

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

Snow valley Mountain Resort
Crestline CA

NON CAP

2 poles largest 45H1 2300CBX @ 6700FT

TP 1421951 TD 1421929

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

Non-compliance with established procedures may result in your removal from the mission

Note: By signing this document you acknowledge you understood all items briefed to you and that you are responsible for insuring all loose items are secured when working under a helicopter.

[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

SCE Aircraft Operations Flight Request Form

Instructions: Please complete this form in its entirety and email to: airops@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:*	Rey Ruiz
Department:*	Contract CC
Pax:*	
Cell Number:*	714-402-2328
Email Address:*	ruizr@proe.services

SAP Accounting Number*	multiple TDs listed below for 15 poles
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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):

TD1421951,1421929,1387752,1345517,1464880,1470505,1397384,1385960,1345517,
1465284,1456409 ALL WO MAPS INCLUDED

General Operating Location	Arrowhead Lake
District	40
LZ Coordinates (if known)	TBD
Pick-up location for passenger flights	TBD
Drop-off location for passenger flights	TBD

Date(s) for which service is requested	8-12-19 through 8-23-19
Time of Pick-up	8am
Approx. mission duration (if known)	6-8 hrs
Back-up date for mission (if known)	

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
67 D STREET
Fillmore CA. 93015
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER #: TD1421951 TD1421929
ADDRESS: GREEN VALLEY LAKE BLVD : CRESTLINE CA
LZ STAGING AREA LATITUDE 34°13'25.47"N LONGITUDE 117° 2'23.99"W
1600048E LATITUDE 34°13'17.89"N LONGITUDE 117° 3'3.33"W **45 CL 2 1800 LBS**
4917202E LATITUDE 34°13'14.62"N LONGITUDE 117° 4'39.12"W **45 H1 2300 LBS**
CONTRACTOR'S REY RUIZ PHONE#: 714-402-2328
CONTACT AT SITE: PROENERGY PHONE#: 909-518-5921
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: (2) ↓ 45 H1 45 CL 2 (2) ↑ 45 H1 45 CL 2 MAX 2300 LBS

CLASS OF LOAD: EXTL CL B

NO. OF LIFTS: 4 LONG LINE: _____ (NO) XXX (YES) LESS THEN 150 FT (LENGTH)

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

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-23-2019	SUNRISE	SUNSET	9-16-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
TWIN PEAK POLICE	909-336-0600	WATCH COMMANDER	NOTIFY
SANT BERNARDINO FIRE	909-338-0625	STATION	NOTIFY

Evacuation

☐ No Evacuated Structures
☒ Evacuated Structures

Crowd Control

☒ Operator
☒ Contractor

Street Closure

☒ Yes ☐ No
☒ Contractor
☐ Operator



SECTION 7

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

Operator: Guardian Helicopters, Inc
67 D Street
Fillmore, California 93015

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
3 BUILDINGS SOUTH OF PONDEROSA PINES CHRISTIAN CAMP	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

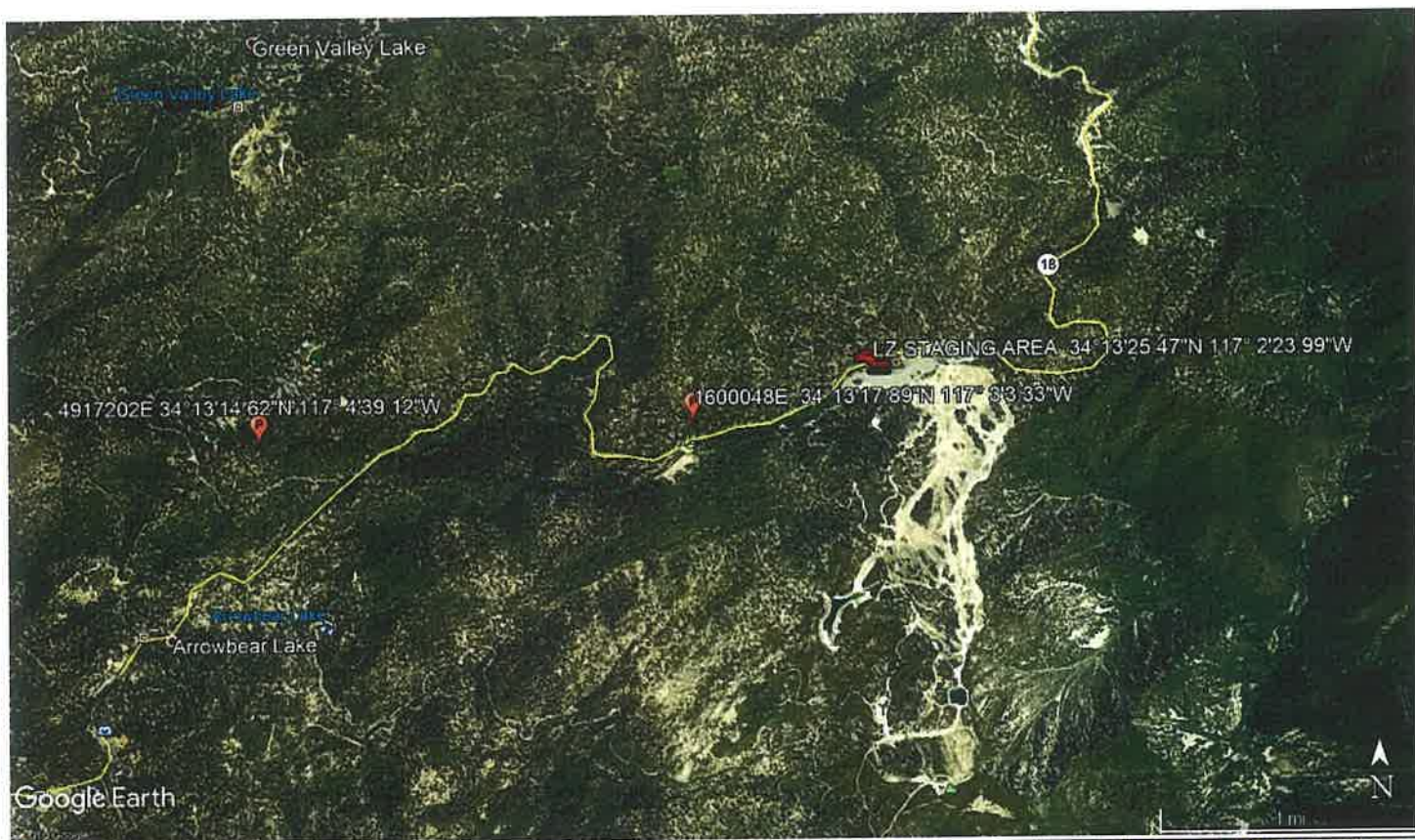
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE 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 LZ TO CONNECT THE LONGLINE AND CONDUCT A TAILBOARD SAFETY MEETING
2. FUELING WILL BE CONDUCTED AT THE LANDING ZONE
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. HIGHWAY 18 WILL EXPERIENCE INTERMITTENT CLOSURES
5. WATER TRUCK NOT REQUIRED
6. SEE DRAWING BELOW FOR LOCATIONS OF CLOSURES
7. 3 BUILDINGS / HOME WILL REQUIRE EVACUATIONS SOUTH OF PONDEROSA PINE CHRISTIAN CAMP
8. THE POLES WILL BE LIFTED FROM THE STAGING AREA
9. **THE CONTRACTOR WILL TRIM TREES IF REQUIRED**







Jeffrey M. Jentura

9-15-2019

DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE



Dear neighbor,

Guardian Helicopters Inc is a subcontractor of Southern California Edison (SCE). We will be working in your neighborhood to upgrade its electrical facilities to provide you a modern and reliable power grid. Your safety is our highest priority during this construction activity. We apologize for any inconvenience this may cause and will make every effort to minimize potential impacts during construction activities. Thank you for your patience as we complete these upgrades for you.

Upgrades in Your Area

We will be using a helicopter to set new utility pole.

What to Expect

- **Federal Aviation Administration regulations require we take certain precautions to ensure the safety of the public during our operation. To do this your residence must be completely vacated while the helicopter sets the new utility pole. At no time will our helicopter over fly any residence with a load attached.**
- **Highway 18 will be closed during operation**
- Guardian Helicopters primary concern during this operation is the general safety of the general public. We recommend measure to ensure the safety and control of any livestock during the period of helicopter operations.
- **Work Timeline***
- Date: 9-23-2019
- Hours: 8:00 a.m. – 6:00 p.m.

The timeframe for the evacuation is approximately 120 minutes once all residents have left.

A Guardian Helicopter Inc representative will make contact with you and/or any responsible persons at your residence with further instructions shortly before the aircraft operation is to take place. Please notify all family members, workers, or anyone who may be at your residence on this date of the evacuation. It is important to us that our activity presents as little inconvenience to you as possible.

Project Area

THE POLES WILL BE LIFTED FROM SNOW VALLEY MOUNTAIN RESORT AND FLOWN TOWARD GREEN VALLEY LAKE BLVD SOUTH OF PONDEROSA PINE CHRISTIAN CAMP

LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

67 D STREET FILLMORE CALIFORNIA 93015 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com



BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
3 BUILDINGS SOUTH OF PONDEROSA PINE CHRISTIAN CAMP	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN RED OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = VACANT	VACANT DURING OPS	HAND DELIVER



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Safety Tips

- Please close and secure back yard umbrellas and canopies
- Close all doors and windows to prevent dust from entering your home
- If possible ensure your animals are secure or clear of the area.

If you have any questions or concerns please feel free to give me a call. In addition I will be on site and can be reached on my cell phone.

Best regards,

Jeffrey M. Teubner

Flight Coordinator

818-442-9904 office

818-621-3794 cell

67 D STREET FILLMORE CALIFORNIA 93015 Phone (818) 442-9904 Fax (818) 442-9901

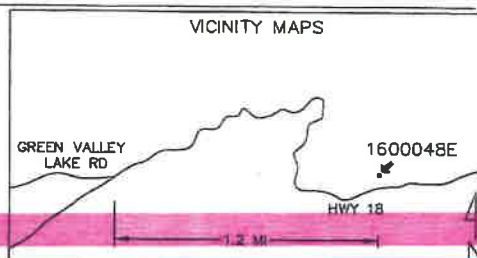
www.guardianhelicoptersusa.com

NOTES:

- NO TRUCK ACCESS
- BYM POSSIBLE FROM HWY 18
- SET HARD NORTH
- E-PTD
- OFFSET W/S PHASE TO CLEAR TREE
- 1600049E REPLACED ON TD 1383142
- RIGHTS CHECK (FEDERAL LAND)

TRANSFER:

- 3-1/OA-12
- 9/32" SPAN GUY
- PHONE



1 RM 1600048E
40' Class C5
RM: 1- POLE 40' CLASS 5 WOOD FULL TREAT
RM: 1- XA SNGL VB 10' STEEL PINS
RM: 3- INS GLASS/POLY 35KV & LESS

34° 13' 17.7" N,
117° 3' 3.4" W
ELEV: 6,685'

2 POLE 1600048E
45' Class C2
IN: 1- POLE 45' CLASS 2 WOOD FULL TREAT
IN: 1- XA SNGL TAN HD COMP 10' W/BKT
IN: 3- INS POLY POST W/PIN 12KV CLMP #4-336
IN: 1- MISC AMAN HOOD FOR HENDRIX INSUL #1-653
IN: 1- AG BLOCK & POLE KEY

SUP
Environmental Special Use Permit



PROPOSED



PROJECT REQUIREMENTS (Y/N)

- EDISON EASEMENT REQUIRED ☒
- PWRD REQ 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 (TLM) REQ'D ☒

BREAST BLOCK CALCS (SPAN GUY):

9/32" SG = 413 x 27' = 11,151 LBS
CLASS 3 PKRM = 47,500 LBS
45' C2 DFTB 6LB GRADE A = 29,265 LBS

DISTRICT 40 - ARROW-HEAD		PROJ. MGR. GALLARDO, ANTHONY PHONE		PLANNER DIVERSIFIED UTILITIES PHONE 661-325-3212		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO. 1622917	SERVICE REQUEST 2531296	MSR NO.	PRODUCT-1 1421929- DET POLE REPLACEMENT		ASSOC DESIGN		
CIRCUIT / VOLTAGE SNOW VALLEY 12kV		THOMAS GUIDE	PRODUCT-2		ASSOC DESIGN		
SUB / PG NO. % RUNNING SPRINGS 84		CIRCUIT CODE	PRODUCT-3		ASSOC DESIGN		
INVENTORY MAP 260-2286-2		J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) STR# 1600048E 1.2 MI E/O GREEN VALLEY LAKE RD 261' N/O HWY 18 ARROWBEAR LAKE, CA			
DATE 9/17/2018	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET 1052310_0.01		

28

- NOT
- TRUCK ACCESS
- SK YARD MACHINE POSSIBLE
- HARD NORTH EAST
- PD
- ATED IN CAMP PONDO
- IBAS
- HB-2.4
- DNE
- 32" SPAN GUY



5 RM 19271CIT
35' Class C5
RM: 1- POLE 35' CLASS 5 WOOD FULL TREAT
RM: 3- INS GLASS/POLY 3KV & LESS
RM: 1- 1A SING FB 8" STEEL PMS N/BOND

2.4 kV 376"

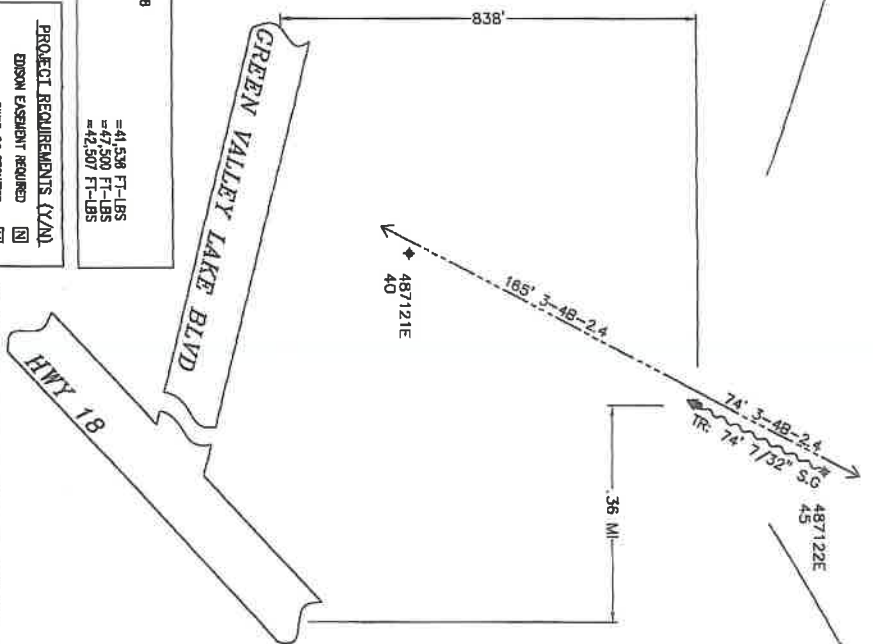
POINT LOAD
100-235-30.9.3K
PHONE 22"
PHONE 21"
L/NW
4917202E
PROPOSED

UNGUED DE CALG 19271CIT
7/32 36 = 1,806 x 23=41,538
TOTAL
CLASS 4 BIK
45 CHT GRADE A 64

=41,538 FT-LBS
=47,500 FT-LBS
=42,507 FT-LBS

PROJECT REQUIREMENTS (Y/N)	
EDISON ESSENTIAL REQUIRED	N
PMO 88 REQUIRED	N
US CIVL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
OUTAGE DATE:	TIME:
TRAFFIC CONTROL REQUIRED	N
FED. TRAFFIC CONTROL REQD	N
CONVEYANCE LETTER REQD	N
ENVIRONMENTAL CLEARANCE REQD	Y
CSD 140 (TIA) REQD	N

DISC: 2nd 04/04/08



POLE 4917202E 6
34' 13" 14.7" N.
117' 4" 39.1" W
ELEV: 6,495'
Class H1
IN: 1- POLE 45' CLASS H1 WOOD FULL TREAT
IN: 1- 1A SING TAN HD COMP 10' W/BKT
IN: 3- INS POLY POST W/PIN 12KV CLAMP #4-336
IN: 1- MISC AMAN HOOD FOR HENDRIX INSUL #4-653
IN: 1- AG BLOCK & POLE KEY

DISTRICT	40 - ARROWHEAD	PROJ. MGR. GALLARDO, ANTHONY	DESIGNER	PRANER DIVERSIFIED UTILITIES
PROJECT NO.	1922955	SERVICE REQUEST	MSK NO.	1421951- DET POLE REPLACEMENT
ORIGIN / VOL. / AGE	GREEN BEAR 2.4KV	THOMAS SLOVE	PRODUCT-2	ASSOC DESIGN
SUB / PG NO.	% GREEN BEAR P.T. A2	CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP	262-2277-1	L.P.A. NO.		
DATE	9/19/2018	APPROVED BY	CHECKED BY	DRAWN BY
				PAY #
				SHEET
				DESIGN/WRING NO.
				1052331_0.01

Southern California Edison Company

NOT TO SCALE

