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: Simi Valley

2-8-2020
NON-CAP
2 pole Heaviest 2900 LBS
TD 1540680

- ☐ 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
  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:*	PEDRO LEMUS
Department:*	HAMPTON TEDDER
Pax:*	N/A
Cell Number:*	909-306-8203
Email Address:*	pedro.lemus@hamptontedder.com
SAP Accounting Number*	TD1540680

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):
ST4-5 POLE 1748674E RM: 45 CL 4 WOOD IN: 50 CL 1 WOOD APPROX 2400 LBS
ST 6-7 POLE 4324851E RM: 40 CL 5 WOOD IN: 40 H2 WOOD APPROX 2200 LBS
ST 12-13 POLE 4377042E RM: 45 CL 4 WOOD IN: 45 H4 WOOD APPROX 3100 LBS

General Operating Location	LOST CANYONS DR @TAPO CANYON RD, SIMI VALLEY
District	35 THOUSAND OAKS
LZ Coordinates (if known)	
Pick-up location for passenger flights	
Drop-off location for passenger flights	

Date(s) for which service is requested	JANUARY 2020
Time of Pick-up	
Approx. mission duration (if known)	
Back-up date for mission (if known)	

Authorizer	
Authorizer PAX and cell number	

**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 154080
ADDRESS: TOPO CANYON ROAD : SIMI VALLEY CA
LZ STAGING AREA LATITUDE 34°19'0.81"N LONGITUDE 118°43'8.02"W
4377042E LATITUDE 34°18'38.13"N LONGITUDE 118°43'18.12"W 40 H2 2200 LBS
4324851E LATITUDE 34°18'29.94"N LONGITUDE 118°43'15.50"W45 H4 2900 LBS
CONTRACTOR'S PEDRO LEMUS PHONE#: 909-306-8203
CONTACT AT SITE; HAMPTON TEDDER PHONE#: 909-306-8203
PILOT'S NAME(S): 1. JOHN OLSON CERT #: 2769166
2. BUCKEY MACKAY CERT #:2778051
4. MICHAEL KLINK CERT# 3018828
5. IAN GOODALE CERT# 3741973
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 POLE REPLACEMENT AND ARM REPLACEMENT OF LOAD:EXTL CL B
NO. OF LIFTS: 6 MAX 2900 LBS LONG LINE: (NO) XXX (YES) LESS THEN 100 FT (LENGTH)
OPERATIONAL ALTITUDE: ≤ 250 STREET CLOSING: (N0) XX (YES)
DATE AND TIMES OPERATION WILL BEGIN AND TERMINATE:

FLIGHT DATES	TIME BEGIN	TIME END	TODAY'S DATE
2-8-2020	SUNRISE	SUNSET	2-2-2020
AGENCY NAME:	**PHONE#:**	**PERSON NOTIFIED:**	**DATE:**
FILLMORE POLICE	805-524-2233	WATCH COMMANDER	NOTIFY
FILLMORE FIRE	805-524-0586	STATION 91	NOTIFY

Evacuation
☑ No Evacuated Structures
☐ Evacuated Structures

Crowd Control
☑ Operator
☑ Contractor

Street Closure
☑ Yes ☐ No
☑ Contractor

☐Operator

SECTION 7

Part 135 GH 4A Part 133 GH 4L

NON Congested Area Plan

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 LZ TO CONNECT THE LONGLINE AND TAILBOARD SAFETY MEETING
2. FUELING WILL BE CONDUCTED AT THE LANDING ZONE
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. POLES WILL BE STAGED IN THE STAGING AREA
5. REMOTE NO EVACUATIONS OR ROAD CLOSURES
6. WATER TRUCK REQUIRED
7. THE CONTRACTOR WILL TRIM TREES IF REQUIRED

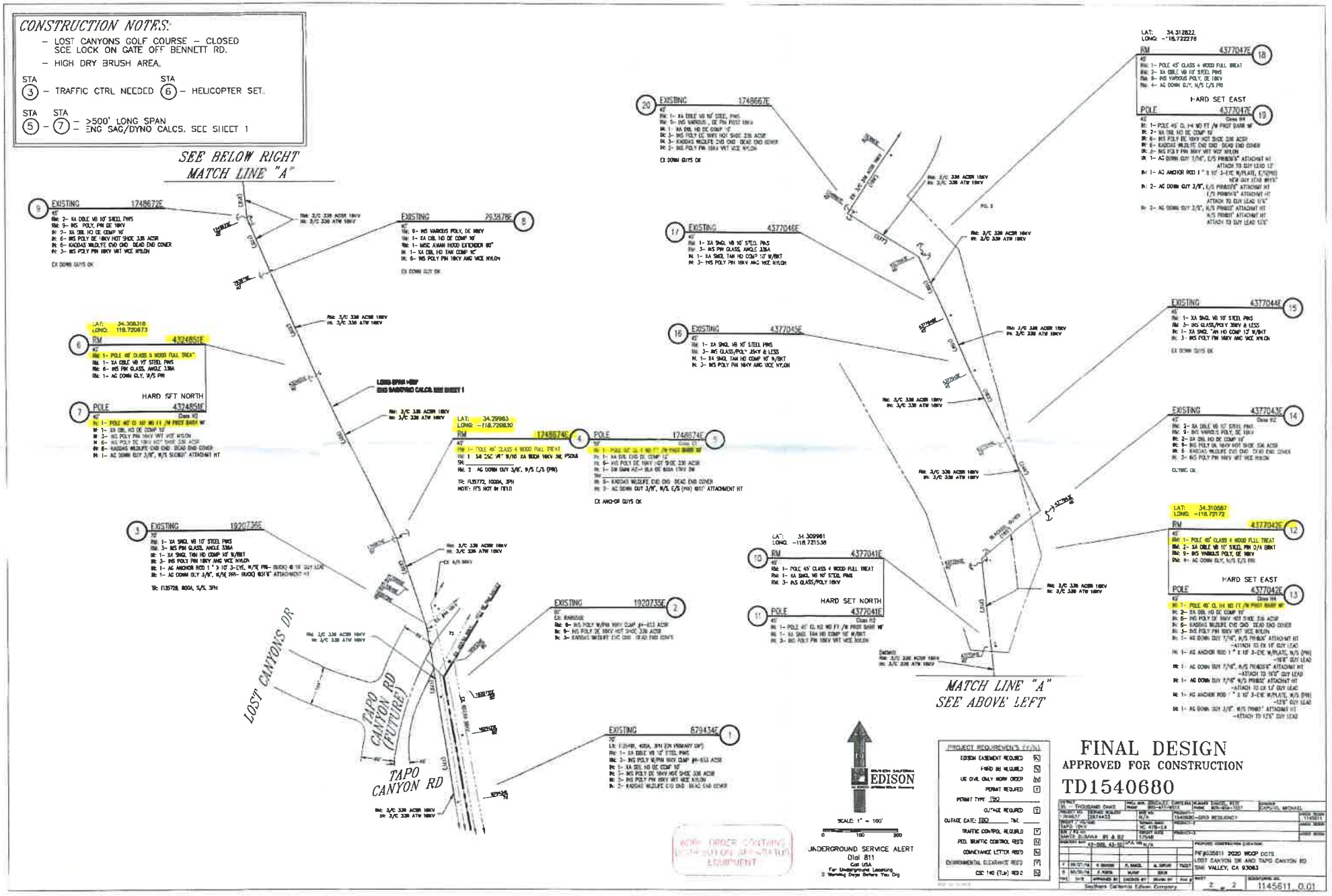

LZ STAGING AREA 34°19'0.81"N 118°43'8.02"W
FLIGHT PATH
4377042E 34°18'38.13"N 118°43'18.12"W
4324851E 34°18'29.94"N 118°43'15.50"W
Google Earth
2000 ft
N


425 FT
275 FT
LZ STAGING AREA 34°19'0.81"N 118°43'8.02"W
ELZ
AR
WATER
FLIGHT PATH
Google Earth
300 ft
N

Jeffrey M. Jentsch

2-2-2020
DATE OF SUBMISSION

COMPANY OFFICIAL / TITLE


CONSTRUCTION NOTES:
– LOST CANYONS GOLF COURSE – CLOSED SCE LOCK ON GATE OFF BENNETT RD.
– HIGH DRY BRUSH AREA.
STA (3) – TRAFFIC CTRL NEEDED
STA (6) – HELICOPTER SET.
STA (5) – (7) – >500' LONG SPAN – ENG SAG/DYNO CALCS. SEE SHEET 1
SEE BELOW RIGHT
MATCH LINE "A"
MATCH LINE "A"
SEE ABOVE LEFT
LOST CANYONS DR
TAPO CANYON RD (FUTURE)
TAPO CANYON RD
EXISTING 1748672E
EXISTING 2938178E
EXISTING 4324851E
HARD SET NORTH
POLE 4324851E
EXISTING 1748667E
EXISTING 4377046E
EXISTING 4377045E
EXISTING 4377044E
EXISTING 4377043E
EXISTING 1920735E
EXISTING 1748674E
EXISTING 879434E
RM 4377041E
HARD SET NORTH
POLE 4377041E
RM 4377047E
HARD SET EAST
POLE 4377047E
RM 4377042E
HARD SET EAST
POLE 4377042E
LAT: 34.308316
LONG: -118.720873
LAT: 34.309983
LONG: -118.720830
LAT: 34.309981
LONG: -118.721538
LAT: 34.312822
LONG: -118.722278
LAT: 34.310587
LONG: -118.721172
EDISON
SCALE: 1" = 100'
UNDERGROUND SERVICE ALERT
Dial 811
Call USA
For Underground Locating
2 Working Days Before You Dig
PROJECT REQUIREMENTS (Y/N)
EDISON EASEMENT REQUIRED N
FIRED (R) REQUIRED N
UE CIVIL ONLY WORK ORDER (UW) N
PERMIT REQUIRED Y
PERMIT TYPE TBD
OUTAGE REQUIRED Y
OUTAGE DATE: TBD TBL
TRAFFIC CONTROL REQUIRED Y
PED. TRAFFIC CONTROL REQ'D N
CONVEYANCE LETTER REQ'D N
ENVIRONMENTAL CLEARANCE REQ'D Y
CEC 140 (T&M) REQ'D N
FINAL DESIGN
APPROVED FOR CONSTRUCTION
TD1540680
PROJECT CONSTRUCTION LOCATION:
PW#6305811 2020 WOOP DCTS
LOST CANYON DR AND TAPO CANYON RD
SIMI VALLEY, CA 93063
Southern California Edison Company
SHEET 2 of 2
DRAWING NO. 1145611 0.01