

HELICOPTER LIFT OPERATIONS SAFETY BRIEF CHECKLIST

PRIOR TO BEGINNING ANY HELICOPTER OPERATION A THOROUGH SAFETY BRIEF WILL BE CONDUCTED UTILIZING THE FOLLOW CHECKLIST: *Crestline / Pilot Rock 62*

- ☐ SAFETY BRIEF SIGN IN *11-13-2019*
- ☐ GHI CREW INTRODUCTION *Non-cap*
- ☐ IS A TRANSLATOR REQUIRED *(3) SoCLi composite*
- ☐ WORK STOP AUTHORITY *TD 1469843 TD 1469840 TD 1469832*
- ☐ 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

[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: ○ First aid/survival kit ○ Fire extinguisher ○ Fuel and battery shut off procedure ○ 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. ☐ In case of Non-Company ground crew: Rigging procedures must be briefed ☐ No cell phone/camera use during external loads ☐ Essential crew only
	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	

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 #: TD1469843 TD1469840 TD1469832

ADDRESS: MILLER ROAD : CRESTLINE CA

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

1734590E LATITUDE 34°16'3.42"N LONGITUDE 117°16'54.74"W W50 CL 1 COMPOSITE 1 500 LBS

1734589E LATITUDE 34°16'1.61"N LONGITUDE 117°16'55.13"W W50 CL 1 COMPOSITE 1 500 LBS

1734583E LATITUDE 34°15'50.97"N LONGITUDE 117°16'57.43" W50 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#: 3018828

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 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
11-13-2019	SUNRISE	SUNSET	11-8-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
TWIN PEAK POLICE	909-336-0600	WATCH COMMANDER	NOTIFY
SANT BERNARDINO FIRE	909-338-0625	STATION	NOTIFY

Evacuation

Crowd Control

Street Closure

☒ No Evacuated Structures

☒ Operator

☒ Yes ☐ No

☐ Evacuated Structures

☒ Contractor

☒ 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

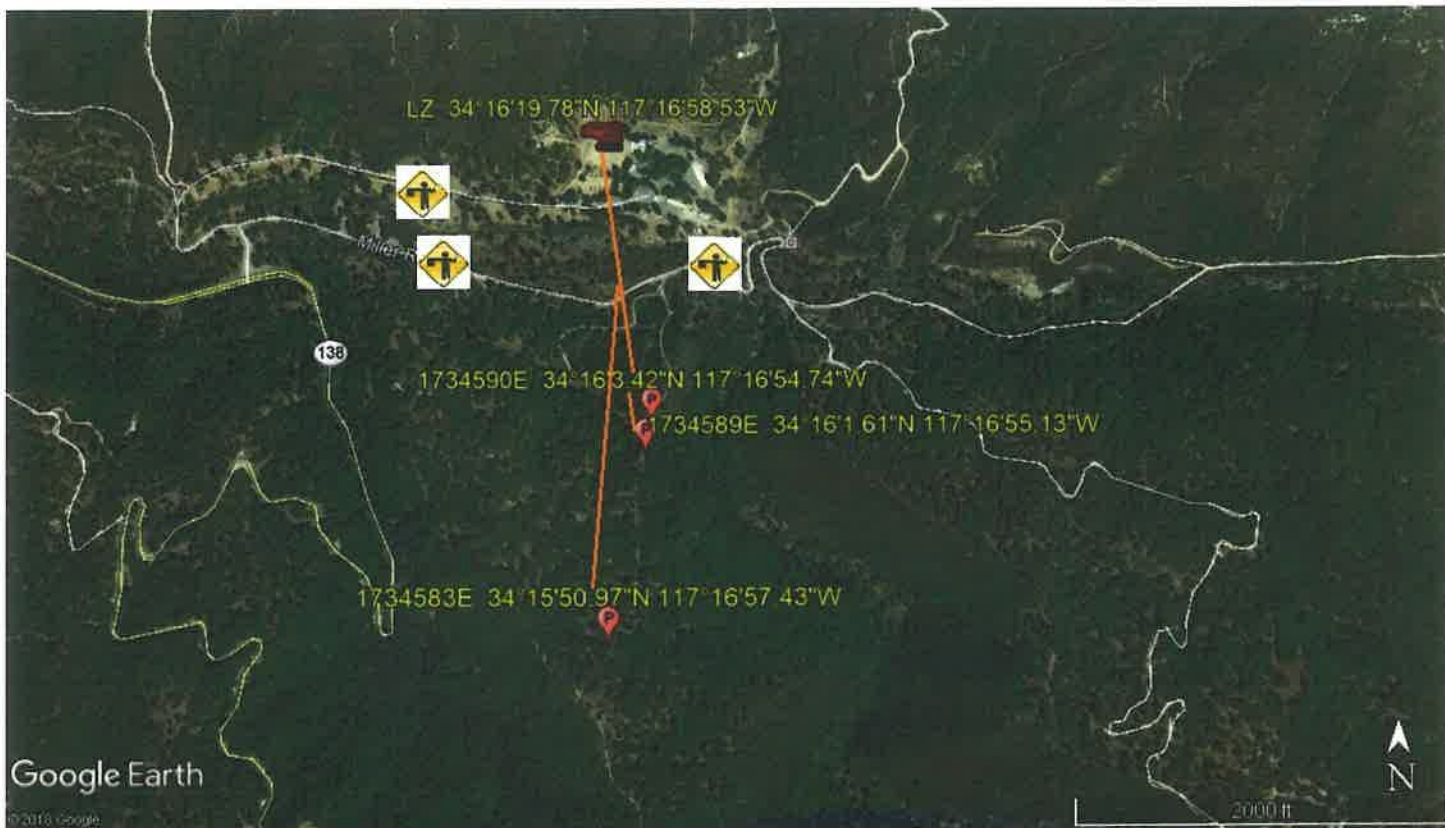
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE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

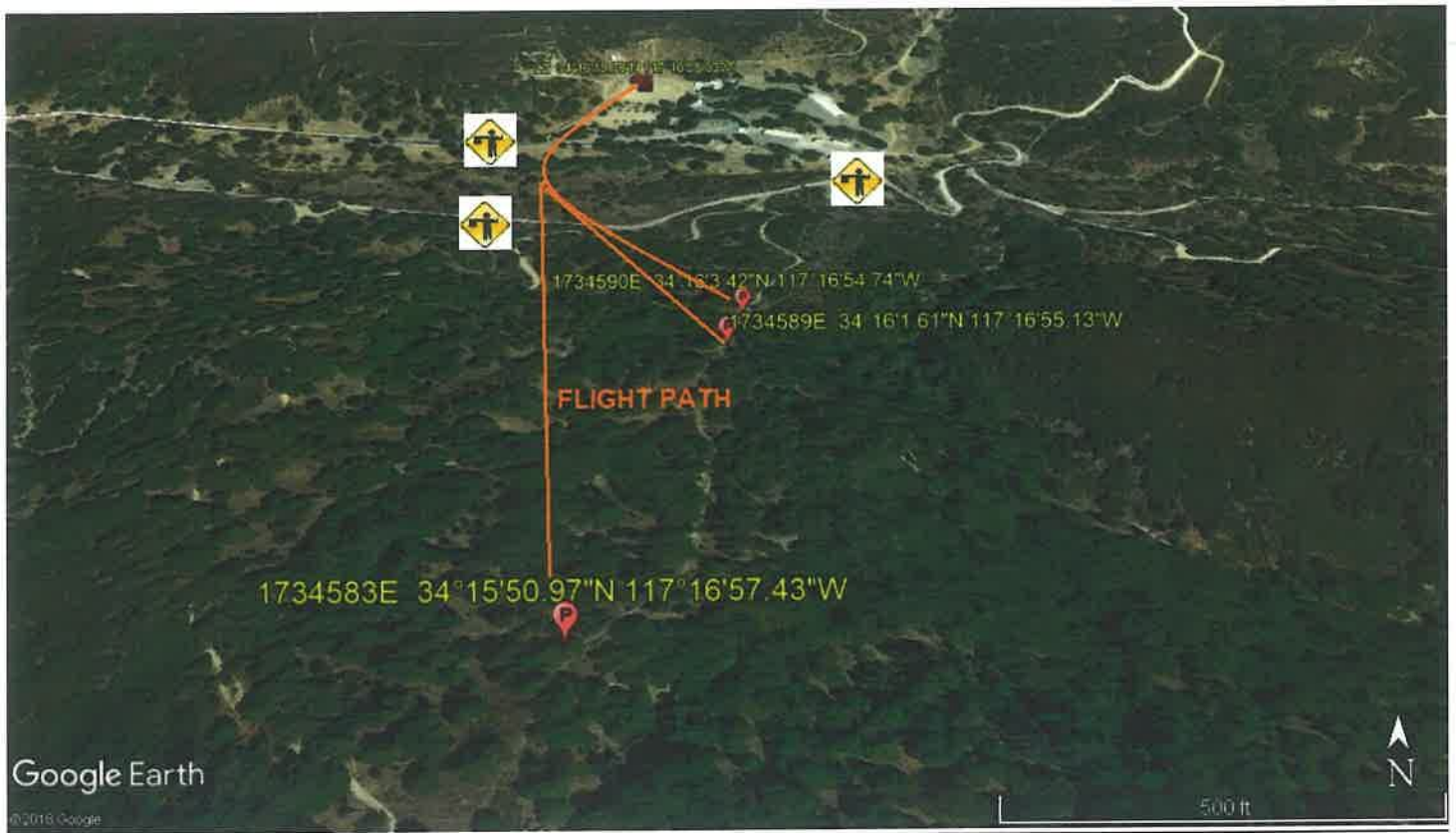
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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



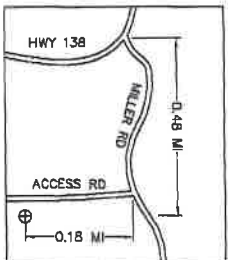
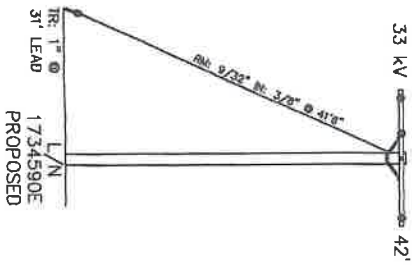


11-8-2019
DATE OF SUBMISSION

Jeffrey M. J...

COMPANY OFFICIAL / TITLE

- TRANSFER:
- 3-336A-33KV
 - 1" ANCHOR



0124: Date 02/09/12

PROJECT REQUIREMENTS (Y/N)	
ENSON EQUIPMENT REQUIRED	N
PIPED BY REQUIRED	N
UG C/PW. ONLY WORK ORDER	N
PERMIT REQUIRED	Y
REPORT TYPE	FEDERAL LAND
OUTAGE REQUIRED	N
OUTAGE DATE	N/A
TRAFFIC CONTROL REQUIRED	N
FED. TRAFFIC CONTROL REQ'D	N
CONCRETE/CE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSD 140 (TIA) REQ'D	N

DISTRICT	40 - ARROWHEAD	POL MGR CALLABRO, ANTHONY	PLANNER DIVERSIFIED UTILITIES	DESIGNER DIVERSIFIED UTILITIES
PROJECT NO.	1692399	SERVICE REQUEST	PHONE 661-325-3372	ASSOC DESIGNER
CIRCUIT / VOL / AMPS	2598687	MAR NO.	PRODUCT-1	ASSOC DESIG
SAMPLE	35kV	THOMAS GRIFF	145984-3 - DET POLE REPLACEMENT	ASSOC DESIG
SAFETY / PG NO.			PRODUCT-2	ASSOC DESIG
% ARROWHEAD AT		CIRCUIT CODE	PRODUCT-3	ASSOC DESIG
INVENTORY MAP	280-2217-1	J.P.A. NO.		
			PROPOSED CONSTRUCTION (LOCATION)	
			STR# 1734590E	
			0.18 MI S/O MILLER RD	
			CRESTLINE, CA	
DATE	1/16/2019	APPROVED BY	CHECKED BY	SHEET
			DRAWN BY	DESIGN/DWG NO.
			PAX #	1089733_0.01
Southern California Edison Company				

NOT TO SCALE



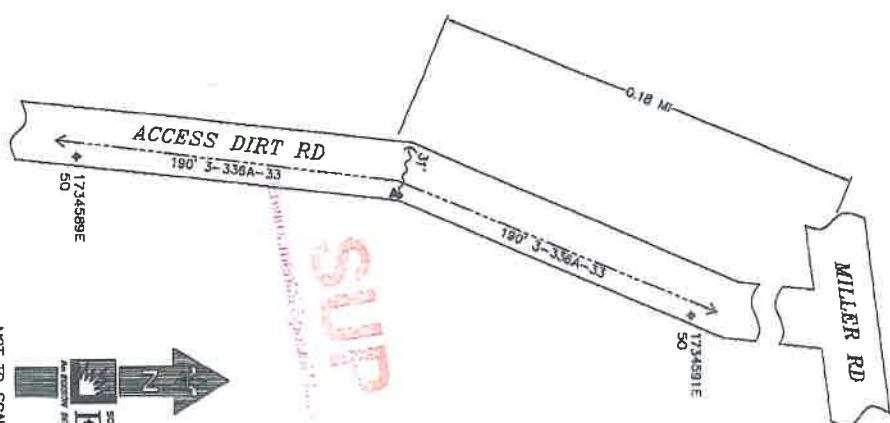
2

POLE

1734590E
Class C1

34° 16' 03.44" N,
117° 16' 54.86" W
ELEV: 3,888

	Class C1
50	1- POLE 50' CLASS 1 RS COMP SEC POLE
IN:	1- YA DEL HD DE COMP 10'
IN:	6- INS POLY DE 3/8XV HAT SHOE 336 ACGR
IN:	3- INS POLY W/PIN 3/8XV CLIP #4-653 ACGR (JUMPERES)
IN:	1- MISC AMIAN HOOD FOR HENDRIX INSUL #4-653
IN:	1- AC DOWN GUY 3/8" - 50' MORE THAN 22.5KV
IN:	1- OH GUNING TEE W/HARDWARE CLIP & WOOD



- NOTES:
- NO TRUCK ACCESS
 - SET 3' NORTH
 - 3" LINE ANGLE
 - RIGHTS CHECK REQ. (FEDERAL LAND)
 - E TO PTD
 - TIER 3
- TRANSFER:
- 3-336A-33



SECTIONAL COMPOSITE

1 RM 1734589E

50' Class C4

RM: 1- POLE 50' CLASS 4 WOOD FULL TREAT

RM: 1- 1A SING. W/ 10' STEEL PINS

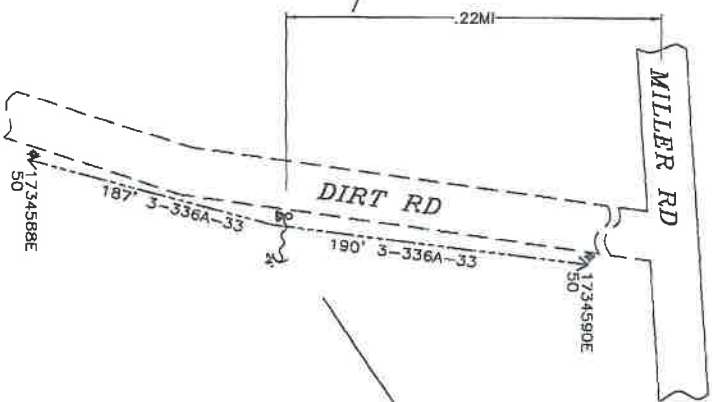
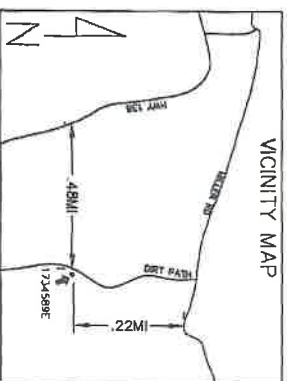
RM: 3- INS GLASS/POLY 33KV & LESS

RM: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV

RM: 1- AG ANCHOR ROD 3/4" X 8 2-EYE W/PLATE

33 kV 42'

RM: 3/4" L/S
IN: 1" 1734589E
24' LEAD PROPOSED



2 POLE 1734589E

50' Class C1

34' 16' 01.61" N,
117' 16' 55.13" W
ELEV. 3,932'

RM: 1- POLE 50' CLASS 1 RS COMP SEC POLE

RM: 1- 1A SING. TAN HD COMP 10' W/BKT

RM: 3- INS POLY W/ANGLE PIN 33KV CLAMP #4-653 ACSR

RM: 1- WSC A/VAN HOOD FOR HENDRIX INSUL #4-653

RM: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV

RM: 1- AG ANCHOR ROD 1" X 10' 3-EYE W/PLATE

RM: 1- GUYING TEE

SECTIONAL COMPOSITE
POLE(S) INSTALLED
ON THIS WORK ORDER

SUP

NOT TO SCALE



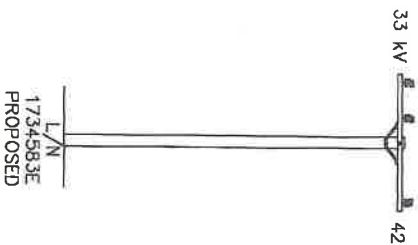
PROJECT REQUIREMENTS (Y/N)

DESIGN ELEMENT REQUIRED	
PERMITS REQUIRED	N
UT ONLY WORK ORDER	N
PERMIT REQUIRED	N
PERMIT TYPE: UST'S	N
OUTAGE REQUIRED	N
OUTAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	N
FED. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	N
CSO 140 (TIA) REQ'D	N

DISTRICT	40 - ARROWHEAD	PROJ. WORK	GALLARDO, ANTHONY	PLANNER	DIVERSIFIED UTILITIES
PROJECT NO.	1082995	SERVICE REQUEST	1459840	PHONE	861-325-3212
ISSUED / 33KV	1082995	ISSUED DATE	1459840	PRODUCT	2 - DET POLE REPLACEMENT
SUBMIT 50' W/ 10' V		CIRCUIT CODE	PRODUT-3		
2" ARROWHEAD A1		UP-A. NO.			
INTERIOR MAP 278-2217-1					
PROPOSED CONSTRUCTION (LOCATION)					
STR# 1734589E					
.22MI S/O MILLER RD .48MI E/O HWY 138					
ARROWHEAD, CA					
DESIGN/DATE NO.					
1089730					
0.01					

Southern California Edison Company

- TRANSFER:
● 3-336A-33KV



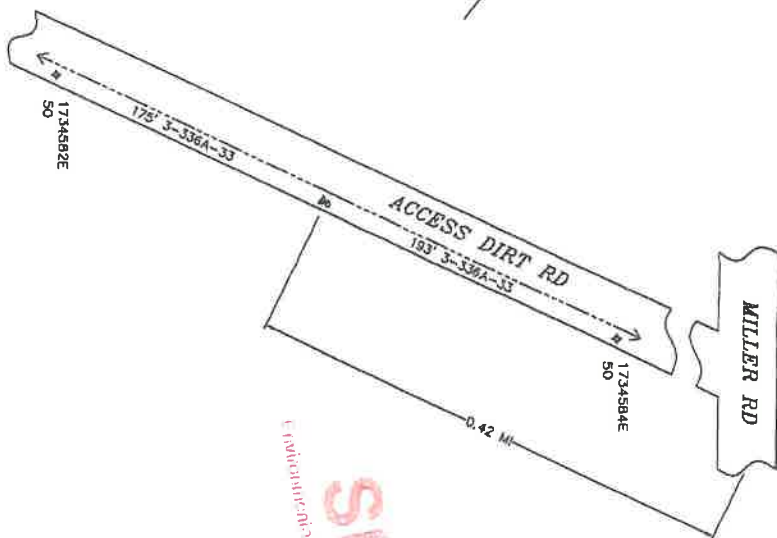
PROJECT REQUIREMENTS (Y/N)	
ELUSION EQUIPMENT REQUIRED	N
PAVED RS REQUIRED	N
UC CIVIL DRAIN WORK ORDER	N
PURBUNT REQUIRED	Y
PURBUNT TYPE	FEDERAL LAND
OUTLINE REQUIRED	N
DATE:	TIME:
TRAFFIC CONTROL REQUIRED	N
PED. PLACARD CONTROL REQ'D	N
CONVENIENCE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSD 400 (TUL) REQ'D	N

DISTRICT 40 - AIRROWHEAD		PRJ. MGR. CALLARD, ANTHONY		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO. 1682932		PHONE		DRAWN BY 1089723	
ISSUE REQUEST 20896671		MARK NO.		CHECKED BY 0.01	
CIRCUIT / VOLTAGE SAMPLE 33kV		THOMAS GULDE		DATE 1/14/2019	
SUN / PG. NO. % AIRROWHEAD A1		CIRCUIT CODE		APPROVED BY	
INVENTORY MAP 278-2217-1		J.P.A. NO.		DESIGN / DATE	
				SHEET	
				OF	
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NOT TO SCALE



Environmental Impact



POLE 1734583E

Class C1

50' 1- POLE 50' CLASS 1 RS COMP SEC POLE
IN: 1- YA SING. TAN HD COMP 10' W/BKT
IN: 3- INS POLY W/PIN 3KV CLAMP #4-653 ACGR
IN: 1- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653

14° 15' 51.40" N
117° 16' 56.80" W
ELEV. 4,219

POLE 1734583E
2
50' Class C1

2

50'

734583E
Class C1