

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: *Crestline / Green Valley*

☐ SAFETY BRIEF SIGN IN

10-8-2019

☐ GHI CREW INTRODUCTION

☐ IS A TRANSLATOR REQUIRED

(7) pole Heaviest 2400LBS

☐ WORK STOP AUTHORITY

TD1479005

☐ DESIGNATE A 911 CALLER

NON-CAP

Concrete LZ

☐ 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: 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



SOUTHERN CALIFORNIA
EDISON

An EDISON INTERNATIONAL Company

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:*	Gabriel Trevino
Department:*	Arrowhead EOI LDY Yard
Pax:*	714-788-0864
Cell Number:*	714-788-0864
Email Address:*	GABRIEL.A.TREVINO@SCE.COM

SAP Accounting Number*	TD1479005
-------------------------------	-----------

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):

Installing Pole #X15235E/4903057E 45' Wood Pole Class H2 2,744lbs

Installing Pole #X15236/4903058E 45' Wood Pole Class C1 2,230lbs

Installing Pole #X15237E/4903059E 45' Wood Pole Class H1 2,468lbs see email

General Operating Location	S/L SEC 15 2100' S T2N R4W 325' W/O OLD MILL RD CRESTLINE
District	40
LZ Coordinates (if known)	34*16.3369 -117*16.9686
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	08/27/2019
Time of Pick-up	07:30am
Approx. mission duration (if known)	12 hours
Back-up date for mission (if known)	

Authorizer	Scot Stueland
Authorizer PAX and cell number	951-288-5773

**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 #: TD 1479005
ADDRESS: DEEP CREEK CAMP ROAD : CRESTLINE CA
LZ STAGING AREA_LATITUDE 34°15'1.30"N LONGITUDE 117° 8'13.20"W ELEV 5500 FT
POLE 4903057E_LATITUDE 34°14'37.47"N LONGITUDE 117° 8'24.87"W 45 H2 WOOD 2400 LBS
POLE 4903058E_LATITUDE 34°14'35.73"N LONGITUDE 117° 8'24.15"W 45 CL 1 COMP1200 LBS
POLE 4903059E_LATITUDE 34°14'34.48"N LONGITUDE 117° 8'23.45"W 45 H1 WOOD 2200 LBS
POLE 4903060E_LATITUDE 34°14'32.67"N LONGITUDE 117° 8'22.62"W H2 WOOD 2400 LBS
POLE 4903061E_LATITUDE 34°14'29.01"N LONGITUDE 117° 8'20.84"W 45 H1 WOOD 2200 LBS
POLE 4903055E_LATITUDE 34°14'27.45"N LONGITUDE 117° 8'20.12"W 45 CL 1 COMP1200 LBS
POLE 4903056E_LATITUDE 34°14'24.02"N LONGITUDE 117° 8'18.45"W 45 CL 1 COMP1200 LBS
CONTRACTOR'S NAME: GREG OWENS PHONE#: 310-968-6148
CONTACT AT SITE; GABRIEL TREVINO PHONE#: 714-788-0864
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: (1) 50 FT CL 2 2500 LS (1) 45 CL 1 2200 BLS CLASS OF LOAD: EXTERNAL CL B
MAX 2500 LBS NO. OF LIFTS: 2 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
10-8-2019	SUNRISE	SUNSET	8-23-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
TWIN PEAKS POLICE	909-336-0600	WATCH COMMANDER	NOTIFY
LA COUNTY FIRE	626-797-0379	STATION 11	NOTIFY



SECTION 7

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

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

Evacuation

☒ No Evacuated Structures

☐ Evacuated Structures

Crowd Control

☒ Operator

☒ Contractor

Street Closure

☒ Yes ☐ No

☒ Contractor

☐ Operator

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	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	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.

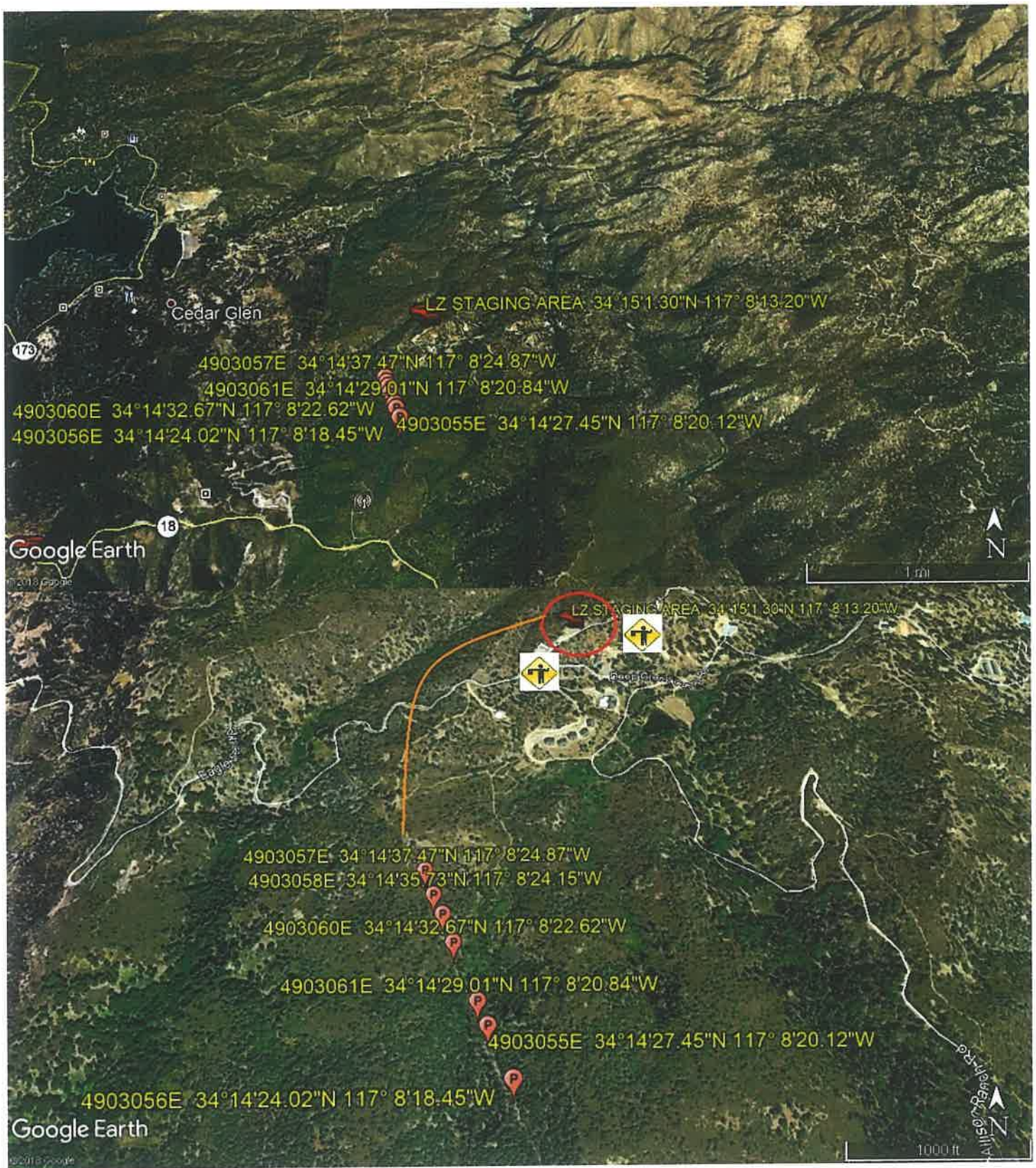
SITE INSPECTION NOTES

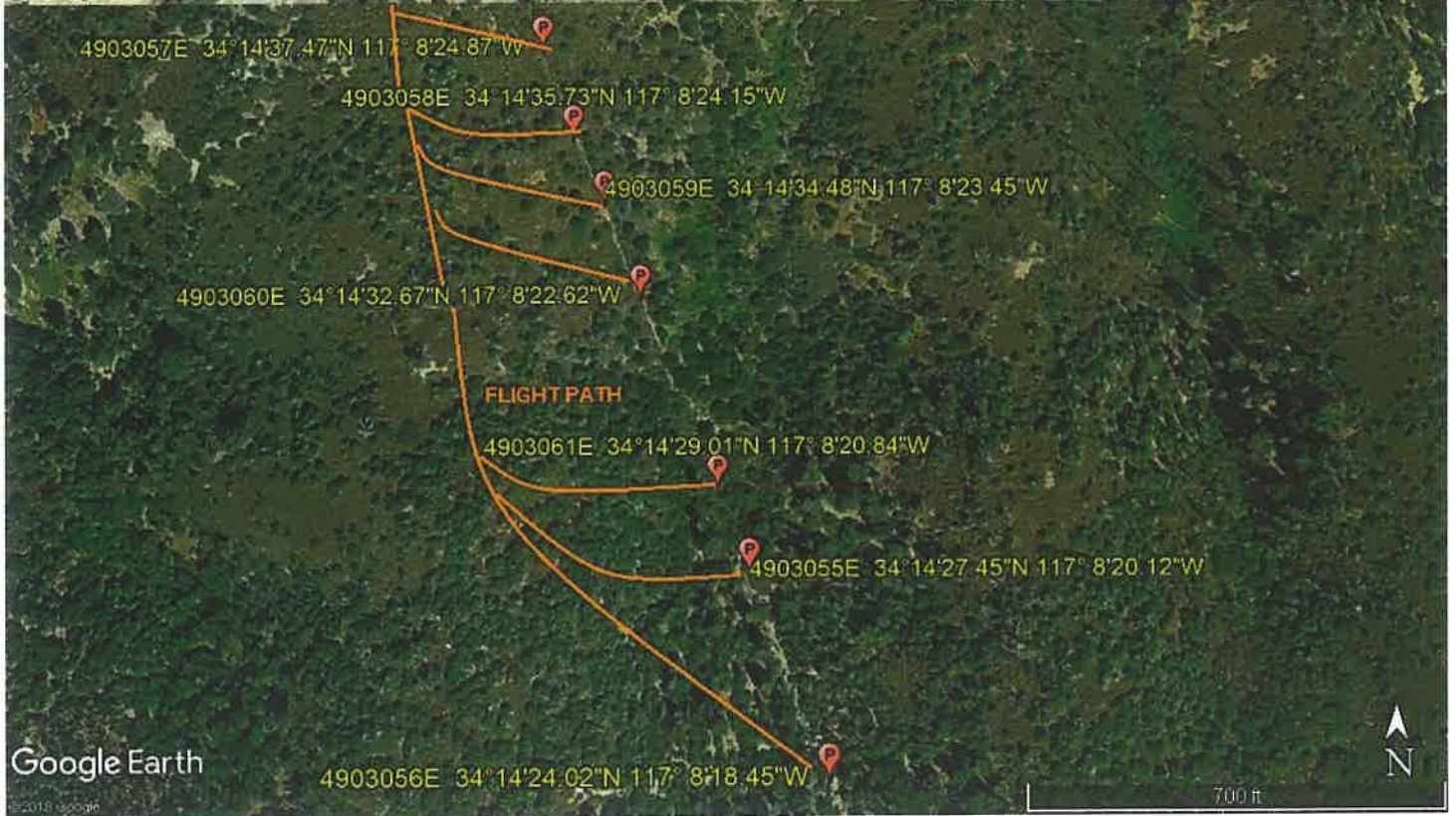
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE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

1. HELICOPTER WILL LAND IN THE LANDING ZONE TO CONDUCT A TAILBOARD AND FOR ALL FUELING OPERATIONS.
2. PRIOR TO COMMENCING OPERATIONS PILOT WILL FLY A RECON FLIGHT
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
- 4 NO HOMES OR BUILDINGS WILL REQUIRE EVACAUTION
5. WATER TRUCK NOT REQUIRED
6. FLAGMAN WILL STOP TRAFFIC WILL BE PROVIDED NEAR THE LZ SEE DIAGRAM
7. POLES WILL BE STAGED AT THE STAGING AREA
8. PLEASE TRIM TREES IF REQUIRED

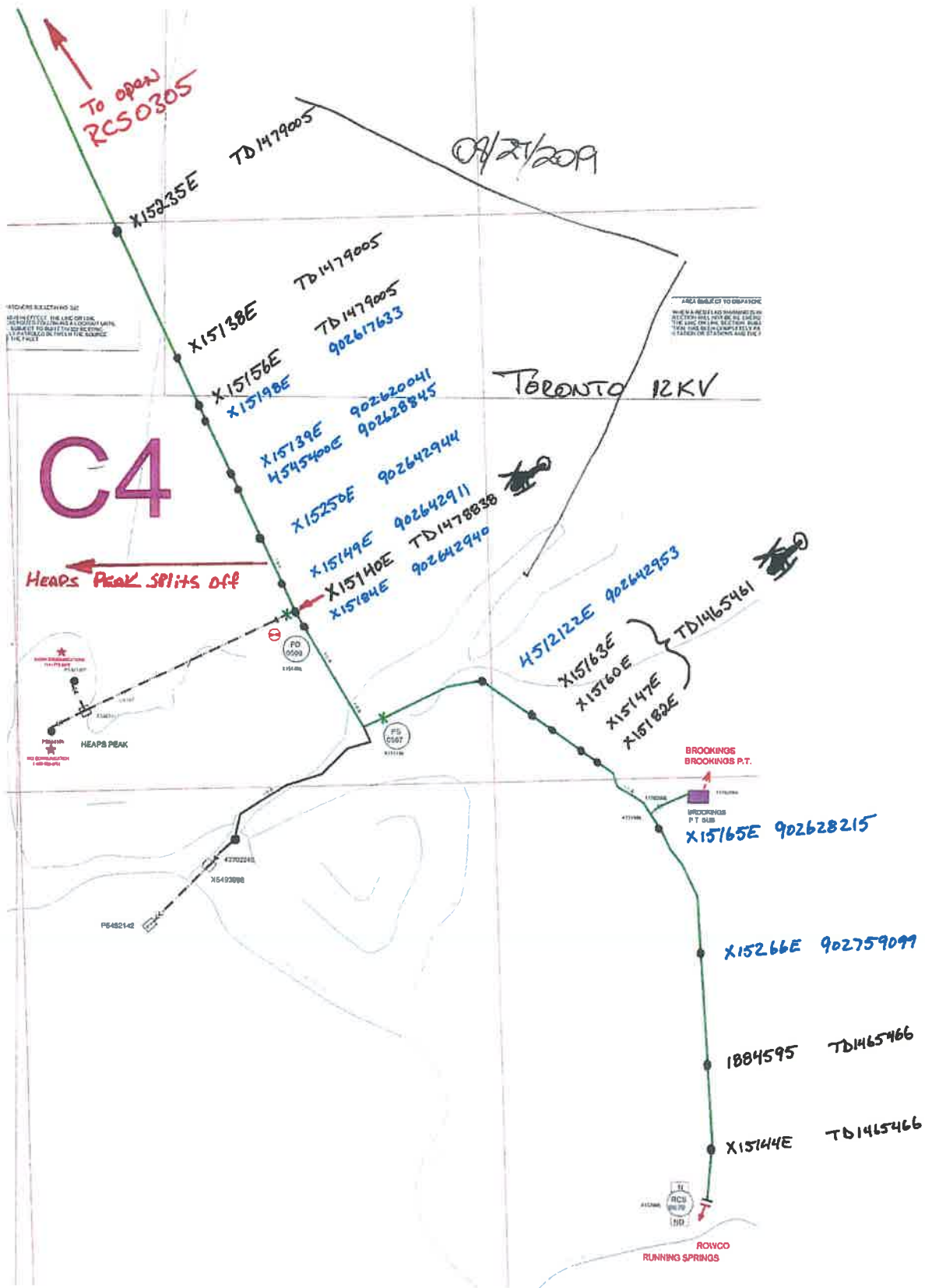




10-1-2019
DATE OF SUBMISSION

Jeffrey M. Jentura

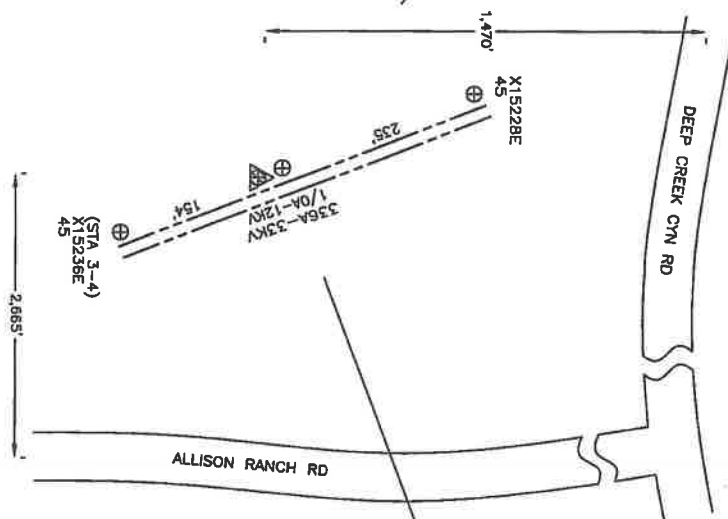
COMPANY OFFICIAL / TITLE



* NOTES: JOINT POLE
 ENVIRO POLE - OPEN & WEEDY AREA
 BULLETIN 322 AREA
 EAGLE ZONE
 HAND SET
 SET 1' NORTH

1 RM 45' X15235E
 Class C4
 RM: 1- RM POLE 45' CLASS 4 WOOD FULL TREAT •
 RM: 1- XA SNG. VB 10' STEEL PINS
 RM: 1- XA SNG. FB 10' STEEL PINS
 RM: 3- INS GLASS & PIN 33KV TIE TOP 336 ACSR
 RM: 3- INS POLY W/PIN 12KV CLAMP #4-653 ACSR

TRANSFER (S):
 3/C 336A-33KV (CRAB 33KV) @ 376"
 3/C 1/0A-12KV (TORONTO 12KV) @ 316"



2 45' PLE 45' CLASS H2 WOOD FULL TREAT •
 IN: 2- XA DBL HD TAN COMP 10'
 IN: 6- NS POLY W/PIN 33KV CLAMP #4-653 ACSR
 IN: 6- NS POLY W/PIN 12KV CLAMP #4-653 ACSR
 IN: 4- MISC AMAN HOOD FOR HENDRIX INSUL #4-653



NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
DESIGN EXEMPT REQUIRED	☐
PERM REQUIRED	☐
USE ONE ONLY WORK ORDER	☐
PERMIT REQUIRED	☐
PERMIT TYPE	☐
OUTAGE REQUIRED	☐
OUTAGE DATE	TIME
TRAFFIC CONTROL REQUIRED	☐
RED TRAFFIC CONTROL REQD	☐
CONVEYANCE LETTER REQD	☐
ENVIRONMENTAL CLEARANCE REQD	☐
CD 140 (TUL) REQD	☐

DISTRICT		PROJ. MGR. ANTILLO, FELIPE		PLANNER ASP		DESIGNER	
40 - ARROWHEAD	SERVICE REQUEST	PHONE 509-644-6430	USER NO.	PRODUCT-1	PHONE 714-893-2405	ASP	ASSOC DESIGN
1694973	2501364			1-79005 - INFRA REPLAC - DET POLE REPLACEMENT			ASSOC DESIGN
CIRCUIT / VOLTAGE	THOUSANDS GUIDE			PRODUCT-2			ASSOC DESIGN
CRAB 33KV / TORONTO 12KV				PRODUCT-3			ASSOC DESIGN
SUB / PG NO.	CIRCUIT CODE						
ARROWHEAD SUB / CANADIAN SUB							
INVENTORY MAP 270-2259-1	U.P.A. NO. 40935537						
PROPOSED CONSTRUCTION (LOCATION)				X15235E			
1,470' S/O DEEP CREEK CAMP RD, 2,665' W/O ALLISON RANCH RD				ARROWHEAD, CA			
DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAY #	SHEET	DESIGNING NO.	1096996 0.01

Southern California Edison Company

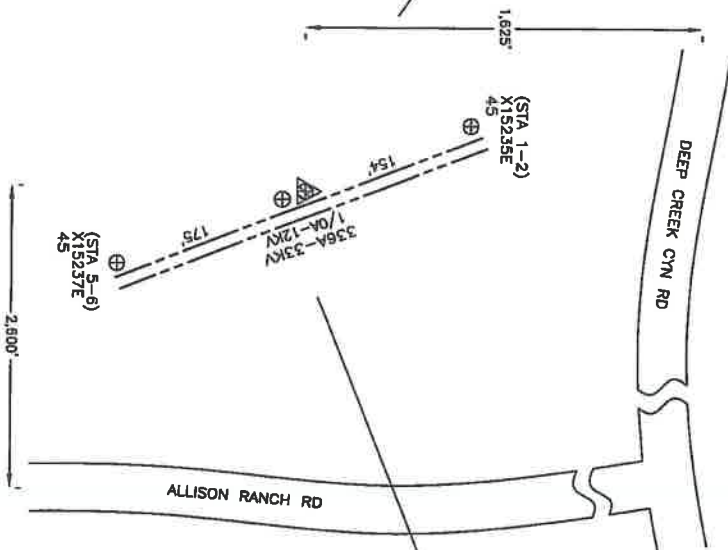
- * NOTES: JOINT POLE
COMPOSITE POLE
ENVIRO POLE - OPEN & WEEDY AREA
BULLETIN 322 AREA
EAGLE ZONE
HAND SET
SET 1' SOUTH
REMOVE BUDDY POLE

3 RM
45'
X15236E
Class C4
RM: 1- RM POLE 45' CLASS 4 WOOD FULL TREAT
RM: 1- XA SING. FB 8' STEEL PINS
RM: 1- XA SING. FB 10' STEEL PINS
RM: 3- INS GLASS & PIN 33KV TIE TOP 336 ACSR
RM: 3- INS POLY W/PIN 12KV CLAMP #4-653 ACSR

TRANSFER (S):

3/C 336A-33KV (CRAB 33KV) @ 37'6"
3/C 1/0A-12KV (TORONTO 12KV) @ 31'6"

SECTIONAL COMPOSITE



45' RM
N: 1- POLE 45' CLASS 1 NS COMP SEC POLE
IN: 1- XA DBL HD TAN COMP 10'
IN: 1- XA SING. TAN HD COMP 10' W/BKT
IN: 6- INS POLY W/PIN 33KV CLAMP #4-653 ACSR
IN: 3- INS POLY W/PIN 12KV CLAMP #4-653 ACSR
IN: 3- MISC AWAY HOOD FOR HENDRIX INSUL #4-653

45' RM
N 34° 14' 36.08"
W 117° 08' 24.24"
ELEVATION: 5,785'

4903058E

TD14160439

1125698E

TD1447380

1153153E

1153154E

TD1405332

1100395E

1100394E

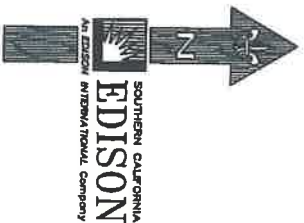
TD1416329

1100397E

PROJECT REQUIREMENTS (Y/N)

DESIGN ELEMENT REQUIRED	Y	N
PERM REQUIRED	Y	N
UP ORN. ONLY WORK ORDER	Y	N
PERMIT REQUIRED	Y	N
OUTLINE REQUIRED	Y	N
TRAFFIC CONTROL REQUIRED	Y	N
POD TRAFFIC CONTROL REQD	Y	N
CONVEYANCE LETTER REQD	Y	N
ENVIRONMENTAL CLEARANCE REQD	Y	N
CSO 140 (U/L) REQD	Y	N

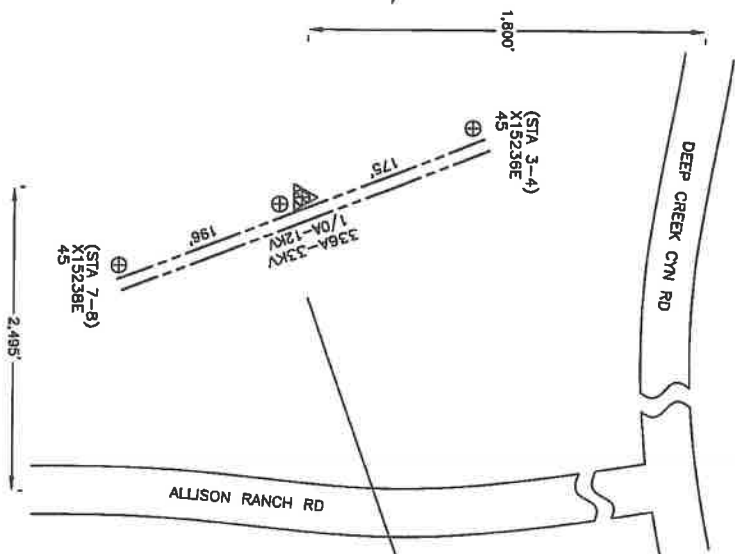
DISTRICT	40 - ARROWHEAD	PROJECT NO.	1694973	SERVICE REQUEST	2601364	LAST NO.	1479005	INFRRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN
CIRCUIT / VOLTAGE	CRAB 33KV / TORONTO 12KV	THOMAS GAUGE	PRODUCT-2	PRODUCT-3	PRODUCT-3	INVENTORY MAP	270-2259-1	APR. NO.	409935537
DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DATE NO.	1096996	0.01	



NOT TO SCALE

RM **M15237E**
Class C4
5
45°
RM: 1- RM POLE 45° CLASS 4 WOOD FULL TREAT
RM: 1- 1A SWGL PB 8" STEEL PINS
RM: 1- 1A SWGL PB 10" STEEL PINS
RM: 3- NS GLASS & PIN 33KV IIE TOP 336 ACSP
RM: 3- NS GLASS & PIN 12KV

TRANSFER(S):
3/C 336A-33KV (CRAB 33KV) @ 37'6"
3/C 1/0A-12KV (TORONTO 12KV) @ 31'6"



N 34° 14' 34.48"
W 117° 08' 23.45"
ELEVATION: 5,778'
POLE
4903059E
Class HI
45'
N: 1- POLE 45' CLASS HI WOOD FULL TREAT
N: 1- YA DEL HD TAN CLAMP 10'
N: 1- YA SNG TAN HD CLAMP 10' W/BRT
N: 6- INS POLY W/PIN 33KV CLAMP #4-653 ACSR
N: 3- INS POLY W/PIN 12KV CLAMP #4-653 ACSR
N: 3- MISC AVIAN HOOD FOR HENDRIX INSUL #4-653

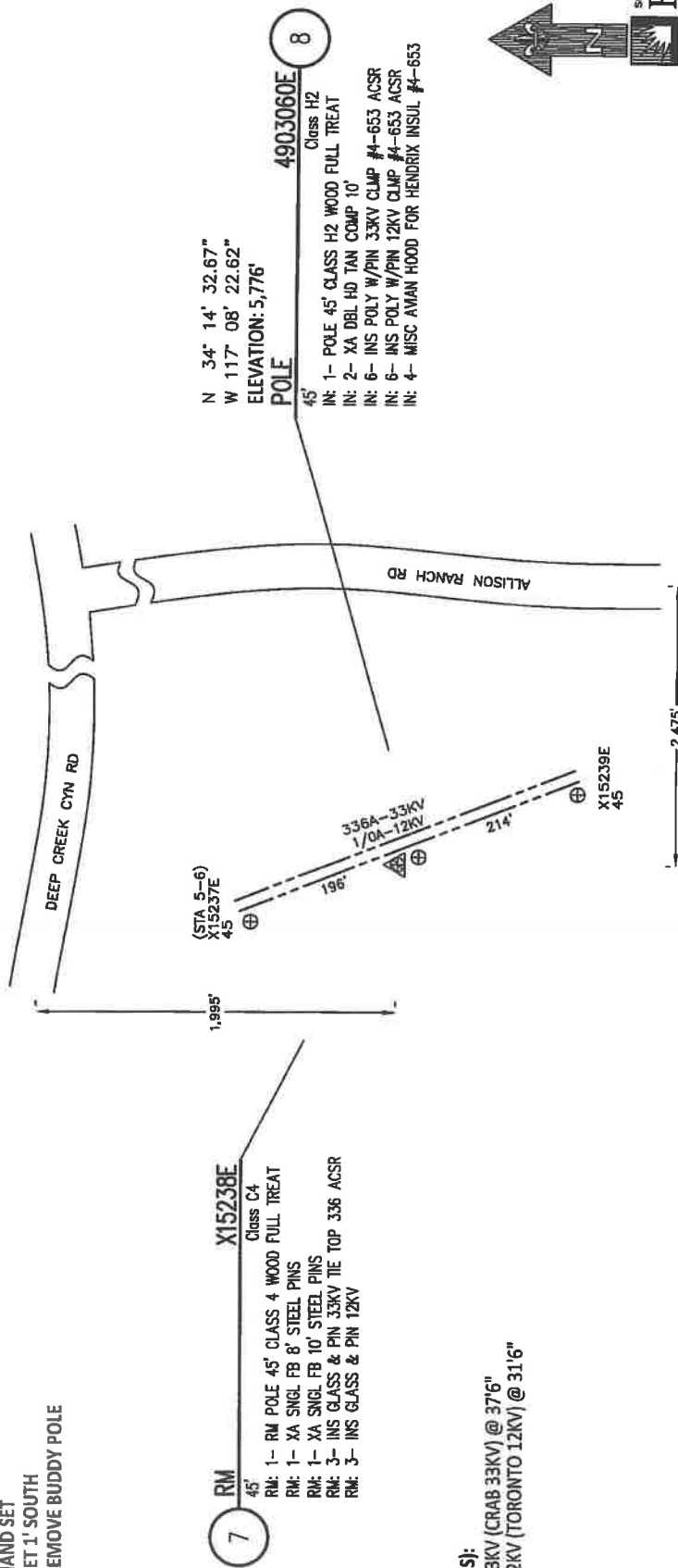
PROJECT REQUIREMENTS (VAL)	
DESIGN EVALUATION REQUIRED	☐
PERIOD OF RECORD	☐
USE ONLY ONLY WORK ORDER	☐
PERMIT REQUIRED	☐
PERMIT TYPE	
DURATION REQUIRED	☐
CONTRACT DATE	
TRAFFIC CONTROL REQUIRED	☐
FED. TRAFFIC CONTROL REQ'D	☐
CONFORMANCE LETTER REQ'D	☐
ENVIRONMENTAL CLEARANCE REQ'D	☐
CSO 140 (TIA) REQ'D	☐

DISTRICT	40 - ARROWHEAD	PROD. INFO. ANTILLO, TELPE	PLANNER ASP	DESIGNER ASP
PROJECT NO.	SERVICE REQUEST	USER NO.	PHONE 714-883-2405	
15948973	2601354			
CREDIT / VOLTAGE		PRODUCT-1		ASSOC DESIGN
CRAB 35KV / TORONTO 12KV	THOMAS GUIDE	1479005 - INTRA REPLAC - DET POLE REPLACEMENT		ASSOC DESIGN
SUB / PG NO.		PRODUCT-2		ASSOC DESIGN
ARROWHEAD SUB / CANADIAN SUB	CREDIT CODE	PRODUCT-3		ASSOC DESIGN
INVENTORY MAP 270-2259-1	J.P.A. NO. 409835537			
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY
				ASP
Southern California Edison Company				
SHEET			DESIGN/DRAWING NO.	
			05	1096996.0.01



NOT TO SCALE

* NOTES: JOINT POLE
 ENVIRO POLE - OPEN & WEEDY AREA
 BULLETIN 322 AREA
 EAGLE ZONE
 HAND SET
 SET 1' SOUTH
 REMOVE BUDDY POLE



TRANSFER (S):
 3/C 336A-33KV (CRAB 33KV) @ 376"
 3/C 1/0A-12KV (TORONTO 12KV) @ 316"



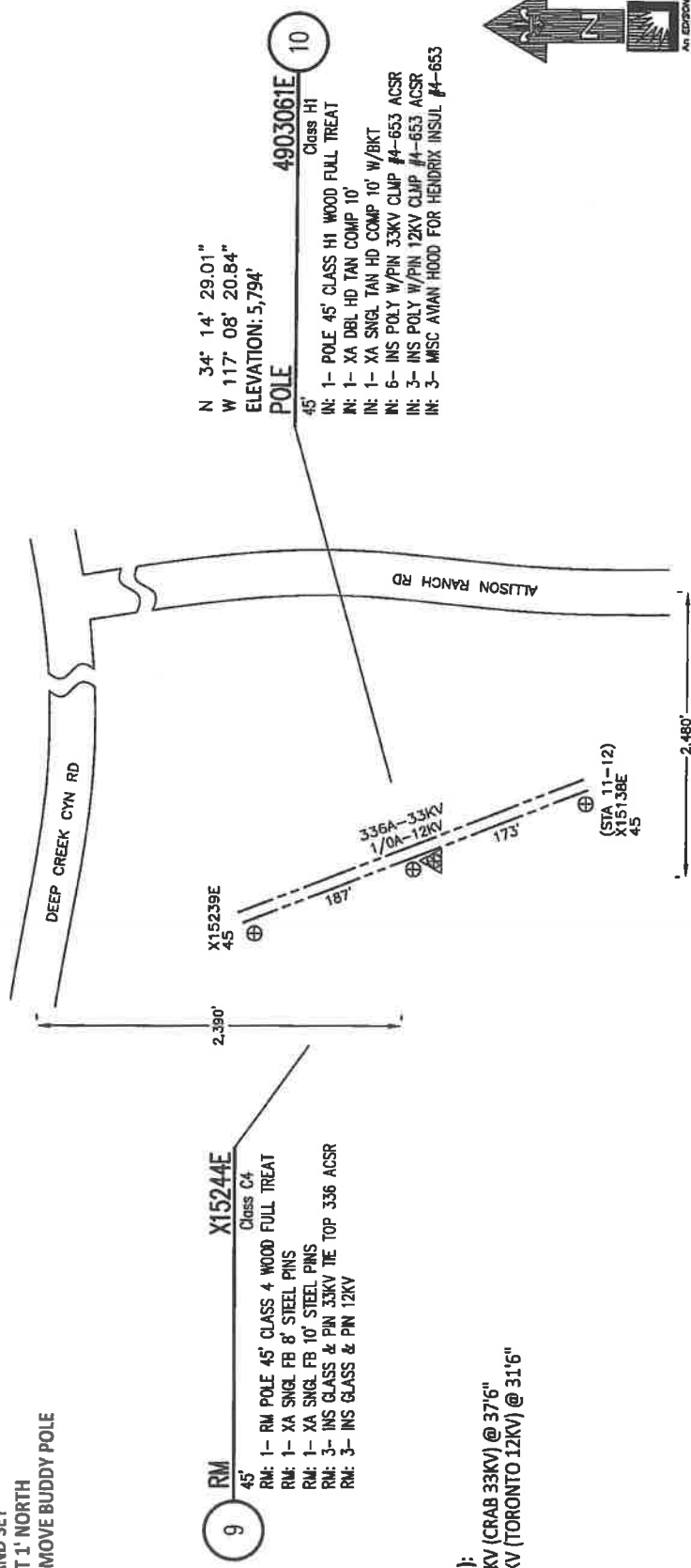
NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)	
EDISON EXHAUST REQUIRED	☒
PERM AS REQUIRED	☒
LOG ONE ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
PRIME TYPE	
OUTAGE DATE	TIME
TRAFFIC CONTROL REQUIRED	☒
PEL TRAFFIC CONTROL REQD	☒
CONVEYANCE LETTER REQD	☒
ENVIRONMENTAL CLEARANCE REQD	☒
CSD 140 (RM) REQD	☒

DISTRICT	40 - ARROWHEAD	PROJ MGR	ANTILLON, FELPE	PLANNER	ASP	DESIGNER	ASP
PROJECT NO.	1694973	SERVICE REQUEST	2601364	PHONE	714-693-2405		
CIRCUIT / VOLTAGE	CRAB 33KV / TORONTO 12KV	USER NO.		PRODUCT-1			
SUB / PG NO.	ARROWHEAD SUB / CANADIAN SUB	THOMAS GUIDE		PRODUCT-2			
INVENTORY MAP	270-2259-1	CIRCUIT CODE		PRODUCT-3			
APP.A. NO.	409935537						
PROPOSED CONSTRUCTION (LOCATION)							
	X15238E						
	1,995' S/O DEEP CREEK CAMP RD, 2,475' W/O ALLISON RANCH P						
	ARROWHEAD, CA						
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/WORK NO.
							1096996_0.01

1/28/94 02:00:00

* NOTES: JOINT POLE
 ENVIRO POLE - OPEN & WEEDY AREA
 BULLETIN 322 AREA
 EAGLE ZONE
 HAND SET
 SET 1' NORTH
 REMOVE BUDDY POLE



TRANSFER (S):
 3/C 336A-33KV (CRAB 33KV) @ 37'6"
 3/C 1/0A-12KV (TORONTO 12KV) @ 31'6"



NOT TO SCALE

DISTRICT 40 - ARROWHEAD		PROJ. MGR. ANTILLON, FELIPE	PLANNER ASP	DESIGNER ASP
PROJECT NO. 1694873		PHONE 909-644-6430	PHONE 714-983-2405	
DESIGN / SERVICE REQUEST 2601364		MSR NO.	PRODUCT 1479005-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN
CRAB 33KV / TORONTO 12KV		THOMAS GUIDE	PRODUCT-2	ASSOC DESIGN
SUB / PD NO. ARROWHEAD SUB / CANADIAN SUB		CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP 270-2259-1		UP-A. NO. 409935537	PROPOSED CONSTRUCTION (LOCATION) X15244E	
			2,390' S/O DEEP CREEK CAMP RD, 2,480' W/O ALLISON RANCH RD	
			ARROWHEAD, CA	
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY
				ASP
SHEET				DESIGN/DWG NO.
1096996				0.01

Scale: 1"=100'

ENVIRO POLE - OPEN & WEEDY AREA
 BULLETIN 322 AREA
 EAGLE ZONE
 HAND SET
 SET 1' NORTH
 REMOVE BUDDY POLE



SECTIONAL COMPOSITE



NOT TO SCALE

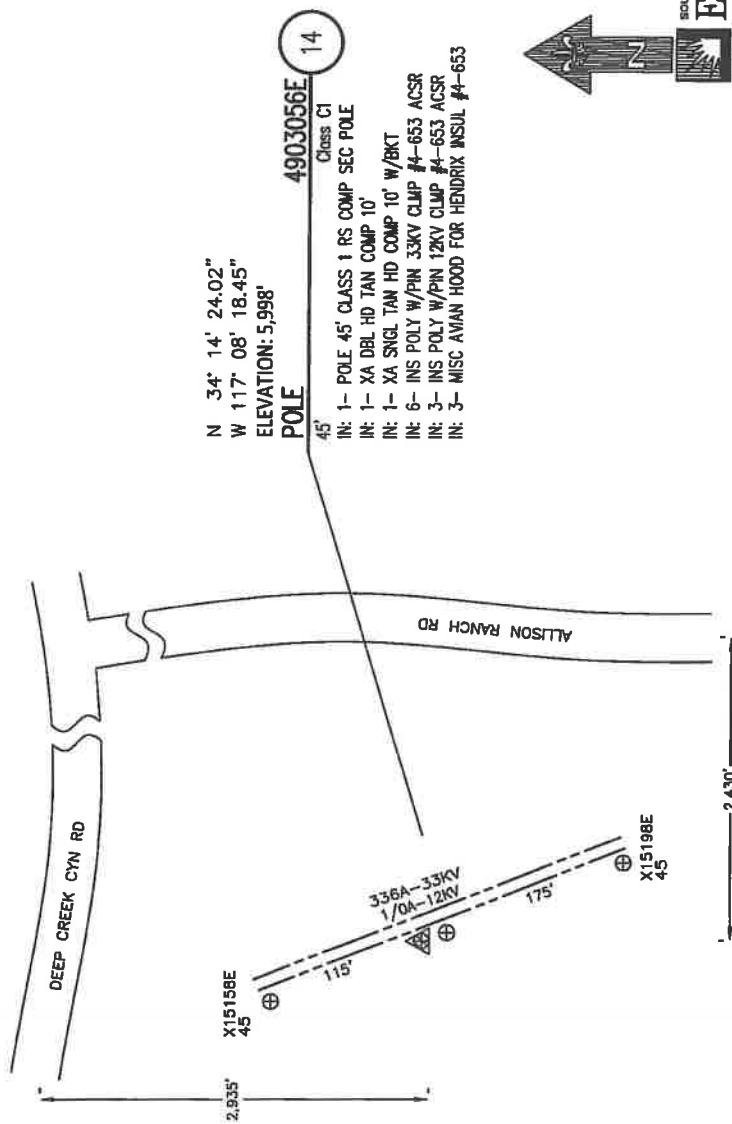
PROJECT REQUIREMENTS (Y/N)	
EXCISE EXISTENT REQUIRED	N
PHOTO AIR REQUIRED	N
US CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE: _____	
OUTAGE DATE	OUTAGE REQUIRED N
TIME _____	
TRAFFIC CONTROL REQUIRED	N
PEL TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSO 140 (714) REQ'D	N

[illegible]

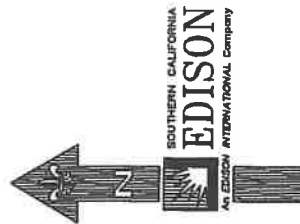
Order No. 100,000,000

RM	13	45'	Class C4	X15156E
RM:	1-	RM POLE 45' CLASS 4 WOOD FULL TREAT		
RM:	1-	XA SNGL FB 8" STEEL PINS		
RM:	1-	XA SNGL FB 10" STEEL PINS		
RM:	3-	INS GLASS & PN 33KV THE TOP 336 ACSR		
RM:	3-	INS GLASS & PN 12KV		

SECTIONAL COMPOSITE



NOT TO SCALE



PROJECT REQUIREMENTS (Y/N)	
PERSON EMPLOYMENT REQUIRED	20
PIPED BY REQUIRED	21
UC CIVIL ONLY WORK ORDER	22
PERMIT REQUIRED	27
PERMIT TYPE:	
OUTLINE REQUIRED	30
OUTLINE DATE:	
TRAFFIC CONTROL REQUIRED	31
FIEL TRAFFIC CONTROL REQ'D	32
CONNECTIONS LETTER REQ'D	33
ENVIRONMENTAL CLEARANCE REQ'D	37
CSO 140 (LUM) REQ'D	38

DISTRICT 40 - ARROWHEAD	PROJ. MGR. ANTILLON, FELIPE PHONE 909-644-6430	PLANNER ASP PHONE 714-893-2405	DESIGNER ASP	ASSOC DESIGN
PROJECT NO. 1694973	SERVICE REQUEST 2601364	PRODUCT-1 1479005-INFRA REPLAC - DET POLE REPLACEMENT	DESIGNER ASP	ASSOC DESIGN
CIRCUIT / VOLTAGE SUB 33KV / TORONTO 12KV	THOMAS GUIDE	PRODUCT-2	DESIGNER ASP	ASSOC DESIGN
CIRCUIT CODE SUB / PG NO. ARROWHEAD SUB / CANADIAN SUB	CIRCUIT CODE	PRODUCT-3	DESIGNER ASP	ASSOC DESIGN
INVENTOR MIP 270-2259-1	J.P.A. NO. 409935537	PROPOSED CONSTRUCTION (LOCATION) X15156E 2935' S/O DEEP CREEK CAMP RD, 2.430' W/O ALLISON RANCH RD ARROWHEAD, CA	DESIGNER ASP	ASSOC DESIGN
DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #
TYPE	DATE	APPROVED BY	CHECKED BY	PAX #
SHEET	DESIGN/WORKING NO.	1096996	001	001

100