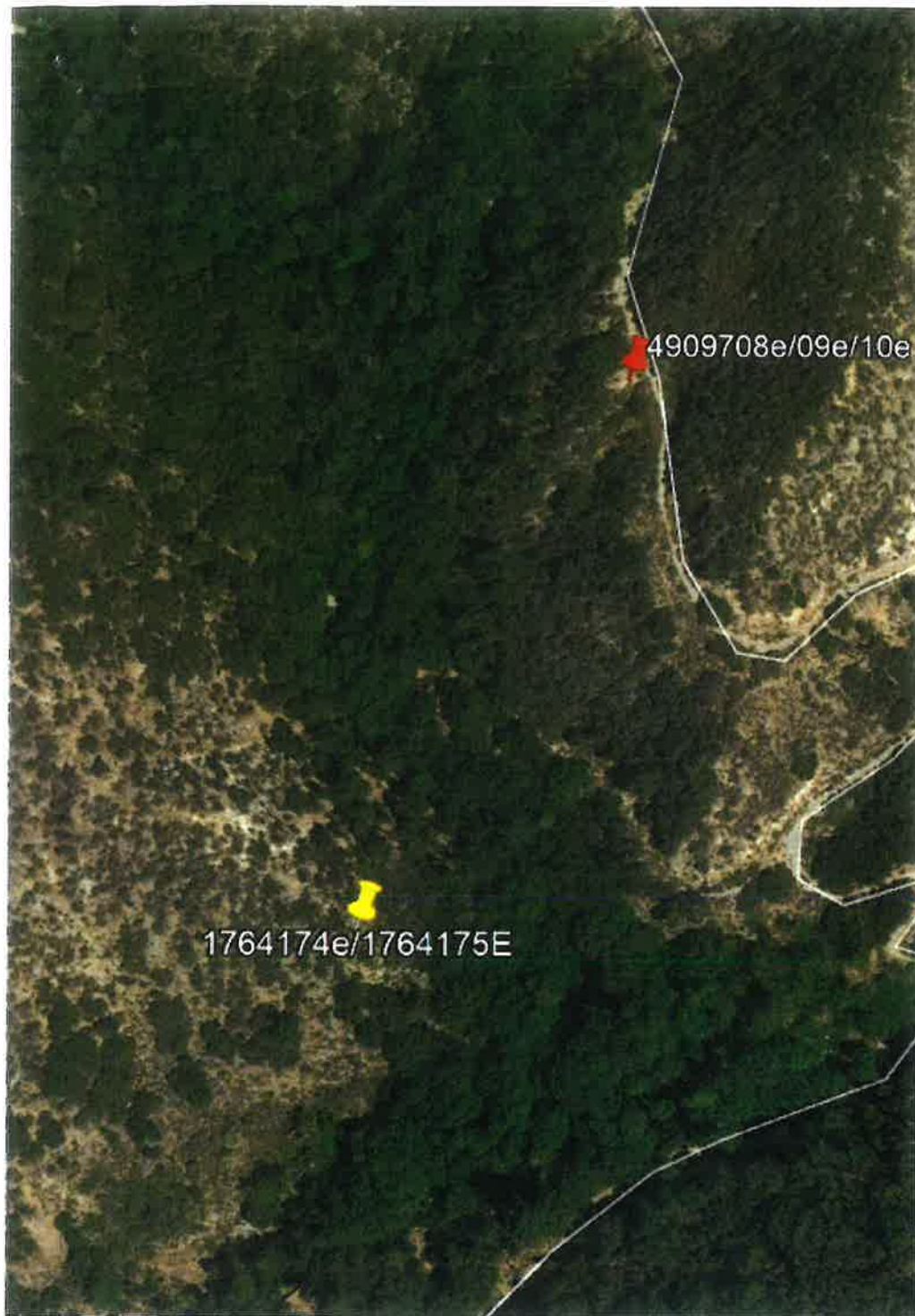


12/4



1764174E/1764175E (2 poles)

34 6 49.11N
116 59 15.98W

11/26 D16

4909708/09/10 (3 poles)

34 6 55.13N
116 59 10.63W

11/27 D16

- NOTE
- 1) COST PLUS INSTALL SOUND TUBES FOR NEW POLE SETS.
 - 2) FOLLOW VICINITY MAP FOR ACCESS DETAILS.
 - 3) POLE WILL BE HELICOPTER SET.

① RM: 1764175E
 1-35' POLE 'CLS'
 1-10' DOUBLE X ARM
 6-942 133KV 110 ACSE

② IN: 1764175E
 1-45' POLE 'LL H1'
 1-20' X ARM COMPOSITE
 3-PIN 133KV 110 ACSE SUSPENSION

③ RM: 1764174E
 1-35' POLE 'CLS'

④ IN: 1764174E
 1-45' POLE 'LL H1'

PERMIT INCLUDED

NO ENVIRONMENTAL

PLANNER: JASSI	JOB NAME: DET RUC HOME # 410062341		FOREMAN:		DISTRICT: 3 CEDAR	
DWO:	JOB LOCATION: MOUNTAIN HOME REE RD, PINEBLVD OAKS		TRUCK:	P/E:	DATE SENT TO RW:	DIST. SKETCH #
SAP NO.: 1561213	TLM-CSD 140 REQUIRED YES NO	T.L.M. DATA: SIZE KVA CUST. LOAD	DRAWN BY:		224-7304-2	
J.P.A. NO.:	GRID NO.	THOMAS MAP	PHONE NO:		INV. MAP NO.'S	
RELATED W.O.:		EXIST. PROP.	VOLTAGE DROP		INV. MAP NO.'S VERIFIED: (✓)	
		PRI. CIRC.:				

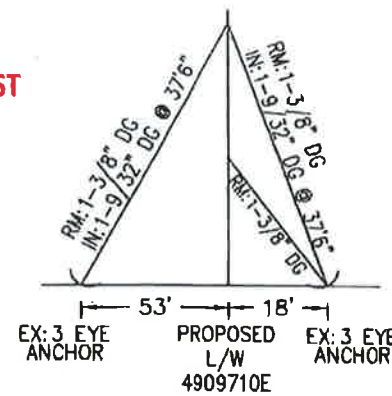
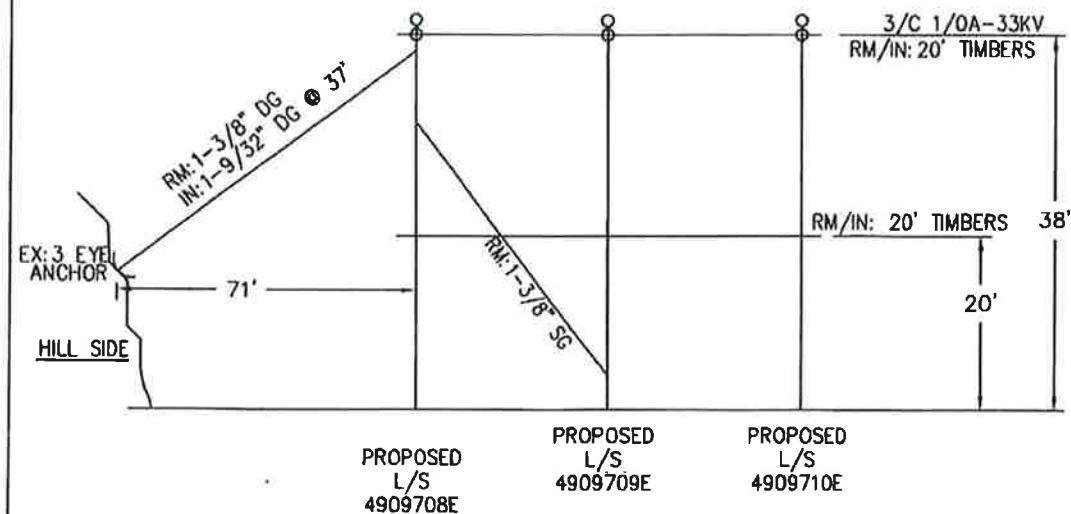
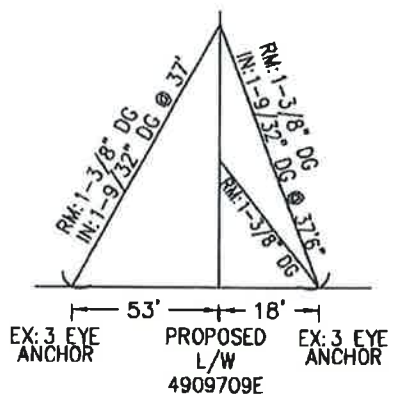
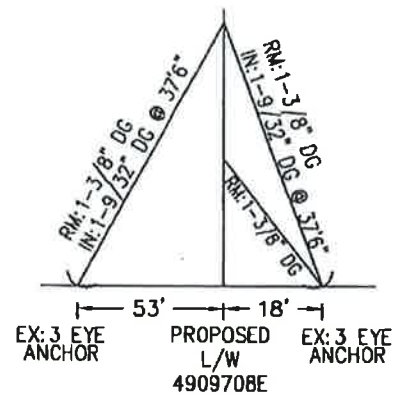
SCE 14-168-30 REV 8/17 (CW)

DECAL 30

*** NOTES:**

ENVIRO POLE - OPEN SPACE / WOODPECKER
FEDERAL PERMIT REQ'D - SAN BERNARDINO NATIONAL FOREST
CREW NOTE: INSTALL 50' POLE FOR POLE
4909710E, BASE OF POLE IS LOWER
THAN RELATED POLES. ON SLOPE OF HILL.

BULLETIN 322 AREA
E-ALL POLE
HAND SET
HELICOPTER SET REQ'D
TR: 3/C 1/0A-33KV



- 1 RM 272107A Class C2
 45'
 RM: 1- POLE 45' CLASS 2 WOOD FULL TREAT
 RM: 3- SA PORC 33KV 1-EA
 RM: 2- XA DBLE H FRAME 20' SUSP OR DE W/X FRM
 RM: 3- INS POST PORC 33KV UCLMP #4-336 ACSR
 RM: 6- INS PORC DE 33KV HVY LOAD #4 & 1/0 ACSR
 RM: 10- AG DOWN GUY 3/8" - 50' MORE THAN 22.5KV
 RM: 1- AG SPAN GUY 3/8" - 200'

- 3 RM 272107B Class C2
 45'
 RM: 1- POLE 45' CLASS 2 WOOD FULL TREAT

- 5 RM 272107C Class C2
 45'
 RM: 1- POLE 45' CLASS 2 WOOD FULL TREAT

DESIGN NOTE: 50' IN FIELD

PROJECT REQUIREMENTS (Y/N)

- EDISON EASEMENT REQUIRED ☐
 PWRD 88 REQUIRED ☐
 PERMIT REQUIRED ☒
 PERMIT TYPE:
 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 ☐

D:24: Rev. 04/19/16

1609146E
 40
 1609145E
 40

3/C 1/0A-33KV
 (886')

1764175E
 35
 1764174E
 35

MOUNTAIN HOME CREEK RD

HWY 18

DIRT RD.

DIRT RD.

SET 1' NORTH
 POLE

N: 34° 6' 55.13"
 W: 116° 59' 10.63"
 ELEVATION: 4526'

4909708E

- 45' Class C4
 IN: 1- POLE 45' CLASS 4 WOOD FULL TREAT
 IN: 2- XA DBLE H FRAME 20' SUSP OR DE W/X FRM
 IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR
 IN: 6- INS POLY DE 33KV COLD 1/0 ACSR
 IN: 7- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV

SET 1' NORTH
 POLE

N: 34° 6' 55.15"
 W: 116° 59' 10.76"
 ELEVATION: 4524'

4909709E

- 45' Class C4
 IN: 1- POLE 45' CLASS 4 WOOD FULL TREAT

SET 1' NORTH
 POLE

N: 34° 6' 55.17"
 W: 116° 59' 10.88"
 ELEVATION: 4521'

4909710E

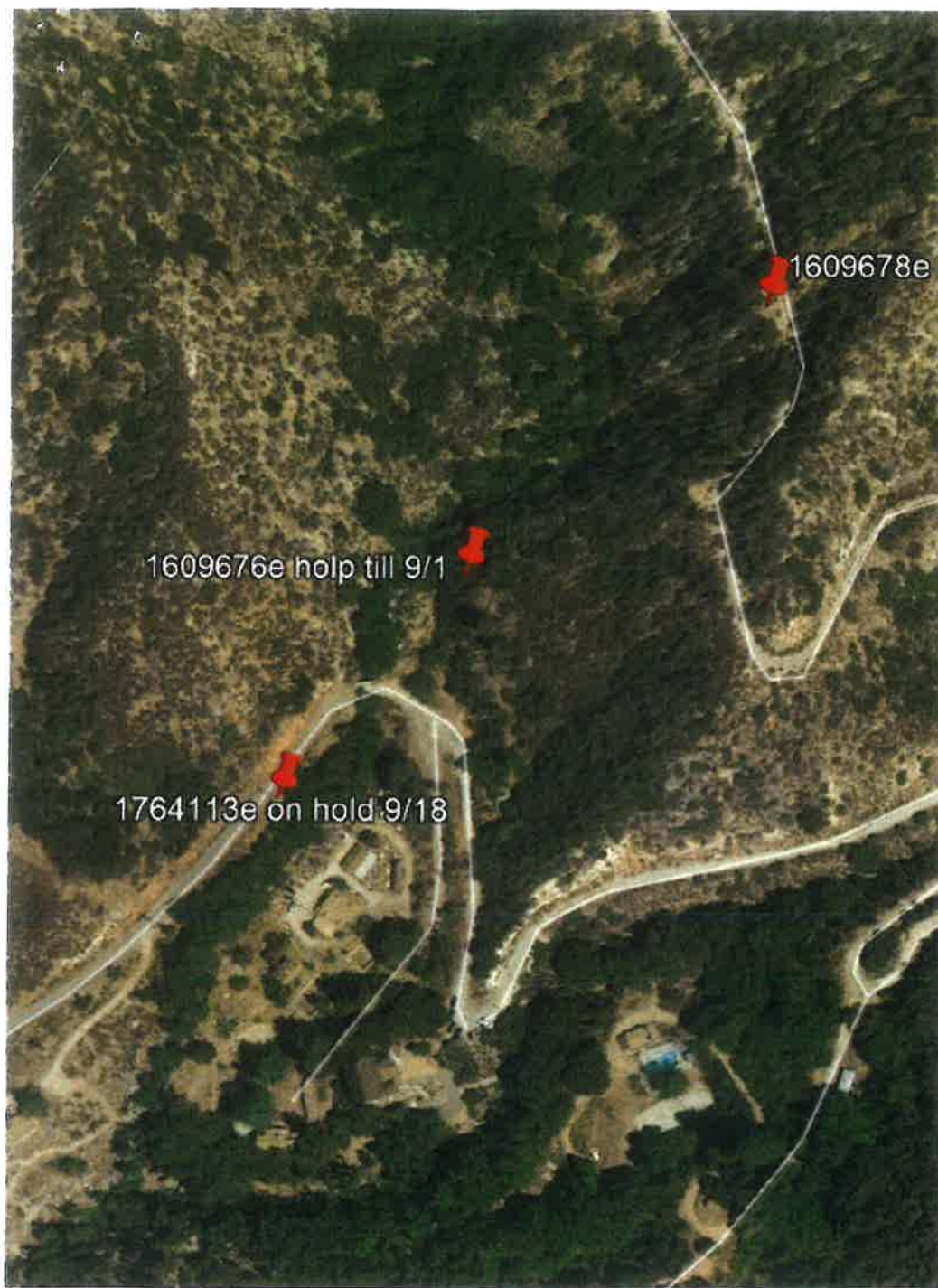
- 50' Class C4
 IN: 1- POLE 50' CLASS 4 WOOD FULL TREAT



NOT TO SCALE

DISTRICT 31 - REDLANDS	PROJ. MGR. SANDOVAL, SANDRA PHONE (909) 660-1362	PLANNER HAMPTON TEDDER PHONE (909) 628-1253	DESIGNER HAMPTON TEDDER
PROJECT NO. 1445219	SERVICE REQUEST 2359461	MSR NO.	PRODUCT-1 1282399-INFRA REPLAC - DET POLE REPLACEMENT
CIRCUIT / VOLTAGE BEAR VALLEY 33KV	THOMAS GUIDE	PRODUCT-2	ASSOC DESIGN
SUB / PG NO. ZANJA SUB	CIRCUIT CODE 01338	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP 224-2304-2	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) 272107A, 272107B, 272107C 1619' W/O HWY 18, 3655' NW/O MOUNTAIN HOME CREEK RD. FOREST FALLS, CA	
7/25/2017	SS/HTE	SHEET 1 of 1	DESIGN/DRWG NO. 937933_0.01
TYPE	DATE	APPROVED BY	CHECKED BY
Southern California Edison Company			

12/4



1764113 E
34 6 22.67 N
116 59 33.40 W

1609676 E
34 6 25.32 N
116 59 29.69 W

1609678 E
34 6 27.64 N
116 59 24.05 W

11/25 DIA

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☐

PWRD 88 REQUIRED ☐

UG CIVIL ONLY WORK ORDER ☐

PERMIT REQUIRED ☐

PERMIT TYPE: _____

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 ☐

1 RM 1609676E 1967
45'
RM: 1- POLE 45' CLASS 4 WOOD FULL TREAT
RM: 2- XA SNGL VB 10' STEEL PINS
RM: 8- INS GLASS/POLY 35KV & LESS
RM: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV (270°)
RM: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV (20°)

RM: 1- 9/32" DOWN GUY
IN: 1- 9/32" DOWN GUY

RM: 1- 8/32" DOWN GUY
IN: 1- 3/8" DOWN GUY

2 POLE 1609676E Class C4
50'
IN: 1- POLE 50' CLASS 4 WOOD FULL TREAT
IN: 6- INS POLY DE 33KV HOT #4 & 1/0 ACSR
IN: 2- INS POLY W/PIN 33KV CLMP #4-336 WRACSR
IN: 2- XA DBLE VB 10' STEEL PINS
IN: 1- AG DOWN GUY 9/32" - 50' MORE THAN 22.5KV (270°)
IN: 1- AG DOWN GUY 3/8" - 50' MORE THAN 22.5KV (20°)

EX. 1/0A-33KV
272094S

EX. 1/0A-33KV
1609684E
1609677E

MOUNTAIN HOME CREEK RD.

UNDERGROUND SERVICE ALERT

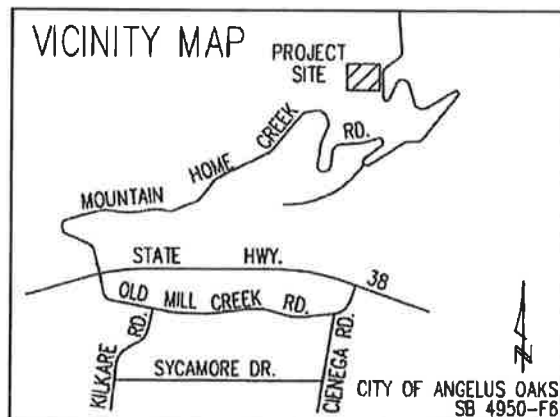
Dial 811

Call USA

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2 Working Days Before You Dig



NOT TO SCALE



DISTRICT 31 - REDLANDS		PROJ. MGR. PHONE		PLANNER HOGUE, MICHAEL PHONE 909-307-6836		DESIGNER MOWERY, CHRISTOPHER	
PROJECT NO. 1514444	SERVICE REQUEST 2426075	MSR NO.	PRODUCT-1 1334483-INFRASTRUCTURE REPLACEMENT PLP			ASSOC DESGN	
CIRCUIT / VOLTAGE BEAR VALLEY 33KV		THOMAS GUIDE SB 4950-F6	PRODUCT-2			ASSOC DESGN	
SUB / PG NO. ZANJA		CIRCUIT CODE	PRODUCT-3			ASSOC DESGN	
INVENTORY MAP 220-2304-2		J.P.A. NO. E6031-409277110		PROPOSED CONSTRUCTION (LOCATION) REPLACE DET POLE VARIOUS LOCATIONS (LOCATION 1) ANGELUS OAKS (TIER 3)			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN\DRWG NO.
Southern California Edison Company						1 OF 2	981319 0.01

Southern California Edison Company

NOTES:

- RENTER - CHARTER COMMUNICATIONS
- POLE LOCATED ON A MOUNTAIN NEAR A WALKING TRAIL
- NO VEHICLE ACCESS - CHOPPER SET RECOMMENDED

BULLETIN 322: ☒
EAGLE ZONE: ☒

TREE TRIMMING REQUIRED:
TR COMM:
PULLING ROUTINE:
SPECIAL AGREEMENT:
ADDITIONAL NOTES:

STATIONS
01 & 02



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Innovative Thinking. Engineered Solutions.

GPS COORDINATES

34° 06' 27.54"
-116° 59' 24.14"

ELEVATION 4176'

HEAVY LOADING ☒

ENVIRONMENTAL SCREENING
REQUIRED?

YES ☒

NO ☐

0121: Rev. 03/20/15

POLE DETAILS

JOINT POLE: ☒
RENTER: ☒
MITC FUME: ☐
JOINT MEET: ☐
TRUCK ACCESS: ☐
HAND SET: ☐
CONTACT CATV: ☒

PROJECT REQUIREMENTS

EDISON EASEMENT REQUIRED ☐

PWRD 88 REQUIRED ☐

PERMIT REQUIRED ☒

PERMIT TYPE: FEDERAL LAND - FOREST

OUTAGE REQUIRED ☐

TRAFFIC CONTROL REQUIRED ☐

PED. TRAFFIC CONTROL REQ'D ☐

PAVEMENT REPAIR REQ'D ☐

ASPH ☐ CONC ☐ SIZE ☐

NOTE:

HARD SET N.W

POLE

1609678E

2

50' Class C1
IN: 1- POLE 50' CLASS 1 WOOD FULL TREAT
IN: 1- XA DBLE VB 10' STEEL PINS
IN: 6- INS POLY DE 33KV HOT #4 & 1/0 ACSR
IN: 1- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 2- AG DOWN GUY 3/8" - 50' MORE THAN 22.5KV

12' LEAD

MOUNTAIN HOME CREEK RD

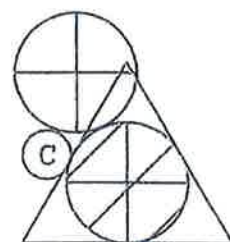
1609677E

45

1609684E

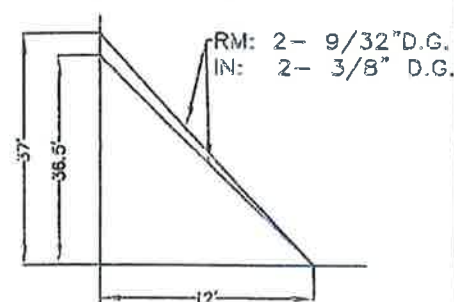
45

RISER - DETAIL

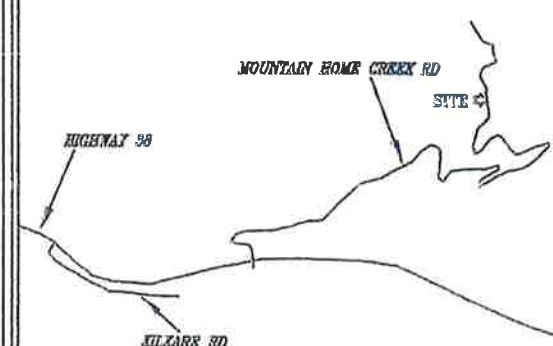


GUY - DETAIL

FACING NORTH



VICINITY MAP



DISTRICT 31 - REDLANDS		PROJ. MGR. RODRIGUEZ, JOHN T PHONE 626-437-9352		PLANNER MACHARIA, ROBERT K PHONE 909-608-7486		DESIGNER FITZSIMMONS, TIMOTHY J	
PROJECT NO. 1090918	SERVICE REQUEST 2012254	MSR NO.	PRODUCT-1 1016866-INFRASTRUCTURE REPLACEMENT PLP	ASSOC DESIGN			
CIRCUIT / VOLTAGE BEAR VALLEY_33KV		THOMAS GUIDE N/A	PRODUCT-2	ASSOC DESIGN			
SUB / PG NO. ZANJA		CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN			
INVENTORY MAP 220-2304-2		J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION) DET POLE REPLACEMENT (1609678E) 8171 MOUNTAIN HOME CREEK RD REDLANDS, CA			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRWG NO. 712078_0.01

Southern California Edison Company

12/4



1609681E

4939495E

34 6 40.98N

34 6 41.81N

116 59 28.10W

116 59 25.84W

016

11/26

1 RM 272104S
50' 1937
RM: 1- POLE 50' CLASS 2 WOOD FULL TREAT
RM: 1- XA SNGL FB 10' STEEL PINS
RM: 3- INS GLASS/POLY 35KV & LESS

2 POLE 4823102E
50' Class C2
IN: 1- POLE 50' CLASS 2 WOOD FULL TREAT
IN: 1- XA SNGL FB 10' STEEL PINS
IN: 3- INS POLY W/PIN 33KV CLMP #4-653 ACSR

CREW NOTES:
-THIS WILL BE A HELICOPTER SET
-ACCESS THROUGH LOCH ELEVEN
CONFERENCE CENTER IN S.B. NATIONAL
FOREST, IT'S 3/4 MILE HIKE TO POLE.
-REFER TO GOOGLE EARTH MAPS IN
PACKAGE TO FIND POLE LOCATION
-POLE LOCATED ON SIDE OF HILL
ABOUT 10' DOWN
-MOVE NEW POLE OFF SIDE OF HILL
IF POSSIBLE
-COST PLUS WILL NEED TO DIG
NEW HOLE FOR POLE

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☐

PWRD 88 REQUIRED ☐

PERMIT REQUIRED ☐

PERMIT TYPE: N/A

OUTAGE REQUIRED ☐

OUTAGE DATE: N/A TIME: _____

TRAFFIC CONTROL REQUIRED ☐

PED. TRAFFIC CONTROL REQ'D ☐

CONVEYANCE LETTER REQ'D ☐

ENVIRONMENTAL CLEARANCE REQ'D ☐

CSD 140 (TLM) REQ'D ☐

UNDERGROUND SERVICE ALERT

Dial 811

Call USA

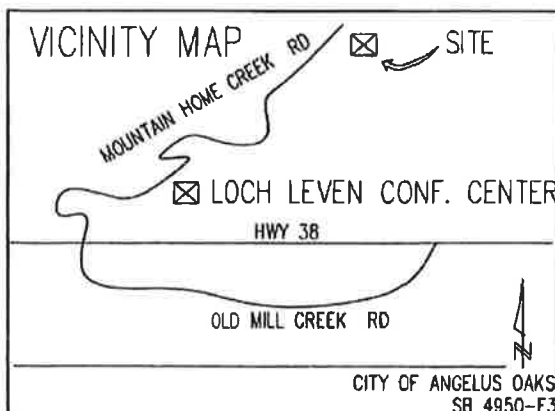
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2 Working Days Before You Dig



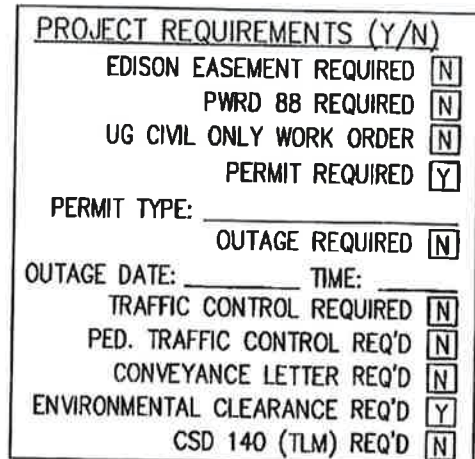
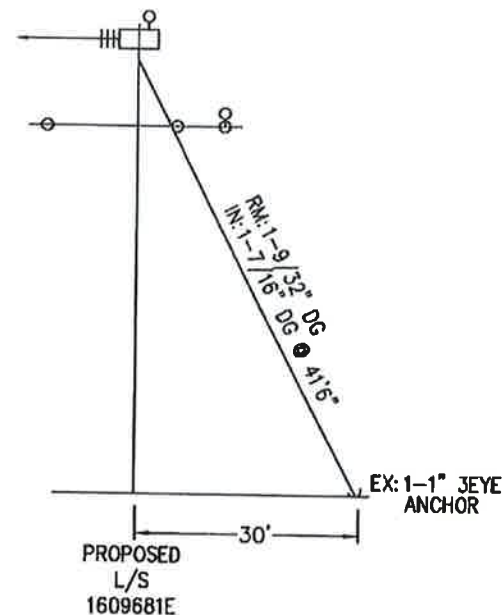
SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

NOT TO SCALE

DISTRICT 31 - REDLANDS		PROJ. MGR. PHONE		PLANNER SALMON, DAVID A PHONE 909-307-6710		DESIGNER SINGH CORRAL, JENNIFER	
PROJECT NO. 1465496		SERVICE REQUEST 2379329		MSR NO. N/A		PRODUCT-1 1296914-INFRA REPLAC - DET POLE REPLACEMENT	
CIRCUIT / VOLTAGE BEAR VALLEY		THOMAS GUIDE SB 4950-F3		PRODUCT-2		ASSOC DESGN	
SUB / PG NO. ZANJA		CIRCUIT CODE		PRODUCT-3		ASSOC DESGN	
INVENTORY MAP 224-2304-2				J.P.A. NO. N/A		PROPOSED CONSTRUCTION (LOCATION) DETERIORATED POLE REPLACEMENT 2385' N, 2475' W FR. S/E COR OF SEC 4 TIS R/W ANGELUS OAKS, CA 92305 NOTIFICATION #: 405688405	
TYPE		DATE		APPROVED BY		DESIGN\DRWG NO.	
						950312_0.01	
Southern California Edison Company						SHEET 1 OF 1	



TR: 3/C 1/0A-33KV(SE)



DISTRICT 31 - REDLANDS		PROJ. MGR. SANDOVAL, SANDRA PHONE (909) 660-1362		PLANNER HAMPTON TEDDER PHONE (909) 628-1253		DESIGNER HAMPTON TEDDER																										
PROJECT NO. 1616440		SERVICE REQUEST 2525020		MSR NO.		PRODUCT-1 1417014-INFRA REPLAC - DET POLE REPLACEMENT																										
CIRCUIT / VOLTAGE BEAR VALLEY 33KV		THOMAS GUIDE		PRODUCT-2		ASSOC DESGN																										
SUB / PG NO. ZANJA SUB		CIRCUIT CODE 01338		PRODUCT-3		ASSOC DESGN																										
INVENTORY MAP 224-2304-2				J.P.A. NO.																												
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10/31/18				SL/HTE																												
TYPE		DATE		APPROVED BY		CHECKED BY																										
DRAWN BY		PAX #		SHEET		DESIGN\DRWG NO.																										
Southern California Edison Company				1 OF 1		1048632 0.01																										

50' Class C1

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

IN: 4- CROSSARM, COMPOSITE, DEADEND, HEAVY DUTY, 10' LENGTH

IN: 2- ATTACHMENT, GUY, DUCTILE IRON

IN: 2- INS POLY W/PIN 33KV CLMP #4-653 ACSR

IN: 6- INS POLY DE 33KV HOT SHOE #4 & 1/0 ACSR

IN: 1- AG DOWN GUY 7/16" - 50' LESS THAN 22.5KV

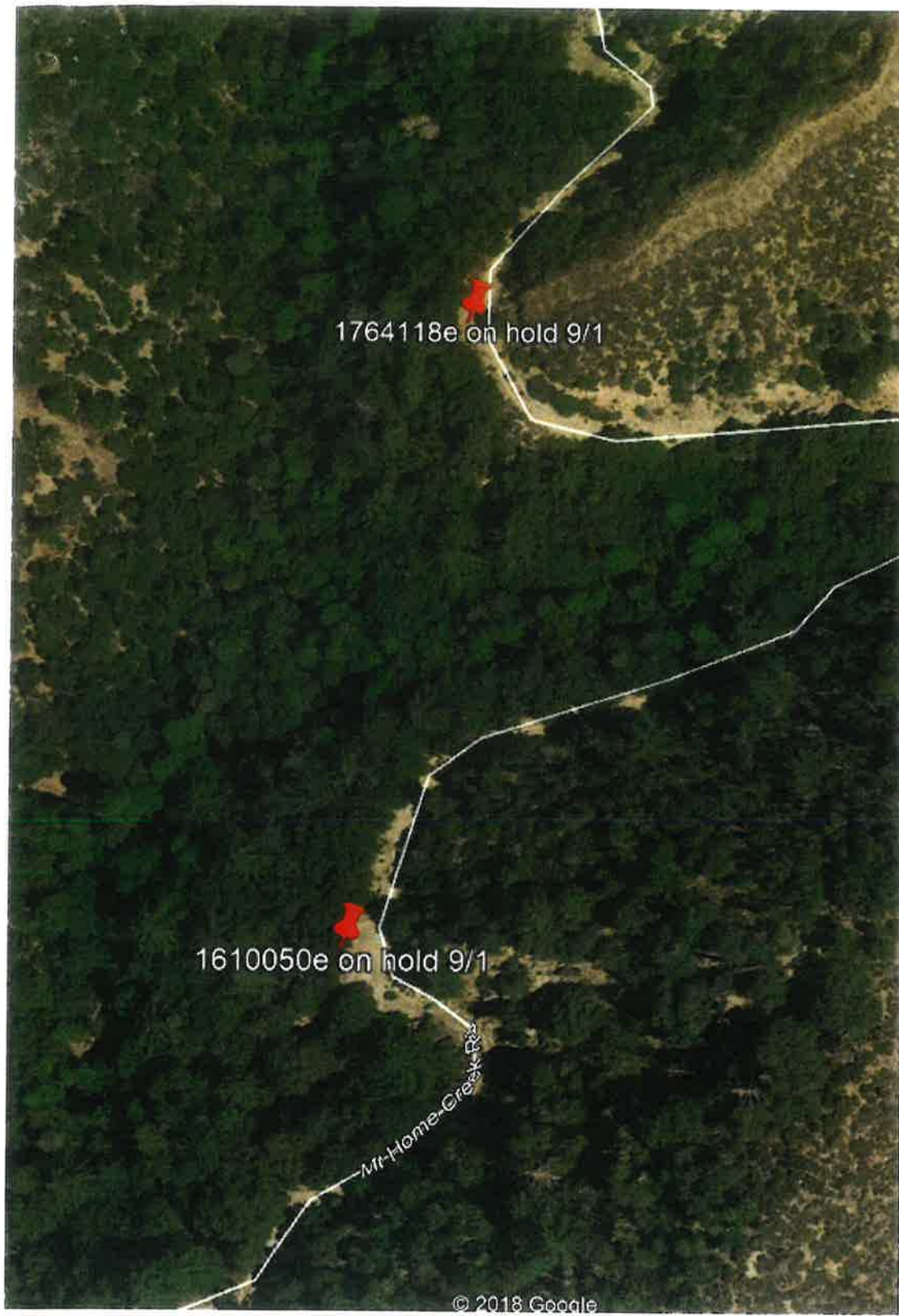
IN: 1- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV

TIER: 3



NOT TO SCALE

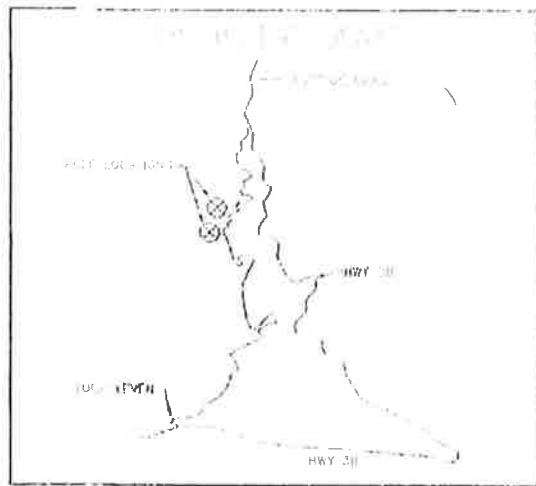
12/5



050E
34 745.25W
116 59 15.79W

12/3 26

118E
34 7 51.39N
116 59 13.06W



PROJECT REQUIREMENTS (YTD)	
GROUND LASEMENT REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10
GROUND BE REQUIRED	10

EX 3/32 D.G. TO BE TRANSFERRED TO NEW POLE (ATTACH @ 37")

EX: 2721205 POLE
(FOR ATTACHING ONLY)

POLE IS 1.2 MILES SOUTH OF GATE
BY GLEN MARTIN WATER CO.
34° 02' 51" N 116° 50' 13" W
ELEVATION = 5180

1 RM 1764118E
45'
RM: 1- POLE 45' CLASS 2 WOOD FULL TREAT
RM: 1- XA DBLE V8 10" STEEL PIN D/A BRKT
RM: 12- INS GLASS/POLY 33KV & LSS

CREW NOTE:
* TRANSFER 3/32" DOWN GUY TO NEW POLE (ATTACH @ 37")

2 POLE 1764118E
45'
RM: 1- POLE 45' CLASS 4 WOOD FULL TREAT
RM: 1- XA DBLE V8 10" STEEL PIN D/A BRKT
RM: 6- INS POLY DE 33KV HUT #4 & 1/0 ACGR
RM: 3- INS POLY W/PN 33KV CLMP #4-653 ACGR
RM: 1- NISC AVIAN HOOD FOR HENDRIX INSUL #4-653

POLE IS 1.5 MILES SOUTH OF GATE
BY GLEN MARTIN WATER CO.
34° 02' 45" N 116° 50' 16" W
ELEVATION = 5040

3 RM 1610050E
45'
RM: 1- POLE 45' CLASS 2 WOOD FULL TREAT
RM: 1- XA DBLE V8 10" STEEL PINS
RM: 3- INS GLASS/POLY 33KV & LSS
RM: 1- AG DOWN GUY 3/32"

RM: 9/32 D.G.
IN: 3/8 D.G. (ATTACH @ 37")

POLE 1610050E
45'
RM: 1- POLE 45' CLASS 4 WOOD FULL TREAT
RM: 1- XA DBLE V8 10" STEEL PIN D/A BRKT
RM: 3- INS POLY SUSP 33KV CLMP W/A GUARD 1/0
RM: 1- AG DOWN GUY 3/8" (ATTACH @ 37")



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PROJECT INFORMATION		PROJECT LOCATION		PROJECT STATUS	
PROJECT NO.	1482305	PROJECT NAME	DEAR VALLEY 33KV	PROJECT TYPE	DEAR VALLEY 33KV
PROJECT DATE	2/20/2009	PROJECT LOCATION	DEAR VALLEY 33KV	PROJECT STATUS	DEAR VALLEY 33KV
PROJECT DESCRIPTION	DEAR VALLEY 33KV				
PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
PROJECT DATE	2/20/2009				
PROJECT DESCRIPTION	DEAR VALLEY 33KV				
PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
PROJECT DATE	2/20/2009				
PROJECT DESCRIPTION	DEAR VALLEY 33KV				
PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
PROJECT DATE	2/20/2009				
PROJECT DESCRIPTION	DEAR VALLEY 33KV				
PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
PROJECT DATE	2/20/2009				
PROJECT DESCRIPTION	DEAR VALLEY 33KV				
PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
PROJECT DATE	2/20/2009				
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PROJECT DESCRIPTION	DEAR VALLEY 33KV				
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PROJECT LOCATION	DEAR VALLEY 33KV				
PROJECT STATUS	DEAR VALLEY 33KV				
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12/5



34 8 53.52N
116 58 44.43W

Dug anytime; ENVIRO CLEARED

*** NOTES:**

HIGH FIRE - TIER 3

EAGLE ZONE

ENVIRO POLE - WOODPECKER/FOREST AREA

FEDERAL LAND-UNITED STATES FOREST SERVICE

BULLETIN 322 AREA

JOINT POLE

TRUCK ACCESS

RIGHTS CHECK REQ'D-SAN BERNARDINO NATIONAL FOREST

TR: 3/C 4B(NE), 3/C 1/OA(SW)-33KV

TR: 1-ALDUTI-RUPTER SWITCH-33KV (PS0521)

TR: 2/C 4B-4KV

TR: 2/C 2BC, 1-4BC-120V

TR: 1-4AT-120V(NW)

TR: 3-4AT-120V(SVC)

TIME SENSITIVE
5/1/19

ENVIRONMENTAL PACKAGE

MONITOR

TRAINING

NESTING/EAGLE ZONE

PRE-CON SURVEY (ALLOW 2 WEEKS)

SET 1' NORTHEAST

POLE

N: 34° 08' 53.49"
W: 116° 58' 46.49"
ELEVATION: 5830'

4553912E

1

RM

4553912E

- 55' Class C1
RM: 1- POLE 55' CLASS 1 WOOD FULL TREAT
RM: 1- XA DBLE VB 10' STEEL PINS
RM: 1- XA SNGL FB 10' STEEL PINS N/BOND
RM: 1- XA SNGL FB 10' STEEL PINS SECONDARY
RM: 2- INS GLASS & PIN 4KV
RM: 3- INS POLY DE 33KV #4
RM: 3- INS POLY DE 33KV HOT #4 & 1/0 ACSR
RM: 2- SEC ROLLER (166-CLEVIS & SPOOL)
RM: 2- SEC STEEL PIN & INS - PHASE
RM: 1- SEC STEEL PIN & INS - NEUTRAL
RM: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
RM: 1- AG SPAN GUY 9/32" - 200'
RM: 1- SEC 2" PVC FOR UNDER ARM W/#2 TW

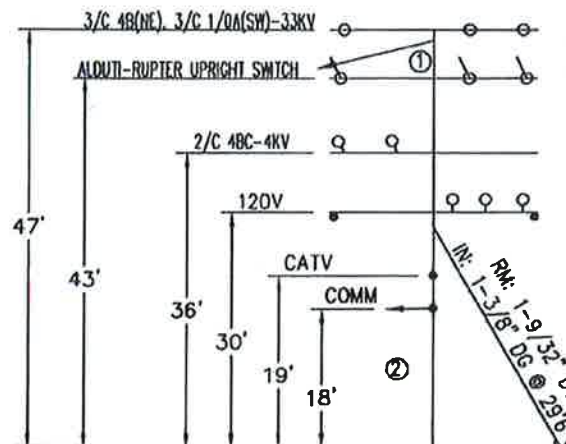
55'

Class C2

- IN: 1- POLE 55' CLASS 2 WOOD FULL TREAT
IN: 1- XA DBLE VB 10' STEEL PINS
IN: 1- XA SNGL VB 10' STEEL PINS N/BOND
IN: 1- XA SNGL FB 10' STEEL PINS SECONDARY
IN: 2- INS POLY W/PIN 12KV CLMP #6-4/0 CU (ANGLE)
IN: 3- INS POLY DE 33KV #4
IN: 3- INS POLY DE 33KV HOT #4 & 1/0 ACSR
IN: 2- SEC ROLLER (166-CLEVIS & SPOOL)
IN: 2- SEC STEEL PIN & INS - PHASE
IN: 1- SEC STEEL PIN & INS - NEUTRAL
IN: 1- AG SPAN GUY 9/32" - 200'
IN: 3- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
IN: 1- AG BLOCK & POLE KEY
IN: 1- AG SIDEWALK GUY
IN: 1- AG ANCHOR ROD 1" X 10' 3-EYE W/PLATE
IN: 1- SEC 1" PVC FOR UNDER ARM W/#8 TW WIRE
IN: 2- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653
IN: 1- ALDUTI. HUGHES ADAPTOR
IN: 6- COPPER COMPRESSION CONNECTOR
MI: 30- CBL 1/0 AL 1-1/C 17KV CLP PJ
IN: 8- COMPRESSION SPLICE

BEAR VALLEY 33KV

CAMP ANGELUS 4KV



- ① RM/IN: 1-9/32" SG #42"6"
② EX: 1-COMM SG

HFIA

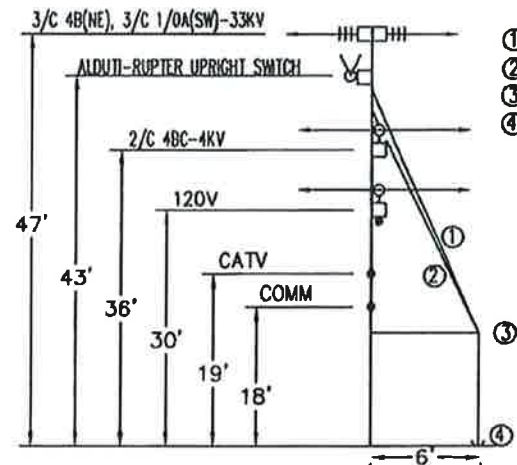
TIER: 3
5/10/19

EX: 1-1" 3 EYE ANC

PROPOSED
L/NE
4553912E

BEAR VALLEY 33KV

CAMP ANGELUS 4KV



- ① IN: 1-3/8" DG #47"
② IN: 1-3/8" DG #46"
③ IN: 1-6" OP @ 15"
④ IN: 1-1" 3 EYE ANC

PROPOSED
L/N
4553912E

ANGLE CALCS

4CU HEAVY LOADING 10' SIDE TENSION = 84
84 X 2 X 36' = 6,048
84 X 1 X 30' = 2,520
2CU HEAVY LOADING 10' SIDE TENSION = 133
133 X 2 X 30' = 7,980
2,520 + 7,980 + 6,048 = 16,548

PROJECT REQUIREMENTS (Y/N)

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

0124: Rev 02/08/18

FRONTAGE RD

4824679E
40

RM/IN: 1-9/32" SG

3/C 1/OA-33KV

3/C 4BC-12KV

3/C 4BC-12KV

2/C 2BC, 1-4BC-120V

2/C 2BC, 1-4BC-120V

2/C 2BC, 1-4BC-120V

2/C 2BC, 1-4BC-120V

2/C 2BC, 1-4BC-120V

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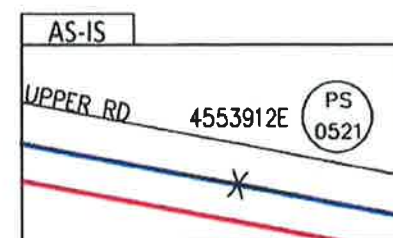
2/C 2BC, 1-4BC-120V

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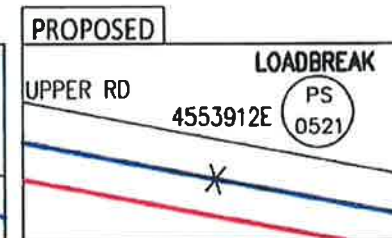
2/C 2BC, 1-4BC-120V



SINGLE LINE LEGEND

BEAR VALLEY 33KV o/o ZANJA SUB

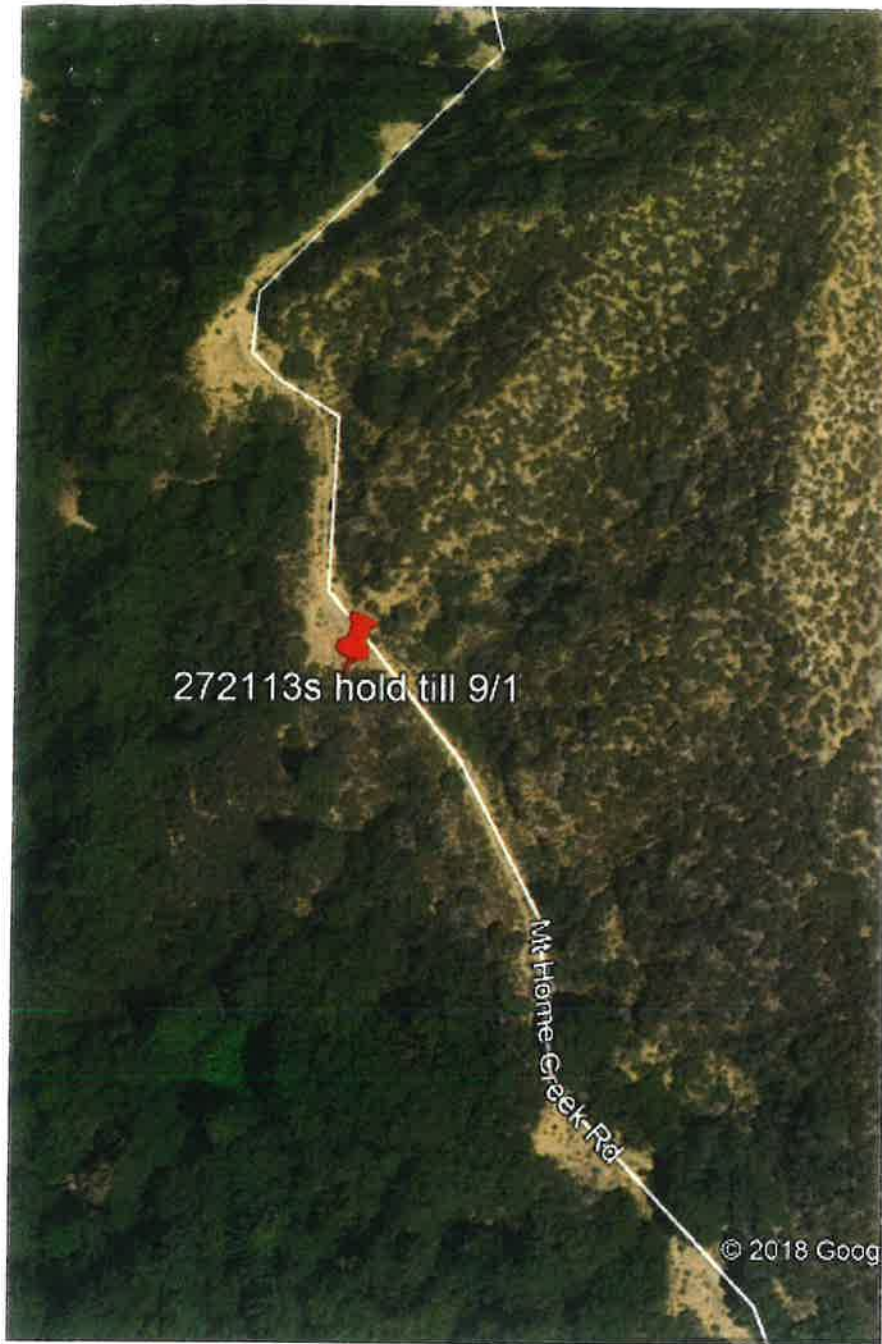
CAMP ANGELUS 2.4KV o/o CAMP ANGELUS P.T. SUB



NOT TO SCALE

DISTRICT 31 - REDLANDS	PROJ. MGR. SANDOVAL, SANDRA PHONE (909) 660-1362	PLANNER HAMPTON TEDDER PHONE (909) 628-1253	DESIGNER HAMPTON TEDDER
PROJECT NO. 1617250	SERVICE REQUEST 2525793	MSR NO. THOMAS GUIDE	PRODUCT-1 1417663-INFRA REPLAC - DET POLE REPLACEMENT
CIRCUIT / VOLTAGE BEAR VALLEY 33KV/ CAMP ANGELUS 2.4KV	SUB / PG NO. ZANJA SUB/CAMP ANGELUS PT SUB	CIRCUIT CODE 01338/02787	PRODUCT-2
INVENTORY MAP 236-2304-2	J.P.A. NO. E6031-409619927	PROPOSED CONSTRUCTION (LOCATION) 4553912E UPPER RD S/S, 358' S/O FRONTAGE RD ANGELUS OAKS, CA	ASSOC DESIGN
DATE 10/31/18	APPROVED BY	CHECKED BY	DRAWN BY
TYPE	DATE	APPROVED BY	CHECKED BY
Southern California Edison Company			
SHEET 1 OF 1		DESIGN/DRWG NO. 1049220_0.01	

12/5

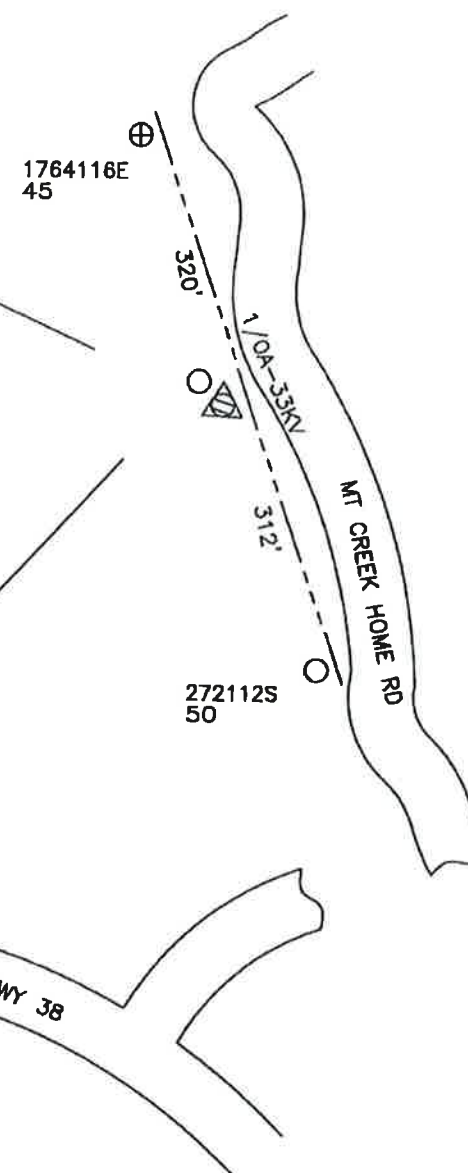
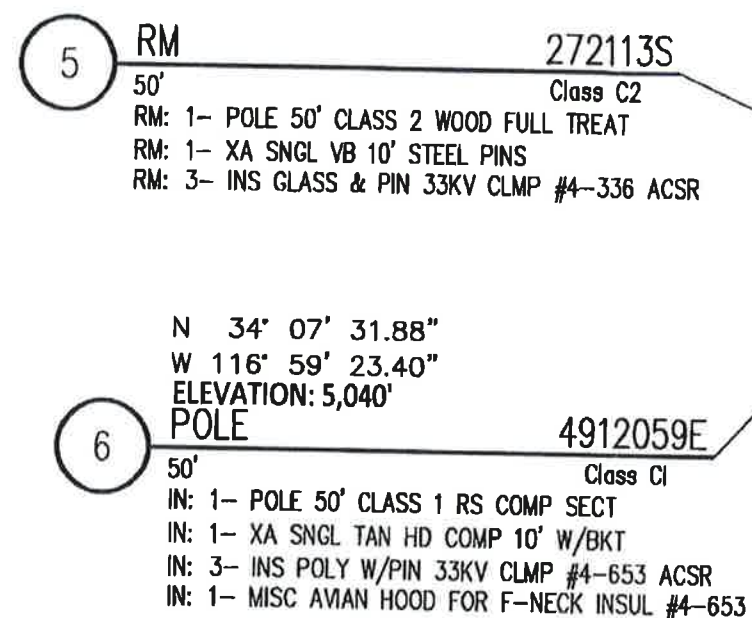
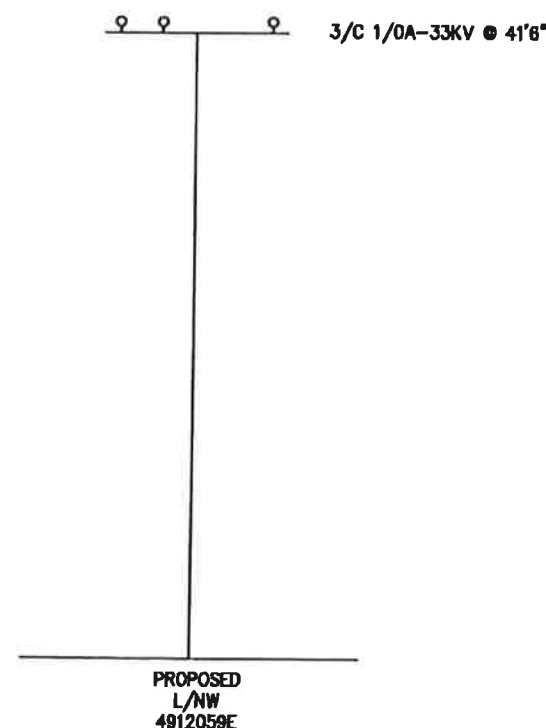


34 7 31.93N
116 59 23.43W

12/3

* NOTES: E-ALL POLE
COMPOSITE POLE
ENVIRO POLE - WOODPECKER DAMAGE & OPEN & WEEDY
HARD ACCESS: OFF HIKING TRAIL, NO VEHICLE ACCESS
BULLETIN 322 AREA
EAGLE ZONE
HAND SET
SET 1' NORTHWEST

TRANSFER (S):
3/C 1/0-33KV



HFIA
TIER: 3
12.31.18

SUP
SPECIAL USE PERMIT

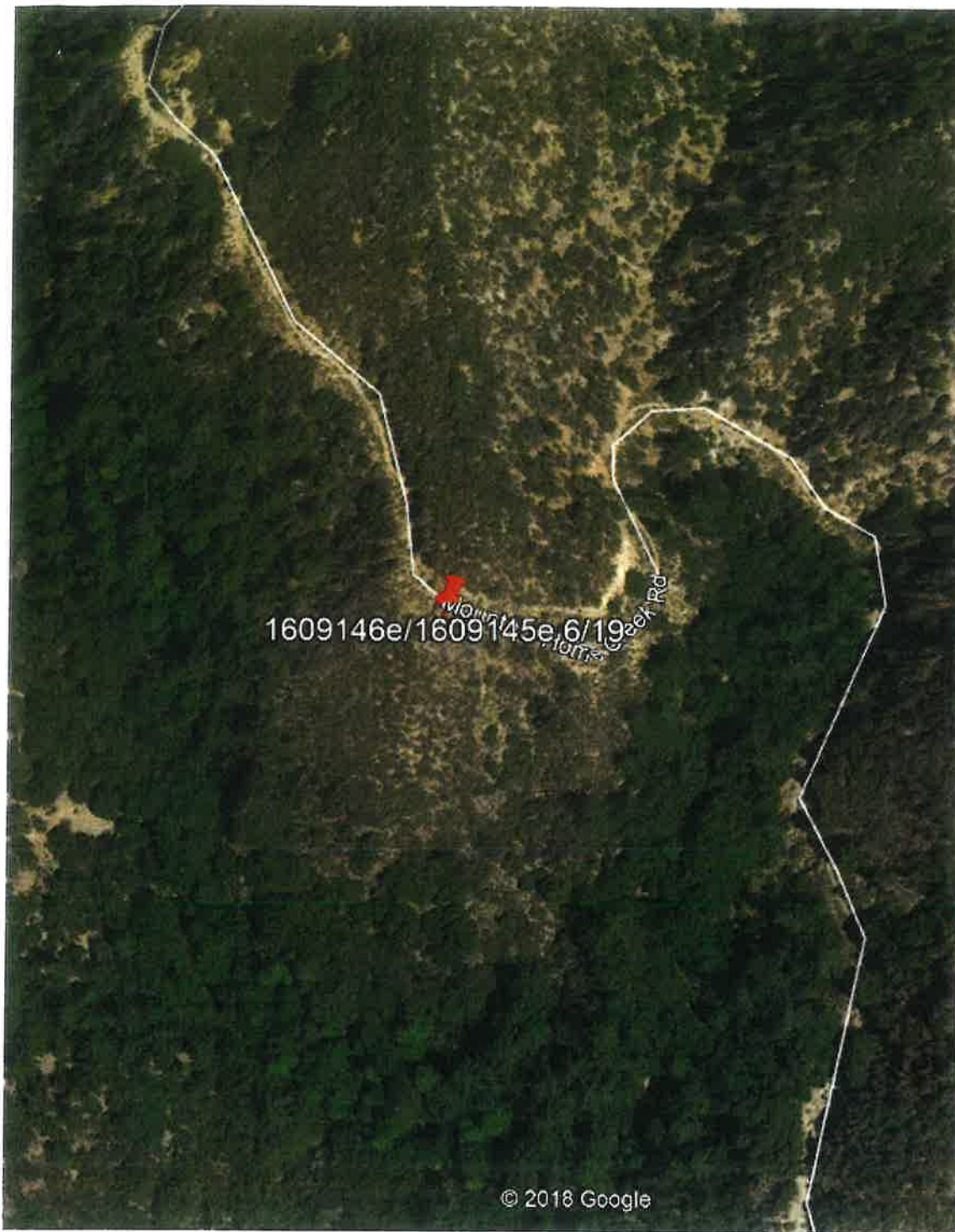


NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	☒
PWRD 88 REQUIRED	☒
PERMIT REQUIRED	☒
PERMIT TYPE:	
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 31 - REDLANDS			PROJ. MGR. LIVINGSTON, JASON PHONE 714-323-9041			PLANNER ASPLUNDH PHONE 714-893-2405			DESIGNER ASPLUNDH		
PROJECT NO. 1483053		SERVICE REQUEST 2396542		MSR NO.		PRODUCT-1 1310088-INFRA REPLAC - DET POLE REPLACEMENT				ASSOC DESG	
CIRCUIT / VOLTAGE BEAR VALLEY 33KV				THOMAS GUIDE		PRODUCT-2				ASSOC DESG	
SUB / PG NO. ZANIA SUB				CIRCUIT CODE		PRODUCT-3				ASSOC DESG	
INVENTORY MAP 228-2304-2			J.P.A. NO.			PROPOSED CONSTRUCTION (LOCATION) POLE # 212113S MT CREEK HOME RD W/S 9080' W/O HWY 38 ANGELUS OAKS, CA					
						ASP					
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET			DESIGN\DRWG NO.		
Southern California Edison Company						OF			960832 0.01		

12/5



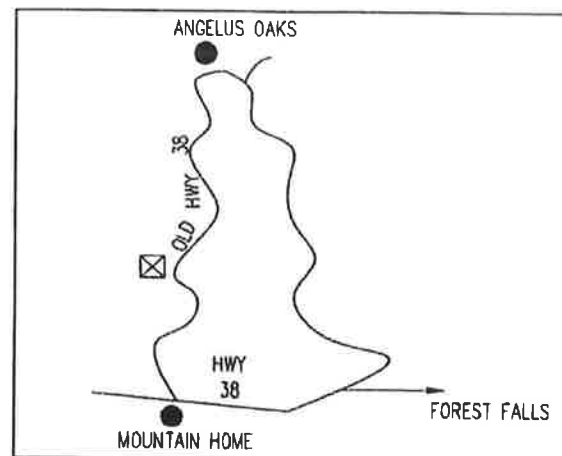
146E/145E (2 poles)

34 7 3.51 N

116 59 13.75 W

12/2

VICINITY MAP



2 POLE 1609146E
40' Class H2
IN: 1- POLE 40' CLASS H2 WOOD FULL TREAT
IN: 1- XA DBLE ALLEY ARM 16' W/BRC
IN: 2- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
IN: 6- INS POLY DE 33KV HOT #4 & 1/0 ACSR

1 RM 1609146E
40' Class C4
RM: 1- POLE 40' CLASS 4 WOOD FULL TREAT
RM: 2- XA DBLE ALLEY ARM 16' W/BRC
RM: 8- INS GLASS/POLY 35KV & LESS
RM: 2- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV

POLE 1609145E 4
40' Class H2
IN: 1- POLE 40' CLASS H2 WOOD FULL TREAT
IN: 2- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
IN: 2- INS POLY W/PIN 33KV CLMP #4-653 ACSR
IN: 1- INS POLY SUSP 33KV CLMP W/L-GUARD 1/0
IN: 30- CD 1/0 STR AL BARE ACSR NON-GREASED

RM 1609145E 3
40' Class C4
RM: 1- POLE 40' CLASS 4 WOOD FULL TREAT
RM: 2- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV

RM: 2-9/32" DOWN GUYS
IN: 2-3/8" DOWN GUYS

RM: 2-9/32" DOWN GUYS
IN: 2-3/8" DOWN GUYS

EX. 3/C 1/0A-33KV

- CREW NOTES:
- TRAMP POLE, RE-BUILD AS SEEN IN FIELD.
 - HELICOPTER SET
 - HAND DIG POLE HOLES N/O EXISTING STRUCTURES.
 - DOWN GUYS TO RE-USE EX. ANCHORS.
 - POLE IS 3 MILES S/O GATE IN ANGELUS OAKS, OR 2.5 MILES N/O LOCH LEVEN CONFERENCE CENTER.
 - 34° 7' 3.48" N 116° 59' 13.88" W

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☐

PWRD 88 REQUIRED ☒

PERMIT REQUIRED ☒

PERMIT TYPE: FORESTRY

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 ☐



NOT TO SCALE

UNDERGROUND SERVICE ALERT

Dial 811

Call USA

For Underground Locating
2 Working Days Before You Dig

DISTRICT 31 - REDLANDS		PROJ. MGR. SANDOVAL, SANDRA PHONE 909-660-1362		PLANNER DENT, MICHAEL PHONE 909-307-6874		DESIGNER L. ADAMS	
PROJECT NO. 1508205	SERVICE REQUEST 2420024	MSR NO. N/A	PRODUCT-1 1329458-INFRA REPLAC - DET POLE REPLACEMENT		ASSOC DESGN		
CIRCUIT / VOLTAGE BEAR VALLEY 33KV		THOMAS GUIDE		PRODUCT-2		ASSOC DESGN	
SUB / PG NO. ZANJA		CIRCUIT CODE		PRODUCT-3		ASSOC DESGN	
INVENTORY MAP 224-2304-2		J.P.A. NO. E6031-408970837		PROPOSED CONSTRUCTION (LOCATION) DET POLE REPLACEMENT STR 1609145E 2.5 MILES N/O LOCH LEVEN CONFR MOUNTAIN HOME/ANGELUS OAKS NOTIFICATION #408761203			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET 1 OF 1	DESIGN/DRWG NO. 977060_0.01

Southern California Edison Company