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 — 7-29-2019 Bear Valley
- ☐ GHI CREW INTRODUCTION — Mountain Home Village, Angelus Oaks
- ☐ IS A TRANSLATOR REQUIRED — HEC only
- ☐ WORK STOP AUTHORITY — LZ
- ☐ DESIGNATE A 911 CALLER — NON-CAP
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION — TD 1054261 TD 1526224 TD 1360143 TD 1309989 TD 1294001 TD 1354944
- ☐ 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 Briefing Guide Updated: January 17, 2019

GUARDIAN HELICOPTERS, INC.

Tailboard & Helicopter Safety Briefing

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

Pilot:
Support Crew:
Location:
Mission:
Aircraft:

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.

DATE	PRINT NAME	SIGNATURE	COMPANY

Tailboard Briefing Guide **Updated: January 17, 2019**

AIRCRAFT

- ☐ 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

ENVIRONMENT

- ☐ 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

EXTERNAL LOAD

- ☐ 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

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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:*	JOHN WHARTON
Department:*	DIVERSIFIED UTILITY
Pax:*	00000
Cell Number:*	661 864-6051
Email Address:*	whartonj@dusi1.com

SAP Accounting Number*	TD1054261 TD1526224 TD1360143 TD1309989 TD1294001 TD1354944 BEAR VALLEY

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):
R&R 7 det poles , see attachment for heights / weights , need line crews and digging crew w/ equip , flown in to structures on day of work G.F. John Wharton for pre-con mtg

General Operating Location	s/s Valley o the falls dr 981' 1400' w/o canyon dr FOREST HOME
District	REDLANDS 31#
LZ Coordinates (if known)	N34 05 42.93 W116 55 02.41
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	JULY 29 2019
Time of Pick-up	0700
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	PAUL WILLIAMSON SCE PGS
Authorizer PAX and cell number	909 557-0086

**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_____

BEAR VALLEY 33KV FLIGHT POLES FOR JULY 29 2019

1. *2326370E 60' H-4 (wt: 4358 lbs) TD1054261*
2. *2326370E 60' H-4 (wt: 4358 lbs) TD1054261*
3. *4586259E 60' CL-1(wt: 2575 lbs) TD1526224*
4. *1609364E 45' CL-4(wt: 1078 lbs) TD1360143*
5. *824077E 60' H-6 (wt: 5305 lbs) TD1294001*
6. *4512350E 60' H-4 (wt: 4358 lbs) TD1309989*
7. *4930532E 50' CL-2(wt: 1652 lbs) TD1354944*

LZ: N34 05 42.93 W116 56 49.20
HEC needed for day of work for crews and 1 digging Crew

Contact John Wharton for pre-con mtg

John Wharton 661 864-6051 (General Foreman)
Eric Bartley 661 864-6623 (Lead foreman)

GUARDIAN HELICOPTERS, INC.

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 HEC POLES WORK ORDER NUMBER: TD1054261 TD1526224 TD 1360143 TD 1294001 TD 1309989 TD1354944
ADDRESS: HWY 38/VALLEY OF THE FALLS DR : ANGELUS OAKS CA
LZ STAGING AREA LATITUDE 34° 5'40.21"N LONGITUDE 116°56'49.33"W
1609364E LATITUDE 34° 4'49.95"N LONGITUDE 116°53'31.82"W
4512350E LATITUDE 34° 5'34.22"N LONGITUDE 116°56'56.27"W
824077E LATITUDE 34° 5'40.70"N LONGITUDE 116°58'22.46"W
2326370E LATITUDE 34° 6'6.97"N LONGITUDE 117° 0'52.13"W
2326369E LATITUDE 34° 6'7.90"N LONGITUDE 117° 0'56.20"W
2326360E LATITUDE 34° 5'43.00"N LONGITUDE 117° 1'54.60"W
SEE LIST BELOW
CONTRACTOR'S NAME: DIVERSIFIED JOHN WHARTON PHONE#: 661-864-6051
CONTACT AT SITE; DIVERSIFIED UTILITY SERVICE PHONE #: 661-864-6051
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 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: HEC POSSIBLE LIGHT TOOLS AND EQUIPMENT
MAX SINGLE – LIFT WEIGHT: TBD LBS CLASS OF LOAD: EXTERNAL CL B
LONG LINE: (NO) XXX (YES) LESS THEN 150 FT (LENGTH)
OPERATIONAL ALTITUDE: < 250 STREET CLOSING: XX (N0) (YES)
DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
7-29-2019	SUNRISE	SUNSET	7-25-2019

AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
YUCAIPA POLICE DEPARTMENT	909-918-2305	WATCH COMMANDER	NOTIFY
ANGELUS OAKS FIRE DEPARTMENT	909-794-3227	WATCH COMMANDER	NOTIFY

NON- Congested Area Plan (Continued)

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

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

GUARDIAN HELICOPTERS, INC.

NONE- Congested Area Plan (Continued)

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

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 HEC TRAINING AND TAILBOARD SAFETY MEETING WILL BE HELD AT A PRE-DESIGNATED AREA PRIOR TO DAILY HELICOPTER OPERATIONS

1. HELICOPTER WILL LAND IN THE STAGING / FUEL AREA AT COUNTY YARD OFF OF HWY 38 AND VALLEY OF THE FALLS DR
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 BUILDINGS ARE IN THE OPERATING AREA.
5. PROVIDE A WATER TRUCK AT THE LANDING ZONES
6. DRIVE INTO YARD WILL BE SECURED FLAGMAN NOT REQUIRED
7. EQUIPMENT WILL BE STAGED AT THE LANDING ZONE
8. STREET CLOSURE WILL BE AS DEPICTED IN DIAGRAM BELOW
9. THE POLES WILL BE STAGED AT THE STAGING AREA
10. TREES WILL BE TRIMMED AS NEEDED PRIOR TO BEGINNING OPERATIONS

Jeffrey M. Fenton

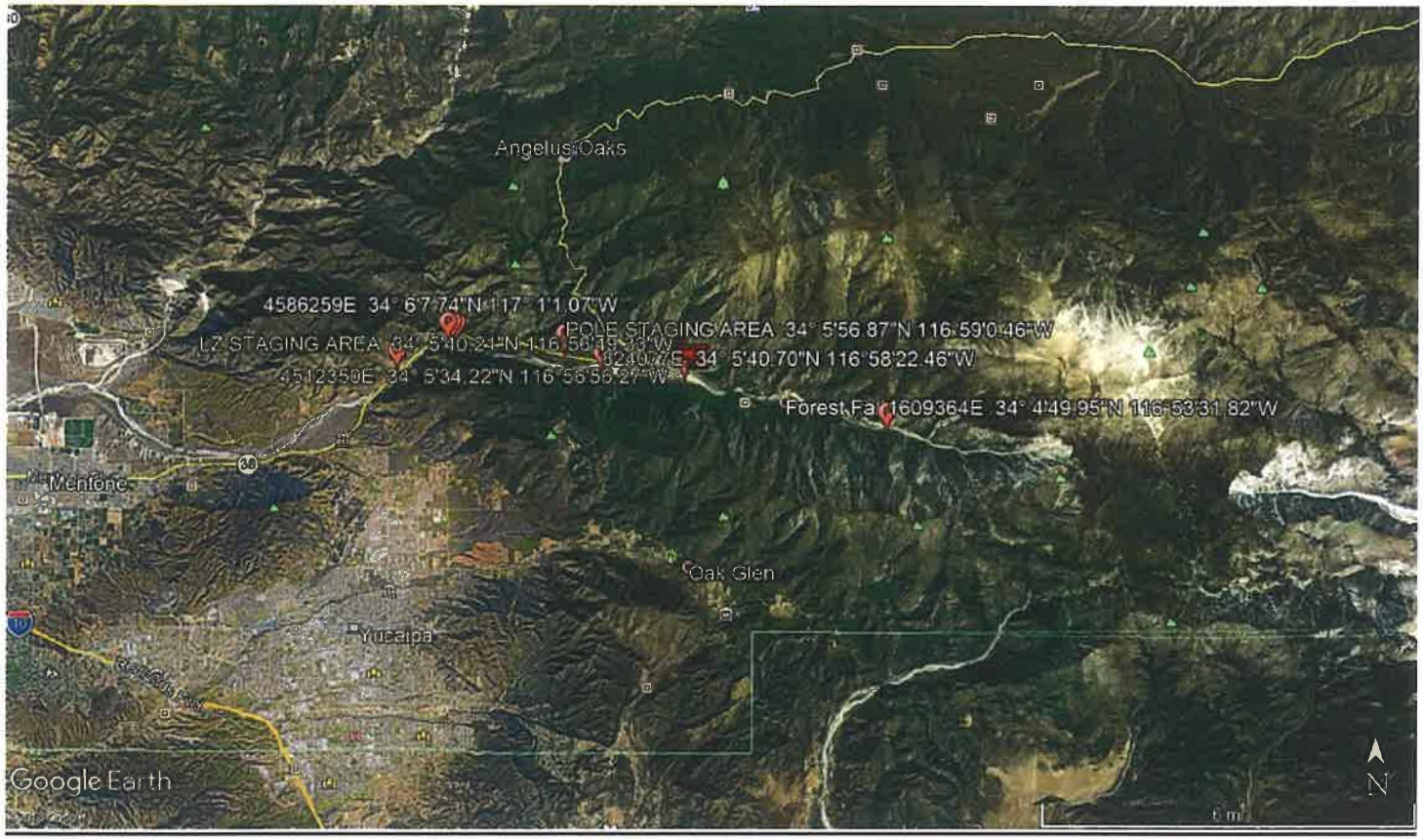
7-25-2019
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE

GUARDIAN HELICOPTERS, INC.

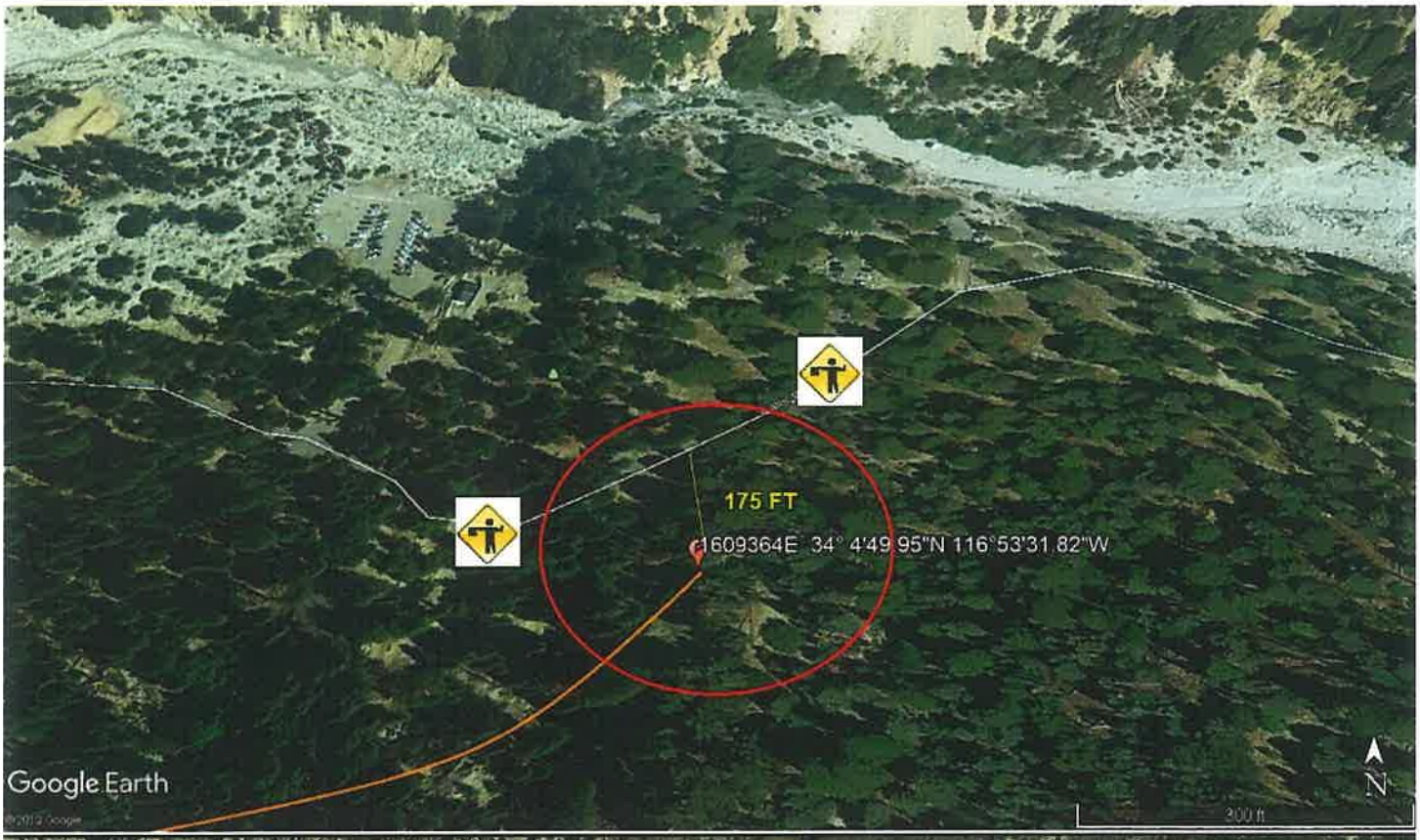
Part 135 GH 4A Part 133 GH 4L

OPERATIONS AREA DIAGRAM



LZ STAGING AREA 34° 5'40.21"N 116°56'49.33"W
WATER
FLIGHT PATH
FLIGHT PATH
Google Earth
N

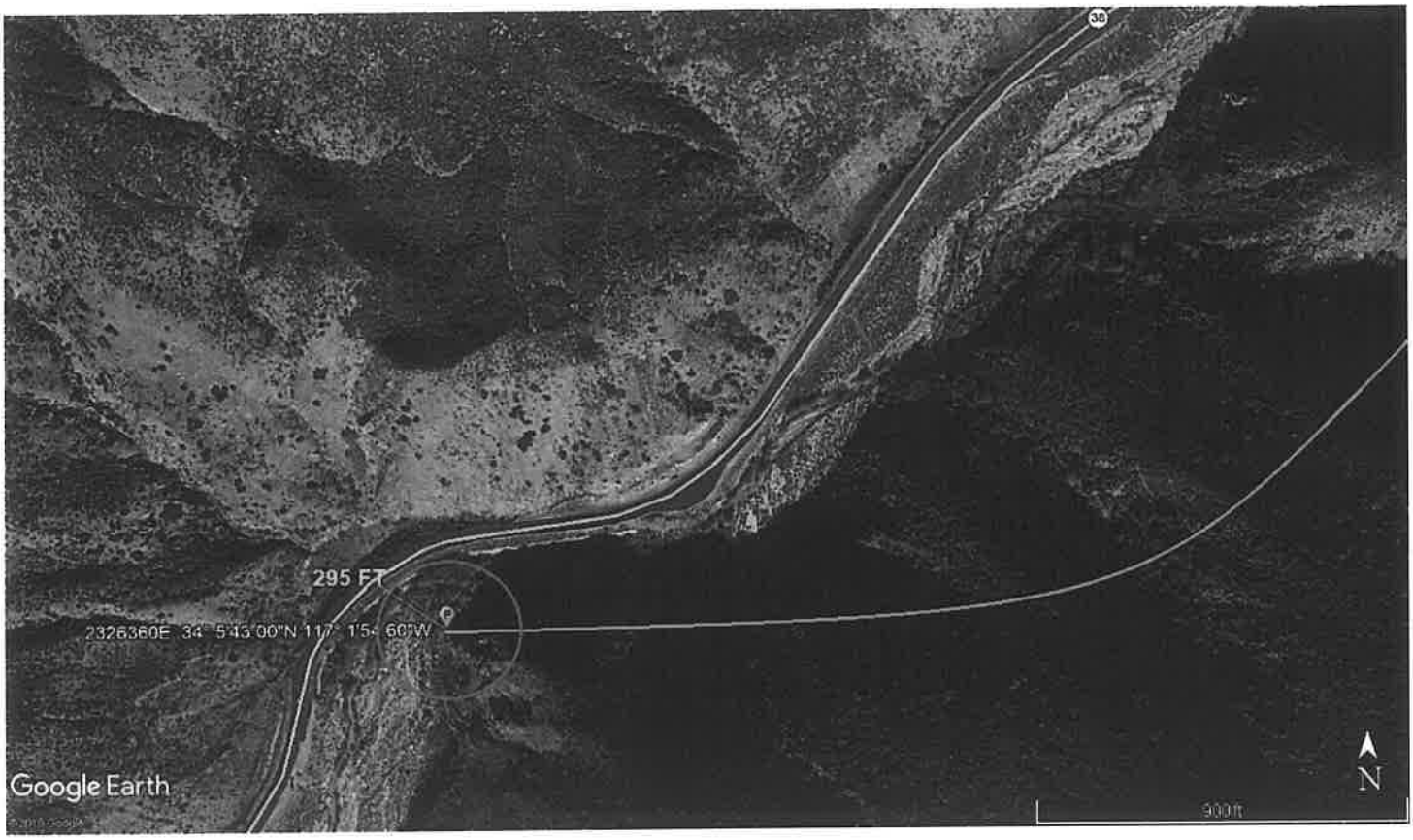
Forest Falls
FLIGHT PATH
1609364E 34° 4'49.95"N 116°53'31.82"W
Google Earth
N


175 FT
1609364E 34° 4'49.95"N 116°53'31.82"W
Google Earth
200 ft
N

1Z STAGING AREA 34° 5'40.21"N 116°56'49.33"W
4512350E 34° 5'34.22"N 116°56'56.27"W
Google Earth
1000 ft
N

824077E 34° 5'40.70"N 116°58'22.46"W
FLIGHT PATH
CROSS ROADS
WHEN CLEAR
Google Earth
3000 ft
N

4586259E 34° 6'7.74"N 117° 1'1.07"W
2326370E 34° 6'6.97"N 117° 0'52.13"W
2326369E 34° 6'7.99"N 117° 0'56.20"W
FLIGHT PATH
CROSS ROADS
WHEN CLEAR
Google Earth
700 ft
N



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. Jeutma

SPECIAL U.S. PERMIT
S.C.E. CO. DOC# 112075
NO PHYSICAL CHANGES ARE TO BE MADE ON THESE FACILITIES WITHOUT PRIOR GOVERNMENT OR MANAGEMENT APPROVAL
DWG 532985

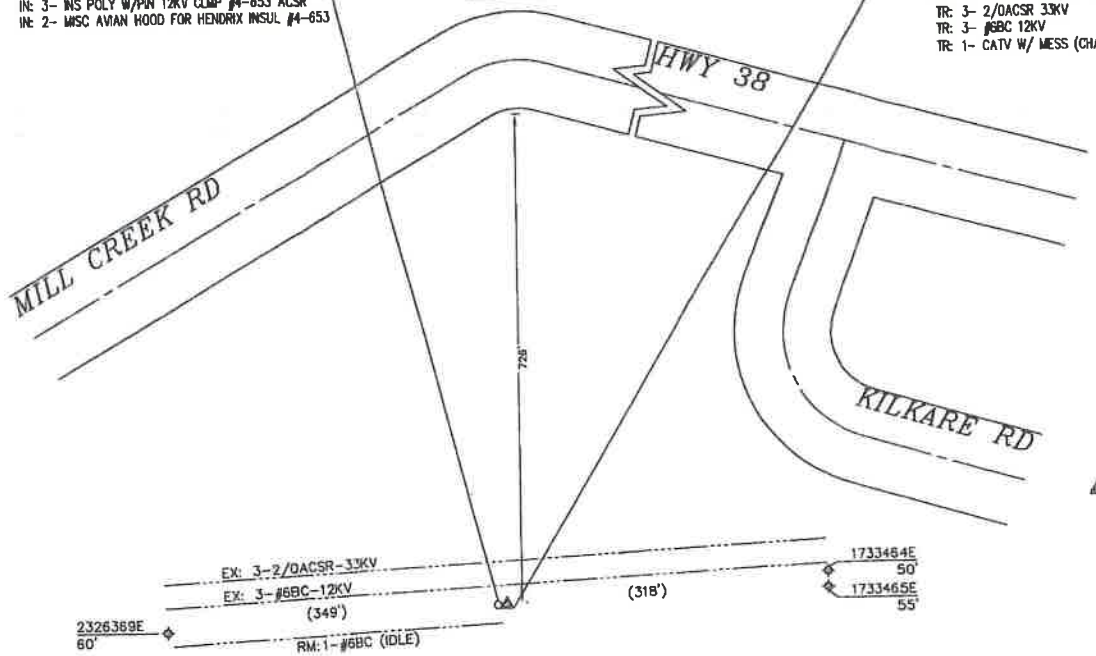
GPS: N34° 06' 07.8"
W117° 00' 52.2"

4 POLE 2326370E
Class H4
60'
IN: 1- POLE 60' CLASS H4 WOOD FULL TREAT
IN: 1- XA SNGL VB 10' STEEL PINS
IN: 1- XA SNGL FB 10' STEEL PINS
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 3- INS POLY W/PIN 12KV CLMP #4-653 ACSR
IN: 2- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653

WT: 4358 lbs

RM 2326370E 3
Class C2
60'
RM: 1- POLE 60' CLASS 2 WOOD FULL TREAT
RM: 2- XA DBLE VB 10' STEEL PINS
RM: 6- INS GLASS & PIN 33KV CLMP #4-336 ACSR
RM: 6- INS GLASS & PIN 12KV
RM: 1- SEC ROLLER (166-CLEVIS & SPOOL)
TR: 3- 2/0ACSR 33KV
TR: 3- #6BC 12KV
TR: 1- CATV W/ MESS (CHARTER)(SCE-TN)

2326 370E
TD 105V241



NOT TO SCALE

VICINITY MAP

NOT TO SCALE

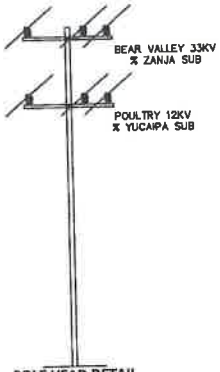
NOTE:

- HARD SET WEST
- E ALL POLE
- NO TRAFFIC CONTROL
- NO PTC
- COUNTY PERMIT REQ
- HELICOPTER SET REQ.
- ENVIRONMENTAL POLE
- BULLETIN 322 AREA
- IDLE #6 COPPER LINE WAS REMOVED ON STATIONS 1 & 2

REQUIRED PERMITS:
-COUNTY PERMIT REQ.

ENVIRONMENTAL SCREENING REQUIRED?	
YES X	NO ____

D121, Rev 03/20/15



POLE HEAD DETAIL
NOT TO SCALE
L/NE

NOTES:

HAND SET: NO
JOINT MEET: NO
TRUCK ACCESS: NO
CONTACT CATV: NO
PAVEMENT REPAIR: NO
JOINT ANCHOR: NO
ENVIRONMENTAL/ REAL PROP. REVIEW: YES

If changes to JPA are req'd i.e., Cut vs. PTD, or location change *contact Joint Utility prior to construction

UTILITY: _____
ENGINEER: _____
PHONE: _____
DATE: _____
INSPECTED BY: _____
DATE INSPECTED: _____ STA: 3 & 4

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

DISTRICT	PROJ. MGR.	PLANNER	DESIGNER
31 - REDLANDS	RODRIGUEZ, JOHN PHONE 909-469-0219	SMITH, GERAD PHONE 909-982-9450	PAR ELECTRIC

PROJECT NO.	SERVICE REQUEST	MSR NO.	PRODUCT-1	ASSOC DI
1141121	2061499		1054261-INFRASTRUCTURE REPLACEMENT PLP	744005.
CIRCUIT / VOLTAGE: BEAR VALLEY 33KV/POULTRY 12KV		THOMAS GUIDE: 4950-D7	PRODUCT-2	ASSOC D
SUB / PG NO.: ZANJA SUB/ YUCAIPA SUB		CIRCUIT CODE	PRODUCT-3	ASSOC D
INVENTORY MAP: 220-2298-2		J.P.A. NO.		

PROPOSED CONSTRUCTION (LOCATION)
DETERIORATED POLE REPLACEMENT
1300' N/O & 1900' W/O C/L SEC 8 T1S R1'
REDLANDS, CA

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
	09.16.15			PAR/BMC	

Southern California Edison Company

SHEET 2 OF 2

DESIGN\DRWG NO. 744005_0.01

GPS: N34° 06' 07.9"
W117° 00' 56.2"

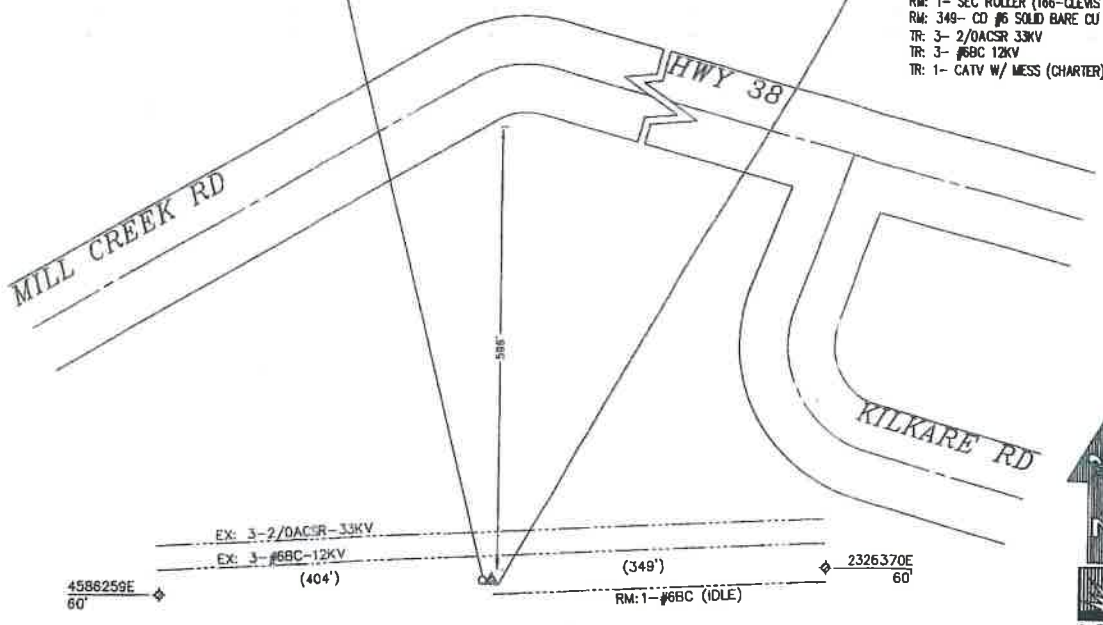
WT: 4358lbs

(2) POLE 2326369E
60' Class H4
IN: 1- POLE 60' CLASS H4 WOOD FULL TREAT
IN: 1- XA SNGL VB 10' STEEL PINS
IN: 1- XA SNGL FB 10' STEEL PINS
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 3- INS POLY W/PIN 12KV CLMP #4-653 ACSR
IN: 2- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653

SPECIAL U.S. PERMIT
S.C.E. CO. DOC# 112075
NO PHYSICAL CHANGES ARE TO BE MADE ON THESE FACILITIES WITHOUT PRIOR GOVERNMENT OR MANAGEMENT APPROVAL
DWG 532985

RM 2326369E (1)
60' Class C2
RM: 1- POLE 60' CLASS 2 WOOD FULL TREAT
RM: 2- XA DBLE VB 10' STEEL PINS
RM: 6- INS GLASS & PIN 33KV CLMP #4-336 ACSR
RM: 6- INS GLASS & PIN 12KV
RM: 1- SEC ROLLER (166-CLEVIS & SPOOL)
RM: 349- CD #6 SOLID BARE CU
TR: 3- 2/0ACSR 33KV
TR: 3- #6BC 12KV
TR: 1- CATV W/ MESS (CHARTER)(SCE-TN)

2326369E
TM054261



NOT TO SCALE

SOUTHERN CALIFORNI
EDISON
An EDISON INTERNATIONAL Compon

VICINITY MAP

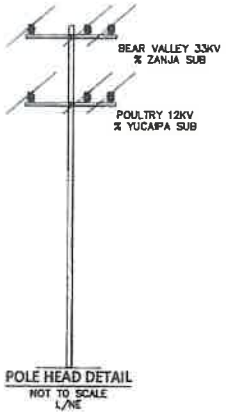
NOT TO SCALE

NOTE:

- HARD SET WEST
- E ALL POLE
- NO TRAFFIC CONTROL
- NO PTC
- HELICOPTER SET REQ.
- ENVIRONMENTAL POLE
- BULLETIN 322 AREA
- CREW TO REMOVE IDLE #6 COPPER LINE

ENVIRONMENTAL SCREENING REQUIRED?	
YES X	NO____

REQUIRED PERMITS:
- COUNTY PERMIT REQ.



POLE HEAD DETAIL
NOT TO SCALE
L/NE

NOTES:

HAND SET: NO
JOINT MEET: NO
TRUCK ACCESS: NO
CONTACT CATV: NO
PAVEMENT REPAIR: NO
JOINT ANCHOR: NO
ENVIRONMENTAL /

If changes to JPA are req'd i.e., Cut vs. PTD, or location change *contact Joint Utility prior to construction

UTILITY: _____
ENGINEER: _____
PHONE: _____
DATE: _____
INSPECTED BY: _____

DISTRICT	PROJ. MGR.	PLANNER	DESIGNER
31 – REDLANDS	RODRIGUEZ, JOHN PHONE 909-469-0219	SMITH, GERAD PHONE 909-982-9450	PAR ELECTRIC

PROJECT NO.	SERVICE REQUEST	MSR NO.	PRODUCT-1	ASSOC DES
1141121	2061499		1054261-INFRASTRUCTURE REPLACEMENT PLP	744005_0
CIRCUIT / VOLTAGE		THOMAS GUIDE	PRODUCT-2	ASSOC DES
BEAR VALLEY 33KV/POULTRY 12KV		4950-D7		
SUB / PG NO.		CIRCUIT CODE	PRODUCT-3	ASSOC DES
ZANJA SUB/ YUCAIPA SUB				

INVENTORY MAP 220-2298-2 J.P.A. NO.

PROPOSED CONSTRUCTION (LOCATION)
DETERIORATED POLE REPLACEMENT
1250' N/O & 2270' W/O C/L SEC 8 T1S R1W
REDLANDS, CA

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
	09.16.15			PAR/BMC	

SHEET | DESIGN\DRWG NO.

Air ops

* NOTES: RENTER: CHARTER
CONTACT CATV
ENVIRO POLE - OPEN & WEEDY AREA
BULLETIN 322 AREA
HAND SET
RIGHTS CHECK REQ'D - REAL PROP. REVIEW
PERMIT REQ'D - GOVT LAND
SET 1' EAST
MATERIALS RELATED TO RE-CONDUCTOR ORDERED ON ASSOCIATED
OCP TD1507026

HFIA 11.30.22

TIER: 3

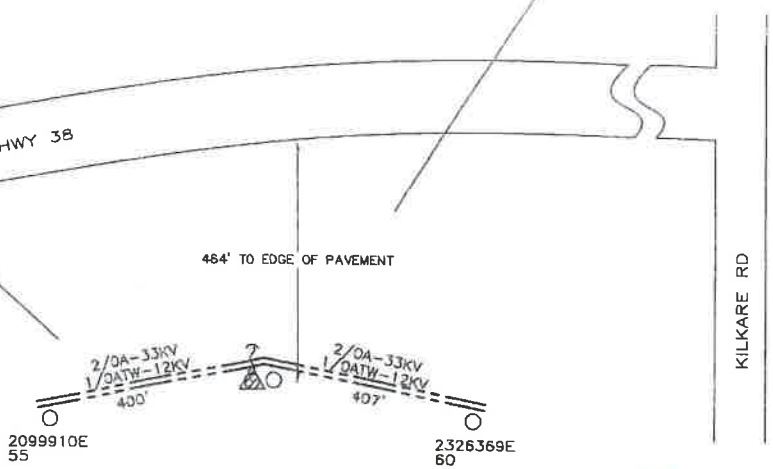
COMPOSITE

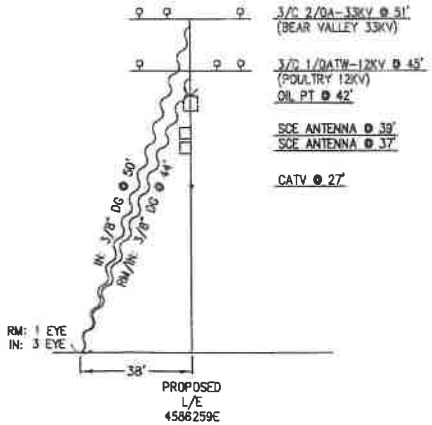
N 34° 06' 07.74"
W 117° 01' 01.07"
ELEVATION: 3'360'

POLE 4586259E (2)
60' Class C1
WT: 2575 lbs
IN: 1- POLE 60' CLASS 1 R5 COMP SEC POLE
IN: 1- XA SNGL TAN HD COMP 10' W/BKT
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR W/ANGLE
IN: 1- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
IN: 1- AG 24" CR PLT 1 1/4 " X 10" ROD 3-EYE
IN: 1- OH GUYING TEE W/HARDWARE CMP & WOOD

(1) RM 4586259E
60' Class C2
RM: 1- POLE 60' CLASS 2 WOOD FULL TREAT
RM: 1- XA SNGL VB 10' STEEL PINS
RM: 1- AG ANCHOR ROD 3/4" X 8' 2-EYE W/PLATE
RM: 1- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
RM: 3- INS POLY POST 33KV CLMP #4-336

TRANSFER (S):
3/C 2/0A-33KV
1-PT-12KV (1998)
2-SEC ANTENNA (1998)





SUP

SPECIAL USE PERMIT

NOT TO SCALE

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED	N
UG CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE: GOVT LAND	
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 (TLM) REQ'D	N

DISTRICT 31 - REDLANDS	PROJ. MGR. LIVINGSTON, JASON PHONE 714-323-9041	PLANNER ASP PHONE 714-893-2405	DESIGNER ASP
PROJECT NO. 1756925 / SERVICE REQUEST 2661988	MSR NO.	PRODUCT-1 1526224-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESC
CIRCUIT / VOLTAGE BEAR VALLEY 33KV/POULTRY 12KV	THOMAS GUIDE	PRODUCT-2 OCP TD1507026-RECONDUCTOR	ASSOC DESC
SUB / PG NO. ZANJA SUB/YUCAIPA SUB	CIRCUIT CODE	PRODUCT-3	ASSOC DESC
INVENTORY MAP 220-2292-2	J.P.A. NO.		

PROPOSED CONSTRUCTION (LOCATION)
4586259E
HWY 38 P/P 500' S, 2,400' W/O KILKARE RD
YUCAIPA, CA

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
				ASP	

Southern California Edison Company

SHEET OF

DESIGN\DRWG NO. 1134104 0.01

NOTES
EAGLE ZONE
HIGH FIRE: TIER 3
ENVIRO POLE - WOODPECKER/FOREST AREA
FEDERAL LAND - US FOREST SERVICE
BULLETIN 322 AREA
JOINT POLE
HARD ACCESS POLE IS UP ON THE TOP OF A RIDGE
HAND SET
HELICOPTER SET REQ'D
RIGHTS CHECK REQ'D - UNITED STATES FOREST SERVICE
TR: 2/C-1/0A-12KV

SUP

SPECIAL USE PERMIT

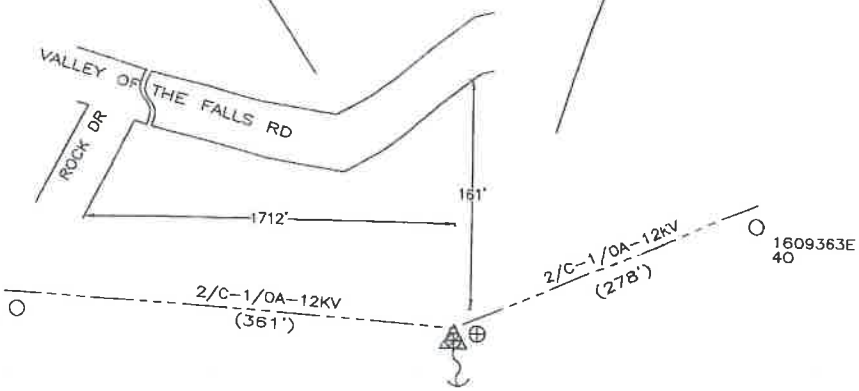
HFIA

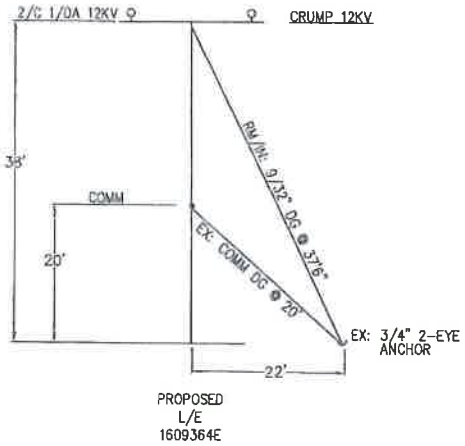
TIER: 2

N: 34° 4' 49.98"
W: 116° 53' 31.81"
ELEVATION: 6679'

(1) RM 1609364E
35' Class C5
RM: 1- POLE 35' CLASS 5 WOOD FULL TREAT
RM: 1- XA SNGL VB 10' STEEL PINS
RM: 2- INS POLY & PIN 12KV ANGLE
RM: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV

SAME HOLE SET
POLE 1609364E (2)
45' Class C4
WT: 1078 LBS
IN: 1- POLE 45' CLASS 4 WOOD FULL TREAT
IN: 1- XA SNGL VB 10' STEEL PINS
IN: 2- INS POLY W/PIN 12KV CLMP #4-653 ACSR ANGLE
IN: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV





NOT TO SCALE

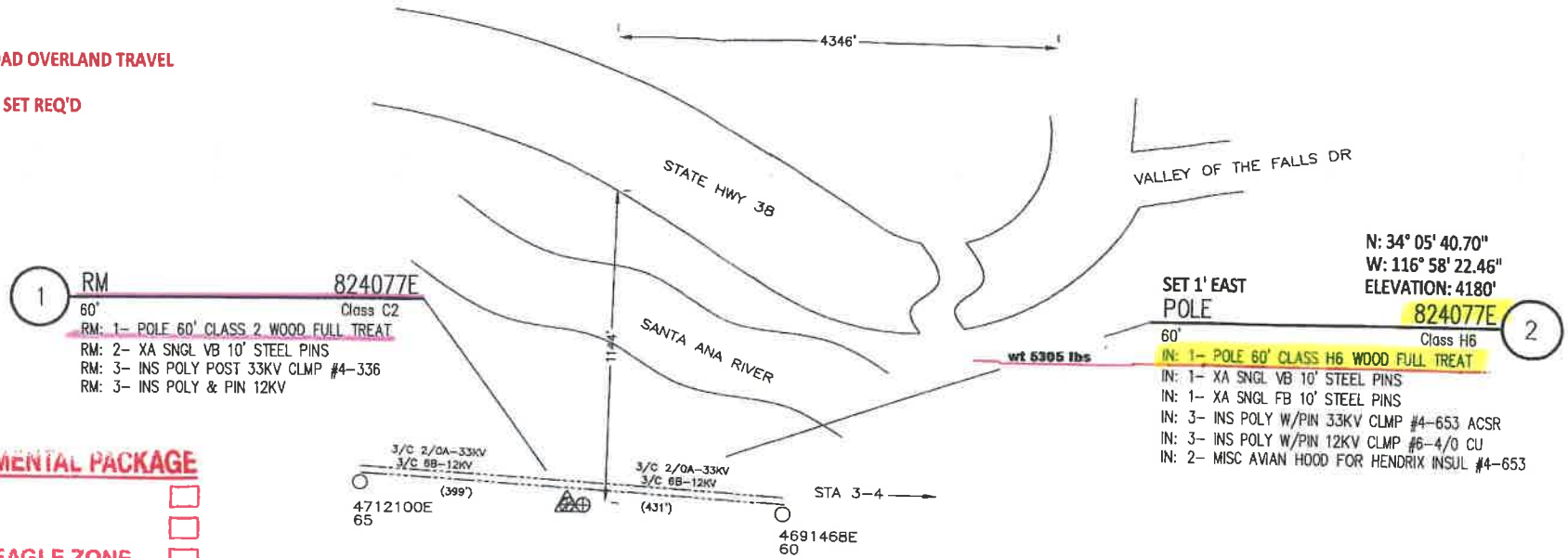
PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	Y
PWRD 88 REQUIRED	N
UG CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE:	
OUTAGE REQUIRED	N
OUTAGE DATE: _____ TIME:	
TRAFFIC CONTROL REQUIRED	N
PED. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSD 140 (TLM) REQ'D	N

D124 Rev 03/06/17

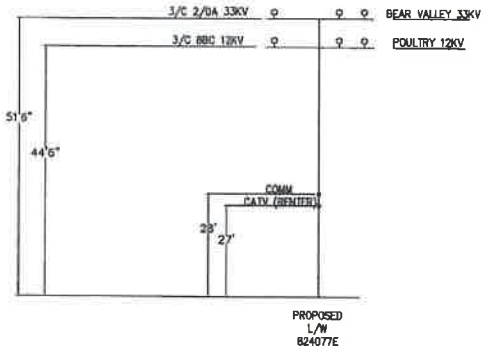
DISTRICT 31 - REDLANDS	PROJ. MGR. SANDOVAL, SANDRA PHONE (909)660-1362	PLANNER HAMPTON TEDDER PHONE (909)628-1253	DESIGNER HAMPTON TEDDER	
PROJECT NO. 1547085 / SERVICE REQUEST 2457734	MSR NO.	PRODUCT-1 1360143-INFRA REPLAC - DET POLE REPLACEMENT		ASSOC DESG
CIRCUIT / VOLTAGE CRUMP 12KV	THOMAS GUIDE	PRODUCT-2		ASSOC DESG
SUB / PG NO. CRUMP P.T. SUB	CIRCUIT CODE 04428	PRODUCT-3		ASSOC DESG
INVENTORY MAP 212-2334-1	J.P.A. NO. E6031-409203768	PROPOSED CONSTRUCTION (LOCATION) 1609364E VALLEY OF THE FALLS RD P/P 161' S, 1712' E/O ROCK DR. REDLANDS		
4/6/18		SL/HTE		
TYPE / DATE / APPROVED BY	CHECKED BY	DRAWN BY	FAX #	SHEET / DESIGN\DRWG NO.

*** NOTES:**

ENVIRO POLE - WOODPECKER/OPEN SPACE
BULLETIN 322 AREA
RENTER
JOINT POLE
IDLE COMM ON POLE
HARD ACCESS: OFF ROAD OVERLAND TRAVEL
HAND SET
POSSIBLE HELICOPTER SET REQ'D
TR: 3/C 2/0A-33KV
TR: 3/C 6BC-12KV
TR: 1-CATV (RENTER)
TR: 1-COMM



ENVIRONMENTAL PACKAGE
MONITOR ☐
TRAINING ☐
NESTING/EAGLE ZONE ☐
PRE-CON SURVEY (ALLOW 2 WEEKS) ☐



NOT TO SCALE

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An EDISON INTERNATIONAL Company

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED	N
PERMIT REQUIRED	Y
PERMIT TYPE:	
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 (TLM) REQ'D	N

D124: Rev. 04/19/16

DISTRICT: 31 - REDLANDS	PROJ. MGR.: SANDOVAL, SANDRA PHONE 909-660-1362	PLANNER: HAMPTON TEDDER PHONE 909-628-1253	DESIGNER: HAMPTON TEDDER
PROJECT NO.: 1461355 / SERVICE REQUEST: 2375214	MSR NO.	PRODUCT-1: 1294001-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESGN
CIRCUIT / VOLTAGE: BEAR VALLEY 33KV/POULTRY 12KV	THOMAS GUIDE	PRODUCT-2	ASSOC DESGN
SUB / PG NO.: ZANJA/YUCAIPA SUB	CIRCUIT CODE: 01338/14372	PRODUCT-3	ASSOC DESGN
INVENTORY MAP: 216-2304-2	J.P.A. NO.: E6031-408824215	PROPOSED CONSTRUCTION (LOCATION): 824077E STATE HWY 38 1144' S, 4346' W/O VALLEY OF THE FALLS DR MOUNTAIN HOME VILLAGE, CA	

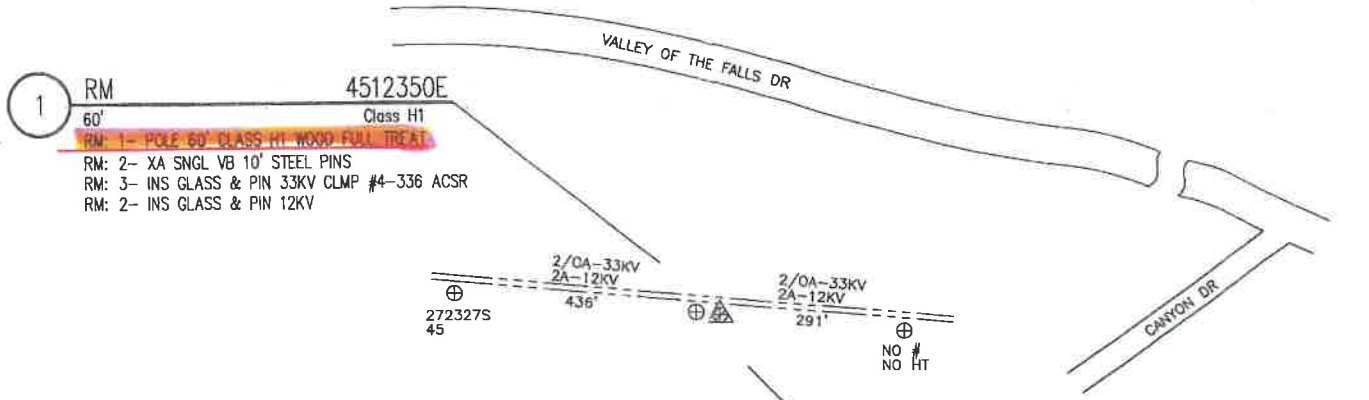
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
	9/21/17			PN/HTE	

Southern California Edison Company

SHEET 1 OF 1 | DESIGN\DRWG NO. 947809 0.01

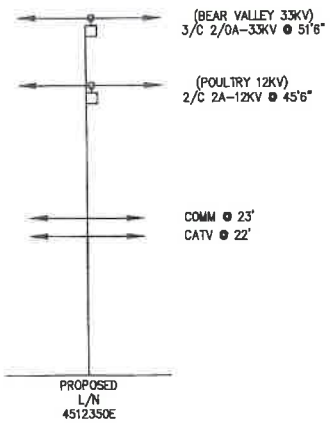
FLIGHT

* NOTES: JOINT POLE
RENTER - CHARTER
CONTACT CATV
ENVIRO POLE - WOODPECKER DAMAGE; OPEN & WEEDY
BULLETIN 322 AREA
EAGLE ZONE
HELICOPTER SET
SET 1' WEST



TRANSFER (S):
3/C 2/0A-33KV (BEAR VALLEY)
2/C 2A-12KV (POULTRY)

N 34° 05' 34.22"
W 116° 56' 56.27"
ELEVATION: 4,691'
POLE 4512350E 2
60' Class H4
wt 4358 lbs
IN: 1- POLE 60' CLASS H4 WOOD FULL TREAT
IN: 2- XA SNGL VB 10' STEEL PINS
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 2- INS POLY W/PIN 12KV CLMP #4-653 ACSR
IN: 1- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED	N
PERMIT REQUIRED	Y
PERMIT TYPE:	
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 (TLM) REQ'D	N

DISTRICT 31 – REDLANDS	PROJ. MGR. LIVINGSTON, JASON PHONE 714-323-9041	PLANNER ASP PHONE 714-893-2405	DESIGNER ASP
PROJECT NO. 1482937 / SERVICE REQUEST 2396429	MSR NO.	PRODUCT-1 1309989-INFRA REPLAC – DET POLE REPLACEMENT	ASSOC DESGN
CIRCUIT / VOLTAGE BEAR VALLEY 33KV/POULTRY 12KV	THOMAS GUIDE	PRODUCT-2	ASSOC DESGN
SUB / PG NO. ZANJA SUB/YUCAIPA SUB	CIRCUIT CODE	PRODUCT-3	ASSOC DESGN
INVENTORY MAP 216-2316-2	J.P.A. NO. 408845213		

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
				ASP	

Southern California Edison Company

PROPOSED CONSTRUCTION (LOCATION)
POLE# 4512350E
VALLEY OF THE FALLS DR 981' S, 1404' W/O CANYON DR
FOREST HOME

SHEET ____ OF ____

DESIGN\DRWG NO. 960765_0.01

34° 53' 34 N
116 56 29 W

50'0' ALL

2723345
H-FRAME

(2) RM: 2723345
RM: 1-50' POLE CL-4

6-DE 33KV

620' #6 BC
620' 1/0A 2/C 4KV
2 DE 4KV

IN: 4930532E (2)
IN: 1-50 POLE CL-2 WT: 1652 LBS
1-20 DBLE COMP XARM
6-DE 33KV 2/0A

3-<3 EYE ANCHOR 22'6"
LEAD 34'
LEAD 45'

NEW ANCHOR
2
D/O
NEW ANCHOR

NEW ANCHOR

IN: 4930527E (3)
IN: 1 50' POLE CL-2 WT: 1652 LBS

DC 1/0A 33KV

VALLEY OF FALLS

RM: 3/C 1/0A 33KV
RM: 620'
RM: 620' #6 BC

NO TRUCK ACCESS A.SDEC
TO DETERMINE
NEW POLE IN. (WILL BE A (H-FRAME)

(4) RM: 2723335
50 POLE CL-2
DELET

(5) 4930533E
1 50' POLE CL-2 WT: 1652 LBS

COST PLUS TO DIG NEW
POLES FOR POLES & ANCHOR

WT: 1652 LBS (6) 4930534E
IN 50' POLE CL-2
2-3 EYE ANCHOR (LEAD 22' (65°)

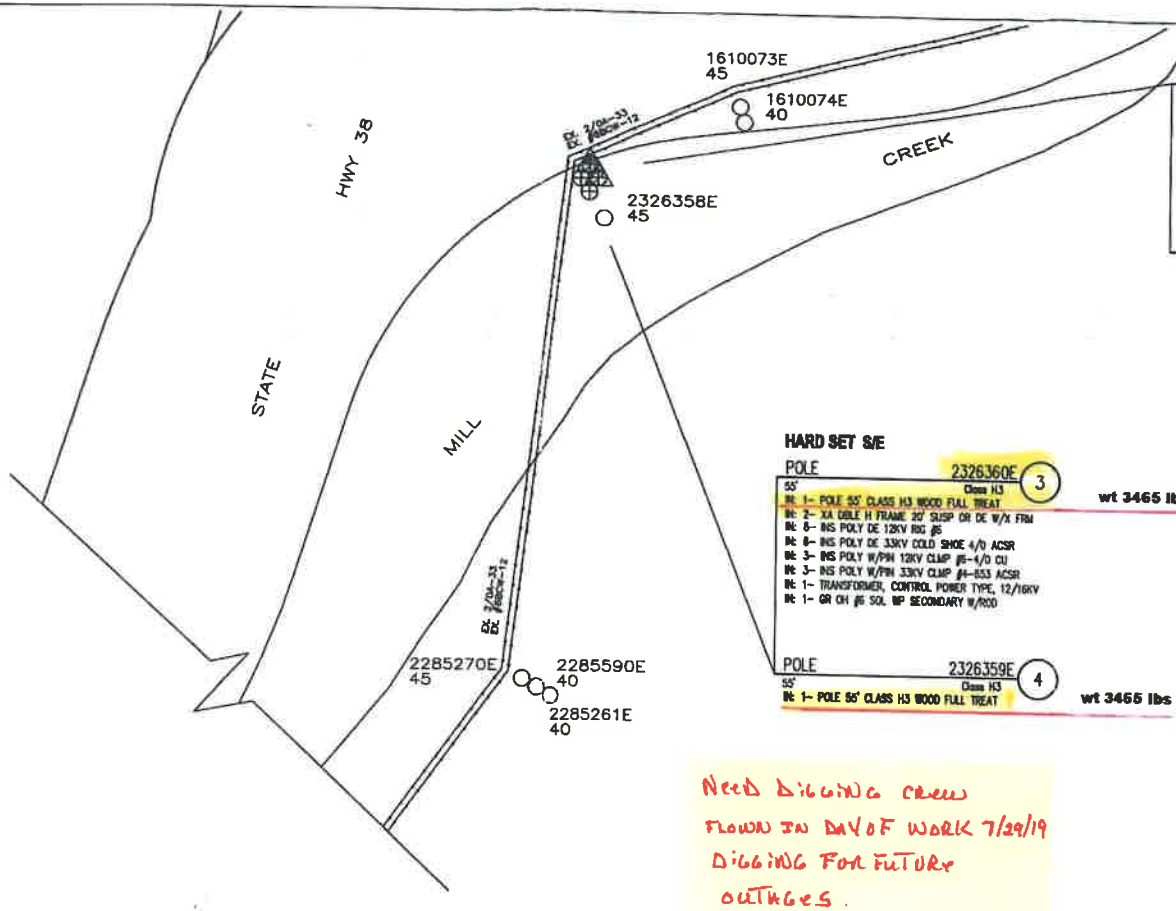
620' - 3/C 1/0 XLP

PLANNER:	JOB NAME: DET POLE NOTIFICATION		FOREMAN:		DISTRICT: REDLANDS	
DWO: (1) 1354944	JOB LOCATION: 34° 52 34 N 116 56 29 W		TRUCK:	P/E	DATE SENT TO R/W:	DIST SKETCH #
SAP NO.:	TLM-CSD 140 REQUIRED YES____ NO____	T.L.M. DATA: SIZE KVA CUST. % LOAD	DRAWN BY:		INV. MAP NO 'S	
J.P.A. NO.:	GRID NO. / THOMAS MAP	EXIST. PROP. VOLTAGE DROP ____ %	PHONE NO:			
RELATED W.O.:		PRI. CIRC.:	INV. MAP NO.'S VERIFIED: (✓)			

DECAL 30

NOTE(S):
-HELICOPTER SET
-REMOVE PUSH BRACE POLE

TRANSFER(S):
-SCE RENTER (CHARTER)
-3 2/0 ACSR (33kV)
-3 #6BC (12kV)
-4 3/8" DOWN GUYS
-NETWORK RADIO & BATTERY



34° 05' 43.0"
-117° 01' 54.6"

RM 2326360E (1)
55' Class C3
RM: 1- POLE 55' CLASS 3 WOOD FULL TREAT
RM: 2- XA DBLE H FRAME 20' SUSP OR DE W/X FRM
RM: 6- INS GLASS DE 33KV NO L-GUARD 336
RM: 8- INS POLY DE 12KV RIG #6
RM: 6- INS POST GLASS 12KV TIE #4-336 ACSR
RM: 1- TRANSFORMER, CONTROL POWER TYPE, 12/16KV
RM: 1- GR OH #6 SOL WP SECONDARY W/ROD

RM 2326359E (2)
55' Class C3
RM: 1- POLE 55' CLASS 3 WOOD FULL TREAT

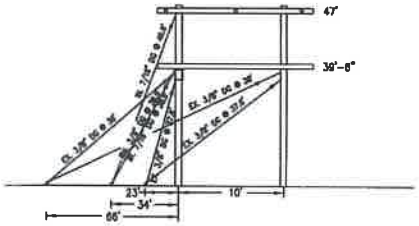
2326359E
2326360E
TD:342293

HARD SET S/E

POLE 2326360E (3)
55' Class H3
IN: 1- POLE 55' CLASS H3 WOOD FULL TREAT
IN: 2- XA DBLE H FRAME 20' SUSP OR DE W/X FRM
IN: 6- INS POLY DE 12KV RIG #6
IN: 6- INS POLY DE 33KV COLD SHOE 4/0 ACSR
IN: 3- INS POLY W/PIN 12KV CLMP #6-4/0 CU
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 1- TRANSFORMER, CONTROL POWER TYPE, 12/16KV
IN: 1- GR OH #6 SOL WP SECONDARY W/ROD
wt 3465 lbs

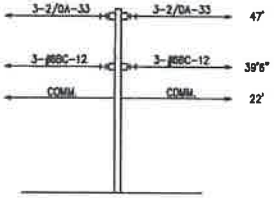
POLE 2326359E (4)
55' Class H3
IN: 1- POLE 55' CLASS H3 WOOD FULL TREAT
wt 3465 lbs

Need Digging crew
flown in day of work 7/29/19
Digging for future
outages.
structures 2326360E/2326359E



PROPOSED POLE
2326360E
L/E

PROPOSED POLE
2326359E
L/E



PROPOSED POLE
2326360E
L/S

PROPOSED POLE
2326359E
L/S

NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	N
PWRD 88 REQUIRED	N
UG CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	N
PERMIT TYPE:	
OUTAGE REQUIRED	Y
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 (TLM) REQ'D	N

DISTRICT 31 – REDLANDS	PROJ. MGR. SANDOVAL, SANDRA PHONE 909-660-1362	PLANNER MERCADO, EDWARD J. PHONE 909-469-0266	DESIGNER MERCADO, EDWARD J.
PROJECT NO. 1549986 / SERVICE REQUEST 2460461	MSR NO.	PRODUCT-1 1362293-INFRA REPLAC – DET POLE REPLACEMENT	ASSOC DESGN
CIRCUIT / VOLTAGE POULTRY 12kV	THOMAS GUIDE	PRODUCT-2	ASSOC DESGN
SUB / PG NO. YUCAIPA	CIRCUIT CODE	PRODUCT-3	ASSOC DESGN
INVENTORY MAP 216-2292-2	J.P.A. NO. E6030-409243462	PROPOSED CONSTRUCTION (LOCATION) VARLOC VARIOUS REDLANDS, CA 90000	

TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #

Southern California Edison Company

SHEET 1 OF 1

DESIGN\DRWG NO. 1004175_0.01