

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 *Crestline / Arrowhead CA*
- ☐ GHI CREW INTRODUCTION *9-17-2019*
- ☐ IS A TRANSLATOR REQUIRED *CS poles (2100LB max)*
- ☐ WORK STOP AUTHORITY
- ☐ DESIGNATE A 911 CALLER *600 Playground Drive*
- ☐ 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	☐ 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.
	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	☐ 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 #: SEE LIST
ADDRESS: 600 PLAYGROUND DR : CRESTLINE CA
LANDING ZONE LATITUDE 34°13'33.74"N LATITUDE 117°18'39.23"W
749278E LATITUDE 34°14'14.47"N LATITUDE 117°19'15.60"W
749274E LATITUDE 34°14'20.64"N LATITUDE 117°19'15.72"W
749272E LATITUDE 34°14'23.56"N LATITUDE 117°19'15.73"W
CONTACT AT SITE: PROENERGY PHONE#: 714-293-2538
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

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) ↓ 45 CL 1 (1) ↑ 45 CL 1 2000 LBS (2) ↓ 40 CL 1 COMP (2) ↑ 40 CL 1 COMP 900 LBS

CLASS OF LOAD: EXTL CL B TYPE OF ITEM LIFTING: POLE ☐ AERODYNAMIC ☒ NON-AERODYNAMIC MAX 2100 LBS

NO. OF LIFTS: 8 LONG LINE: (NO) XXX (YES) LESS THEN 100 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
9-17-2019	SUNRISE	SUNSET	9-10-2019
AGENCY NAME:	PHONE#:	PERSON NOTIFIED:	DATE:
TWIN PEAK POLICE	909-336-0600	WATCH COMMANDER	NOTIFY
SANT BERNARDINO FIRE	909-338-0625	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
NONE		
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

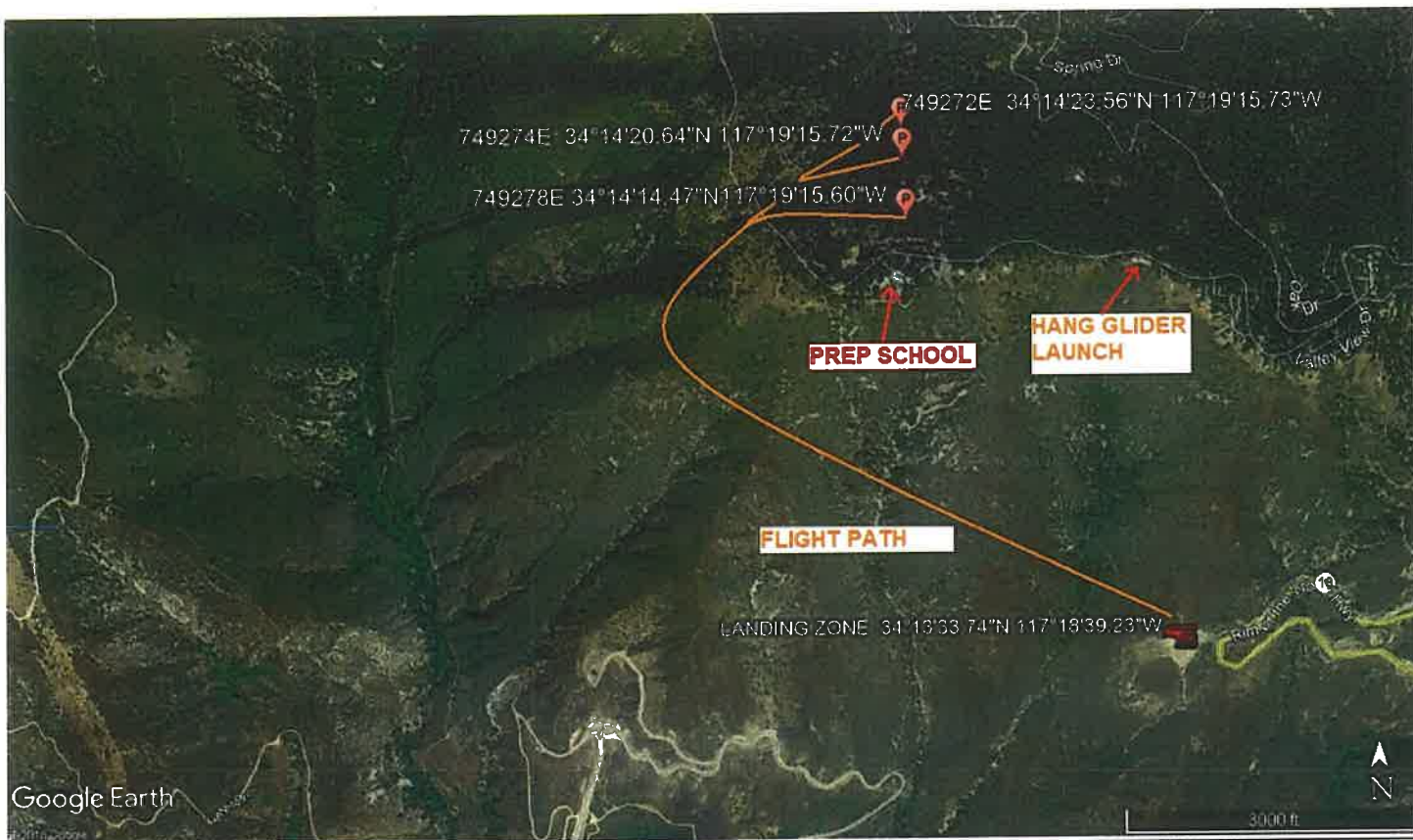
ONLY PERSONNEL ESSENTIAL TO COMPLETING THE JOB SAFELY WILL BE PERMITTED TO PARTICIPATE IN THE EVOLUTION. ONLY PERSONNEL PARTICIPATING IN THE SAFETY BRIEF WILL BE PERMITTED TO BE IN THE AREA OF OPERATIONS. ONLY AUTHORIZED ESSENTIAL PERSONAL WILL BE PERMITTED IN THE IMMEDIATE AREA OF OPERATIONS. IN THE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

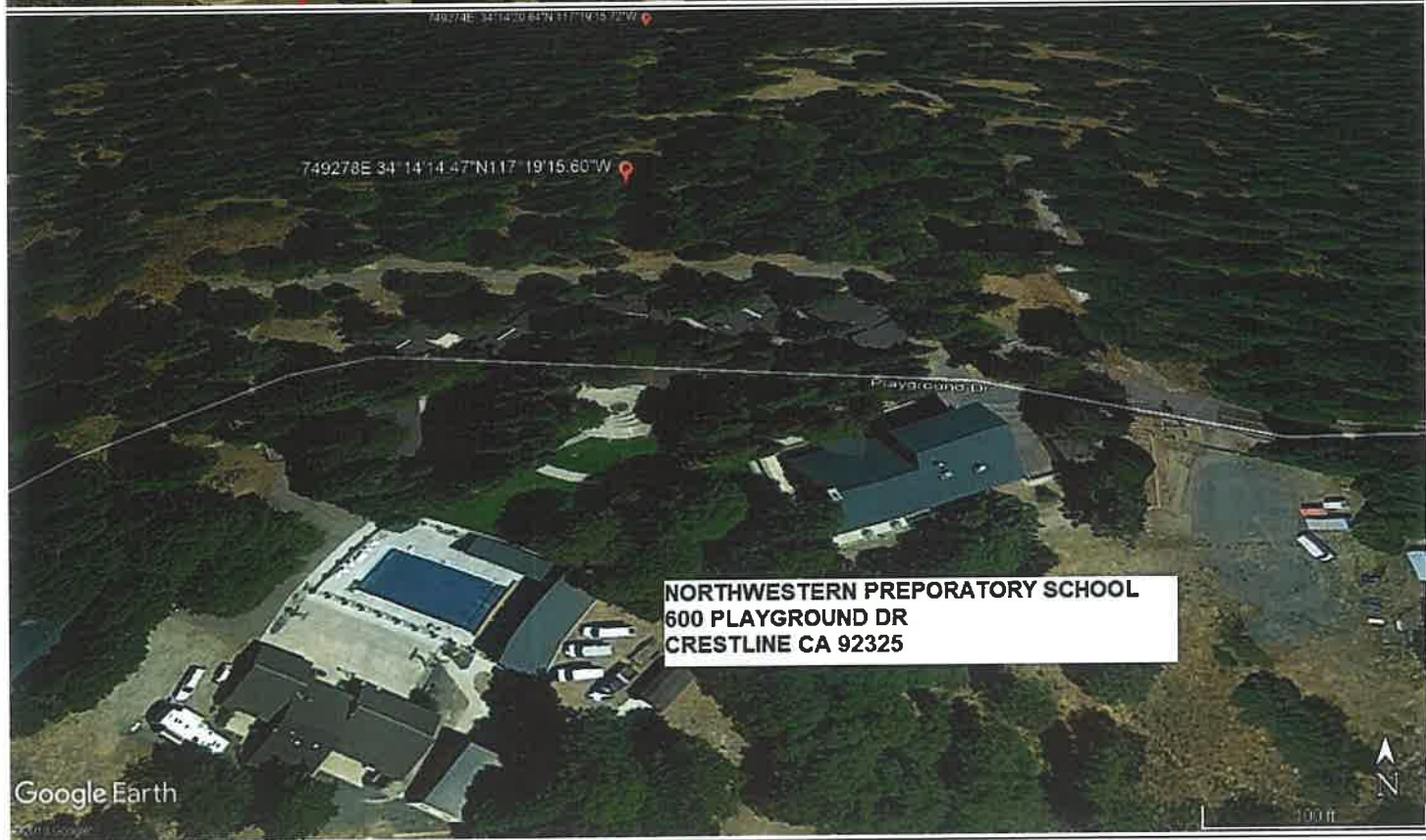
DURING THE LIFT EVOLUTION THE AIRCRAFT AND GROUND CREW WILL ALL BE IN RADIO COMMUNICATIONS. IN THE EVENT OF LOSS COMMUNICATIONS, THE CREW WILL USE STANDARD HAND SIGNALS TO COMMUNICATE WITH THE PILOT. WHEN THE PILOT IS CLEAR HE WILL MOVE THE AIRCRAFT TO A SAFE LOCATION TO ALLOW THE COMMUNICATION PROBLEM 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. THE POLES WILL BE STAGED AT THE LANDING ZONE . LZ POLE WILL BE 450 FT FROM 18 HWY
2. FUELING WILL BE CONDUCTED AT THE LANDING ZONE
3. EMERGENCY LANDING ZONE IS AT THE STAGING AREA AND ALONG THE FLIGHT PATH
4. TAILBOARD SAFETY BRIEF CONDUCTED AT THE STAGING AREA PRIOR TO FLIGHT
5. FLAGMAN WILL NEED TO STOP TRAFFIC ON PLAYGROUND DR WHILE HELICOPTER IS SETTING POLES CLOSE TO THE STREET. FLAGMAN AT THE STAGING AREA TO KEEP PEOPLE FROM COMING IN THE STAGING AREA. FLAGMAN AT THE HANG GLIDER LAUNCHING AREA TO PREVENT LAUNCHING DURING OPERATION
6. SEE DRAWING BELOW FOR LOCATIONS OF CLOSURES
7. WATER TRUCK REQUIRED AT LANDING ZONE
8. HOMES/BUILDINGS WITHIN THE OPREATION AREA WILL BE VACANT
9. THE CONTRACTOR WILL TRIM TREES IF REQUIRED







9-10-2019

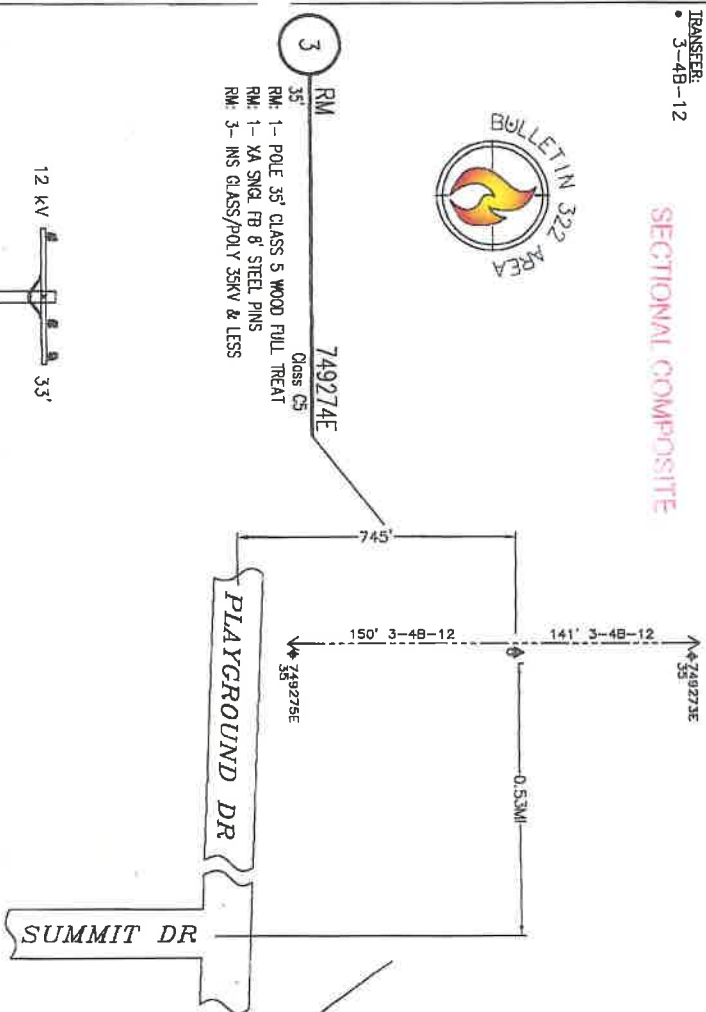
DATE OF SUBMISSION

Jeffrey M. Jentura

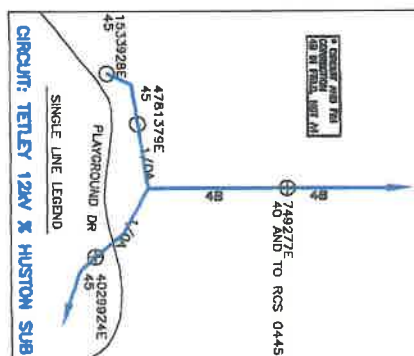
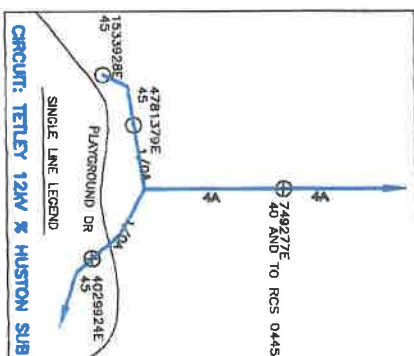
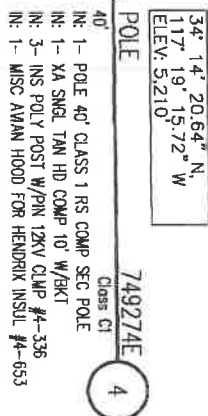
COMPANY OFFICIAL / TITLE

- TRANSFER:
• 3-4B-12

SECTIONAL COMPOSITE



PROJECT REQUIREMENTS (Y/N)	
EROSION PREVENTION REQUIRED	N
PM10 PM10 REQUIRED	N
USE CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE:	
OUTSIDE REQUIRED	N
DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	N
PEDESTRIAN CONTROL REQUIRED	N
CONCRETE LETTER REQUIRED	N
ENVIRONMENTAL CLEARANCE REQUIRED	Y
CSO 140 (TWA) REQUIRED	N

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NOT TO SCALE

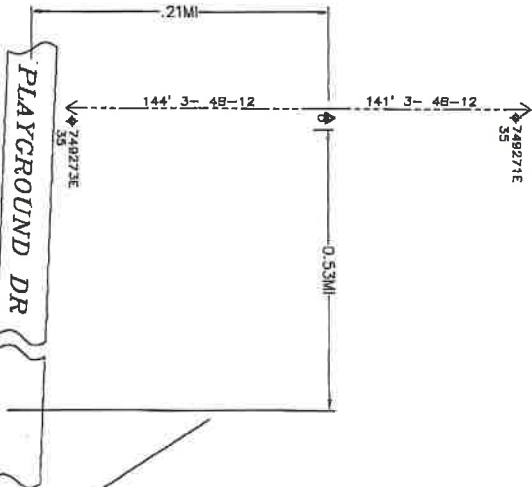
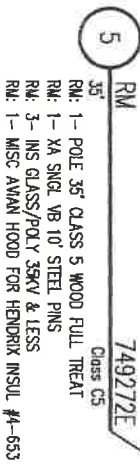


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SECTIONS

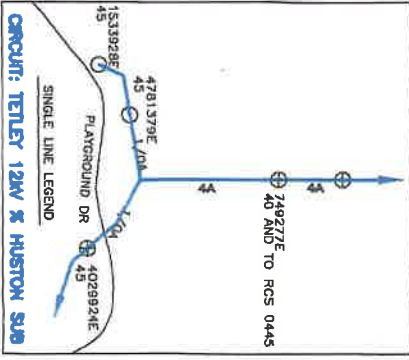
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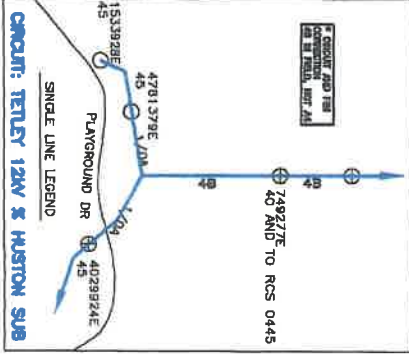
SUMMIT DR

PROJECT REQUIREMENTS (Y/N)	
EXHIBIT ASSEMBLY REQUIRED	N
PAVED BD REQUIRED	N
US CIVIL ONLY WORK ORDER	N
PERMIT REQUIRED	Y
PERMIT TYPE _____	
OUTAGE REQUIRED	N
OUTAGE DATE: _____ TIME: _____	
TRAFFIC CONTROL REQUIRED	N
PEL. TRAFFIC CONTROL REQ'D	N
CONVEYANCE LETTER REQ'D	N
ENVIRONMENTAL CLEARANCE REQ'D	Y
CSD 140 (TUL) REQ'D	N

D124 Rev 02/09/18



EXISTING SINGLE LINE



PROPOSED SINGLE LINE

34° 14' 23.56" N,
117° 19' 15.73" W
ELEV: 5,143'

40'	Class C1
IN: 1- POLE 40' CLASS 1 RS COMP SEC POLE	
IN: 1- XA SNGL TAN HD COMP 10' W/BKT	
IN: 3- INS POLY POST W/PIN 12KV CLMP #4-336	
IN: 1- MISC-AWAY HOOD FOR HENDRIX INSUL #4-653	

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DISTRICT 40 - ARROWHEAD		PRJ. MGR. GALLARDO, ANTHONY		PLANNER DIVERSIFIED UTILITIES		DESIGNER DIVERSIFIED UTILITIES	
PROJECT NO.	SERVICE REQUEST	MSR NO.	PRODUCT-1	PHONE 661-325-2712		ASSOC. DESIGN	
16763461	1583391		1454880 - DET POLE REPLACEMENT			ASSOC. DESIGN	
CONCAT / VOLUME			PRODUCT-2			ASSOC. DESIGN	
TELETYPE 124V						ASSOC. DESIGN	
SUB / PG. NO.		CONCAT CODE	PRODUCT-3			ASSOC. DESIGN	
X HUSTON E3							
INVENTORY MAP	268 - 2205 - 1	JD A. NO.	PROPOSED CONSTRUCTION (LOCATION)				
			STR# 749272E				
			.21MI N/O PLAYGROUND DR 0.53MI W/O SLUIT DR				
			ARROWHEAD, CA				
1/2/2010							
DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAY#	SHEET	DESIGN DURING NO.	
						1085781	0.01

NOT TO SCALE

Southern California Edison Company

_____ of _____

1085781_0.01

