

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
- ☐ GHI CREW INTRODUCTION
- ☐ IS A TRANSLATOR REQUIRED
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER
- ☐ IDENTIFY CLOSEST EMERGENCY MEDICAL SERVICES
- ☐ CREW FATIGUE AND HYDRATION
- ☐ HELICOPTER LIFT LIMITATIONS
- ☐ HAZMAT WILL OR WILL NOT BE CARRIED ON THE HOOK
- ☐ NON GHI EMPLOYEES WILL NOT APPROACH HELICOPTER WITH ROTORS ENGAGED
- ☐ HELICOPTER HAZARD AREA (TAIL/MAIN ROTOR)
- ☐ EFFECT OF ROTOR DOWN WASH ON LOAD

9-3-2019
ANTONERIO SIB
G/poles UH-1H
CAP Approved
LZ

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

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

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.

[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 ☐ IMSAFE Acronym 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
Congested Area Plan

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406
Phone (818) 442-9904
FAX (818) 442-9901

PROJECT: EDISON POLE REPLACEMENT WORK ORDER #: TD 1505676 TD 1460467 TD1460471
TD1460476

ADDRESS: 3929 ANTONE ROAD : SANTA BARBARA CA

LANDING ZONE STAGING AREA 34°27'33.93"N 119°45'28.20"W

4466786E LATITUDE 34°27'22.94"N LONGITUDE 119°45'9.48"W

1345433E LATITUDE 34°27'26.89"N LONGITUDE 119°45'8.51"W

1345434E LATITUDE 34°27'27.51"N LONGITUDE 119°45'7.15"W

1345436E LATITUDE 34°27'28.04"N LONGITUDE 119°45'5.36"W

CONTRACTOR'S NAME: WAYNE RHODES PHONE#: 209-401-6364

CONTACT AT SITE: HOTLINE CONSTRUCTION PHONE #: 209-401-6364

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 4 POLES LARGEST 45 CL 3 1500 LBS

MAX SINGLE – LIFT WEIGHT: 1500 LBS CLASS OF LOAD: EXTERNAL CL B

NO. OF LIFTS: 8 LONG LINE: _____ (NO) XXX (YES) LESS THEN 100 FT+40 POLE +5

RIGGING=145 FT (LENGTH)

OPERATIONAL ALTITUDE: < 50 STREET CLOSING: XX (NO) _____ (YES)

DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
9-3-2019	SUNRISE	SUNSET	7-2-2019
CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA BARBARA SHERIFF	805-928-3781	WATCH COMMANDER	NOTIFY
SANTA BARBARA COUNTY FIRE	805-681-5518	STATION 18	NOTIFY



Congested Area Plan (Continued)

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
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SEE DIAGRAM = V	VACANT DURING OPS	HAND DELIVER





Congested Area Plan (Continued)

Operator: Guardian Helicopters, Inc
16425 Hart Street
Van Nuys, CA 91406

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 TAILBOARD SAFETY MEETING WILL BE HELD AT THE ASSIGNED AREA PRIOR TO BEGINNING HELICOPTER OPERATIONS

1. HELICOPTER WILL LAND AT LZ STAGING AREA OFF OF CIENEQUITAS RD TO CONDUCT A TAILBOARD AND CONNECT THE LONGLINE
2. FUELING WILL ONLY BE CONDUCTED AT THE LZ STAGING AREA
3. THE POLES WILL BE STAGED AT THE LANDING ZONE .
4. **CUSTOMER NEEDS TO RIM TREES PRIOR TO WORK** .
5. A TOTAL OF 9 BUILDINGS WILL BE VACANT DURING THE OPERATIONS
6. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
7. PROPERTY IDENTIFIED WILL BE VACANT DURING OPERATIONS
8. PROVIDE A WATER TRUCK AT THE LANDING ZONES
9. ANTONE ROAD AND DEBRA DR WILL EXPERIENCE INTERMITTENT CLOSURES

7-1-2019

DATE OF SUBMISSION

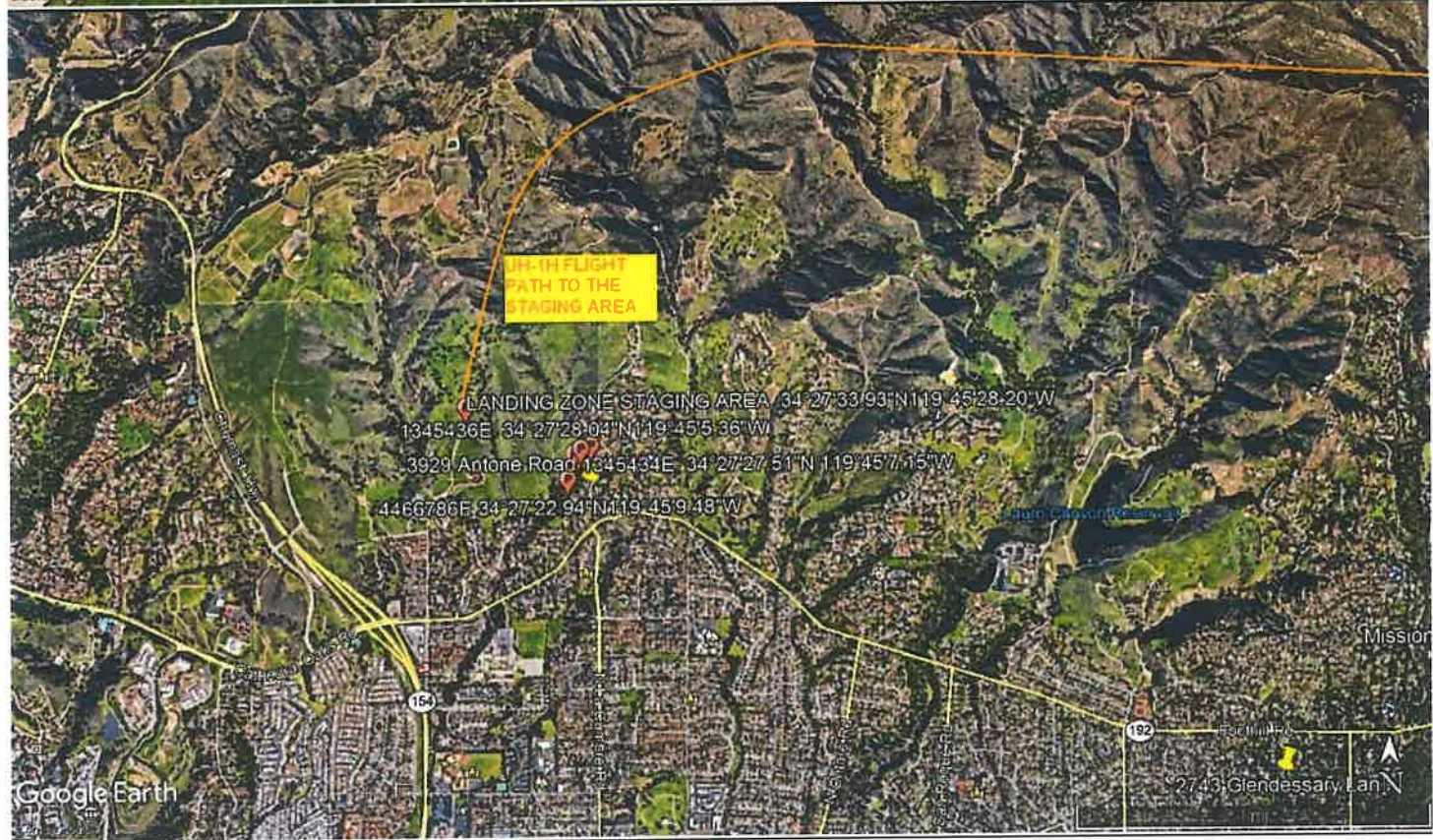
COMPANY OFFICIAL / TITLE



GUARDIAN
HELICOPTERS, INC.

**Part 135 GH 4A Part 133 GH 4L
OPERATIONS AREA DIAGRAM**





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. Jutma



Dear neighbor,

Guardian Helicopters Inc is a subcontractor of Southern California Edison (SCE). We will be working in your neighborhood to upgrade its electrical facilities to provide you a modern and reliable power grid. Your safety is our highest priority during this construction activity. We apologize for any inconvenience this may cause and will make every effort to minimize potential impacts during construction activities. Thank you for your patience as we complete these upgrades for you.

Upgrades in Your Area

We will be using a helicopter to set new utility pole.

What to Expect

- **Federal Aviation Administration regulations require we take certain precautions to ensure the safety of the public during our operation. To do this your residence must be completely vacated while the helicopter sets the new utility pole. At no time will our helicopter over fly any residence with a load attached.**
- **ANTONE ROAD AND DEBRA DR WILL EXPERIENCE INTERMITTENT CLOSURES**
- Guardian Helicopters primary concern during this operation is the general safety of the general public. We recommend measure to ensure the safety and control of any livestock during the period of helicopter operations.
- Work Timeline*
- Date: 9-3-2019
- Hours: 8:00 a.m. – 6:00 p.m.

The timeframe for the evacuation is approximately 120 minutes once all residents have left.

A Guardian Helicopter Inc representative will make contact with you and/or any responsible persons at your residence with further instructions shortly before the aircraft operation is to take place. Please notify all family members, workers, or anyone who may be at your residence on this date of the evacuation. It is important to us that our activity presents as little inconvenience to you as possible.

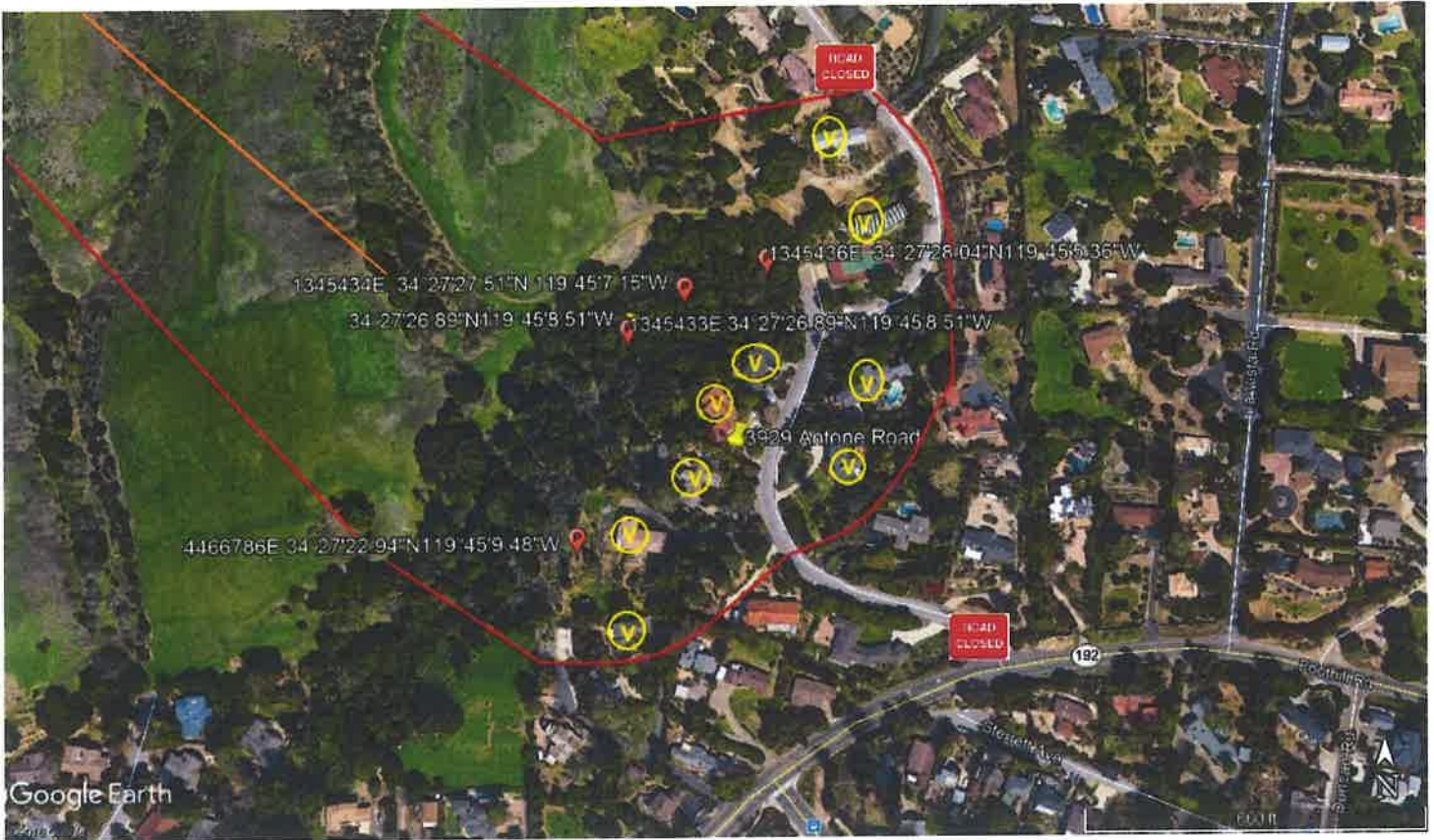
Project Area

THE POLES ARE LOCATED WEST OF ANTONE ROAD AND THE LANDING ZONE STAGING AREA IS AT THE END OF CIENEQUITAS ROAD



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Safety Tips

- Please close and secure back yard umbrellas and canopies
- Close all doors and windows to prevent dust from entering your home
- If possible ensure your animals are secure or clear of the area.

If you have any questions or concerns please feel free to give me a call. In addition I will be on site and can be reached on my cell phone.

Best regards,

Jeffrey M. Teubner

Flight Coordinator

818-442-9904 office

818-621-3794 cell

16425 Hart Street Van Nuys, California 91406 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aviation Safety

Flight Standards Service
General Aviation Safety Assurance
General Aviation G (AFG-700)

Van Nuys Flight Standards District Office
16501 Sherman Way, Suite #330
Van Nuys, California 91406
818-267-3300, Fax: 818-786-9732

To: Jeffrey Teubner
Company: Guardian Helicopter
Phone: 818-442-9904
FAX: 818-442-9901
From: Eric C. Burg
Title: Aviation Safety Inspector
Date: August 27, 2019

Pages including Cover: 10

RE: LP19090 – 201904563

Mr. Teubner,

We confirm the approval of the Congested Area Plan (CAP) with the new date of operation submitted by you on July 1, 2019, revised on 8/27/2019. This Approval concerns the proposed operation at 3929 Antone Road in Santa Barbara, CA on September 3, 2019 from Sunrise to Sunset for power pole replacements with a potential of 8 lifts plus tool sacks.

NOTE: These lifts are in SBA Class C airspace. It is the pilot's responsibility to obtain the proper clearance to operate in the Class C airspace.

Inspectors from this office may monitor the operation to ensure compliance with the approved plan.

Should you have any questions, requests or changes to this plan, please contact this office at 818-267-3300.

Sincerely,

Eric C. Burg
Aviation Safety Inspector
818-267-3330



GUARDIAN
HELICOPTERS, INC.

FAA APPROVED, VAN NUYS FSDO

EFFECTIVE DATE AUG 27 2019

INSPECTOR EBJ

SECTION 7

Part 135 GH 4A Part 133 GH 4L

Congested Area Plan

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Phone (818) 442-9904
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CROWD CONTROL			
OWNER:	XXX	CONTRACTOR:	XXX
OPERATOR:	XXX	SECURITY:	
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
SANTA BARBARA SHERIFF	805-928-3781	WATCH COMMANDER	NOTIFY
SANTA BARBARA COUNTY FIRE	805-681-5518	STATION 18	NOTIFY

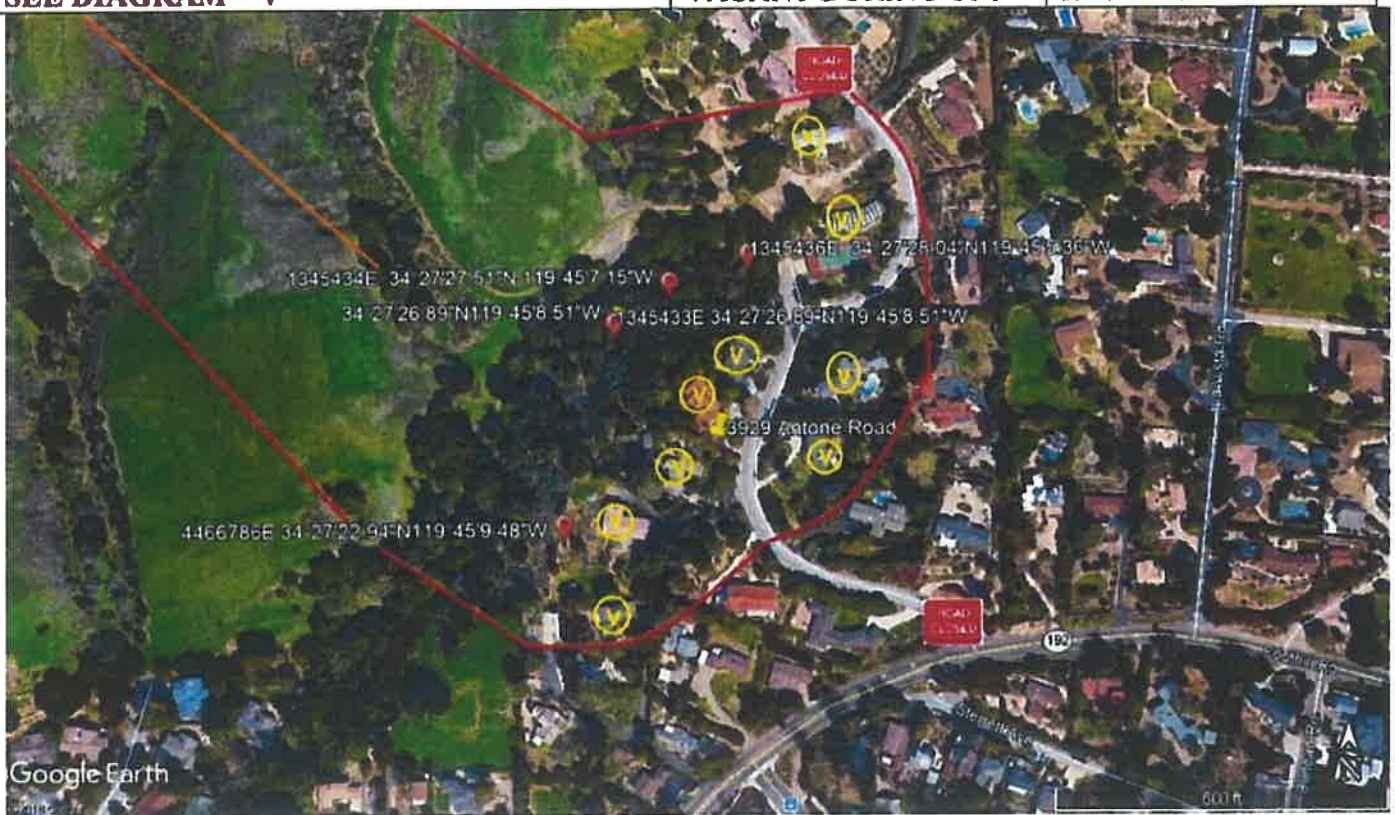


FAA APPROVED, VAN NUYS FSDO
EFFECTIVE DATE AUG 27 2019
INSPECTOR [Signature]

Congested Area Plan (Continued)

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FAA APPROVED, VAN NUYS FSDO
EFFECTIVE DATE AUG 27 2019
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Congested Area Plan (Continued)

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7-1-2019
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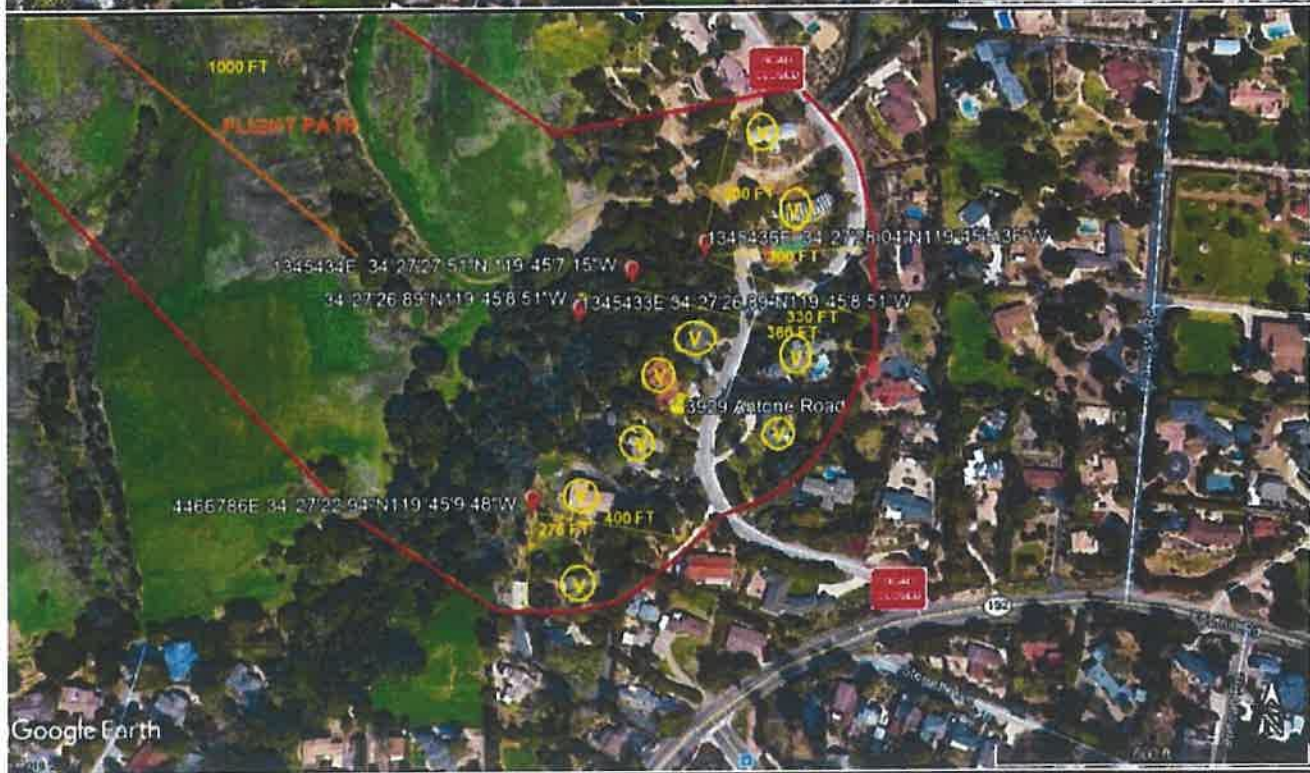
COMPANY OFFICIAL / TITLE

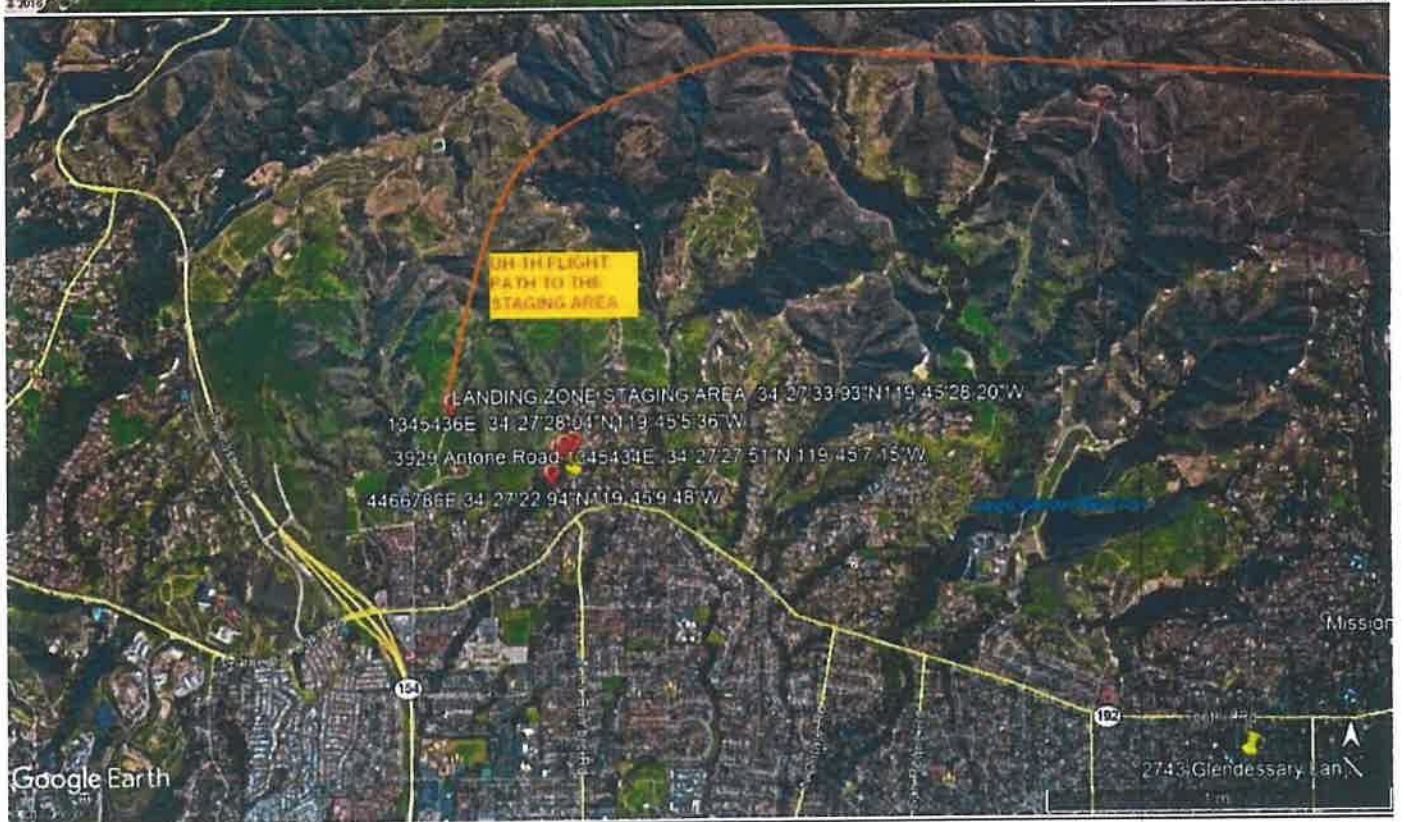


GUARDIAN
HELICOPTERS, INC.

**Part 135 GH 4A Part 133 GH 4L
OPERATIONS AREA DIAGRAM**

FAA APPROVED, VAN NUYS FSDO
EFFECTIVE DATE AUG 27 2019
INSPECTOR [Signature]





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)	

FAA APPROVED, VAN NUYS FSDO
EFFECTIVE DATE AUG 27 2019
INSPECTOR FR

AREA SURVEY CONDUCTED BY: J. Grey M. J. J. J.



FAA APPROVED, VAN NUYS ESDO
EFFECTIVE DATE AUG 27 2019
INSPECTOR ERG

Dear neighbor,

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16425 Hart Street Van Nuys, California 91406 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com



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LIST OF BUILDINGS THAT SHALL EITHER BE PARTIALLY OR ENTIRELY UNOCCUPIED PERSONS ALSO HOMES THAT WILL BE NOTIFIED OF ACTIVITY:

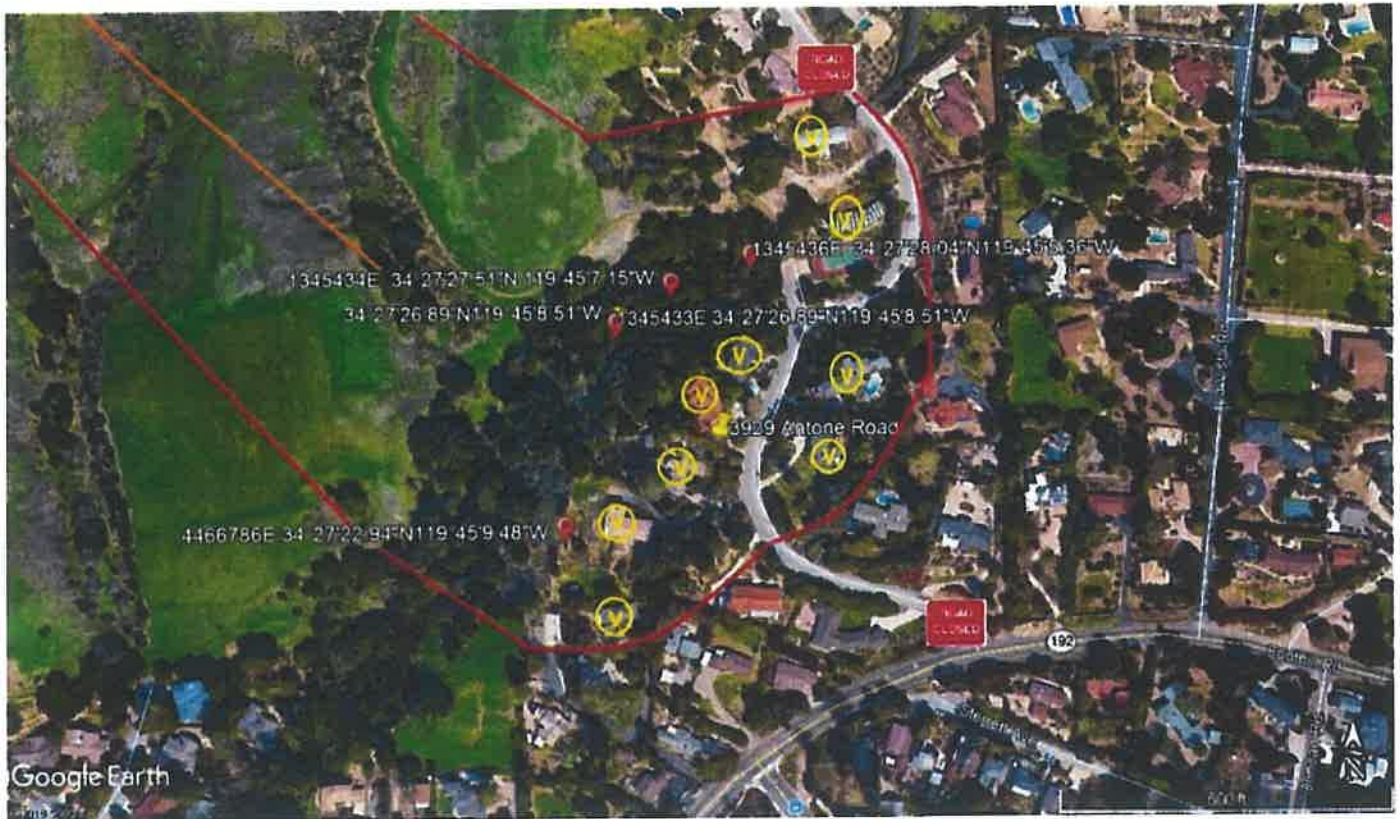
BUILDING DESCRIPTION/ADDRESS	REMARKS	METHOD
3924 FOOTHILL ROAD	VACANT DURING OPS	HAND DELIVER
3919 ANTONE RD	VACANT DURING OPS	HAND DELIVER
3923 ANTONE RD	VACANT DURING OPS	HAND DELIVER
3929 ANTONE RD	VACANT DURING OPS	HAND DELIVER
3924 ANTONE RD	VACANT DURING OPS	HAND DELIVER
3930 ANTONE RD	VACANT DURING OPS	HAND DELIVER
3933 ANTONE RD	VACANT DURING OPS	HAND DELIVER
959 DEBRA DR	VACANT DURING OPS	HAND DELIVER
379 DEBRA DR	VACANT DURING OPS	HAND DELIVER
ALL HOMES WITHIN OPERATING AREA	VACANT DURING OPS	HAND DELIVER
SEE DIAGRAM = V	VACANT DURING OPS	HAND DELIVER

16425 Hart Street Van Nuys, California 91406 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com



FAA APPROVED, VAN NUYS FSDO
EFFECTIVE DATE **AUG 27 2019**
INSPECTOR *[Signature]*



Safety Tips

- Please close and secure back yard umbrellas and canopies
- Close all doors and windows to prevent dust from entering your home
- If possible ensure your animals are secure or clear of the area.

If you have any questions or concerns please feel free to give me a call. In addition I will be on site and can be reached on my cell phone.

Best regards,

Jeffrey M. Teubner

Flight Coordinator

818-442-9904 office

818-621-3794 cell

16425 Hart Street Van Nuys, California 91406 Phone (818) 442-9904 Fax (818) 442-9901

www.guardianhelicoptersusa.com

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:*	WAYNE RHODES
Department:*	CONSTRUCTION
Pax:*	
Cell Number:*	209-401-6364
Email Address:*	wrhodes@hotlineconstructioninc.com

SAP Accounting Number*	TD1460471
-------------------------------	-----------

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):

REPLACING POLE 1345433E WOOD

34 27 26.89N 119 45 08.51W

General Operating Location	3929 ANTONE RD. SANTA BARBARA
District	49 SANTA BARBARA
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	MONTH OF MAY
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	WAYNE RHODES
Authorizer PAX and cell number	209-401-6364

**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 _____

NOTES:
 -SCE JO PTD.
 -SET 3' WEST.
 -JOINT MEET REQ'D.
 -HAND DIG REQ'D.
 -HELICOPTER SET REQ'D.
 -EAGLE ZONE.
 -BULL. 322 AREA.

TRANSFER:
 4- #4 ACSR 16KV

2

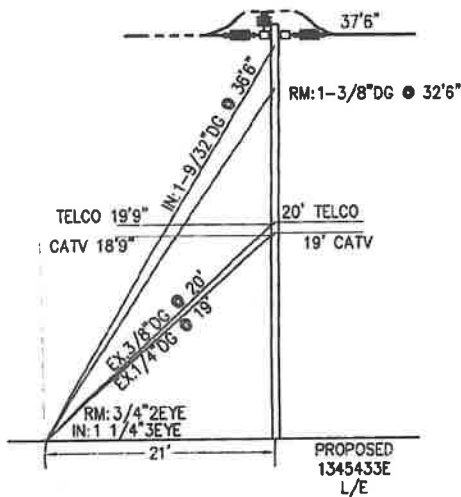
POLE

N: 34° 27' 26.89"
 W: -119° 45' 08.51"
 ELEVATION: 354'

1345433E

45' Class C4
 IN: 1- POLE 45' CLASS 4 WOOD FULL TREAT
 IN: 1- XA DBL HD DE COMP 10'
 IN: 4- INS POLY DE 16KV HOT SHOE #4 & 1/0 ACSR
 IN: 2- INS POLY W/PIN 16KV CLMP #4-653 ACSR
 IN: 1- AG 24" CR PLT 1 1/4" X 10" ROD 3-EYE
 IN: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
 IN: 1- AG BLOCK & POLE KEY

BBPK CALC
 2-#4ACSR SLACKED $520 \times 2 = 1040 \times 10\% = 104$
 $104 \sin(40) = 66.9 \times 37.5 = 2506.9$
 MIN 45' DFTB CL 4 = 17,138
 8# GRADE A

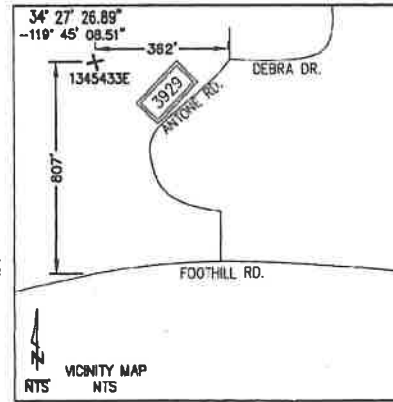


RM

1345433E

1

40' Class C5
 RM: 1- RM POLE 40' CLASS 5 WOOD FULL TREAT
 RM: 1- XA SNGL FB 5' STEEL PINS
 RM: 2- INS GLASS/POLY 35KV & LESS
 RM: 2- INS GLASS & PIN 16KV
 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



SOUTHERN CALIFORNIA
EDISON
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NOT TO SCALE

PROJECT REQUIREMENTS (Y/N)

EDISON EASEMENT REQUIRED ☐
 PMRD 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 (TJM) REQ'D ☐

DISTRICT 49 - SANTA BARBARA		PROJ. MGR. TOLMASOFF, LAURA PHONE 714-796-9811	PLANNER TIDWELL DESIGN PHONE 805-647-4707	DESIGNER TIDWELL DESIGN
PROJECT NO. 1670904	SERVICE REQUEST 2577832	MSR NO.	PRODUCT-1 1460471-INFRA REPLAC - DET POLE REPLACEMENT	ASSOC DESIGN
CIRCUIT / VOLTAGE HURST 16KV		THOMAS GUIDE N/A	PRODUCT-2	ASSOC DESIGN
SUB / PG NO. SAN MARCOS		CIRCUIT CODE	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP 19-55C		J.P.A. NO. E6049-409594443	PROPOSED CONSTRUCTION (LOCATION) 1345433E 3929 ANTONE RD., SANTA BARBARA	

1345433E

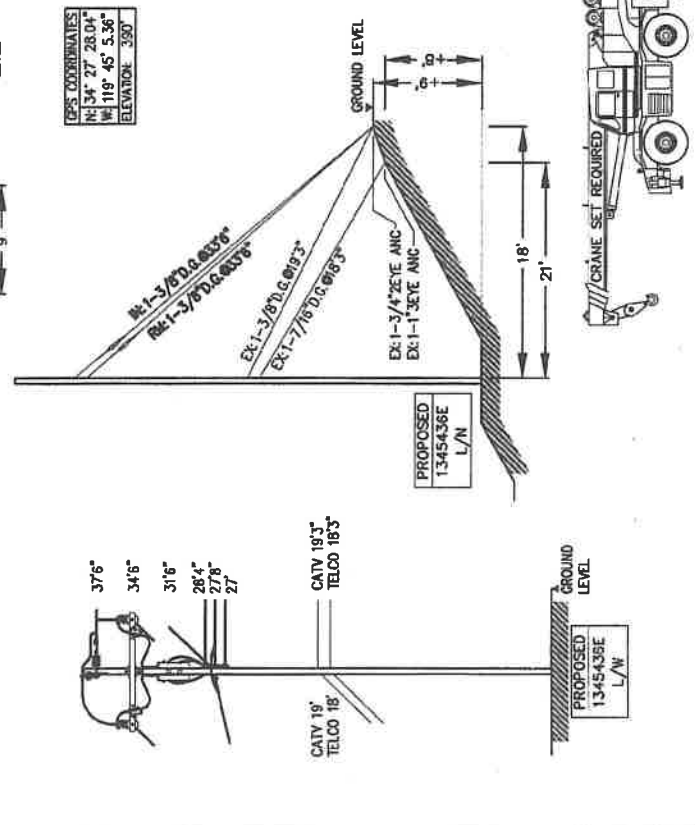
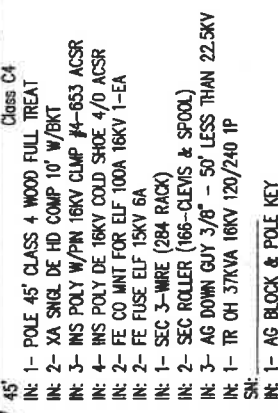
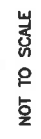


Dist.49 Deteriorated Pole
L / E



SCE Aircraft Operations Flight Request Form

☐ Week 3



PROJECT REQUIREMENTS (VAIL)	DISTRICT 49	SANTA BARBARA	PROJ. MGR. TOLMASOFF LAURA	TOWELL DESIGN PHONE 805-67-4707	DESIGNER TOWELL DESIGN
ELECTRIC CABLES REQUIRED ☒	ADDRESS 16708935	CITY/STATE/ZIP ZUST7823	MUR NO.	PRODUCT-1	ASSOC DESIGN
PUMP IN REQUIRED ☒	CONDUIT VOLUME HURST 16KV	THOMAS CODE N/A	PRODUCT-2	ASSOC DESIGN	
USE THE ONLY YOUR ORDER FORM REQUIRED ☒	FURNISHING REQ. NO. MARCUS MARLOS	CREDIT CODE	PRODUCT-3	ASSOC DESIGN	
PUMP TYPE _____					
OILTYPE REQUIRED ☒	INVENTORY MAP 19-55C	J.P.A. NO. E6049-409695089	PROPOSED CONSTRUCTION (LOCATION) 1345438E		
OILTYPE NAME _____ TIME _____			3929 ANTONIE RD., SANTA BARBARA		
TRAFFIC CONTROL REQUIRED ☒					
PED. TRAFFIC CONTROL NEEDED ☒					
CONFORMANCE LETTER ALTD ☒					
ENVIRONMENTAL CLEARANCE NEEDED ☒					
CSO R/F TWO NEEDED ☒					
	TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY PAX #
					TOWELL
	Southern California Edison Company				
	DESIGN/DRAWING NO.				1082384 0.01

1345436E



Dist.49 Deteriorated Pole
L / N



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SCE Aircraft Operations Flight Request Form

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Requestor Information

Flight requested by:*	WAYNE RHODES
Department:*	
Pax:*	
Cell Number:*	209-401-6364
Email Address:*	wrhodes@hotlineconstructioninc.com

SAP Accounting Number*	TD1505676
-------------------------------	------------------

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):

REPLACING OCI POLE 1345434E 45FT CL1 COMPSITE

34 27 27.50N X 119 45 07.19W

General Operating Location	3929 ANTONE RD. SANTA BARBARA
District	49 SANTA BARBARA
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	OCI POLE 7-9-19 ADD ON TO TD1460467 (GUARDIAN HELICOPTERS)
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	WAYNE RHODES
Authorizer PAX and cell number	209-401-6364

**required information*

[Click to e-mail form](#)

For office use only

Date Received by Aircraft Operations: _____ Date Initial Contact Made: _____

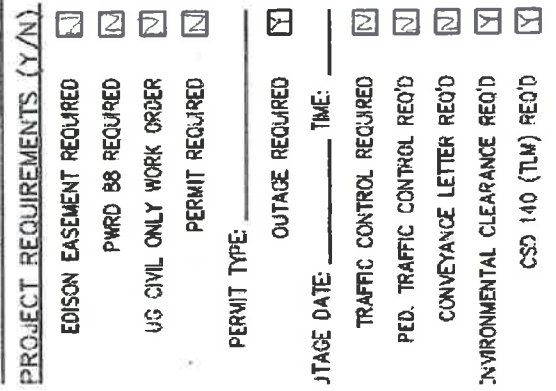
Referred to contractor: ☐ No ☐ Yes, Date: _____ Company: _____

Follow up status: ☐ Week 1 _____

☐ Week 2 _____

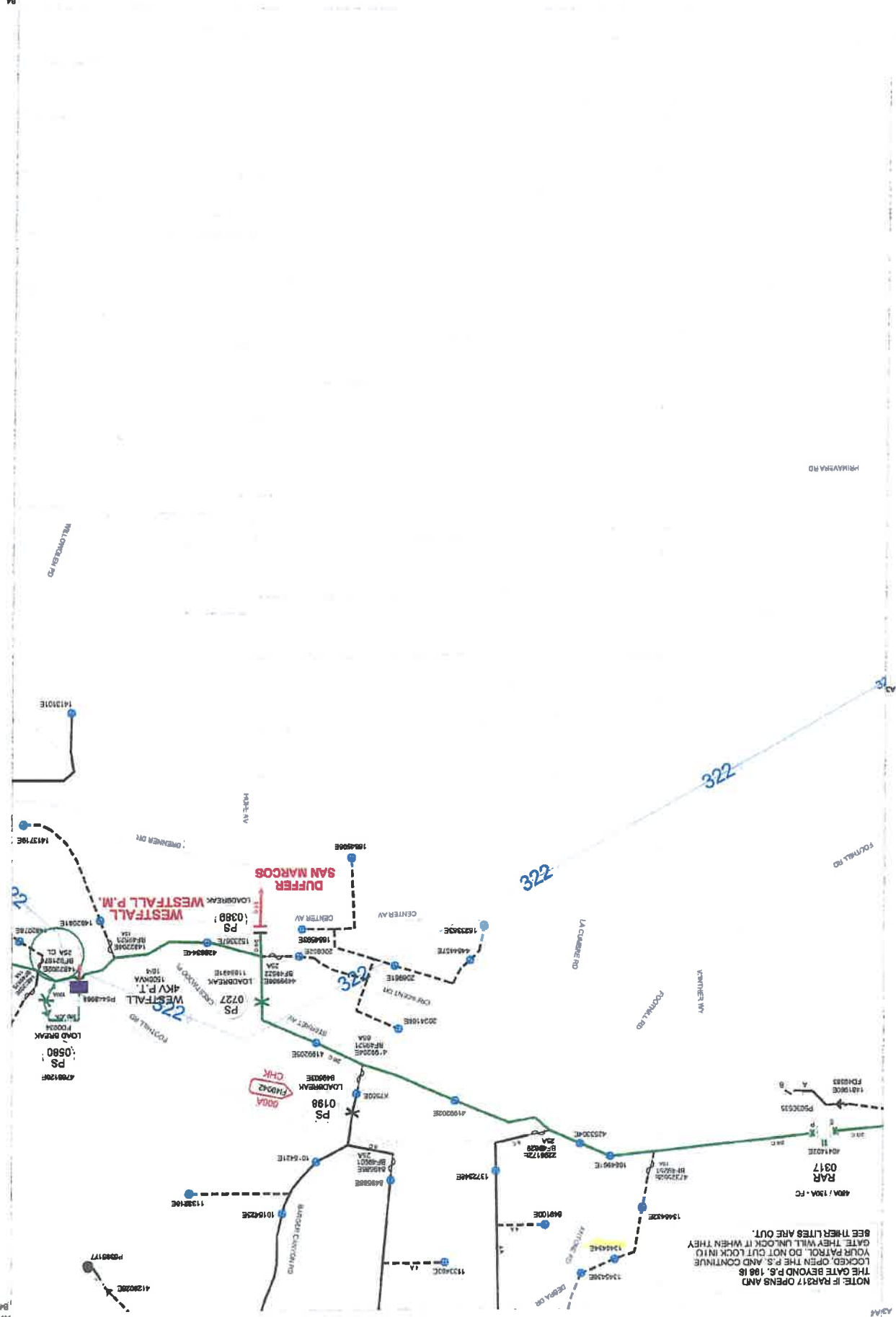
☐ Week 3 _____

PROP	25	5.11	1	115	16
10	22.5	5.11	1	115	16
10	22.5	5.11	1	115	16



1345434E







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SCE Aircraft Operations Flight Request Form

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Requestor Information

Flight requested by:*	WAYNE RHODES
Department:*	CONSTRUCTION
Pax:*	
Cell Number:*	209-401-6364
Email Address:*	wrhodes@hotlineconstructioninc.com

SAP Accounting Number*	TD1460476
-------------------------------	-----------

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):

REPLACING POLE 4466786E 45FT CL3 WOOD
34 27 22.94N 119 45 9.48W

General Operating Location	3919 ANTONE RD. SANTA BARBARA
District	49 SANTA BARBARA
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	MONTH OF MAY
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	WAYNE RHODES
Authorizer PAX and cell number	209-401-6364

**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 _____

- NOTES:
- SOE TO PTD.
 - HARD SET SOUTH WEST.
 - JOINT MEET REQUIRED.
 - EAGLE ZONE.
 - HAND DNG.
 - HELICOPTER SET REQUIRED.
 - TREE TRIM REQUIRED.
 - BULLETIN 322 AREA.

TRANSFER

- 2-#4ACSR 16KV
- 2-#4ACSR 16KV (SLACK)



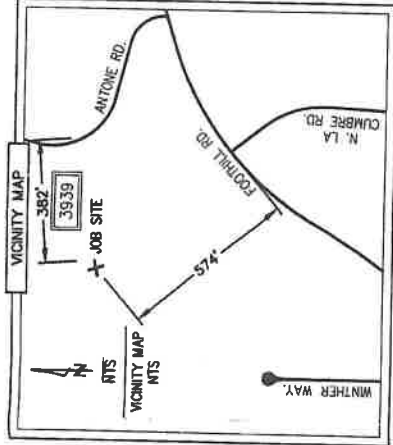
GPS COORDINATES
N 134° 27' 22.94"
W 119° 45' 9.48"
ELEVATION: 379'

2 POLE 45'

4466786E Class C3

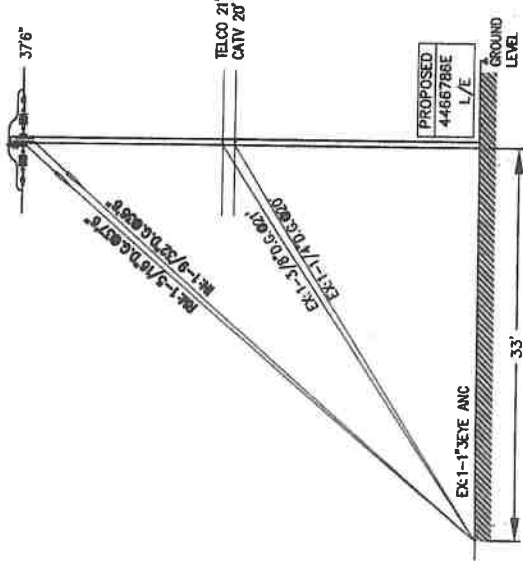
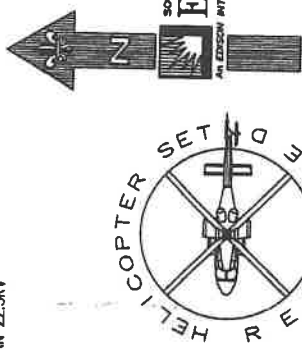
- IN: 1- POLE 45' CLASS 3 WOOD FULL TREAT
- IN: 4- INS POLY DE 16KV HOT SHOE #4 & 1/0 ACSR
- IN: 2- XA DBL HD DE COMP 10'
- IN: 1- AG DOWN GUY 9/32" - 50' LESS THAN 22.5KV
- IN: 2- INS POLY W/PIN 16KV CLAMP #4-653 ACSR
- IN: 1- AG BLOCK & POLE KEY

BREAST BLOCK & POLE KEY CALCS
(2-#4ACSR 10' ANGLE)
1,040 SIN(10°) x 181 x 376" = 6,772 FT/LBS
(2-#4ACSR 20' ANGLE - SLACK)
1,040 x .10 = 104
104 SIN(20°) = 35.6
35.6 x 376" = 1,334
1,334 + 6,772 = 8,106 FT/LBS
45' DF-TB CL4 BY GRA = 17,136 FT/LBS



RM 4466786E 1 Class C4

- RM: 1- RM POLE 45' CLASS 4 WOOD FULL TREAT
- RM: 4- INS GLASS/POLY 35KV & LESS
- RM: 1- XA SNGL FB 10' STEEL PINS
- RM: 1- AG DOWN GUY 5/16" - 50' LESS THAN 22.5KV
- RM: 2- INS GLASS & PIN 16KV



DISTRICT 49 - SANTA BARBARA		PROJ. MGR. TOLMASOFF, LAURA	PLANNER TIDWELL DESIGN	DESIGNER TIDWELL DESIGN
PROJECT NO. 1670910		PHONE 714-796-9811	PHONE 805-647-4707	
SERV. REQUEST 25/77838		PRODUCT-1	PRODUCT-2	PRODUCT-3
CREDIT / VOLTAGE HUSK 16KV		THOMAS GUIDE	THOMAS GUIDE	THOMAS GUIDE
SUB / PG. NO. SAN MARCOS		CREDIT CODE	CREDIT CODE	CREDIT CODE
INVENTORY MAP 19-55C		J.P.A. NO. E6049-409682861	PROPOSED CONSTRUCTION (LOCATION)	
PROJECT REQUIREMENTS (C/N/L)		4466786E		
ERSON DESIGN REQUIRED	NO			
TRIP IN REQUIRED	NO			
UC CBL ONLY WORK ORDER	NO			
POINT REQUIRED	NO			
POINT TYPE	NO			
OUTAGE REQUIRED	NO			
OUTAGE DATE	NO			
TRAFFIC CONTROL REQUIRED	NO			
PEL TRAFFIC CONTROL REQD	NO			
CONVEYANCE LETTER REQD	NO			
ENVIRONMENTAL CLEARANCE REQD	NO			
CSO 145 (LULU) REQD	NO			
DATE		CHECKED BY	DRAWN BY	PAX #
			TIDWELL	
DESIGN/ISSUE NO.		1082391 001		

Southern California Edison Company

4466786E



Dist.49 Deteriorated Pole
L / N