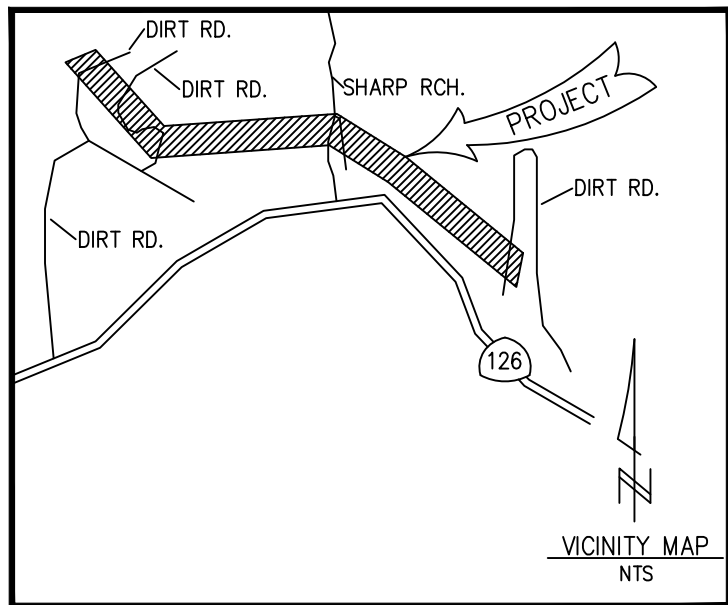
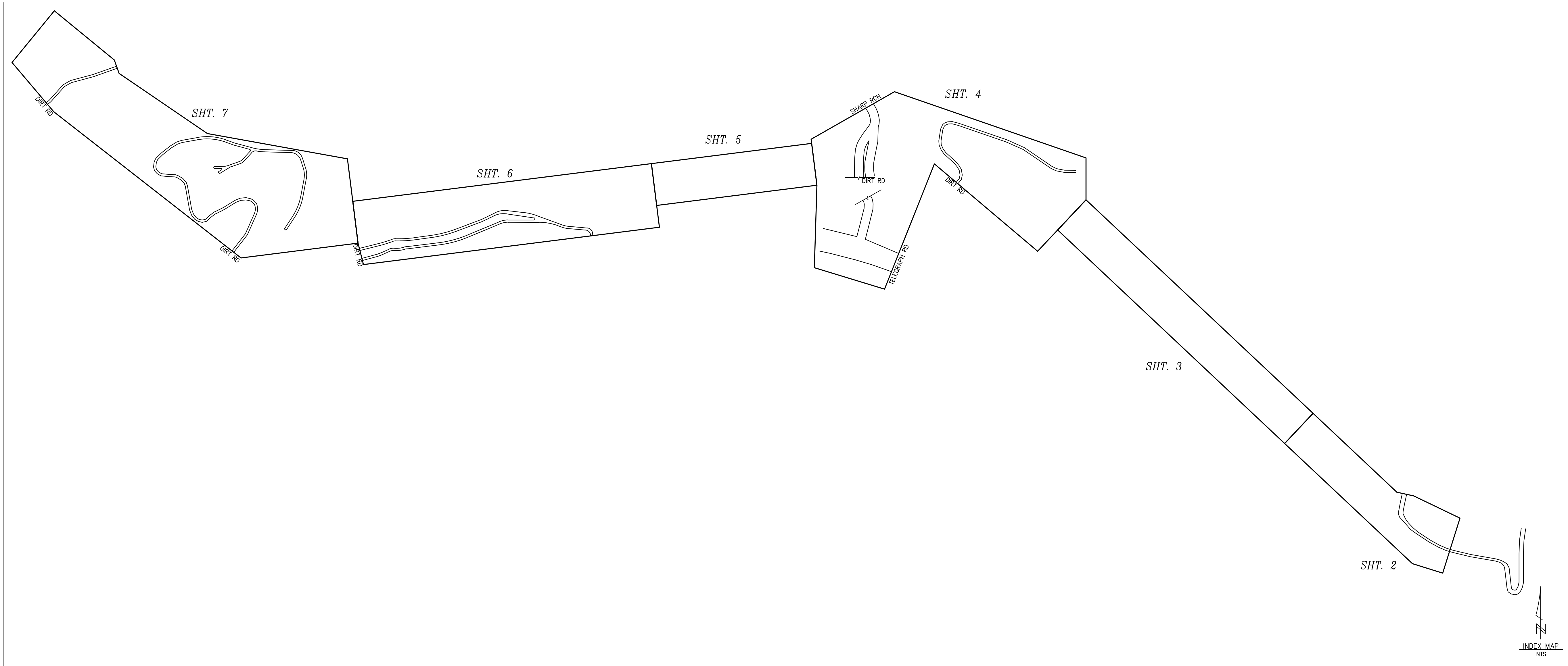




GENERAL NOTE:
-EAGLE ZONE
-RE-USE EXISTING WOOD CROSSARM
-TRUCK ACCESS UNLESS OTHERWISE NOTED

HFRA	COMMODITY: WCCP
DESIGNED OH COVERED CONDUCTOR CIRCUIT MILES:	1.19
OH COMMODITIES INCLUDE: WCCP, OCP, WPC, APC, 4KV CUTOVER, DSP, DCU	
• OH CONDUCTOR CIRCUIT MILES = (TOTAL OF SPAN LENGTH)/3280	
• ALWAYS ROUND CIRCUIT/CONDUCTOR MILES TO THE NEAREST HUNDREETH (XX.XX)	

0144G: 07/24/24



CIRCUIT NAME	STRUCTURE		(FEET) SPAN	Key	INITIAL STRINGING DATA Guitar 16kV										SPAN SAG TENS. MIN	130°F (lb) @ MAX GOBS	TENSION (lb) DESIGN MAX GOBS		TYPE CABLE
	From	To			30°F	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F						
Guitar 16kV	836043E-836042E	4761076E-4761077E	614.05	Mid Span Sags (ft) Tension (lb) at 836043E-836042E Tension (lb) at 4761076E-4761077E Catenaries	12.36 2181 2165	12.83 2103 2086	13.3 2029 2012	13.76 1962 1945	14.24 1896 1879	14.7 1838 1821	15.15 1784 1767	15.6 1733 1716	16.04 1686 1669	18.11	2844	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4761076E-4761077E	4446301E-4446302E	653.86	Mid Span Sags (ft) Tension (lb) at 4761076E-4761077E Tension (lb) at 4446301E-4446302E Catenaries	14.84 2056 2046	15.32 1992 1983	15.79 1933 1924	16.26 1876 1868	16.75 1821 1815	17.21 1773 1767	17.66 1731 1721	18.11 1689 1679	18.55 1649 1639	20.61	2817	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4446301E-4446302E	836048E-836049E	801.95	Mid Span Sags (ft) Tension (lb) at 4446301E-4446302E Tension (lb) at 836048E-836049E Catenaries	23.13 1989 2049	23.65 1945 2005	24.17 1903 1963	24.68 1863 1924	25.22 1788 1844	25.72 1754 1814	26.21 1724 1784	26.7 1702 1754	27.19 1691 1752	29.44	2817	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	836048E-836049E	4510191E-451092E	184.76	Mid Span Sags (ft) Tension (lb) at 836048E-836049E Tension (lb) at 4510191E-451092E Catenaries	0.96 2553 2545	1.05 2319 2312	1.17 2091 2083	1.31 1872 1865	1.47 1666 1658	1.65 1483 1475	1.85 1323 1316	2.06 1188 1180	2.28 1074 1067	3.31	2817	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4510191E-451092E	1927314E_15E	964.46	Mid Span Sags (ft) Tension (lb) at 4510191E-451092E Tension (lb) at 1927314E_15E Catenaries	33.8 1971 1972	34.33 1941 1942	34.86 1912 1913	35.38 1884 1885	35.94 1855 1856	36.45 1830 1831	36.96 1805 1806	37.46 1781 1782	37.96 1758 1759	40.33	2842	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	1927314E_15E	4510683E-836054E	306.17	Mid Span Sags (ft) Tension (lb) at 1927314E_15E Tension (lb) at 4510683E-836054E Catenaries	2.87 2380 2412	3.1 2201 2233	3.35 2034 2066	3.62 1882 1914	3.91 1742 1774	4.2 1620 1652	4.5 1513 1545	4.8 1418 1450	5.1 1334 1366	6.4	2612	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4510683E-836054E	4752959E-4752960E	327.25	Mid Span Sags (ft) Tension (lb) at 4510683E-836054E Tension (lb) at 4752959E-4752960E Catenaries	3.22 2357 2354	3.48 2181 2178	3.77 2018 2014	4.07 1889 1865	4.39 1732 1728	4.72 1612 1609	5.05 1507 1504	5.38 1414 1411	5.71 1333 1329	7.16	2612	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4752959E-4752960E	4752961E-4752962E	958.95	Mid Span Sags (ft) Tension (lb) at 4752959E-4752960E Tension (lb) at 4752961E-4752962E Catenaries	33.4 1983 1988	33.94 1933 1957	34.47 1903 1928	34.99 1863 1902	35.55 1820 1870	36.06 1784 1819	36.57 1754 1804	37.08 1721 1819	37.58 1711 1795	39.95	2856	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			
Guitar 16kV	4752961E-4752962E	1927316E-1871670E	895.61	Mid Span Sags (ft) Tension (lb) at 4752961E-4752962E Tension (lb) at 1927316E-1871670E Catenaries	29.06 2021 1969	29.59 1986 1933	30.12 1952 1899	30.64 1920 1867	31.2 1887 1867	31.71 1857 1844	32.21 1829 1776	32.72 1802 1749	33.21 1776 1723	35.56	2860	336.4 kcmil 18-1 17kV ACSR-TRHDXLPE 15-75-75mil Gray - Southwire Verified_2022_04_01.wir			

PROJECT REQUIREMENTS (Y/N)	
EDISON EASEMENT REQUIRED	☒
PWRD 88 REQUIRED UG	☒
CIVIL ONLY WORK ORDER	☒
PERMIT REQUIRED	☒
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 (ID 203)	☒
DIG ALERT APP	☒
VERIFIED ACTIVE AND CONFIRMED USA TICKETS	☐
UTILQUEST NOTIFIED	☐
FAA MARKING REQ'D	☐
FAA TYPE: _____	
ACTUAL COST WORK ORDER	☐
STANDARD ADHERENCE: <u>1_Q_2024_Y</u>	

0124: 12/12/24

RELATED TD'S/DESIGN NO.'S
TD2241774/1713753

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

GRID MAP NO.'S
LU-4009-G LU-4009-H
LU-4108-B LU-4108-D
LU-4109-G LU-4109-H
LU-4208-C

FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONTRACT PLANNER: ADRIAN EZPARZA/WCCP
PHONE: 909-576-5323

DISTRICT 59 - VALENCIA	PROJ. MGR. BURGESS, CAROLINA	PLANNER MEDINA, JASON MICHAEL	DESIGNER SUMMER STEPHENS
PROJECT NO. 2806320	SERVICE REQUEST 3689498	MSR NO. 2241773-GRID RESILIENCY	ASSOC DESGN 1713752
CIRCUIT / VOLTAGE GUITAR 16KV	GPS	PRODUCT-2	ASSOC DESGN
SUB / PG NO. ELIZABETH LAKE/ F1, F2	CIRCUIT CODE 07742	PRODUCT-3	ASSOC DESGN
INVENTORY MAP SEE ABOVE	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV % ELIZABETH LAKE SUB VALENCIA, CA 2025 GR - COVERED CONDUCTOR	
F 3/5/26	J.LLOYD	J.MEDINA	
B 6/12/24	DT/ASP/TT	CR/ASP	
TYPE DATE	APPROVED BY	CHECKED BY	DRAWN BY
Southern California Edison Company			
SHEET 1 of 7			DESIGN/DRWS NO. 1713752_0.01

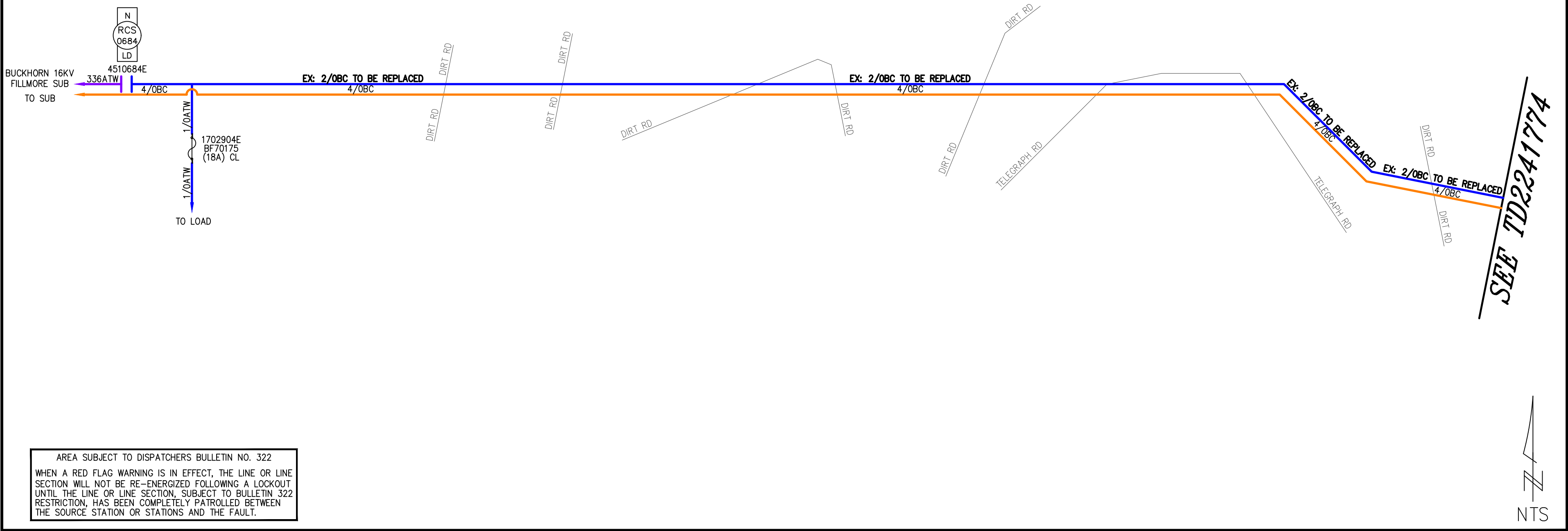
UNDERGROUND SERVICE ALERT
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www.digalert.org/contact

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TWO WORKING DAYS BEFORE YOU DIG

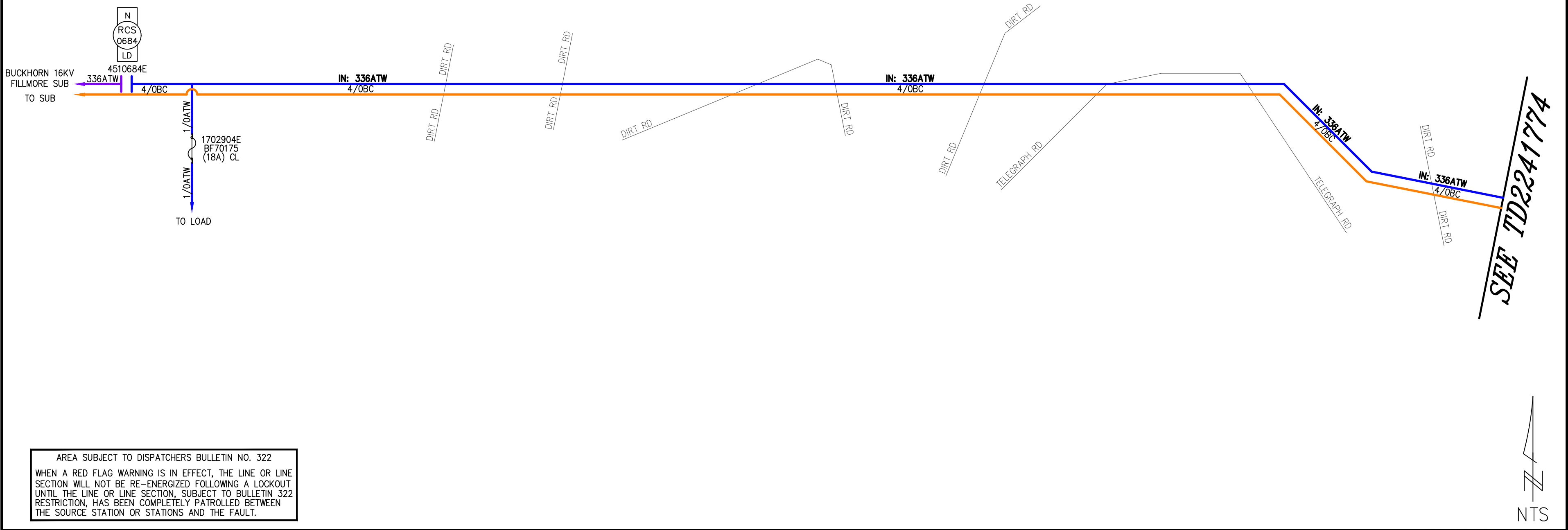
016: 03/22/24

FILE NAME: 1713752_0.01.DWG DATE: 3/19/2026 2:16 PM SAVED BY: GONZALEZ

AS-IS SINGLE LINE
GUITAR 16KV o/o ELIZABETH LAKE SUB



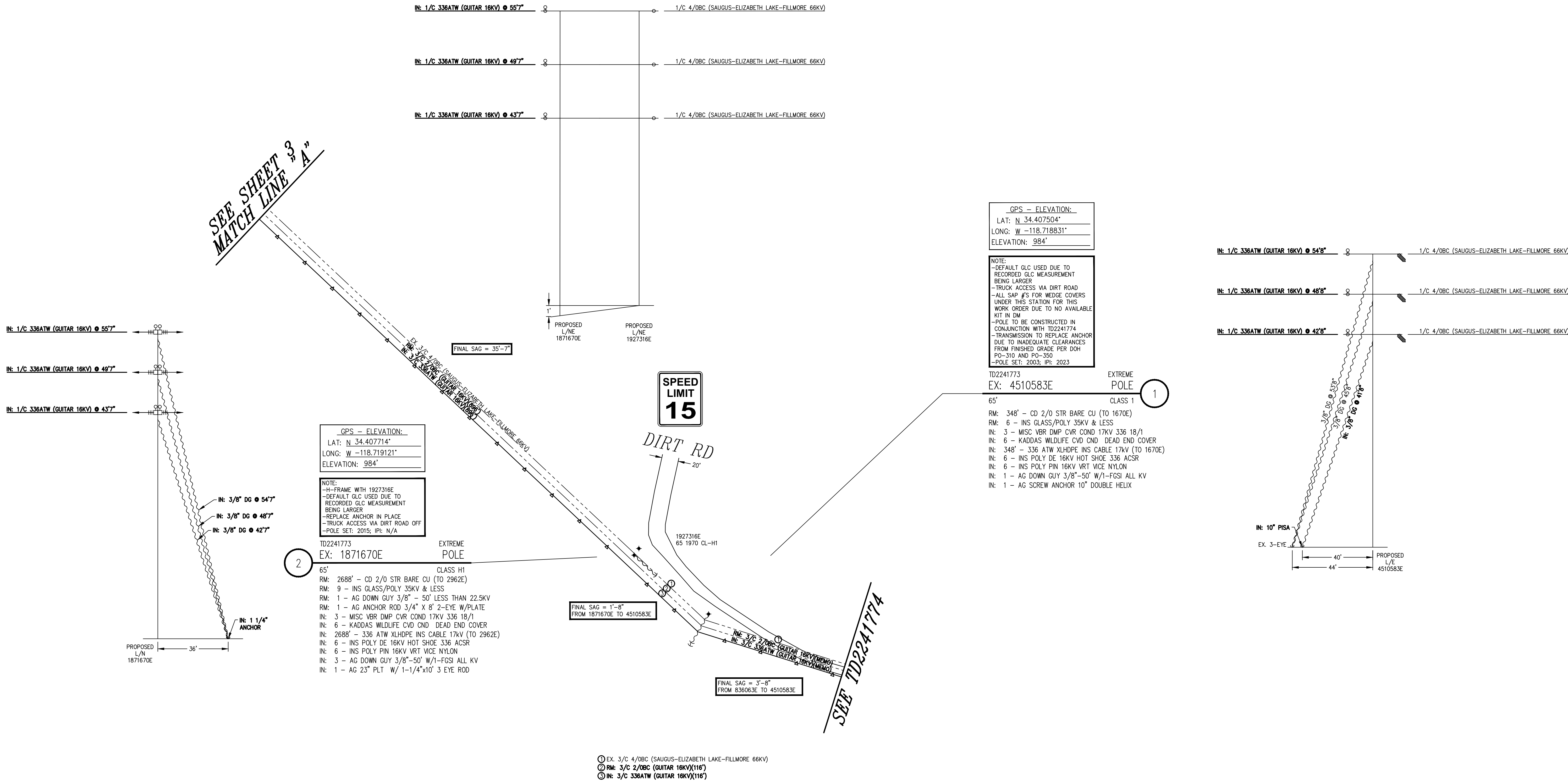
PROPOSED SINGLE LINE
GUITAR 16KV o/o ELIZABETH LAKE SUB



SINGLE LINE LEGEND
CIRCUIT 1 = GUITAR 16KV o/o ELIZABETH LAKE SUB
CIRCUIT 6 = BUCKHORN 16KV o/o FILLMORE SUB
CIRCUIT 7 = SAUGUS-ELIZABETH LAKE-FILLMORE 66KV

FINAL DESIGN
APPROVED FOR CONSTRUCTION

DATE	REVISION DESCRIPTION				APPROVED	DRAWN	CHECKED	DISTRICT 59 - VALENCIA		PROJ. MGR. BURGESS, CAROLINA PHONE: 805-477-9873		PLANNER MEDINA, JASON MICHAEL PHONE: 805-494-7056		DESIGNER SUMMER STEPHENS		
								PROJECT NO. 2806320		SERVICE REQUEST 3689498		MSR NO. 2241773		PRODUCT-1 GRID RESILIENCY		ASSOC DESIGNER 1713752
								CIRCUIT / VOLTAGE GUITAR 16KV		GPS		PRODUCT-2				ASSOC DESIGNER
								SUB / PG NO. ELIZABETH LAKE/ F1, F2		CIRCUIT CODE 07742		PRODUCT-3				ASSOC DESIGNER
								INVENTORY MAP SEE ABOVE		J.P.A. NO.				PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV % ELIZABETH LAKE SUB VALENCIA, CA		
								F 3/5/26		J.LLOYD		J.MEDINA				2025 GR - COVERED CONDUCTOR
								B 6/12/24		DT/ASP/TT		CR/ASP				
								TYPE DATE		APPROVED BY		CHECKED BY		DRAWN BY		PAX #



SCALE: 1" = 60'

0 60 120

FINAL DESIGN
APPROVED FOR CONSTRUCTION

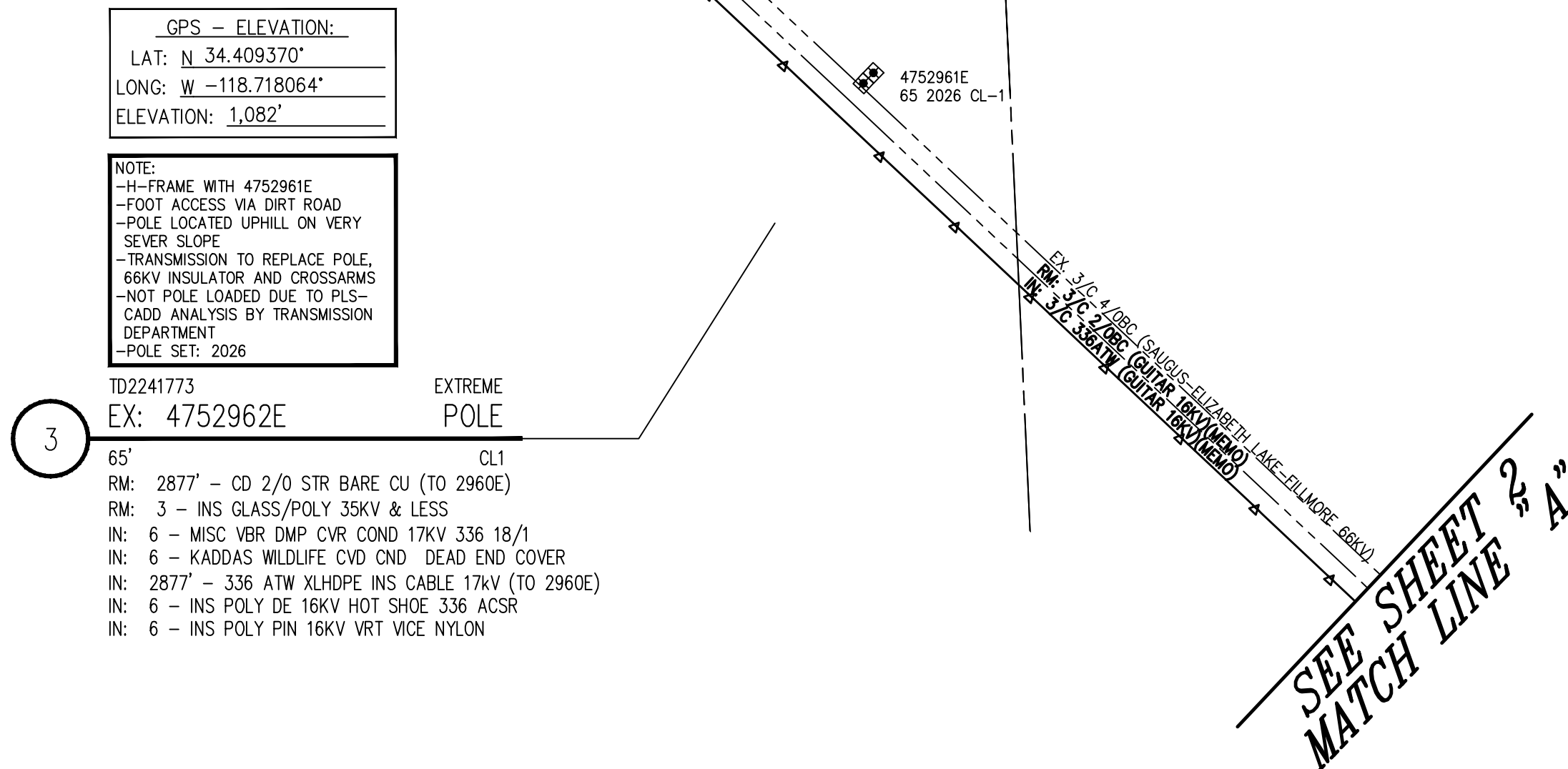
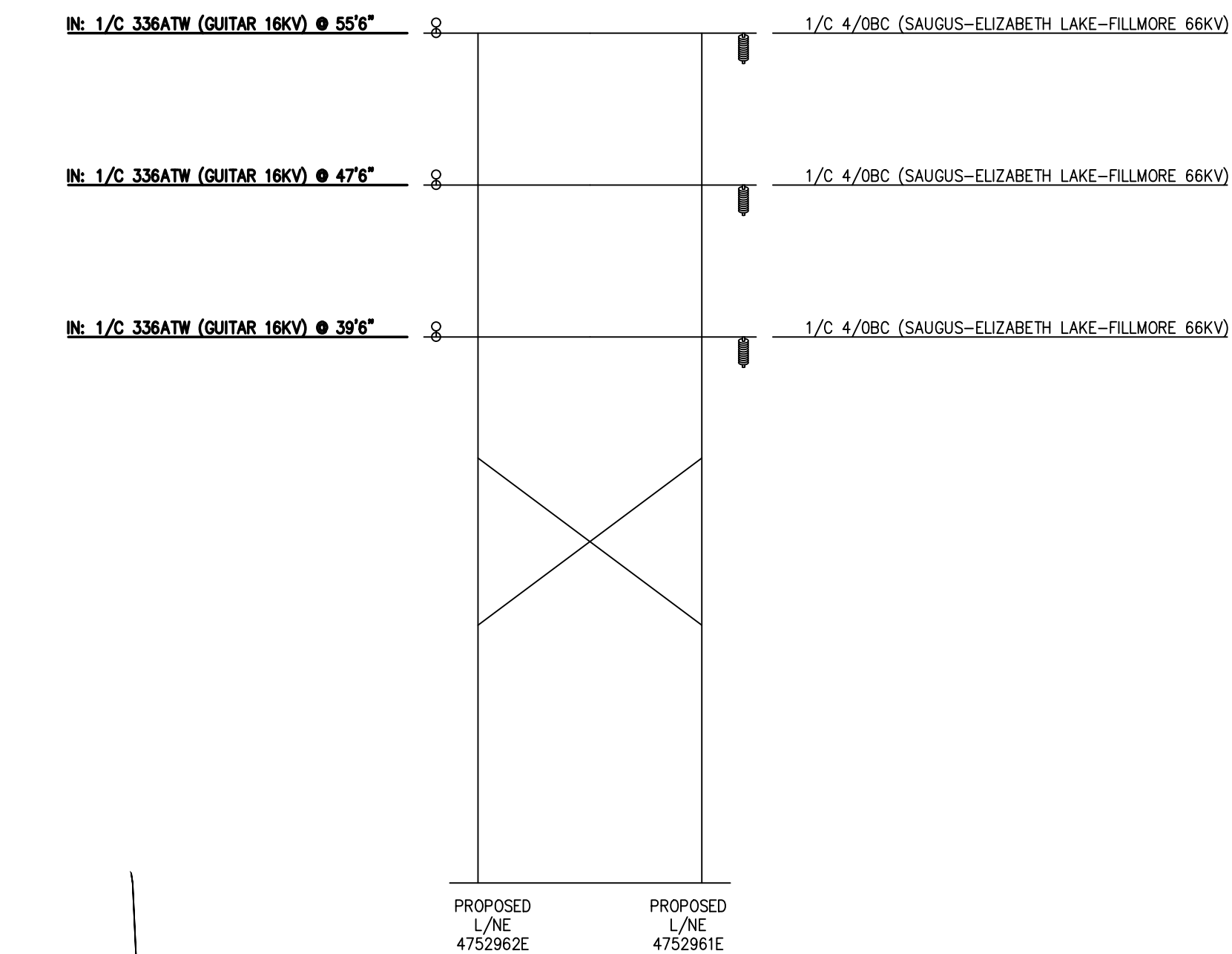
GRID MAP NO.'S
LU-4009-G LU-4009-H
LU-4108-B LU-4108-D
LU-4109-G LU-4109-H
LU-4208-C

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

DISTRICT 59 - VALENCIA	PROJ. MGR. BURGESS, CAROLINA PHONE 805-477-9573	PLANNER MEDINA, JASON MICHAEL PHONE 805-494-7056	DESIGNER SUMMER STEPHENS
PROJECT NO. 2806320	SERVICE REQUEST 3689498	MSR NO. 2241773-GRID RESILIENCY	ASSOC DESIGN 1713752
CIRCUIT / VOLTAGE GUITAR 16KV	GPS	PRODUCT-2	ASSOC DESIGN
SUB / PG NO. ELIZABETH LAKE / F1, F2	CIRCUIT CODE 07742	PRODUCT-3	ASSOC DESIGN
INVENTORY MAP SEE ABOVE	J.P.A. NO.	PROPOSED CONSTRUCTION (LOCATION) PIF#559019 - GUITAR 16KV % ELIZABETH LAKE SUB VALENCIA, CA 2025 GR - COVERED CONDUCTOR	
F 3/5/26 J.LLOYD J.MEDINA			
B 6/12/24 DT/ASP/TT CR/ASP			
TYPE DATE APPROVED BY CHECKED BY DRAWN BY PAX #			
Southern California Edison Company			
SHEET 2 of 7			DESIGN/DRWG NO. 1713752_0.01

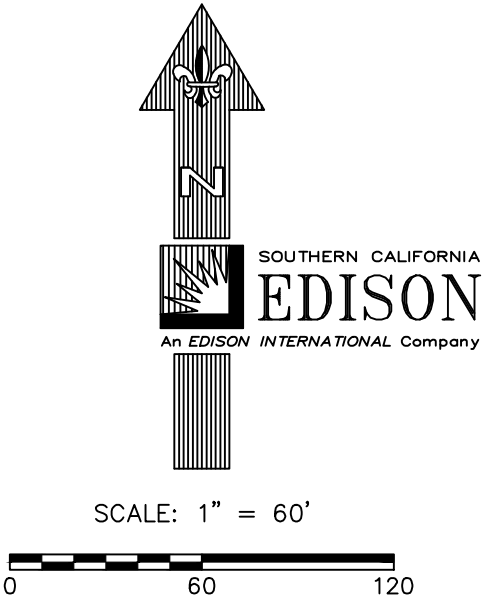
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CONTRACT PLANNER: ADRIAN EZPARZA/WCEP
PHONE: 909-576-5323

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TWO WORKING DAYS BEFORE YOU DIG



GRID MAP NO.'S

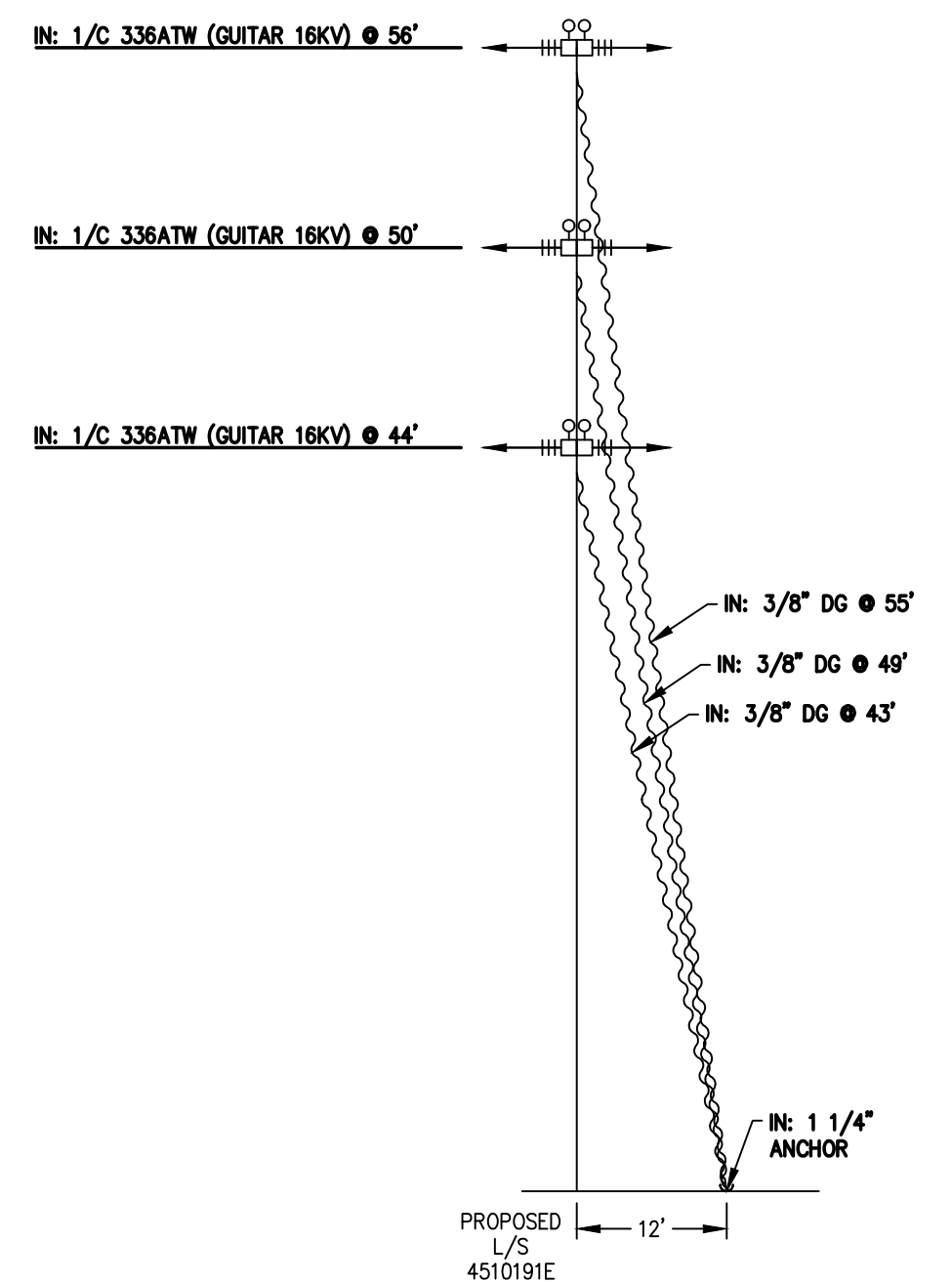
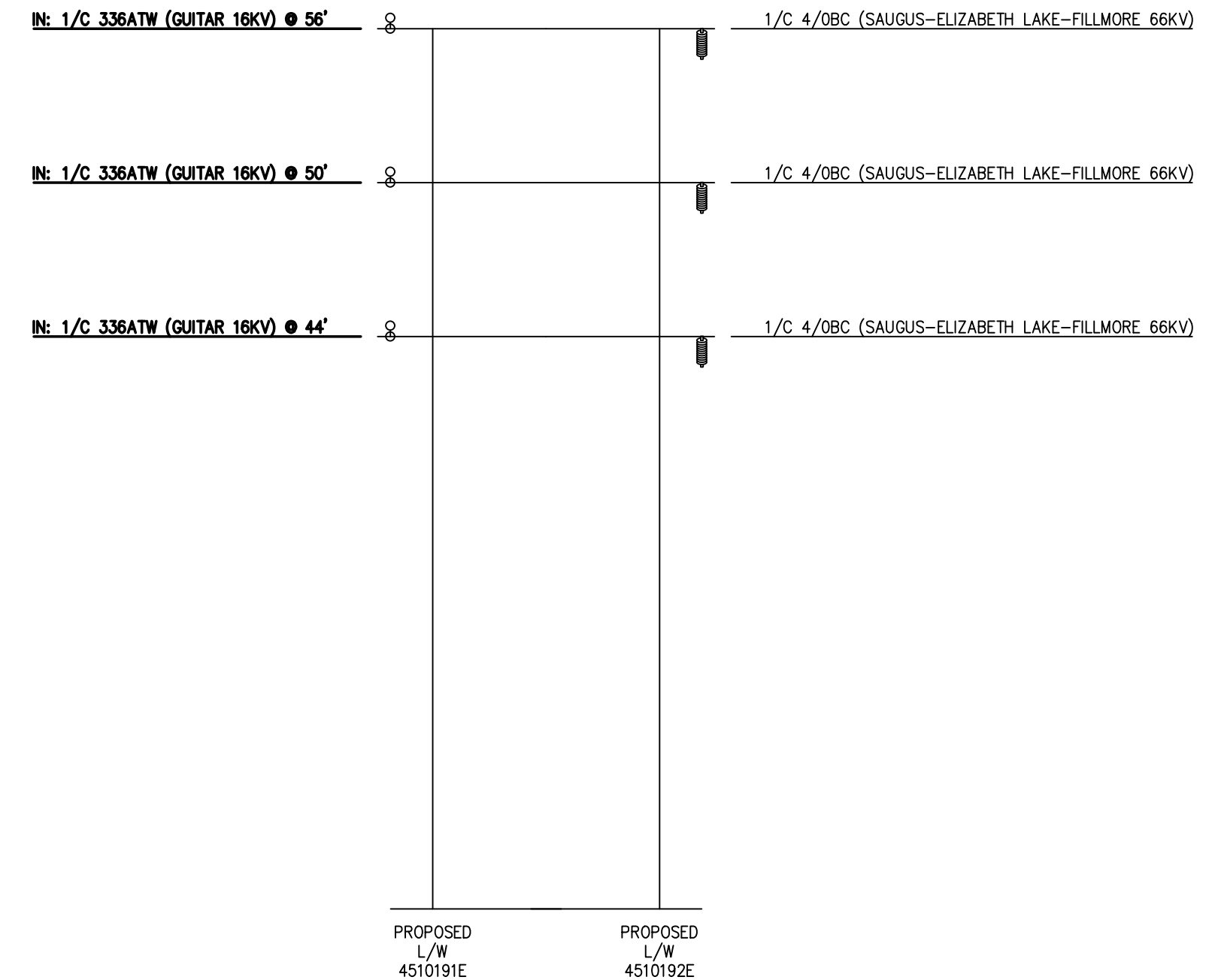
LU-4009-G	LU-4009-H
LU-4108-B	LU-4108-D
LU-4109-G	LU-4109-H
LU-4208-C	

CONTRACT PLANNER: ADRIAN EZPARZA/WCEP
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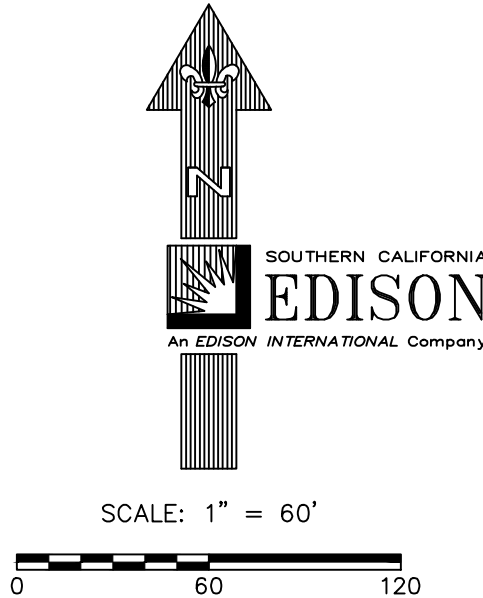
016: 03/22/24



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

FOR UNDERGROUND LOCATING
TWO WORKING DAYS BEFORE YOU DIG

D16: 03/22/24



FINAL DESIGN

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TWO WORKING DAYS BEFORE YOU DIG

[illegible]

DISCRIT		PROJ. MGR. BURGESS, CAROLINA		PLANNER MEDINA, JASON		DESIGNER SUMMER STEPHENS	
SQ = SERVICE		PHR. MOR. 805-477-9573		PHONE 805-494-7056		DESIGNER STEPHENS	
PROJECT NO. 12		NSR NO.		PROJECT-1		ASSOC. DESIGNER	
CIRCUIT 206		GPS		PROJECT-2		ASSOC. DESIGNER	
CROCK / VOLTAGE		GPS		PROJECT-3		ASSOC. DESIGNER	
SUB / PG. NO.		CIRCUIT CODE		PROJECT-3		ASSOC. DESIGNER	
ELIZABETH LAKE / F1, F2		07742		PROJECT-3		ASSOC. DESIGNER	
INVENTORY MAP		SEE ABOVE		J.P.A. NO.		PROPOSED CONSTRUCTION (LOCATION)	
						PI#559019 - GUITAR 16KV % ELIZABETH LAKE SUB	
						ELIZABETH - CUITAR	
						2025 GR - COVERED CONDUCTOR	
F 3/5/26		JL/UD		JMEDINA			
B 6/12/24				DT/ASP/TT		CR/ASP	
TYPE		DATE		APPROVED BY		CHECKED BY	
						DRAWN BY	
						PAX #	
Southern California Edison Company							
SHEET						DESIGN/DRWG NO.	
6 OF 7						1713752-0.01	

