

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: Crestline

10-18-2019

☐ 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

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

Pilot Rock C2

NON-CAP

(4) pole Composite 1500LBS

[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 ☐ IMSAFE Acronym 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



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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:*	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

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 #: TD1469832 TD1460790 TD1460796 TD1460947

ADDRESS: MILLER ROAD : CRESTLINE CA

LZ LATITUDE 34°16'19.78"N 117°16'58.53"W ELEV 3700 FT

1734586E LATITUDE 34°15'56.60"N LATITUDE 117°16'55.10"W 50 CL 1 COMPOSITE 1500 LBS

1734585E LATITUDE 34°15'54.40"N LATITUDE 117°16'55.30"W 50 CL 1 COMPOSITE 1500 LBS

1734584E LATITUDE 34°15'52.90"N LATITUDE 117°16'55.80"W 50 CL 1 COMPOSITE 1500 LBS

1734583E LATITUDE 34°15'50.97"N LATITUDE 117°16'57.43"W 50 CL 1 COMPOSITE 1 500 LBS

CONTACT AT SITE: PROENERGY PHONE#: 714-293-2538

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

IF SAFETY DICTATES AND OR THE CUSTOMER REQUESTS ADDITIONAL LIFTS THE LIFTS WILL BE CONDUCTED REMAINING WITHIN THE APPROVED TIME PARAMETERS.

TYPE OF LIFTS: (4) ↓ W50 CL 1 COMPOSITE 1500 LBS (4) ↑ W50 CL 1 COMPOSITE 1500 LBS CLASS

OF LOAD: EXTL CL B TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC

MAX 1600 LBS

NO. OF LIFTS: 8 LONG LINE: (NO) XXX (YES) LESS THEN 100 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
9-18-2019	SUNRISE	SUNSET	9-10-2019
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
NONE		
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.

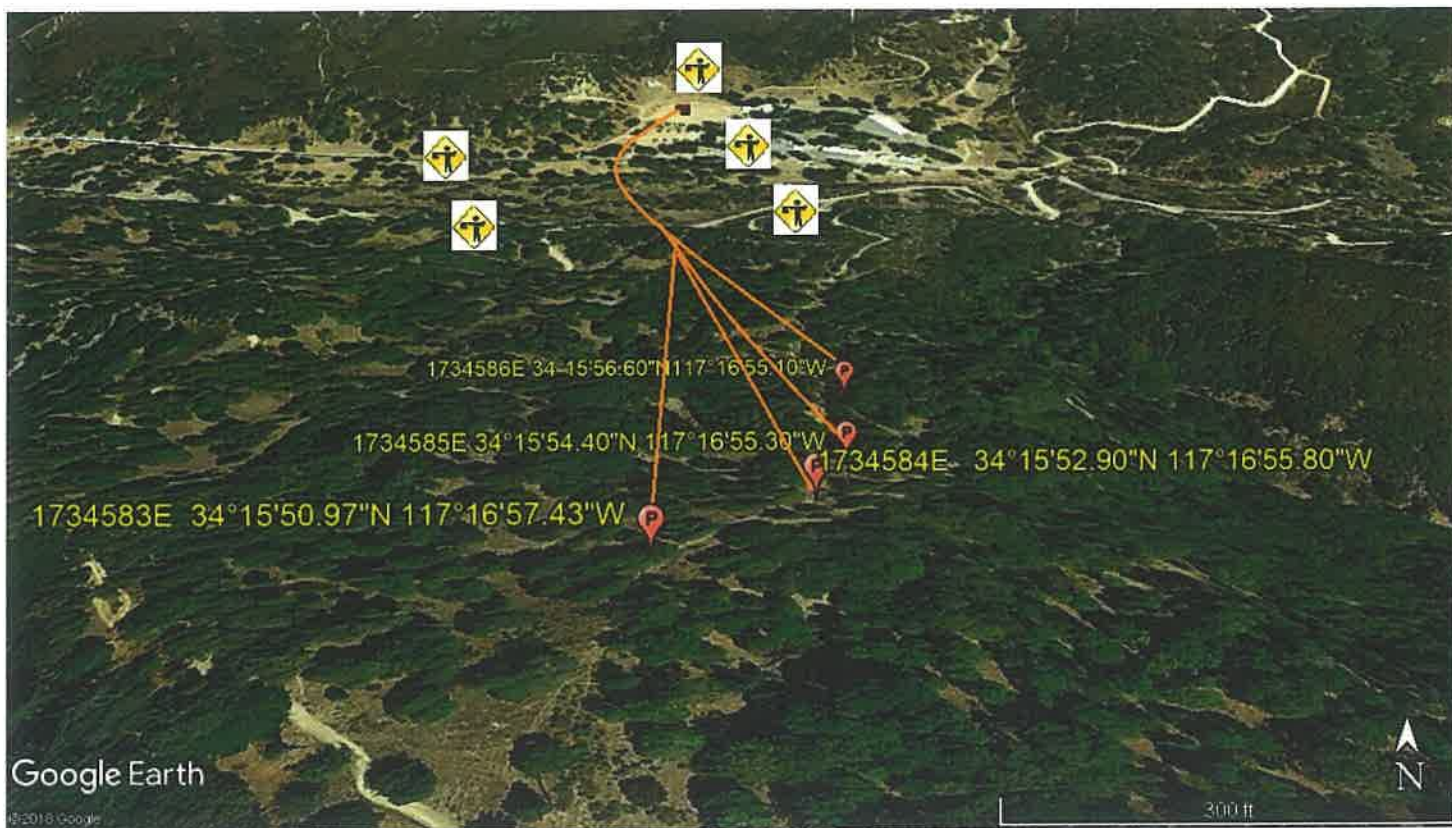
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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. THE POLES WILL BE STAGED AT THE LANDING ZONE .
2. FUELING WILL BE CONDUCTED AT THE LANDING ZONE
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. TAILBOARD SAFETY BRIEF CONDUCTED AT THE STAGING AREA PRIOR TO FLIGHT
5. FLAGMAN WILL NEED TO STOP TRAFFIC ON MILLER RD WHILE HELICOPTER IS CROSSING THE STREET. FLAGMAN AT THE STAGING AREA TO KEEP PEOPLE FROM COMING IN THE STAGING AREA.
6. SEE DRAWING BELOW FOR LOCATIONS OF CLOSURES
7. WATER TRUCK REQUIRED AT LANDING ZONE
8. HOMES/BUILDINGS WITHIN THE OPERATION AREA WILL BE VACANT
9. THE CONTRACTOR WILL TRIM TREES IF REQUIRED





10-14-2019

DATE OF SUBMISSION

Jeffrey M. J... ..

COMPANY OFFICIAL / TITLE

- NOTES:
- NO TRUCK ACCESS
 - SET 3' N/E
 - RIGHTS CHECK (FEDERAL LAND)
 - E-PTD

TRANSFER:
• 3-336A-33KV



33 kV 42'

L/N
1734583E
PROPOSED

34° 15' 51.40" N,
117° 16' 56.80" W
ELEV. 4,219'

2 POLE

50' Class C1
IN: 1- POLE 50' CLASS 1 RS COMP SEC POLE
IN: 1- XA SINGL TAN HD COMP 10' W/BKT
IN: 3- INS POLY W/PIN 33KV CLAMP #4-653 ACSF
IN: 1- MSC AVIAN HOOD FOR HENDRIX INSUL #4-653

1734583E

1 RM

1734583E

50' Class C4
RM: 1- POLE 50' CLASS 4 WOOD FULL TREAT
RM: 1- XA SINGL VB 8' STEEL PINS
RM: 3- INS GLASS/POLY 33KV & LESS
RM: 1- MSC AVIAN HOOD FOR HENDRIX INSUL #4-653



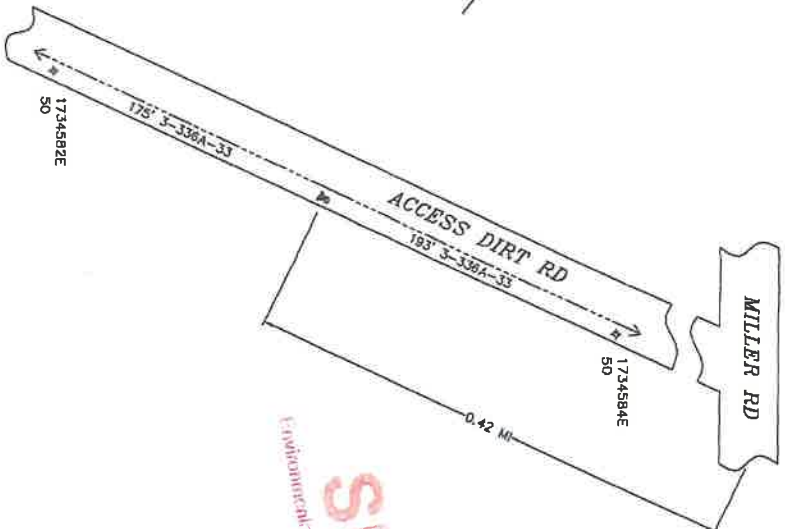
PROJECT REQUIREMENTS (Y/N)

EDISON ESSENTIAL REQUIRED	☐
PERM 88 REQUIRED	☐
UG CML ONLY WORK ORDER	☐
PERMIT REQUIRED	☒
PERMIT TYPE: FEDERAL LAND	
OUTAGE REQUIRED	☐
OUTAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	☐
PEL TRAFFIC CONTROL REQD	☐
CONVEYANCE LETTER REQD	☐
ENVIRONMENTAL CLEARANCE REQD	☐
CSD 140 (TIA) REQD	☐

DATE: 06/27/2019

DISTRICT 40 - ARROWHEAD		PROJ. MGR. GALLARDO, ANTHONY		PLANNER DIVERSE UTILITIES	
PROJECT NO. 1682982	SERVICE REQUEST 2589671	MSR NO.	PROJECT-1 1489832	PROJECT-2 1489832	PROJECT-3 1489832
CIRCUIT / VOLTAGE 33KV	THIRDS GUIDE	CIRCUIT CODE	PROJECT-2	PROJECT-3	PROJECT-4
SUB / PG NO.					
% ARROWHEAD A1					
INVENTORY MAP 27B-2217-1	U.P.A. NO.				
DATE 1/14/2019	APPROVED BY	CHECKED BY	DRAWN BY	P.K. #	SHEET
Southern California Edison Company			DESIGN/DATE NO. 1089723_0.01		

NOT TO SCALE

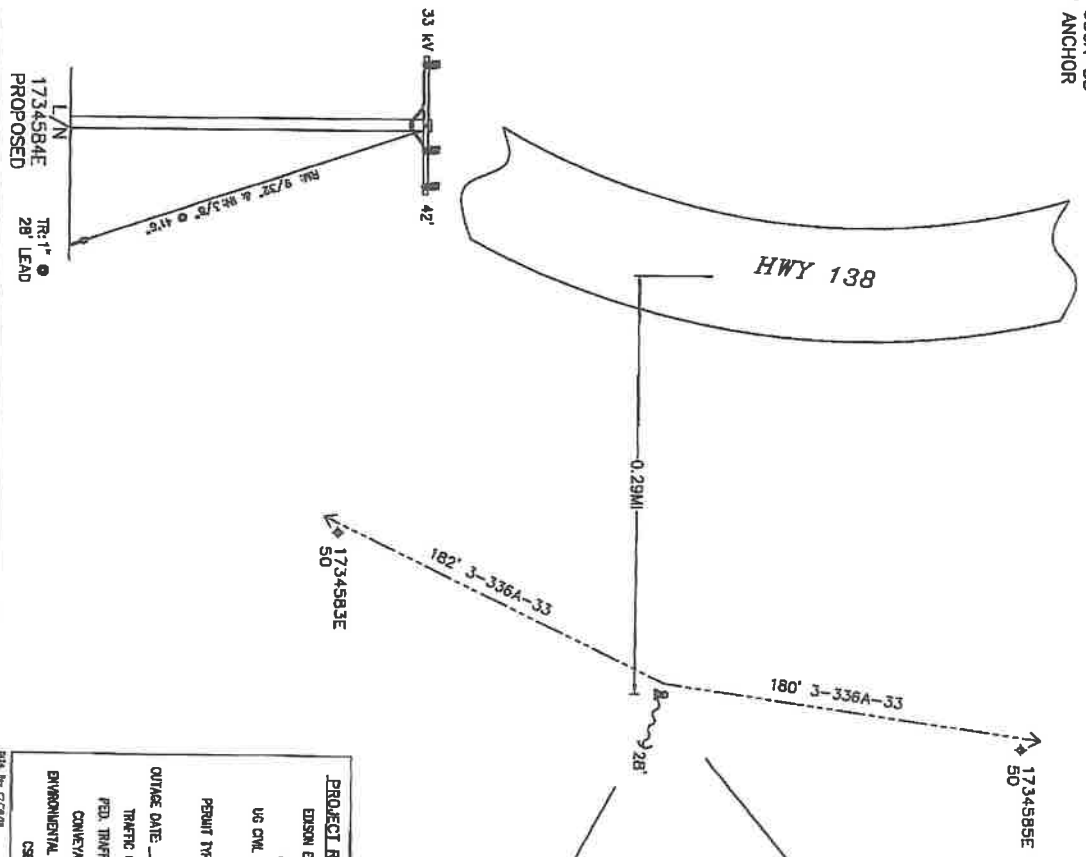


SUP
Environmentally Sensitive Area

- TRUCK ACCESS LIMITED STEEP HILL
- SET 1' NORTH
- BACKHOLE SET
- LINE ANGLE: 18°
- TIER 3
- RIGHTS CHECK



- ANSWER:
- 3-336A-33
- 1" ANCHOR



RM 1734584E 1
 50' Class C4
 RM: 1- POLE 50' CLASS 4 WOOD PUL TREAT
 RM: 1- YA DBLE V8 10' STEEL PINS
 RM: 6- INS GLASS/POLY 35KV & LESS
 RM: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV

34° 15' 52.9" N,
 117° 16' 55.8" W
 ELEV: 4,148'

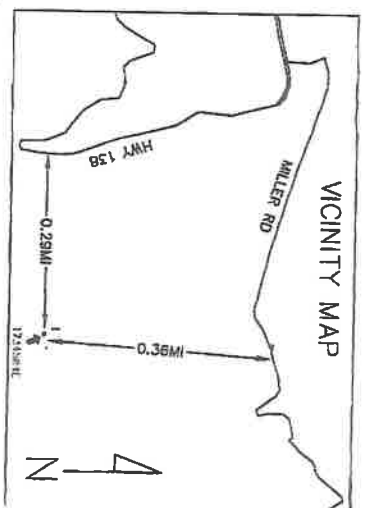
POLE 1734584E 2
 50' Class C1
 IN: 1- POLE 50' CLASS 1 RS COMP SEC POLE
 IN: 1- YA DBL HD DE COMP 10'
 IN: 3- INS POLY W/PIN 35KV CLAMP #4-653 ACSR
 IN: 6- INS POLY DE 35KV HOT SHOE 336 ACSR
 IN: 1- AG DOWN GUY 3/8" - 50' MORE THAN 22.5KV
 IN: 1- GUYING TEE

PROJECT REQUIREMENTS (Y/N)

EDISON EXEMPT REQUIRED	☒
PRD DB REQUIRED	☒
UG CIVL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
PERMIT TYPE: FEDERAL	☒
OUTAGE REQUIRED	☒
OUTAGE DATE: _____	TYPE: _____
TRAFFIC CONTROL REQUIRED	☒
PRD TRAFFIC CONTROL REQD	☒
CONVEYANCE LETTER REQD	☒
ENVIRONMENTAL CLEARANCE REQD	☒
CSO 140 (TUD) REQD	☒

NOT TO SCALE

DESIGNER	PROJECT NO.	PROJ. MGR.	TOLMASON, LAURA	MANAGER	DIVERSIFIED UTILITIES
40 - ARROWHEAD	1671422	PHONE	691-325-3212	DESIGNER	DIVERSIFIED UTILITIES
CONTRACT NO.	2578347	ISSR NO.	1460780-DET	ASSOC DES	ASSOC DES
CONTRACT NAME	TRUCKS GARD	PRODUCT-1	1460780-DET	ASSOC DES	ASSOC DES
SAMPLE 35KV	PRODUCT-2	PRODUCT-3	1460780-DET	ASSOC DES	ASSOC DES
2" ARROWHEAD A1	CIRCUIT CODE	PRODUCT-3	1460780-DET	ASSOC DES	ASSOC DES
PROPOSED CONSTRUCTION (LOCATION)	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
STR# 1734584E	12/14/2018	005-JF			
0.29MI W/O HWY 138 & 0.36MI S/O MILLER R					
CRESTLINE, CA					
SHEET	DESIGNING NO.				
1082638_0.01					



- TRANSFER:
• 3-336A-33



HWY 138

—0.2811

180' 3-336A-33

1734584E
501734586E
50

PROJECT REQUIREMENTS (Y/N)

PERSON CURRENTLY REQUIRED	N
PRISONER REQUIRED	N
US CIVIL ONLY WORK ORDER	N
PRISON REQUIRED	Y
PRISON TYPE: FEDERAL	
COURAGE REQUIRED	N
OUTRAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	N
FED. TRAFFIC CONTROL REQ'D	N
COMMUNIQUE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSB 140 (TUA) REQ'D	N

RM	1734585E
50'	Class C4
RM: 1-	POLE 50' CLASS 4 WOOD FULL TREAT
RM: 1-	XA SINGL VB 8' STEEL PINS
RM: 3-	INS GLASS/POLY 35KV & LESS

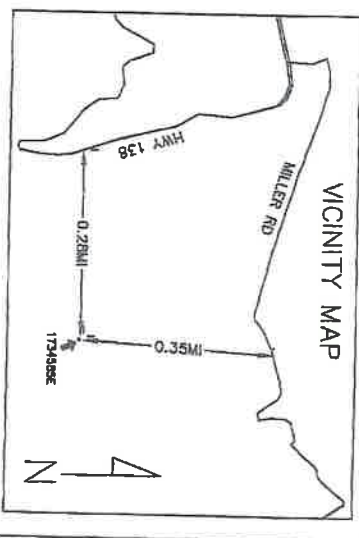
34° 15' 54.4" N,
117° 16' 55.3" W
ELEV: 4,087'

POLE

1734585F

2

50'	Class C1
IN: 1-	POLE 50' CLASS 1 RS COMP SEC POLE
IN: 1-	XA SINGL TAN HD COMP 10' W/BKT
IN: 3-	INS POLY W/PIN 33KV CLAP #4-653 ACSR
IN: 1-	MISC AVIAN HOOD FOR HENDRIX INSUL #4-653



SUP

Environmental Special Use Permit



NOT TO SCALE

[illegible]

L/N
1734585E
PROPOSED

Southern California Edison Company

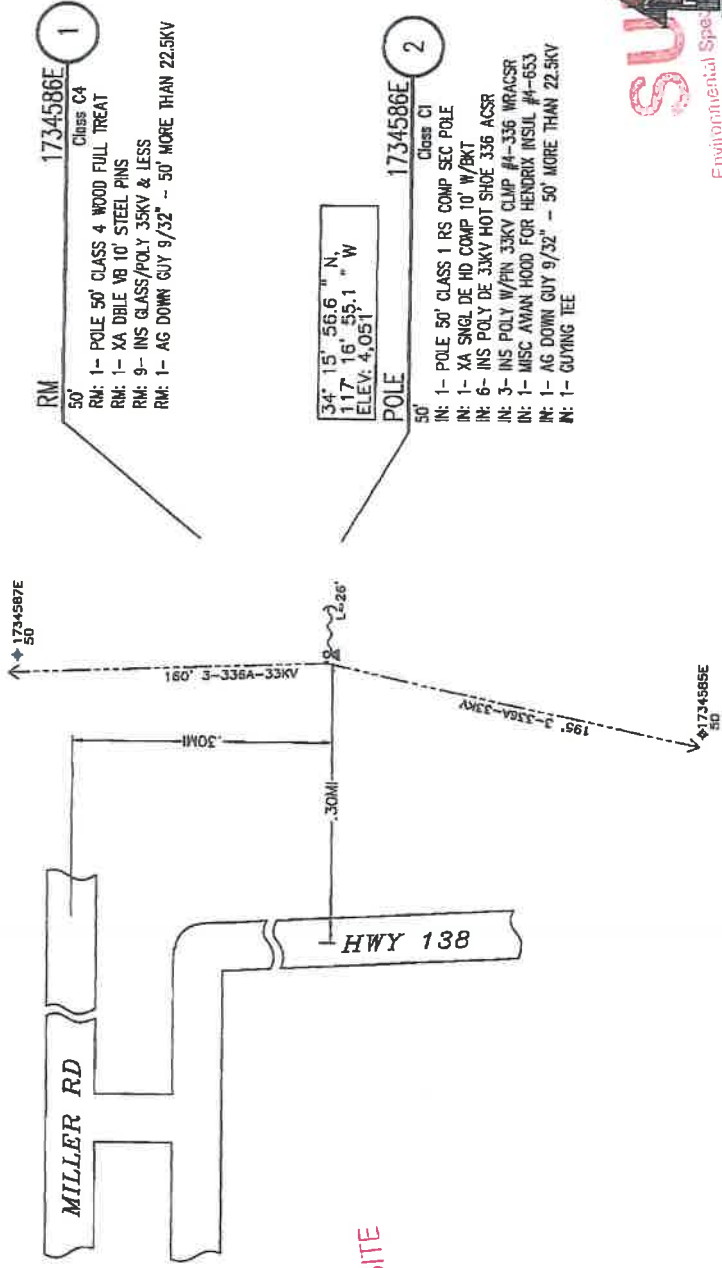
1,087643 0.01

- NOTES:
- TRUCK ACCESS LIMITED STEEP HILL
 - SET 1' NORTH
 - RIGHTS CHECK (FEDERAL LAND)
 - 12' LINE ANGLE
 - TIER 3

TRANSFORMER:
• 3-336A-33



SECTIONAL COMPOSITE



NOT TO SCALE

DISTRICT	40 - ARROWHEAD	PROJ. MGR.	THOMASOFF, LAURA M	PLANNER	DIVERSIFIED UTILITIES
PROJECT NO.	1871619	SERVICE REQUEST	2578543	USER NO.	1400947 - DET POLE REPLACEMENT
CIRCUIT / VOLTAGE	SAWPI-1 33KV	THOMAS GUIDE	PRODUCT-2	ASSOC DE	ASSOC DE
SUB / PG NO.	27B-2217-1	J.P.A. NO.	27B-2217-1	ASSOC DE	ASSOC DE
INVENTORY MAP	27B-2217-1	PROPOSED CONSTRUCTION (LOCATION)	STR# 1734586E	ASSOC DE	ASSOC DE
DATE	12/14/2018	APPROVED BY	CHECKED BY	DESIGNED BY	1082766_0.01
TYPE	DATE	APPROVED BY	CHECKED BY	DESIGNED BY	1082766_0.01

Southern California Edison Company

PROJECT REQUIREMENTS (Y/N)

EDISON ENGAGEMENT REQUIRED	[N]
PERMITS REQUIRED	[N]
US ONLY WORK ORDER	[N]
PERMIT REQUIRED	[Y]
PERMIT TYPE: FEED-LAND	[N]
OUTAGE DATE:	TUE
TRAFFIC CONTROL REQUIRED	[N]
PEL TRAFFIC CONTROL REQD	[N]
CONVEYANCE LETTER REQD	[N]
ENVIRONMENTAL CLEARANCE REQD	[Y]
CSD 140 (LUA) REQD	[N]

SECTIONAL COMPOSITE
POLE(S) INSTALLED
ON THIS WORK ORDER

