

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: *Catalina*

☐ SAFETY BRIEF SIGN IN

2-11-2020

☐ GHI CREW INTRODUCTION

☐ IS A TRANSLATOR REQUIRED

☐ WORK STOP AUTHORITY

☐ DESIGNATE A 911 CALLER

☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES *TD 1262736 TD 1370239*

☐ 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

(1) pole 45 cll Comp. 12000LBS

(2) ext. lead less 1000LBS

Non-cap

Airport in The Sky

Pilot:**Location:****Mission:****Aircraft:**[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



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 #: TD1370239 TD1262736
ADDRESS: AIRPORT IN THE SKY : CATALINA ISLAND CA
LZ STAGING AREA LATITUDE 33°24'7.70"N LONGITUDE 118°25'7.96"W
POLE STAGING AREA LATITUDE 33°22'57.66"N LONGITUDE 118°24'37.91"W
4189085E LATITUDE 33°22'28.00"N LONGITUDE 118°24'21.42"W 45 CL 1 COMP 1000 LBS
MATERIAL DROP OFF LATITUDE 33°21'46.99"N LONGITUDE 118°22'55.23"W 1000 LBS
CONTACT AT SITE: DENNIS MCDONALD PHONE#: 310-510-4323
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #: 2778051
3. 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: (1) ☒ (1) ☒ HEAVIEST 1000 LBS (2) LOADS 1000 LBS CLASS OF LOAD: EXTL CL B
TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON- AERODYNAMIC MAX 1600 LBS
NO. OF LIFTS: 6 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
2-11-2020	SUNRISE	SUNSET	2-5-2020
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
AVALON POLICE DEPARTMENT	310-510-0174	WATCH COMMANDER	NOTIFY
CATALINA FIRE DEPARTMENT	310-510-0203	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
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 AIRPORT IN THE SKY TO CONNECT THE LONGLINE AND CONDUCT A TAILBOARD SAFETY BRIEF
2. THE POLE AND EQUIPMENT WILL BE STAGED AT THE POLE STAGING AREA SOUTH OF AIRPORT
3. NO FUELING
4. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
5. REMOTE NO STREET CLOSURES
6. TWO LOADS OF EQUIPMENT WILL BE PLACED AS CLOSE AS POSSIBLE TO STRUCTURE. REMOTE HOOK REQUIRED NO GROUND CREW.
7. WATER TRUCK NOT REQUIRED
8. REMOTE NO EVACUATIONS
9. THE CONTRACTOR WILL TRIM TREES IF REQUIRED











2-5-2020

DATE OF SUBMISSION

Jeffrey M. Jentura

COMPANY OFFICIAL / TITLE



Air Operation / Air Support Requests

Home Recycle Bin

Flight Request

 SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company		Aircraft Operations Flight Request Form		
If you have any questions, please call Aircraft Operations at : 909-974-4676				
- Requestor Information -			Flight Request ID: FR00167	
Flight Requested by: Dennis McDonald Requester Email: dennis.mcdonald@sce.com Office Number: (310) 510-4323 i.e. (xxx) xxx-xxxx		SAP/TD Accounting No: TD1262736 *Use commas to separate multiple numbers Cell Number: (310) 948-7747 i.e. (xxx) xxx-xxxx		
Department: Distribution				
- General Flight Information -				
General Area: Pump House 2, Catalina Island Pick-up location: 33.382577° / -118.410526° LZ Coordinates (if known): Airport in the Sky 33.404419° / -118.414795° Date for which service is requested: 02/11/2020 ex 01/01/2019 Note: Do not schedule outages until Air Ops has confirmed aircraft availability		District: CATALINA Drop-off location: 33.363093° / -118.381809° Time of Pick-up: 1000		EOI related? No
Approx. mission duration (if known): 1hr		Back-up mission date (if known):		
- Flight Description -				
Please choose a mission type:				
Camera: ☐ HD ☐ IR Crew Support: ☐ External Load: ☒ HEC: ☐ Pole Set: ☐		SCE Passenger(s): ☐ Non-SCE Passenger(s): ☐ Patrol: ☐ Photo: ☐ Heli-Saw: ☐ Recon: ☐ Training: ☐ Line Stringing: ☐		
Approval attachment required. >>>> Proposed Job.kmz Re Flight Request Approval.msg TD1262736.pdf				
Note: Please remove the following characters from the file title before attaching and Zip large files and folders with multiple files: # ~ / \ : * ? " < > % Please attach all Work Order Maps and Photos for Pole Sets				
Note: Please contact us at AirOps@sce.com or 909-974-4676 for any issues.				

Mission Specific Details

This is part two of a two Work Order Day. This is delivering a crate with a Omni switch in it and a bag with construction materials. No one will be at this location so it just needs to be dropped close by the poles.

External Load - Approval must be obtained from:

OU Requesting Manager or OSC

GPS: Location

N_ 33° 21' 46.9"

W_ 118° 22' 55.2"

47.0'

43.0'

EXISTING

1492644E

17

Class 2

RM: 1- SW RM - 600A TILTING INS TYPE (PS062)

SN:

RM: 1- XA DBLE VB 12' STEEL PINS

RM: 3- INS GLASS DE 12KV W/L-GUARD #4

IN: 1- SW OMNI HZ-I RP DE W/12' XA 600A 12KV 3W

SN:

IN: 1- RCS CONTROL ADMO-BR OH 12KV (RCS062)

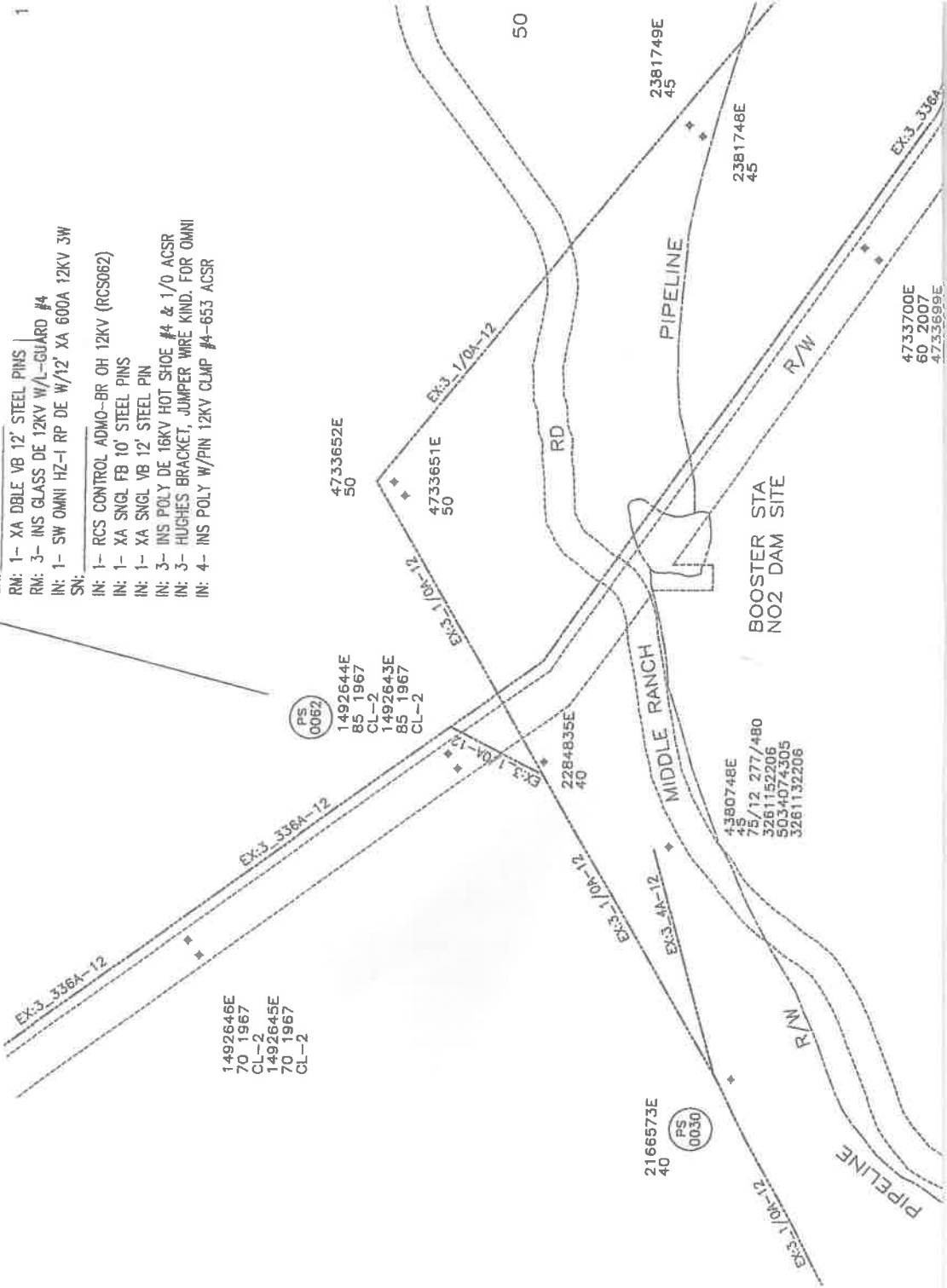
IN: 1- XA SNGL FB 10' STEEL PINS

IN: 1- XA SNGL VB 12' STEEL PIN

IN: 3- INS POLY DE 16KV HOT SHOE #4 & 1/0 ACSR

IN: 3- HUGHES BRACKET, JUMPER WIRE KIND. FOR OMNI

IN: 4- INS POLY W/PIN 12KV CLUMP #4-653 ACSR





Air Operation / Air Support Requests

Home Recycle Bin

Flight Request

 SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company		Aircraft Operations Flight Request Form			
If you have any questions, please call Aircraft Operations at : 909-974-4676					
- Requestor Information -				Flight Request ID: FR00166	
Flight Requested by: Dennis McDonald		SAP/TD Accounting No:			
Requester Email: dennis.mcdonald@sce.com		TD1370239 <i>*Use commas to separate multiple numbers</i>			
Office Number: (310) 510-4223 i.e. (xxx) xxx-xxxx		Cell Number: (310) 948-7747 i.e. (xxx) xxx-xxxx			
Department: Distribution					
- General Flight Information -					
General Area: Black Jack Tower, Catalina Island		District: CATALINA		EOI related? No	
Pick-up location: 33.382577° / -118.410526°		Drop-off location: 33.374437° / -118.405950°			
LZ Coordinates (if known): Aitport in the Sky 33.404419° / -118.414795°					
Date for which service is requested: 02/11/2020 <i>ex. 01/01/2019</i>		Time of Pick-up: 0900			
Note: Do not schedule outages until Air Ops has confirmed aircraft availability					
Approx. mission duration (if known): 1hr		Back-up mission date (if known):			
- Flight Description -					
Please choose a mission type:					
Camera: ☐ HD ☐ IR		SCE Passenger(s): ☐		Heli-Saw: ☐	
Crew Support: ☐		Non-SCE Passenger(s): ☐		Recon: ☐	
External Load: ☐		Patrol: ☐		Training: ☐	
HEC: ☐		Photo: ☐		Line Stringing: ☐	
Pole Set: ☒					
Approval attachment required-->>> Re Flight Request Approval.msg TD1370239.pdf					
Note: Please remove the following characters from the file title before attaching and Zip large files and folders with multiple files: # ~ / \ : * ? " < > %					
Please attach all Work Order Maps and Photos for Pole Sets					
Note: Please contact us at AirOps@sce.com or 909-974-4676 for any issues.					

Mission Specific Details

This is part one of a two Work Order day. The first job will be to set the pole then the second job will be to deliver material to install a Remote Control Switch (RCS) to a different location.

Pole Set - Approval must be obtained from: *Please attach all Work Order Maps and Photos*

OU Requesting Manager or OSC

- Pole Set Information -

	Type	Length	Class	Weight (lbs)	Additional Equipment/Information	Weight (lbs)
1.	Composite	45'	1	600		
	GPS Coordinates (Lat/Long): 33.374437° / -118.405950°					
	Elevation: 1000		Pole #: 4189085E			
2.						
	GPS Coordinates (Lat/Long):					
	Elevation:					
3.						
	GPS Coordinates (Lat/Long):					
	Elevation:					
4.						
	GPS Coordinates (Lat/Long):					
	Elevation:					
5.						
	GPS Coordinates (Lat/Long):					
	Elevation:					

[Click here to add more:](#)

Pole Weight Totals: **600**

Additional Equipment Weight Totals: **0**

GPS: Location
N 33° 22' 28.1"
W 118° 24' 21.5"

2 POLE
45' Class C1
IN: 1- POLE 45' CLASS 1 RS COMP SEC POLE
IN: 1- XA SINGL DE HD COMP 10' W/BKT
IN: 6- INS POLY DE 16KV HOT SHOE #4 & 1/0 ACSR
IN: 2- INS POLY W/PIN 16/25KV CLAMP #4-336 ACSR
IN: 1- INS POLY & RIDGE PIN 33KV
IN: 1- AG ANCHOR ROD 3/4" X 8' 2-EYE W/PLATE
IN: 1- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
IN: 1- OH GUYING TEE W/HARDWARE CAP & WOOD
IN: 6- DAMPER, VIBRATION TYPE

1 RM
45' Class C4
RM: 1- POLE 45' CLASS 4 WOOD ROLL TREAT
RM: 6- INS GLASS DE 16KV W/L-GUARD #4
RM: 4- AG DOWN GUY 3/8" - 50' LESS THAN 22.5KV
RM: 2- AG ANCHOR ROD 3/4" X 8' 2-EYE W/PLATE

4189084E
45

4189085E

4189086E
40-UC92
2/10/12
120/240

CAPE CANYON

CATALINA ISLAND

Black Jack Campground

Sanje Carolina
Island



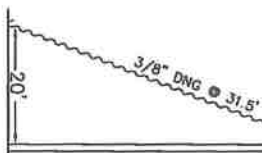
INTERIOR 12KV
PEBBLY BEACH

F5



Ex: 4189085E
Looking South

37.5'
12KV
SECTIONAL
COMPOSITE
POLE



FINAL DESIGN
APPROVED FOR CONSTRUCTION

Prop: 4189085E
Looking North

PROJECT REQUIREMENTS (Y/N)
EDISON EASEMENT REQUIRED ☒
PMRD 88 REQUIRED ☒
UG CIVIL ONLY WORK ORDER ☒
PERMIT REQUIRED ☒
PERMIT TYPE: ENCROACHMENT
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
Note:
- Transfer all Wires, Equipment,
Guying & SLS to New Pole
- Possible helicopter set



DISTRICT	61 - CATALINA	PROJ. MGR.	BARADARAY, BABAR	PLANNER	LAYTON, WILLIAM	DESIGNER	LAYTON, WILLIAM
PROJECT NO.	1559944	SERVICE REQUEST	714-756-9800	PHONE	714-973-5664	PROJECT-1	PROJECT-1
CIRCUIT / VOLTAGE	24/70095	THOMAS GUIDE	1370239	INFRAREPLAC - DET	POLE REPLACEMENT	PROJECT-2	PROJECT-2
INTERIOR 12KV						PROJECT-3	PROJECT-3
SUB / PG NO.							
PEBBLY BEACH							
INVENTORY MAP	884-4184-2	JP.A. NO.					
DATE		APPROVED BY		CHECKED BY		DRAWN BY	
TYPE						PAX #	
Southern California Edison Company				SHEET 1 of 1			
				DESIGN/DRWG NO. 1010873_0.01			