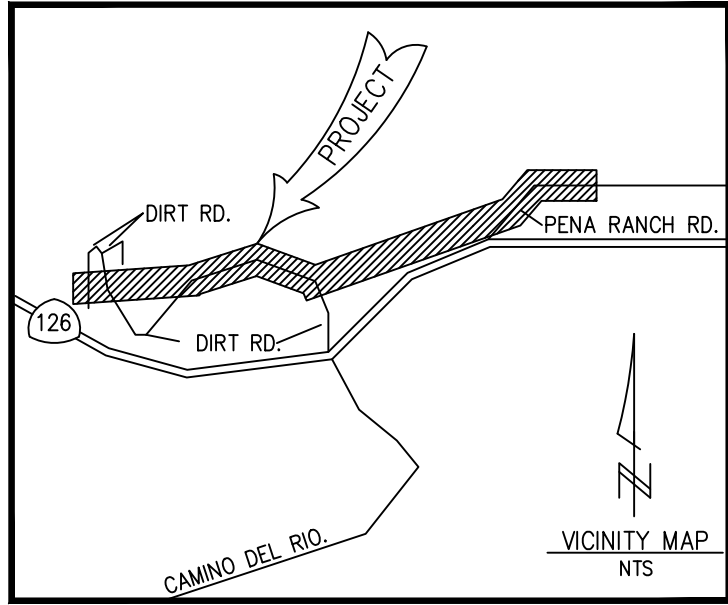
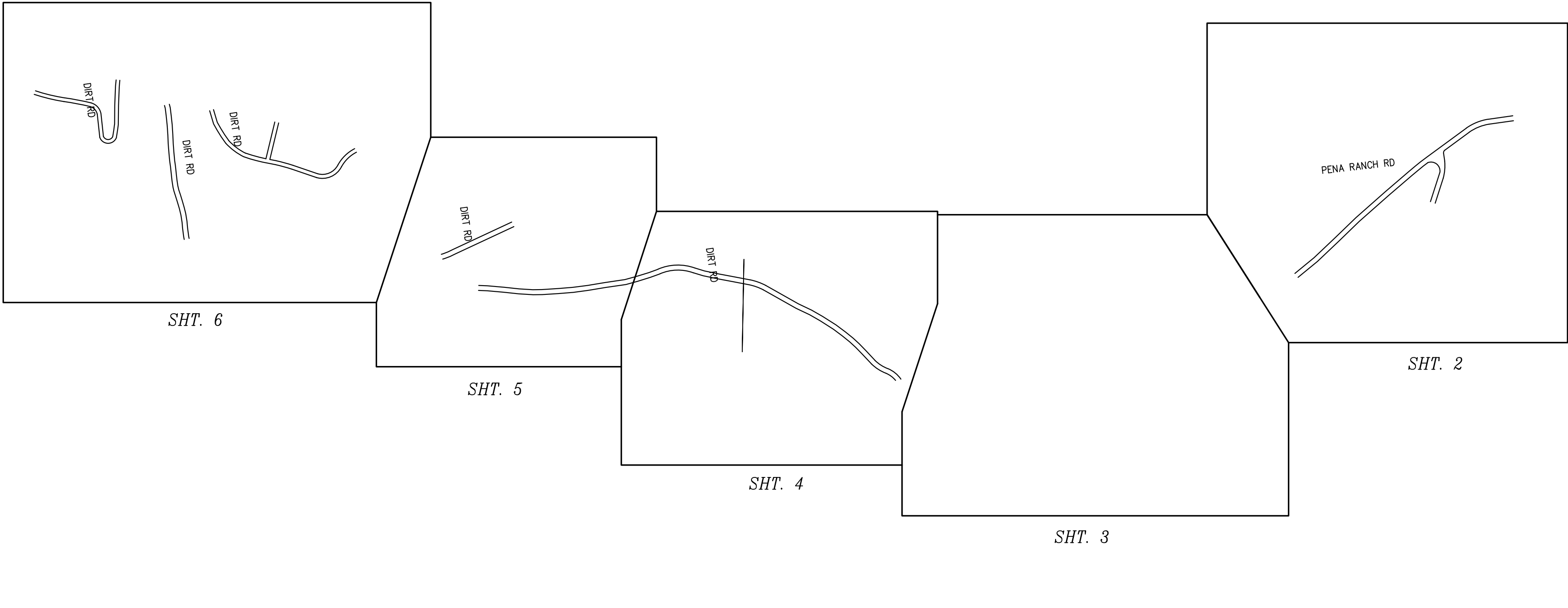




SHEET INDEX



GENERAL NOTE:
-RE-USE EXISTING WOOD CROSSARM.
-EAGLE ZONE
-TRUCK ACCESS UNLESS OTHERWISE NOTED.

HFRA	COMMODITY: WCCP
DESIGNED OH COVERED CONDUCTOR CIRCUIT MILES: 1.20	
OH COMMODITIES INCLUDE: WCCP, OCP, WPC, 4KV CUTOVER, DSP, DCU	
* OH CONDUCTOR CIRCUIT MILES = (TOTAL OF SPAN LENGTH)/5280	
* ALWAYS ROUND CIRCUIT/CONDUCTOR MILES TO THE NEAREST HUNDREDTH (XX.XX)	

01440: 07/24/24

CIRCUIT NAME	STRUCTURE		SPAN (FEET)	INITIAL STRINGING DATA TD2241774									FINAL MID SPAN SAG (ft) @ 130°F	MAX G095 DESIGN TENSION (lb)	CABLE TYPE
	From	To		Key	30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F			
Guitar 16kV	836077E-836078E	836079E-836080E	599.06	Mid Span Sags (ft)	11.92	12.39	12.86	13.33	13.81	14.27	14.73	15.18	17.7	2845	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir
				Tension (lb) at 836077E-836078E	2216	2133	2057	1986	1918	1857	1801	1748			
				Tension (lb) at 836079E-836080E	2164	2081	2005	1934	1866	1805	1749	1697			
Guitar 16kV	836064E-836065E	836066E	527.48	Mid Span Sags (ft)	8.62	9.04	9.47	9.9	10.33	10.76	11.18	11.6	13.95	2845	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir
				Tension (lb) at 836064E-836065E	2296	2190	2093	2003	1918	1843	1774	1711			
				Tension (lb) at 836066E	2288	2182	2085	1995	1910	1835	1766	1703			
Guitar 16kV	836066E	4434830E-4434831E	404.88	Mid Span Sags (ft)	4.62	4.93	5.26	5.6	5.96	6.32	6.68	7.04	9.11	2844	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir
				Tension (lb) at 836066E	2513	2356	2210	2076	1951	1840	1741	1651			
				Tension (lb) at 4434830E-4434831E	2520	2363	2217	2083	1958	1847	1748	1658			
Guitar 16kV	4434830E-4434831E	836069E-836070E	718.31	Mid Span Sags (ft)	17.58	18.08	18.57	19.06	19.57	20.05	20.53	21	23.65	2845	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir
				Tension (lb) at 4434830E-4434831E	2093	2036	1982	1931	1881	1837	1795	1755			
				Tension (lb) at 836069E-836070E	2089	2031	1977	1927	1877	1833	1790	1751			

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	☒
PWRD 88 REQUIRED UG	☒
CIVIL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
PERMIT TYPE: ENCROACHMENT/EXCAVATION	
OUTAGE REQUIRED	☒
OUTAGE DATE: _____	TIME: _____
TRAFFIC CONTROL REQUIRED	☒
PED. TRAFFIC CONTROL REQ'D	☒
CONVEYANCE LETTER REQ'D	☒
ENVIRONMENTAL REQUIREMENTS DOCUMENT (ERD) REQUIRED	☒
CSD 140 (TLM) REQ'D	☒
CIRCUIT MAP CHANGE REQ'D (TD 203)	☒
DIG ALERT APP	☒
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	☒
UTILQUEST NOTIFIED	☒
FAA MARKING REQ'D	☒
FAA TYPE: _____	
ACTUAL COST WORK ORDER	☒
STANDARD ADHERENCE: 1 0 / 2024_Y	

0124: 12/12/24

FINAL DESIGN
APPROVED FOR CONSTRUCTION

RELATED TD'S/DESIGN NO.'S
TD2235834/1709171 TD2241776/1713755
TD2241768/1713747 TD2241777/1713756
TD2241769/1713748 TD2241778/1713757
TD2241770/1713749 TD2241779/1713758
TD2241771/1713705 TD2247827/1718724
TD2241772/1713751 TD2260773/1728249
TD2241773/1713752 TD2376332/1818930
TD2241775/1713754

NOTE:
MASTER SINGLE LINE AND VICINITY MAP LOCATED ON TD2235834.

GRID MAP NO.'S
LU-4208-C LU-4208-D
LU-4208-F LU-4308-D
LU-4308-E LU-4308-F

CONTRACT PLANNER: ADRIAN ESPARZA/WCEP
PHONE: 909-576-5323

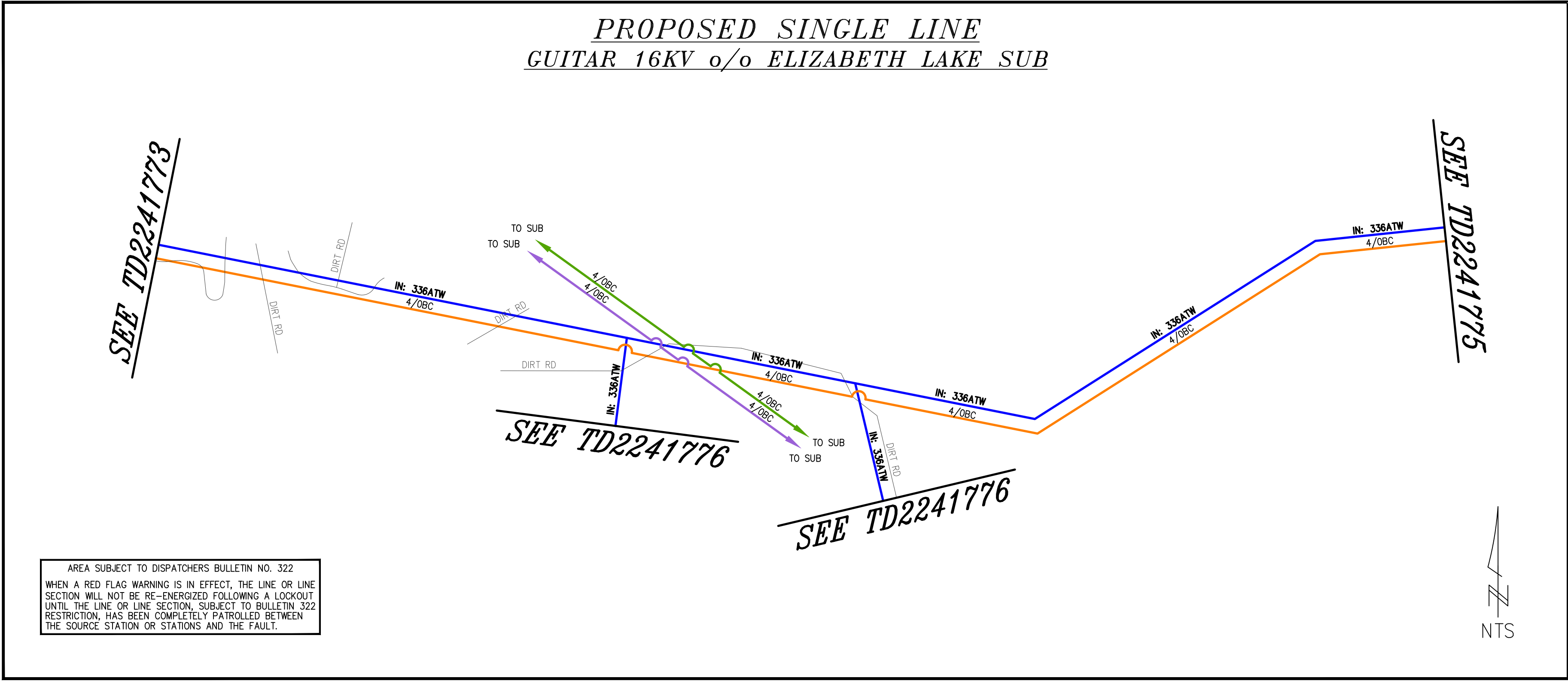
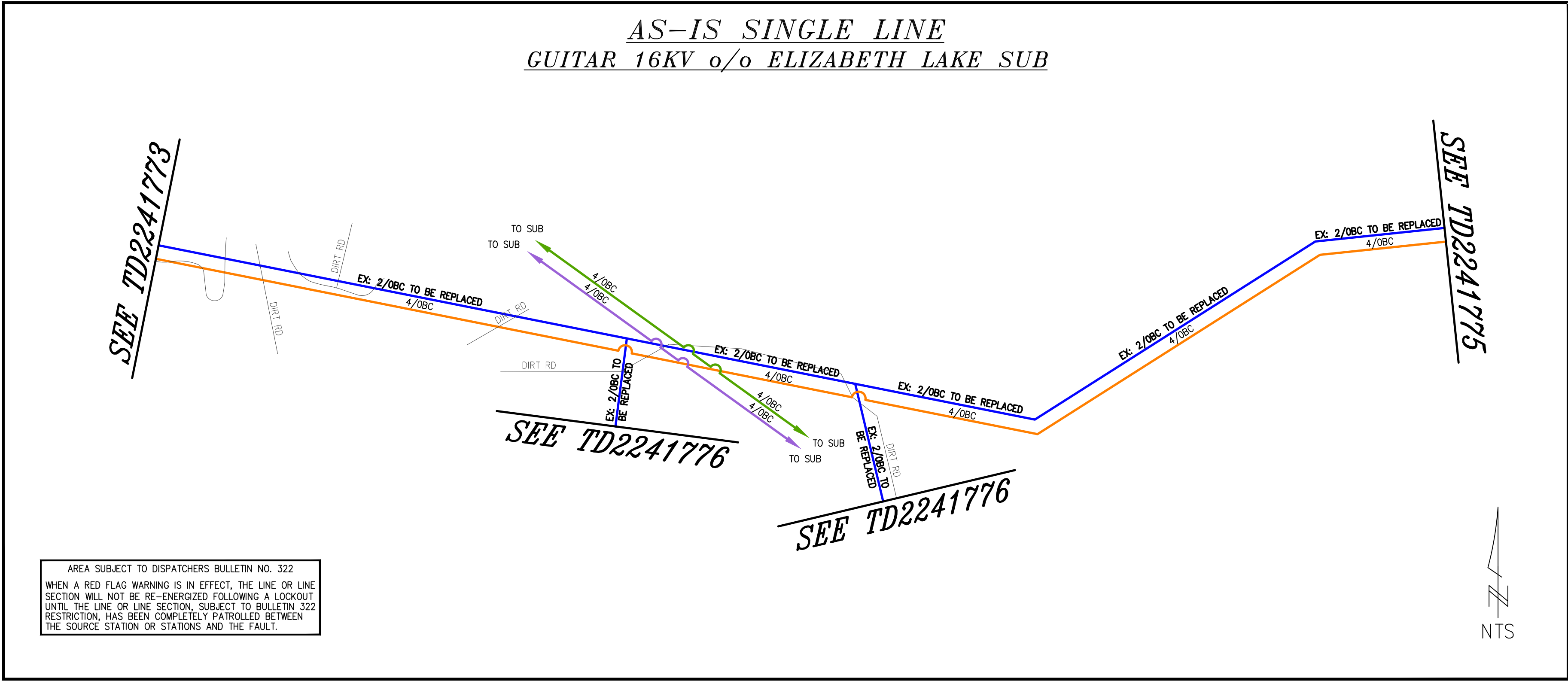
DISTRICT 59 - VALENCIA	PROJ. MGR. JONATHAN SANDERS PHONE 909-942-8436	PLANNER JASON MEDINA PHONE 805-494-7056	DESIGNER SUMMER STEPHENS
PROJECT NO. 2806320	SERVICE REQUEST 3689498	MSR NO. 2241774-GRID RESILIENCY	ASSOC DESIGN 1713753
CIRCUIT / VOLTAGE GUITAR 16KV	GPS	PRODUCT-2	ASSOC DESIGN
SUB / PG NO. ELIZABETH LAKE/ E5	CIRCUIT CODE 07742	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP SEE ABOVE	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV o/o ELIZABETH LAKE SUB VALENCIA, CA 2025 GR - COVERED CONDUCTOR	
F 3/10/26 J.LLOYD J.MEDINA			
P 01/28/25 J.BRAVO			
B 06/12/24 DT/ASP/SG OR/ASP	52823		
TYPE DATE APPROVED BY CHECKED BY DRAWN BY PAX #	SHEET	DESIGN/DRWG NO. 1713753_0.01	
Southern California Edison Company			

UNDERGROUND SERVICE ALERT
Contact USA
Dial 811 or 800-422-4133
www.digalert.org/contact

FOR UNDERGROUND LOCATING
TWO WORKING DAYS BEFORE YOU DIG

016: 03/22/24

FILE NAME: 1713753_001.DWG DATE: 3/19/2025 12:13 PM SAVED BY: BRANGLD



SINGLE LINE LEGEND

CIRCUIT 1 - GUITAR 16KV o/o ELIZABETH LAKE SUB
CIRCUIT 7 - SAUGUS-ELIZABETH LAKE-FILLMORE 66KV
CIRCUIT 8 - SAUGUS-FILLMORE NO.2 66KV
CIRCUIT 9 - IDLE SANTA CLARA-P.S.11 66KV

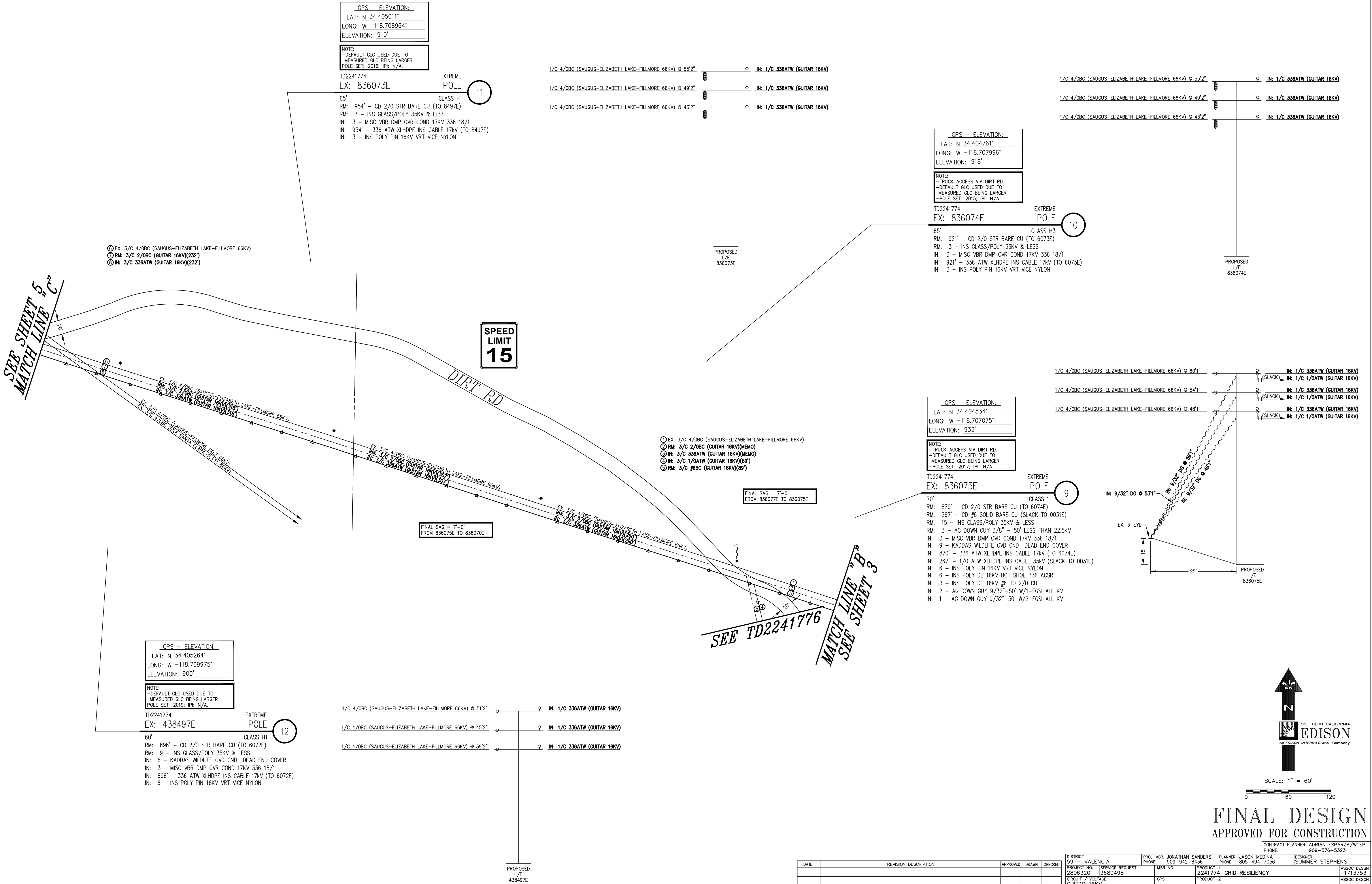
UNDERGROUND SERVICE ALERT
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FOR UNDERGROUND LOCATING
TWO WORKING DAYS BEFORE YOU DIG

D16: 03/22/24

FINAL DESIGN
APPROVED FOR CONSTRUCTION

					CONTRACT PLANNER: ADRIAN ESPARZA/WCEP PHONE: 909-576-5323						
DATE		REVISION DESCRIPTION		APPROVED	DRAWN	CHECKED	DISTRICT 59 - VALENCIA		PROJ. MGR. JONATHAN SANDERS PHONE 909-942-8436	PLANNER JASON MEDINA PHONE 805-494-7056	DESIGNER SUMMER STEPHENS
							PROJECT NO. SERVICE REQUEST 2806320 3689498		MSR NO. PRODUCT-1 2241774-GRID RESILIENCY		
							CIRCUIT / VOLTAGE GUITAR 16KV		GPS PRODUCT-2		
							SUB / PG NO. ELIZABETH LAKE/ E5		CIRCUIT CODE PRODUCT-3 07742		
							INVENTORY MAP SEE SHEET 1		J.P.A. NO.		
							F 3/10/26 J.LLOYD J.MEDINA		PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV o/o ELIZABETH LAKE SUB		
							P 01/28/25 J.BRAVO		VALENCIA, CA		
							B 06/12/24 DT/ASP/SG OR/ASP 52823		2025 GR - COVERED CONDUCTOR		
TYPE		DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET		DESIGN/DRWG NO.		
		Southern California Edison Company					1A of 6		1713753_0.01		



FINAL DESIGN
APPROVED FOR CONSTRUCTION



SCALE: 1" = 60'
0 60 120

REVISION DESCRIPTION			APPROVED	DRAWN	CHECKED	DISTRICT 59 - VALENCIA			PROJ. MGR. JONATHAN SANDERS PHONE 909-942-8436			PLANNER JASON MEDINA PHONE 805-494-7056			DESIGNER SUMMER STEPHENS		
PROJECT NO. 2806320			SERVICE REQUEST 3689498			MSR NO. 2241774-GRID RESILIENCY			PRODUCT-1			ASSOC DESIGN 1713753					
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SUB / PG NO. ELIZABETH LAKE/ E5			CIRCUIT CODE 07742			PRODUCT-3			ASSOC DESIGN								
INVENTORY MAP			SEE SHEET 1			J.P.A. NO.			PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV o/o ELIZABETH LAKE SUB VALENCIA, CA 2025 GR - COVERED CONDUCTOR								
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P	01/28/25		J.BRAVO														
B	06/12/24		DT/ASP/SG	CR/ASP	52823												
TYPE	DATE	APPROVED BY	CHECKED BY	DRAWN BY	PAX #	SHEET	DESIGN/DRWG NO.										
Southern California Edison Company						4 of 6			1713753_0.01								

