THE STAGING AREA FOR FUELING AND CONNECTING LONGLINE
 2. POLES WILL BE STAGED AT THE LANDING ZONE
 3. WATER TRUCK NOT REQUIRED
 4. EMERGENCY LANDING ZONE IS AT THE HELIPAD, STAGING AREA AND IN ROUTE TO POLE SITES IF REQUIRED
 5. FLAG MAN WILL BE POSTED TO STOP ANY TRAFFIC WHILE THE HELICOPTER IS SETTING POLES NEAR THE ROAD.
 6. ROAD LEADING TO LZ STAGING AREA WILL BE CLOSED.
-





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)	

5-25-2019

DATE OF SUBMISSION

Jeffrey M. Jentura

COMPANY OFFICIAL / TITLE

NOTES:

- NO TRUCK ACCESS
- SET HARD SOUTH
- CRANE SET
- E-PTD
- RIGHTS CHECK (FEDERAL LAND)
- HYDRO POLE

TRANSFER:

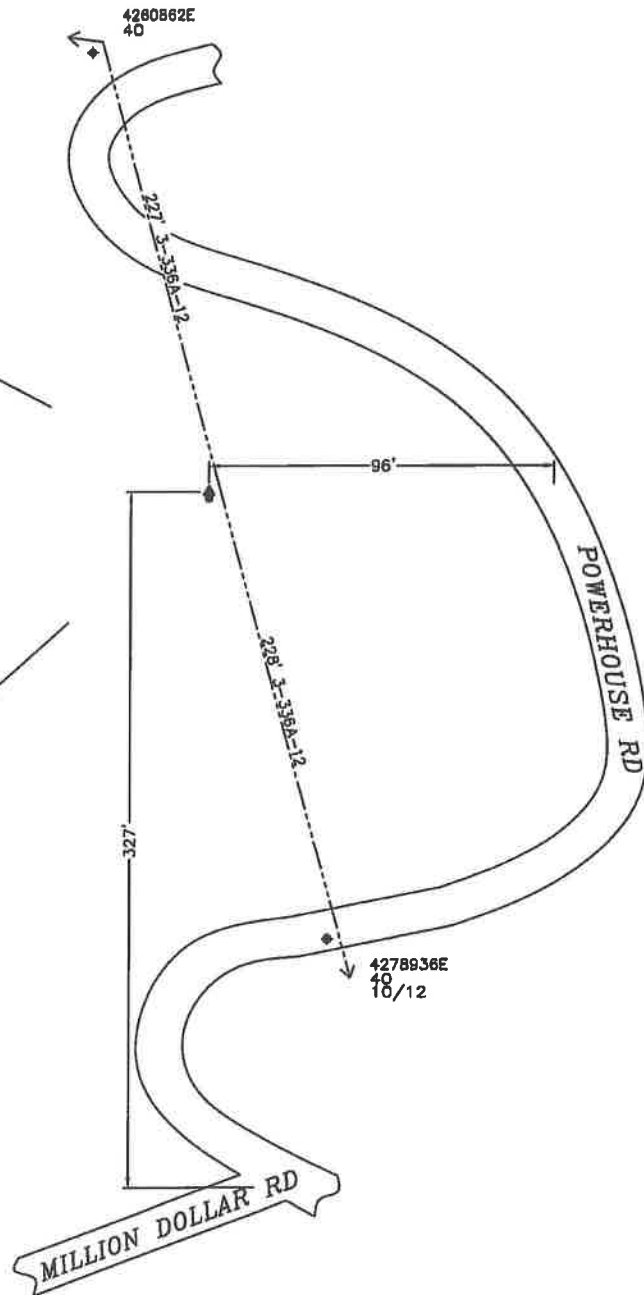
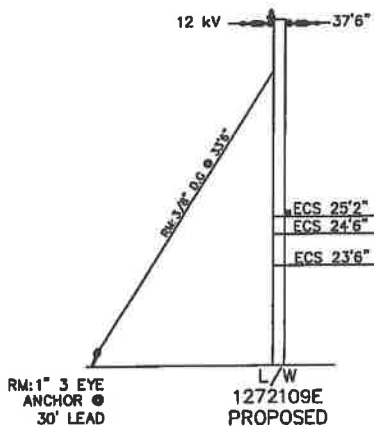
- 3-336A-12
- 48-500 W/ARM (ECS)
- 2-COMM W/MESS (ECS)

5/30

- 1 RM 1272109E
40' Class C5
RM: 1- POLE 40' CLASS 5 WOOD FULL TREAT
RM: 1- XA DBLE V8 10' STEEL PINS
RM: 9- INS GLASS/POLY 35KV & LESS
RM: 1- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
RM: 1- AG ANCHOR ROD 1" X 10' 3-EYE W/PLATE

37' 12" 30.7" N,
119' 19" 39.0" W
ELEV: 2,429

- 2 POLE 1272109E
45' Class H1
IN: 1- POLE 45' CLASS H1 WOOD FULL TREAT
IN: 1- XA DBL HD DE COMP 10'
IN: 6- INS POLY DE 12KV HOT SHOE 336 ACSR
IN: 3- INS POLY W/PIN 12(25)KV CLMP #4-336 ACSR
IN: 1- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

- EDISON EASEMENT REQUIRED ☐
- PMRD 88 REQUIRED ☐
- UG CIVIL ONLY WORK ORDER ☐
- PERMIT REQUIRED ☒
- PERMIT TYPE: USFS
- OUTAGE REQUIRED ☐
- OUTAGE DATE: _____ TIME: _____
- TRAFFIC CONTROL REQUIRED ☐
- PED. TRAFFIC CONTROL REQ'D ☐
- CONVEYANCE LETTER REQ'D ☐
- ENVIRONMENTAL CLEARANCE REQ'D ☒
- CSD 140 (TUM) REQ'D ☐

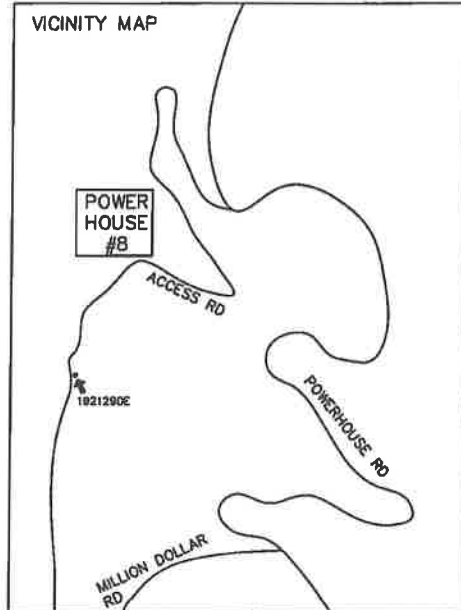
DISTRICT 50 - SHAVER LAKE	PROJ. MGR. SANDOVAL, SANDRA PHONE	PLANNER PHONE	DIVERSIFIED UTILITIES 661-325-3212	DESIGNER DIVERSIFIED UTILITIES
PROJECT NO. 1615045	SERVICE REQUEST 2523662	MSR NO.	PRODUCT-1 1415891-DET POLE REPLACEMENT	ASSOC DESIGN
CIRCUIT / VOLTAGE STEVENSON 12kV	THOMAS GUIDE	PRODUCT-2		ASSOC DESIGN
SUB / PG NO. % BIG CREEK 2 S1	CIRCUIT CODE	PRODUCT-3		ASSOC DESIGN
INVENTORY MAP 682-1903-1	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) STR# 1272109E 327' N/O MILLION DOLLAR RD 96' W/O POWERHOUSE RD BIG CREEK, CA		
7/12/2018	DATE	APPROVED BY	CHECKED BY	DRAWN BY
Southern California Edison Company				
SHEET			DESIGN/DRWG NO. 1047695_0.01	

NOTES:

- NO TRUCK ACCESS
- ACCESS THROUGH POWERHOUSE #8
- RIGHTS CHECK (FEDERAL LAND)
- SET HARD NORTH
- E-PTD
- HYDRO POLE

TRANSFER:

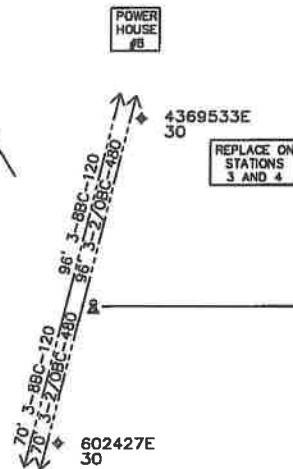
- 3-2/OBC-480
- 8-BBC-120 W/ARM (ECS)



5 RM 1921290E
30' Class C5
RM: 1- POLE 30' CLASS 5 WOOD FULL TREAT
RM: 1- XA SNGL VB 10' STEEL PINS N/BOND
RM: 6- INS GLASS/POLY 35KV & LESS

37° 12' 31.5" N,
119° 19' 46.4" W
ELEV: 2,296

6 POLE 1921290E
35' Class C2
IN: 1- POLE 35' CLASS 2 RS COMP SEC POLE
XA SNGL TAN HD COMP 10' W/BKT
IN: 4- SEC STEEL PIN & INS - PHASE
IN: 2- SEC STEEL PIN & INS - NEUTRAL



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☐ N
PMRD 88 REQUIRED ☐ N
UG CIVIL ONLY WORK ORDER ☐ N
PERMIT REQUIRED ☒ Y
PERMIT TYPE: USFS
OUTAGE REQUIRED ☐ N
OUTAGE DATE: _____ TIME: _____
TRAFFIC CONTROL REQUIRED ☐ N
PED. TRAFFIC CONTROL REQ'D ☐ N
CONVEYANCE LETTER REQ'D ☐ N
ENVIRONMENTAL CLEARANCE REQ'D ☒ Y
CSD 140 (TLU) REQ'D ☐ N

DISTRICT 50 - SHAVER LAKE		PROJ. MGR. SANDOVAL, SANDRA PHONE		PLANNER DIVERSIFIED UTILITIES PHONE 661-325-3212		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO. 1615045		SERVICE REQUEST 2523662		MSR NO. 1415891- DET POLE REPLACEMENT		ASSOC DESIGN	
CIRCUIT / VOLTAGE STEVENSON 12kV		THOMAS GUIDE		PRODUCT-2		ASSOC DESIGN	
SUB / PG NO. % BIG CREEK 2 S1		CIRCUIT CODE		PRODUCT-3		ASSOC DESIGN	
INVENTORY MAP 682-1903-1		J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) STR# 1921290E 754' NW/O MILLION DOLLAR RD 610' S/O POWERHOUSE RD BIG CREEK, CA			
TYPE		DATE		APPROVED BY		CHECKED BY	
		7/13/2018				DUS-PM/AR	
SHEET		DESIGN/DRWG NO.		1047695_0.01			

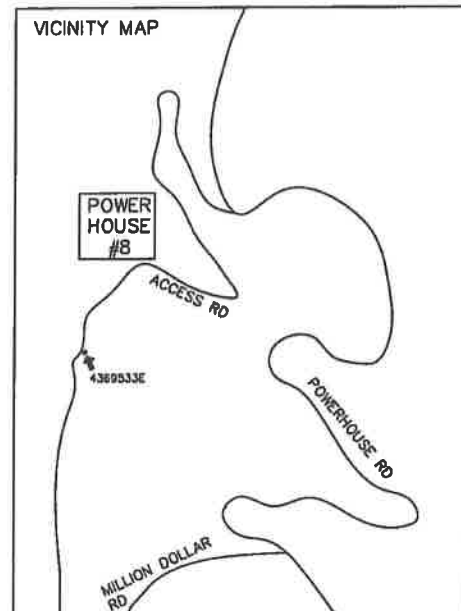
NOTES:

- NO TRUCK ACCESS
- ACCESS THROUGH POWERHOUSE #8
- RIGHTS CHECK (FEDERAL LAND)
- SET HARD NORTH
- E-PTD
- HYDRO POLE

TRANSFER:

- 3-2/OBC-480
- 8-8BC-120 ECS W/ ARM
- 70 WATT ST/LT W/MAST

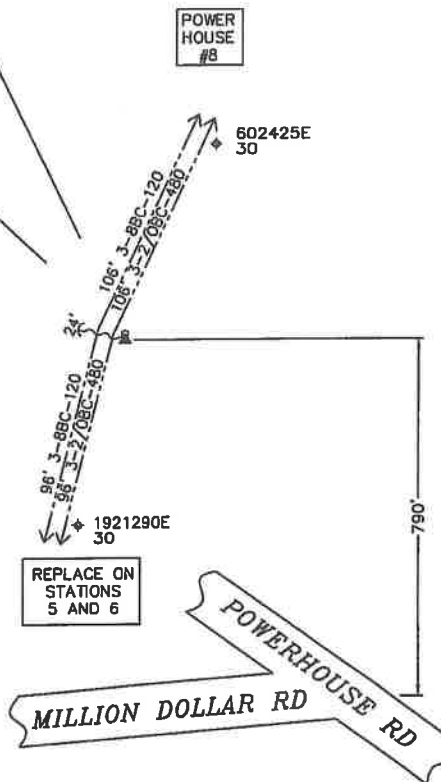
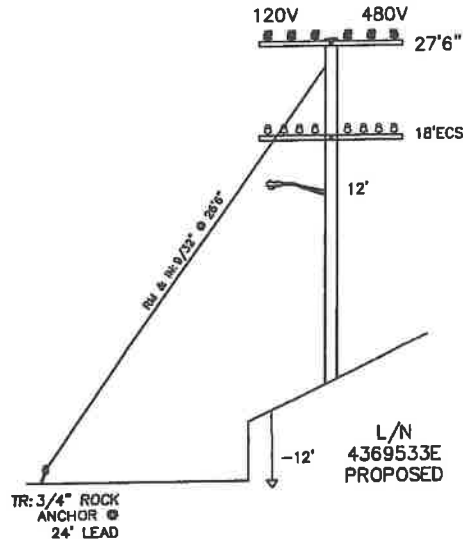
VICINITY MAP



3 RM 4369533E
 30' Class C5
 RM: 1- POLE 30' CLASS 5 WOOD FULL TREAT
 RM: 1- XA SNGL TAN HD COMP 10' W/BKT
 RM: 6- INS GLASS/POLY 35KV & LESS
 RM: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
 RM: 1- SEC 2" PVC FOR UNDER ARM W/#2 TW

37° 12' 33.1" N,
 119° 19' 46.2" W
 ELEV: 2,262'

4 POLE 4369533E
 35' Class C2
 IN: 1- POLE 35' CLASS 2 RS COMP SEC POLE
 IN: 1- XA SNGL TAN HD COMP 10' W/BKT
 IN: 1- SEC 2" PVC FOR UNDER ARM W/#2 TW
 IN: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
 IN: 4- SEC STEEL PIN & INS - PHASE
 IN: 2- SEC STEEL PIN & INS - NEUTRAL
 IN: 1- GUYING TEE



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☒
 PWRD BB REQUIRED ☒
 UG CIVIL ONLY WORK ORDER ☒
 PERMIT REQUIRED ☒
 PERMIT TYPE: USES
 OUTAGE REQUIRED ☒
 OUTAGE DATE: _____ TIME: _____
 TRAFFIC CONTROL REQUIRED ☒
 PED. TRAFFIC CONTROL REQ'D ☒
 CONVEYANCE LETTER REQ'D ☒
 ENVIRONMENTAL CLEARANCE REQ'D ☒
 CSD 140 (TLM) REQ'D ☒

DISTRICT 50 - SHAYER LAKE		PROJ. MGR. SANDOVAL, SANDRA PHONE		PLANNER DIVERSIFIED UTILITIES PHONE 661-325-3212		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO. 1615045		SERVICE REQUEST 2523682		MSR NO. THOMAS GUIDE		PRODUCT-1 1415891 - DET POLE REPLACEMENT	
CIRCUIT / VOLTAGE STEVENSON 12kV		SUB / PG NO. % BIG CREEK 2 S1		CIRCUIT CODE		PRODUCT-2	
INVENTORY MAP 682-1903-1		J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) STR# 4369533E		ASSOC DESIGN	
DATE 7/13/2018		APPROVED BY		CHECKED BY		DESIGNED BY	
TYPE		DATE		APPROVED BY		CHECKED BY	
DRAWN BY		PAX #		SHEET		DESIGN/DRWG NO.	
Southern California Edison Company				OF		1047695_0.01	

