

**FIRSTNET/AT&T SITE ID:** CCL05539  
**FIRSTNET/AT&T SITE NAME:** ALVARADO ST & CALLAWAY ST  
**FA LOCATION CODE:** 15521709  
**USID:** 314957  
**PAGE #:** MRSFR077581

**CANC-SLEAN01**  
 440 PERALTA AVENUE  
 SAN LEANDRO, CA 94577  
**ALAMEDA**  
**MONOPINE**  
**80'-0"**

**PSTC SITE #:**  
**SITE ADDRESS:**  
**COUNTY:**  
**SITE TYPE:**  
**TOWER HEIGHT:**

**SITE INFORMATION**

PSTC SITE NAME: 440 PERALTA  
 SITE ADDRESS: 440 PERALTA AVENUE  
 COUNTY: ALAMEDA  
 MAP/PARCEL #: 754295-14  
 AREA OF CONSTRUCTION: 1,235 SQ FT  
 LATITUDE: N 37° 43' 41.58" (317.728211)  
 LONGITUDE: W 122° 09' 56.26" (424.165657)  
 LAT/LONG TYPE: NAD83  
 GROUND ELEVATION: 472  
 CURRENT ZONING: DA-2  
 JURISDICTION: CITY OF SAN LEANDRO  
 OCCUPANCY CLASSIFICATION: U  
 TYPE OF CONSTRUCTION: V-8  
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION  
 PROPERTY OWNER: LEE DONALD R & JO A TRS  
 5001 EXECUTIVE PARKWAY DRIVE  
 OAKLAND, CA 94612  
 TOWER OWNER: PUBLIC SAFETY TOWERS, LLC  
 1903 WRIGHT PLACE, SUITE 140  
 CARLSBAD, CA 92008  
 CARRIER/APPLICANT: AT&T  
 ELECTRIC PROVIDER: PG&E  
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T-1	GENERAL NOTES		H
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C-2.1-2.4	FINAL ELEVATIONS		H
C-3	ANTENNA LAYOUT & SCHEDULE		H
C-4	WALK-UP-CABINET DETAILS		H
C-5	GENERATOR DETAILS		H
C-6	BATTERY DETAILS		H
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**TOWER SCOPE OF WORK**

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- INSTALL (8) FIBER TRUNKS
- INSTALL (8) FIBER TRUNKS
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**HAZARDOUS MATERIALS**

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## PROJECT NOTES:

- ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED PUBLIC SAFETY TOWERS, LLC OR ITS DESIGNATED REPRESENTATIVE.
- ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING TO HAVE SUFFICIENT EXPERIENCE AND ABILITY, IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE THE TOWER IS LOCATED.
- THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H AND CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE.
- UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO ENSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GOYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OF CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
- ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FLAWS AND DEFECTS, AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK. RENTAL CHARGES, SAFETY, PROTECTION, AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE OWNER PROJECT MANAGER. THIS INCLUDES ALL SPECIFIC MILITARY INSTALLATION INSTRUCTIONS INCLUDING STAFF ACCESS AND GATE SPECIFIC INSTRUCTIONS.
- BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER AS WELL AS ANY REQUIRED NOTICES SPECIFIC TO THE MILITARY INSTITUTION.
- THE CONTRACTOR SHALL REMOVED (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERGO THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROTECTED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIALS SHALL BE REMOVED OR REPLACED.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
- THE OWNER OR OWNERS REPRESENTATIVE SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

18. ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.

19. TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

20. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH OWNER SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO OWNER PRIOR TO THE START OF THE WORK ON THE PROJECT.

21. THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.

22. THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO THE SUBSTANTIAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL FURNISH ONE 55 GALLON BARREL OR EQUIVALENT, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.

23. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING THE PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.

24. THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.

25. THE CONTRACTOR SHALL PROVIDE DAILY UPDATES IN THE FORM OF WRITTEN NOTIFICATION VIA EMAIL OR APP PHOTOS TO THE BONGO CONSTRUCTION MANAGER.

## UTILITY NOTES:

- APPLY FOR THE UTILITY SERVICE (ELECTRIC) NO LATER THAN THE NEXT BUSINESS DAY FOLLOWING AWARD OF CONTRACT. BEFORE THE UTILITY LOCATIONS ARE IDENTIFIED, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY SERVICE PROVIDER TO OBTAIN SERVICE ROUTING, COORDINATE WITH THE TELEPHONE UTILITY COMPANY FOR EXACT TELEPHONE REQUIREMENTS AND ROUTING OF SERVICE.
- ALL UTILITY RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE UTILITY REQUIREMENTS. FIELD TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT UTILITIES AND LOCATOR SERVICE A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE TRENCHING AND CONDUITS AS SHOWN OR AS REQUIRED BY LOCAL UTILITY.
- NO PENETRATIONS TO THE TOWER FOUNDATION OF ANY KIND.

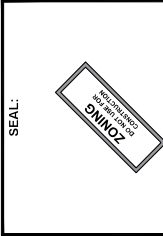


FIRSTNET/AT&T ID: CCL05639  
ALVARADO ST  
& CALLAWAY ST

PSTC #: CANC-SLEAN01  
440 PERALTA AVENUE  
SAN LEANDRO, CA 94577  
(ALAMEDA COUNTY)

PROPOSED 80'-0"  
MONOPINE TOWER

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-22	500	202406	TRMU
1	01-03-23	500	202406	TRMU
2	11-08-23	500	202406	TRMU
3	07-18-24	600	202406	TRMU



THE SEA VIOLETATION OF ANY LAW, PUBLIC ORDER, OR ANY OTHER REQUIREMENT OF THE ZONING ORDINANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SHEET TITLE:  
GENERAL NOTES

SHEET NUMBER:  
GN-1

REVISION:  
H

TEP #:  
31-4190-336174

**PUBLIC SAFETY TOWERS**  
 1903 WRIGHT PLACE, SUITE 140  
 CARLSBAD, CA 92008

**AT&T**  
 5005 EXECUTIVE PARKWAY  
 SAN RAMON, CA 94583

**TOWER ENGINEERING PROFESSIONALS**  
 4175 WILSON AVENUE  
 OFFICE (415) 252-0038  
 www.tepgrp.com

**FIRSTNET/AT&T ID: CCL05539**  
**ALVARADO ST & CALLAWAY ST**  
**PSTC #: CANC-SLEAN01**  
**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**  
**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-07-22	5502	ZONING	THRU
1	01-03-23	5502	ZONING	THRU
2	11-16-23	5502	ZONING	THRU
3	07-18-24	5502	ZONING	THRU

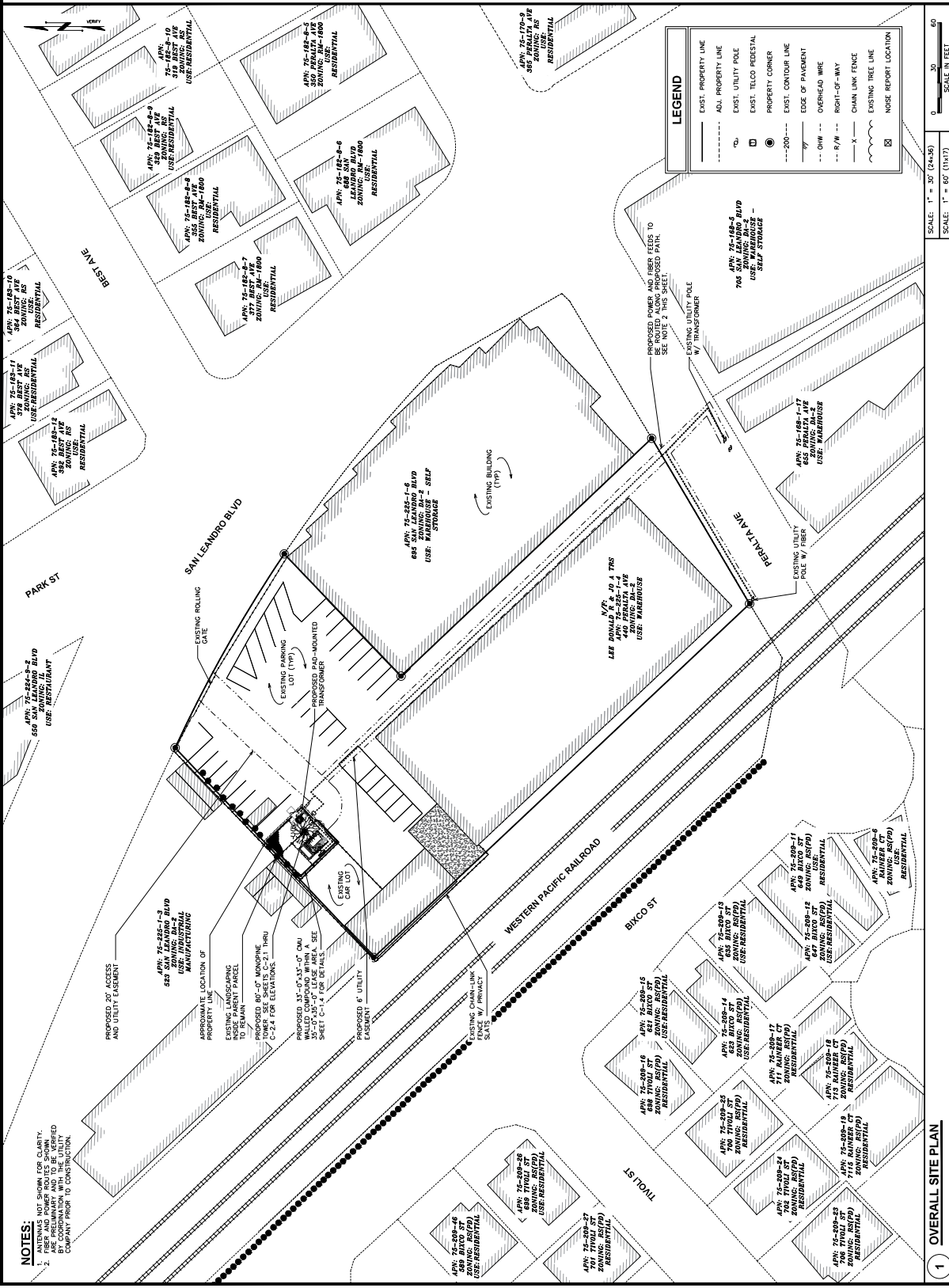
SEAL:

SHEET TITLE:  
**OVERALL SITE PLAN**

SHEET NUMBER:  
**C-1.1**

REVISION:  
**H**

TEP #:  
 314190336174



SCALE: 1" = 30' (24x35)  
 SCALE: 1" = 60' (11x17)

1 OVERALL SITE PLAN

1903 WRIGHT PLACE, SUITE 140  
CARLSBAD, CA 92008

5005 EXECUTIVE PARKWAY  
SAN RAMON, CA 94583

**TOWER ENGINEERING PROFESSIONALS**  
4715 CALIFORNIA STREET, SUITE 200  
PACIFIC PALISADES, CA 91351  
OFFICE (407) 285-0036  
www.tepgrp.com

**FIRSTNET/AT&T ID: CCL05539**  
ALVARADO ST  
& CALLAWAY ST  
  
PSTC #: CANC-SLEAN01  
440 PERALTA  
  
440 PERALTA AVENUE  
SAN LEANDRO, CA 94577  
(ALAMEDA COUNTY)  
  
PROPOSED 80'-0"  
MONOPINE TOWER

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-12	2500	200905	TRMU
1	01-10-13	2500	200905	TRMU
2	11-16-13	2500	200905	TRMU
3	07-18-14	0204	200905	TRMU

SEAL:

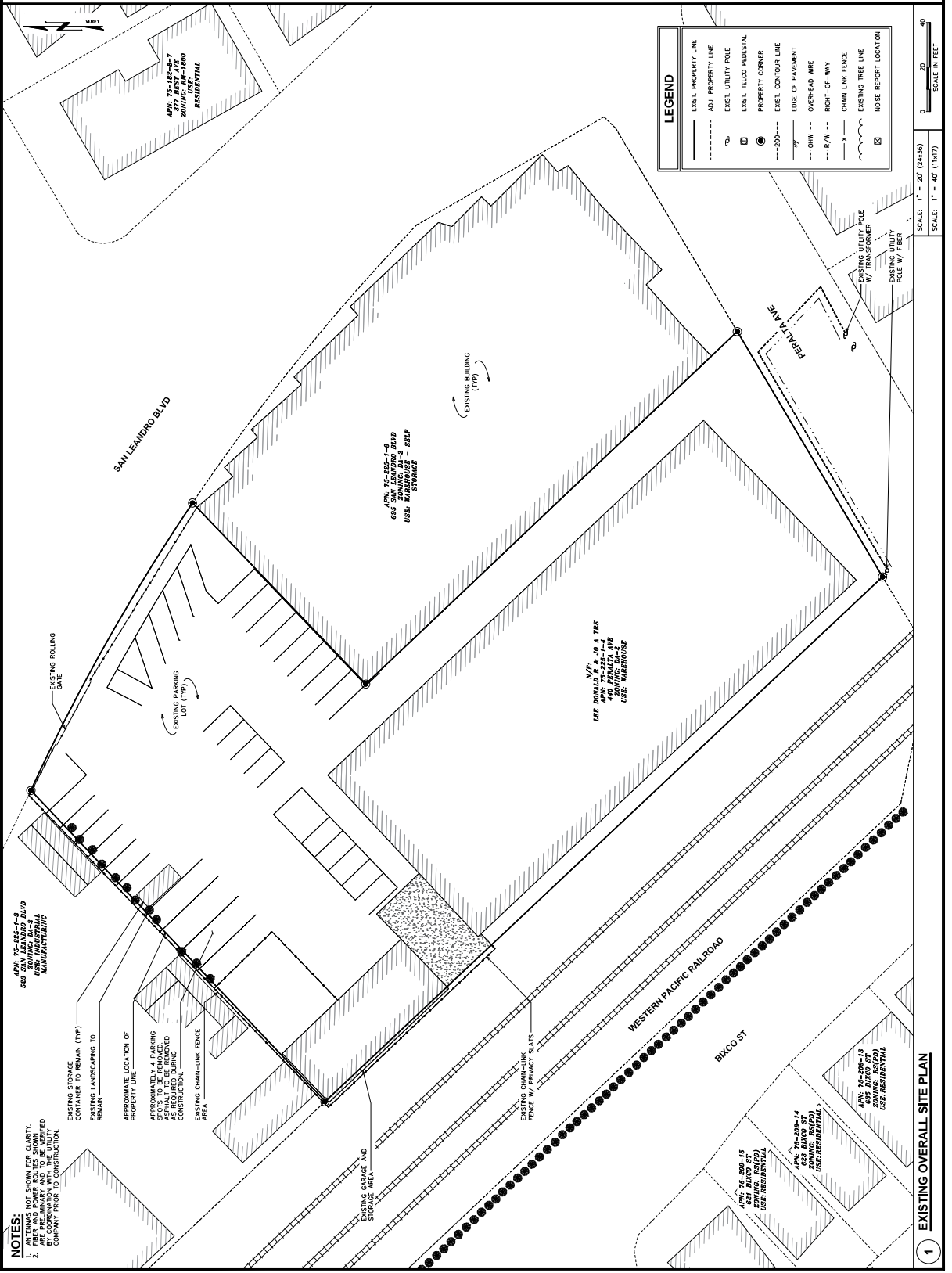
THE SEALED DOCUMENT IS VALID FOR 24 MONTHS UNLESS THERE ARE ACTIONS UNDER THE JURISDICTION OF THE BOARD OF PROFESSIONAL ENGINEERS.

SHEET TITLE:  
**EXISTING SITE PLAN**

SHEET NUMBER:  
**C-1.2**

REVISION:  
**H**

TEP #: 31-190-336174



**NOTES:**  
1. ANTENNAS NOT SHOWN FOR CLARITY.  
2. ALL ANTENNAS AND SUPPORT STRUCTURES ARE PRELIMINARY AND TO BE VERIFIED BY THE CLIENT AND ENGINEER WITH THE COMPANY PRIOR TO CONSTRUCTION.

**LEGEND**

- ADJ. PROPERTY LINE
- EXST. UTILITY POLE
- EXST. TELCO PEDESTAL
- PROPERTY CORNER
- EXST. CONTOUR LINE
- 200--- EDGE OF PAVEMENT
- OW --- OVERHEAD WIRE
- R/W --- RIGHT-OF-WAY
- X --- CHAIN LINK FENCE
- --- EXISTING TREE LINE
- NOISE REPORT LOCATION

SCALE: 1" = 40' (24x36)  
SCALE: 1" = 40' (11x17)

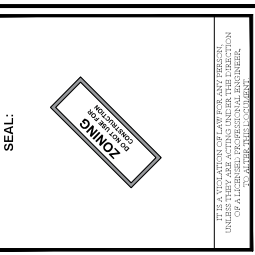
**1** EXISTING OVERALL SITE PLAN



**FIRSTNET/AT&T ID: CCL05539**  
**ALVARADO ST & CALLAWAY ST**  
**PSTC #: CANC-SLEAN01**  
**440 PERALTA**  
**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**  
**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-22	5502	2020RGS	TRMU
1	01-03-23	5502	2020RGS	TRMU
2	11-16-23	5502	2020RGS	TRMU
3	07-18-24	6204	2020RGS	TRMU

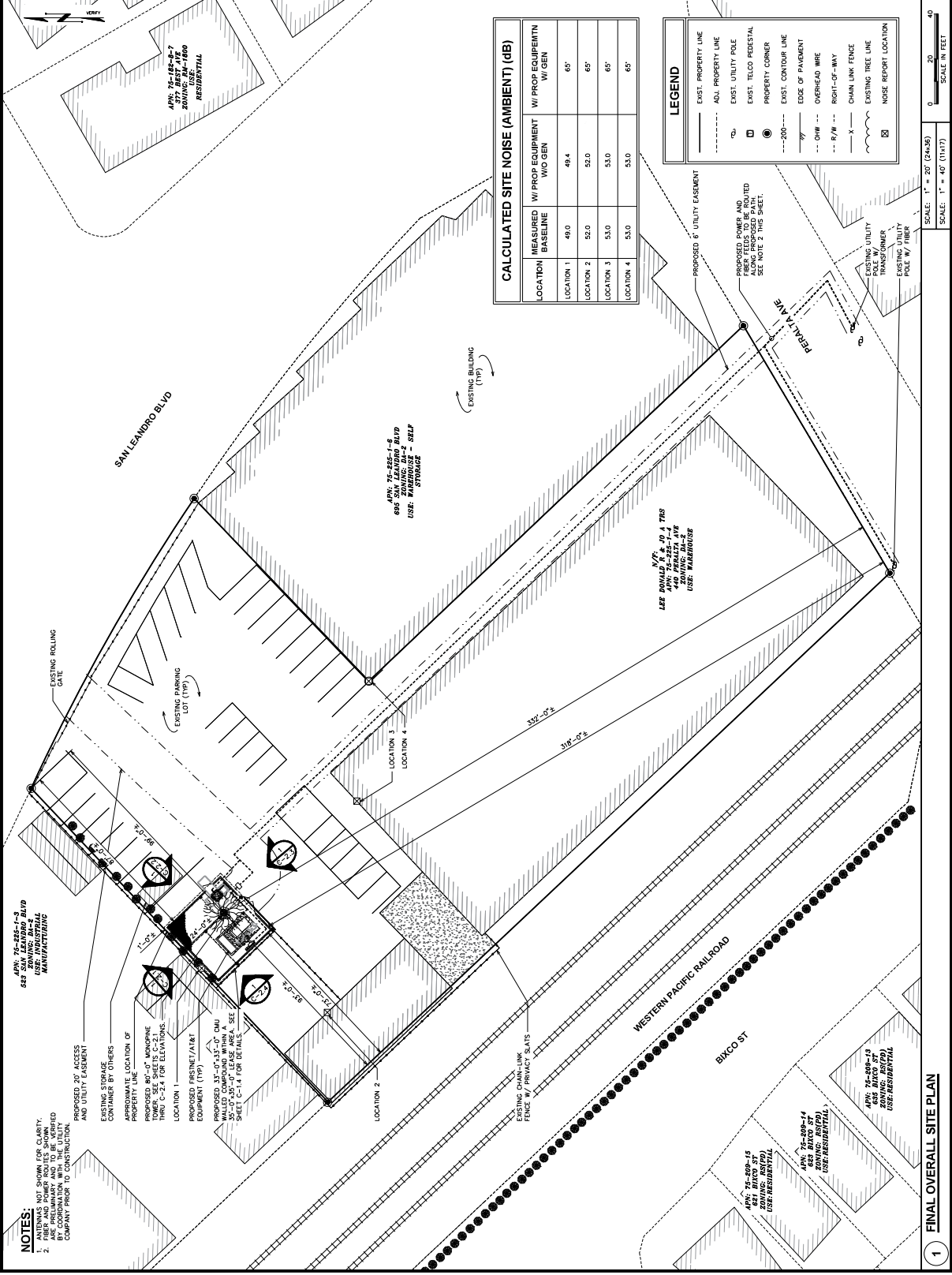


**SHEET TITLE:**  
**FINAL SITE PLAN**

**SHEET NUMBER:**  
**C-1.3**

**REVISION:**  
**H**

**TEP #:** 31-190-336174



**CALCULATED SITE NOISE (AMBIENT) (dB)**

LOCATION	MEASURED W/O GEN	W/ PROP EQUIP W/O GEN	W/ PROP EQUIP W/ GEN
LOCATION 1	49.4	49.4	65°
LOCATION 2	52.0	52.0	65°
LOCATION 3	53.0	53.0	65°
LOCATION 4	53.0	53.0	65°

**LEGEND**

- EXIST. PROPERTY LINE
- - - - - ADJ. PROPERTY LINE
- EXIST. UTILITY POLE
- EXIST. TELCO PEDESTAL
- PROPERTY CORNER
- EXIST. CONTOUR LINE
- 200--- EDGE OF PAVEMENT
- OHW --- OVERHEAD WIRE
- R/W --- RIGHT-OF-WAY
- - - - - CHAIN LINK FENCE
- EXISTING TREE LINE
- NOISE REPORT LOCATION

**NOTES:**  
 1. AREAS NOT SHOWN FOR CLARITY.  
 2. ARE PRELIMINARY AND TO BE VERIFIED BY THE CLIENT AND/OR LOCAL AGENCIES PRIOR TO CONSTRUCTION.

PROPOSED 27' ACCESS AND UTILITY CURBENT CONTAINING BY OTHERS

APPROXIMATE LOCATION OF PROPOSED 80'-0" MONOPINE TOWER. SEE SHEETS C-2.1 THRU C-2.4 FOR ELEVATIONS.

PROPOSED FRESNET/AT&T EQUIPMENT (11P)

PROPOSED 33'-0" x 33'-0" OHW 30'-0" x 30'-0" LEASE AREA. SEE SHEET C-1.4 FOR DETAILS.

APN: 75-285-1-3  
 ZONING: M1-2  
 USER: MANUFACTURING

EXISTING ROLLING GATE

EXISTING PARKING LOT (11P)

EXISTING BUILDING (11P)

APN: 75-285-1-8  
 693 SAN LEANDRO BLVD  
 USE: BARNHOUSE - SELF STORAGE

APN: 75-285-1-4  
 440 PERALTA AVE  
 ZONING: M1-2  
 USER: MANUFACTURING

APN: 75-285-1-4  
 633 BKCO ST  
 USE: RESIDENTIAL

APN: 75-285-1-1  
 635 BKCO ST  
 USE: RESIDENTIAL

SCALE: 1" = 20' (24x36)

SCALE: 1" = 40' (11x17)

**1 FINAL OVERALL SITE PLAN**

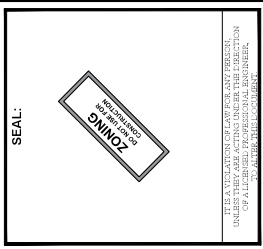


**TOWER ENGINEERING PROFESSIONALS**  
 4715 W. WOODWAY  
 PHOENIX, AZ 85040  
 OFFICE (480) 285-0036  
 www.tegroup.net

**FIRSTNET/AT&T ID: CCL05539**  
**ALVARADO ST & CALLAWAY ST**  
**PSTC #: CANC-SLEAN01**  
**440 PERALTA**  
**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**  
**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-22	5502	2020/05	THRU
1	01-09-23	5502	2020/05	THRU
2	11-16-23	5502	2020/05	THRU
3	07-18-24	6204	2020/05	THRU

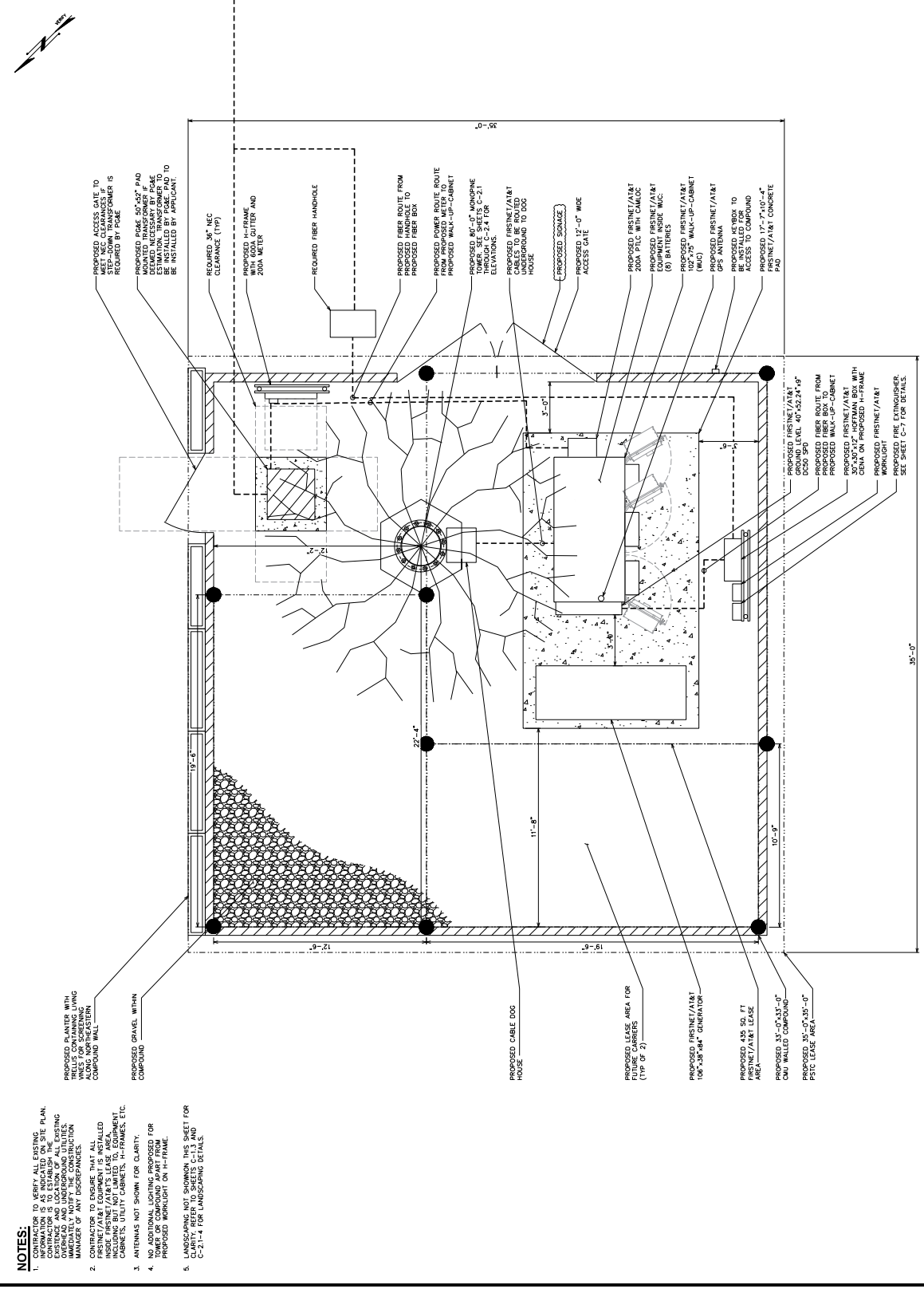


**SHEET TITLE:**  
**COMPOUND LAYOUT**

**SHEET NUMBER:**  
**C-1.4**

**REVISION:**  
**H**

**TEP #:**  
 31-4190.336174



SCALE: **N** = 1"=0' (24X8)

SCALE: **S** = 1"=0' (10X17)

SCALE IN FEET

0 2

**1** FINAL COMPOUND LAYOUT



**FIRSTNET/AT&T ID: CCL056539**  
**ALVARADO ST & CALLAWAY ST**

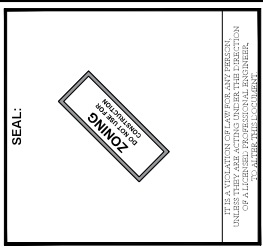
**PSTC #: CANC-SLEAN01**  
**440 PERALTA**

**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**

**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-22	5502	2024/05	THOU
1	01-10-23	5502	2024/05	THOU
2	04-18-23	5502	2024/05	THOU
3	11-16-23	5502	2024/05	THOU
4	07-18-24	6204	2024/05	THOU

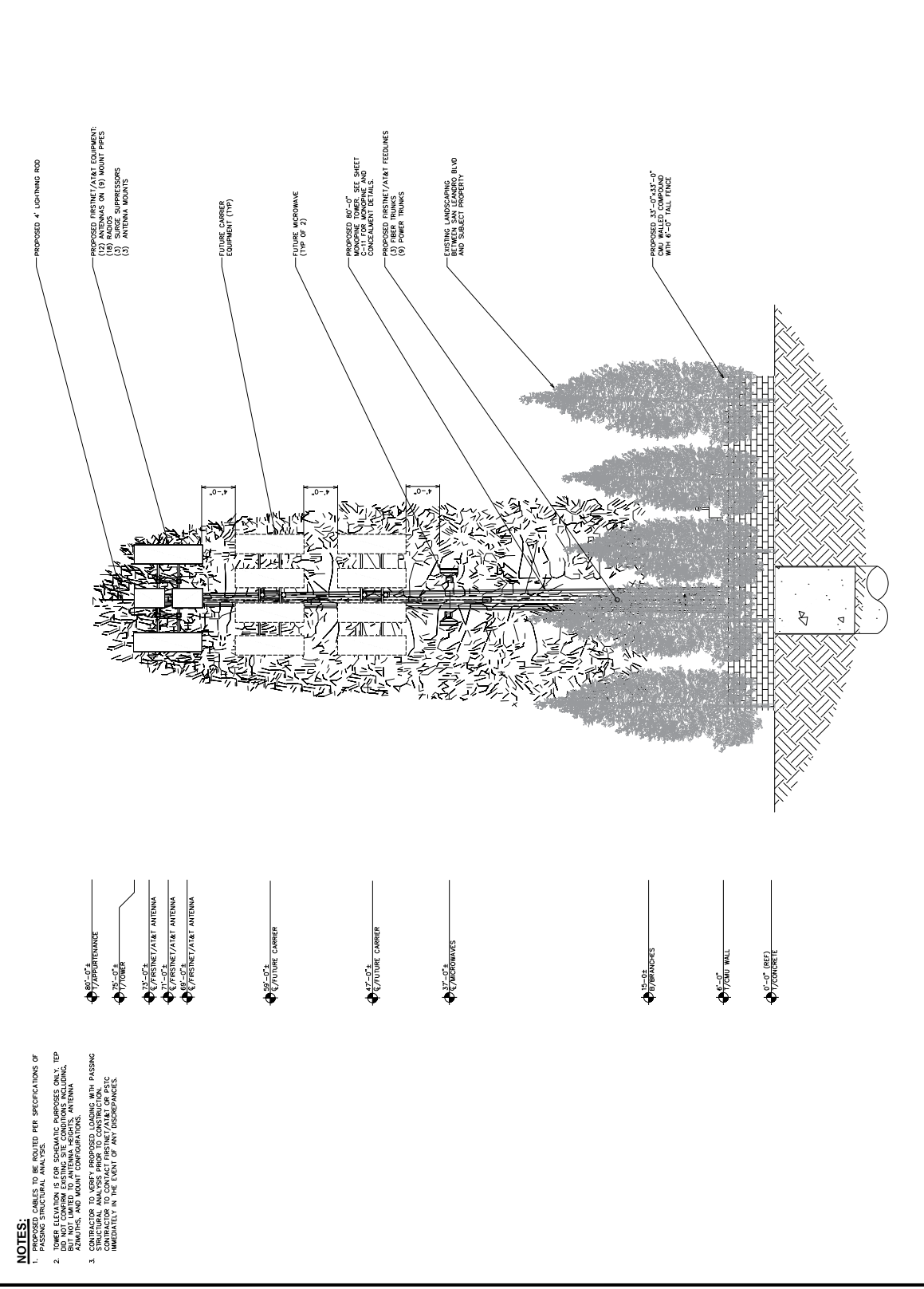


**SHEET TITLE: NORTHWEST FINALEXCO ST ELEVATION**

**SHEET NUMBER: C-2.1**

**REVISION: H**

**TEP #: 314190336174**



- NOTES:**
- PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF PASSING STRUCTURAL ANALYSIS.
  - CONTRACTOR TO VERIFY PROPOSED, LOADING WITH PASSING STRUCTURAL ANALYSIS PRIOR TO CONSTRUCTION. NOTIFY IMMEDIATELY IN THE EVENT OF ANY DISCREPANCIES.

- 80'-0" / AIRPORT ANTENNA
- 77'-0" / TOWER
- 75'-0" / FIRSTNET/AT&T ANTENNA
- 71'-0" / FIRSTNET/AT&T ANTENNA
- 67'-0" / FIRSTNET/AT&T ANTENNA
- 59'-0" / FUTURE CARRIER
- 47'-0" / FUTURE CARRIER
- 37'-0" / MICROWAVES
- 15'-0" / BRANCHES
- 17'-0" / GUY WALL
- 0'-0" (REF) / CONCRETE

**1 FINAL NORTHWEST (SAN LEANDRO BLVD/ADJACENT PROPERTY) ELEVATION**

SCALE: 3/4" = 1'-0" (24x36)  
 SCALE: 3/8" = 1'-0" (11x17)

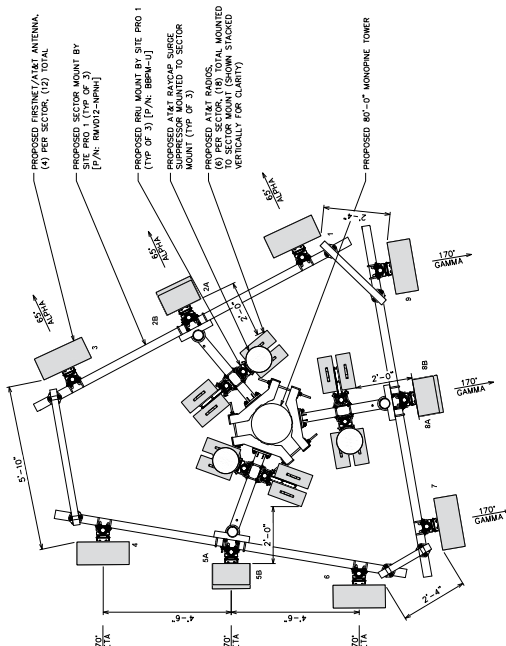








**NOTE:**  
 TEP DO NOT ANALYZE THE  
 PROPOSED MOUNT SHOWN.



SCALE: "X" = 1'-0" (24:96)  
 SCALE: "X" = 1'-0" (144:7)

**1 FINAL ANTENNA LAYOUT**

**FINAL ANTENNA/FEEDLINE SCHEDULE**

SECTOR POS.	MANUFACTURER (MODEL #)	MOUNTING HEIGHT	AZIMUTH (TN)	CABLE LENGTH	CABLE SIZE	OVP/IRU/DIPLXER (MODEL #)
ALPHA 1	QUNTEL (OD6612-30)	⊙ 71'-0"±	65°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66
ALPHA 2A	ERICSSON (AR6449 B77D)	⊙ 69'-0"±	65°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
ALPHA 2B	ERICSSON (AR6449 B77D)	⊙ 73'-0"±	65°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
ALPHA 3	QUNTEL (OD6612-30)	⊙ 71'-0"±	65°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66
BETA 4	QUNTEL (OD6612-30)	⊙ 71'-0"±	270°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
BETA 5A	ERICSSON (AR6449 B77D)	⊙ 69'-0"±	270°		(9) 34 FIBER TRUNKS	(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
BETA 5B	ERICSSON (AR6449 B77D)	⊙ 73'-0"±	270°		(3) FIBER TRUNKS	(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
BETA 6	QUNTEL (OD6612-30)	⊙ 71'-0"±	270°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
GAMMA 7	QUNTEL (OD6612-30)	⊙ 71'-0"±	170°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
GAMMA 8A	ERICSSON (AR6449 B77D)	⊙ 69'-0"±	170°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
GAMMA 8B	ERICSSON (AR6449 B77D)	⊙ 73'-0"±	170°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)
GAMMA 9	QUNTEL (OD6612-30)	⊙ 71'-0"±	170°			(1) RADIO 4449 B5/B12 (1) RADIO 8843 B2/B6A (1) RADIO 4415 B3D (1) RADIO 4226 B66 (FUTURE)

\*EQUIPMENT IS PRELIMINARY AND SUBJECT TO CHANGE

**2 FINAL ANTENNA SCHEDULE**

SCALE: "X" = 1'-0"

**PUBLIC SAFETY TOWERS COMPANY**  
 1903 WRIGHT PLACE, SUITE 140  
 CARLSBAD, CA 92008

**AT&T**  
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**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**  
**PROPOSED 80'-0" MONOPINE TOWER**

**ISSUED FOR:**

REV	DATE	BY	DESCRIPTION	QA
0	12-09-22	2500	200905	THRU
1	01-03-23	2500	200905	THRU
2	01-03-23	2500	200905	THRU
3	11-16-23	2500	200905	THRU
4	07-18-24	2500	200905	THRU

**SEAL:**

TEP ENGINEERING PROFESSIONALS  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL  
 STATE OF CALIFORNIA  
 LICENSE NO. 45678

**SHEET TITLE:**  
**FINAL ANTENNA LAYOUT & SCHEDULE**

**SHEET NUMBER:**  
**C-3**

**REVISION:**  
**H**

**TEP #:**  
 314190.336174







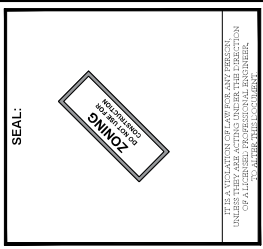




**FIRSTNET/AT&T ID: CCL05539**  
**ALVARADO ST & CALLAWAY ST**  
**PSTC #: CANC-SLEAN01**  
**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**  
**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-02-22	2502	2020RGS	TRMU
1	01-03-23	2502	2020RGS	TRMU
2	11-08-23	2504	2020RGS	TRMU
3	07-08-24	2024	2020RGS	TRMU

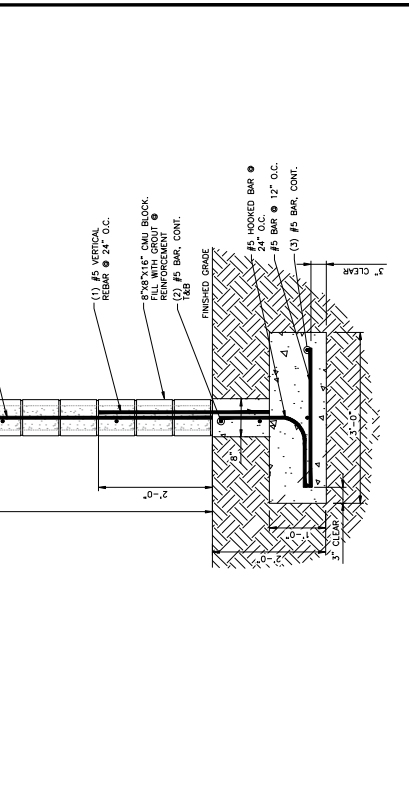
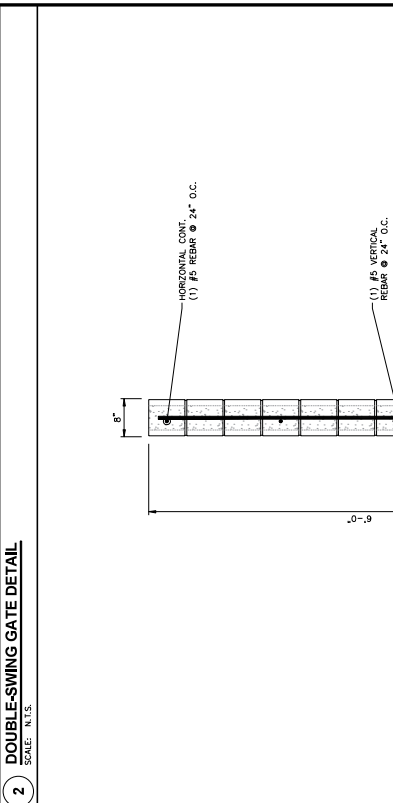
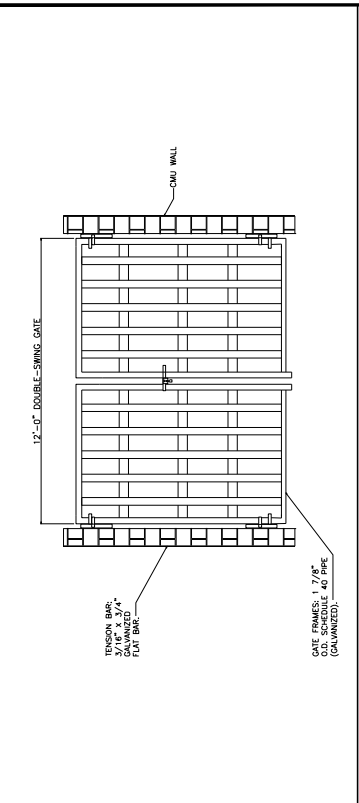


SHEET TITLE:  
**CMU WALL DETAILS**

SHEET NUMBER:  
**C-8**

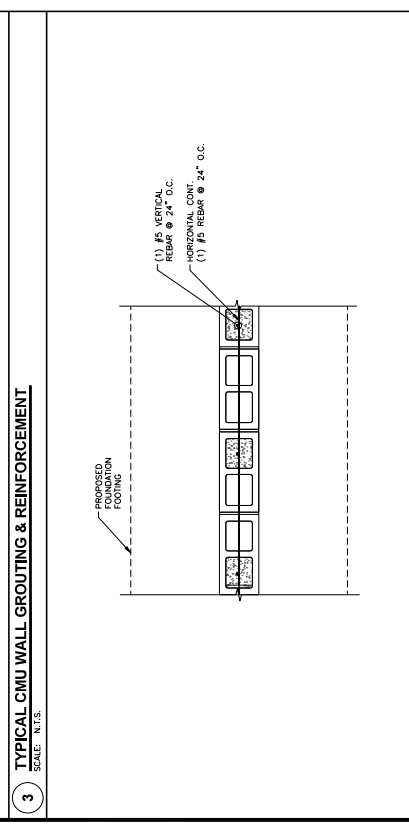
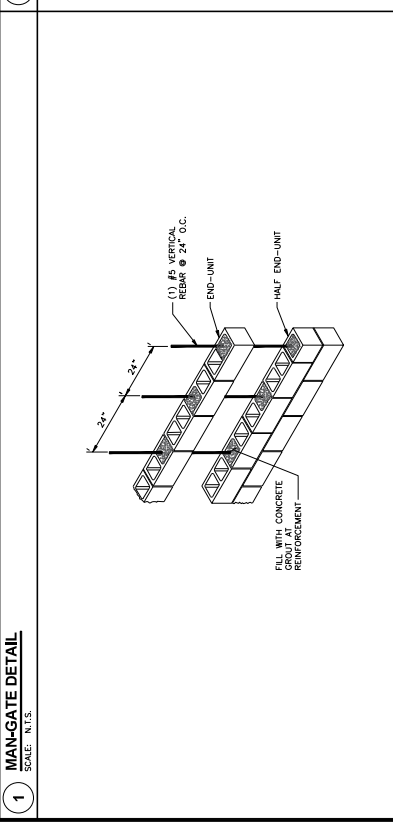
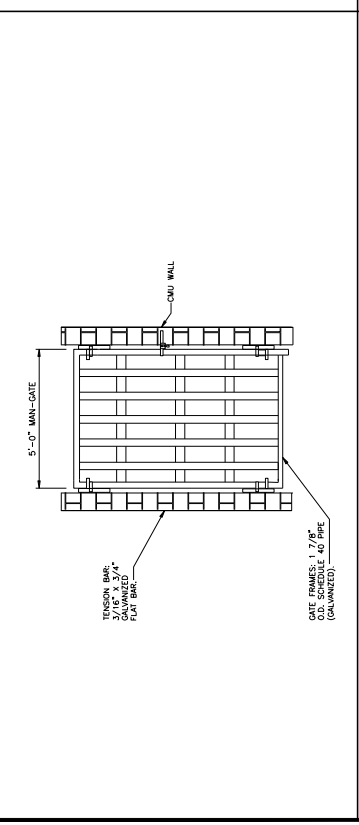
REVISION:  
**H**

TEP #:  
 31-4190.336174



2 **DOUBLE-SWING GATE DETAIL**  
 SCALE: N.T.S.

5 **TYPICAL CMU WALL CROSS SECTION**  
 SCALE: N.T.S.



1 **MANGATE DETAIL**  
 SCALE: N.T.S.

3 **TYPICAL CMU WALL GROUTING & REINFORCEMENT**  
 SCALE: N.T.S.

4 **TYPICAL CMU WALL PLAN**  
 SCALE: N.T.S.





1903 WRIGHT PLACE, SUITE 140  
CARLSBAD, CA 92008

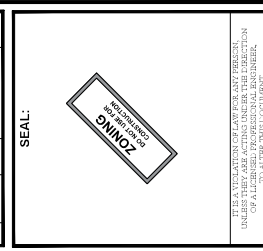
5005 EXECUTIVE PARKWAY  
SAN ANTONIO, CA 78283

TOWER ENGINEERING PROFESSIONALS  
4711 WILSON AVENUE, SUITE 200  
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FIRSTNET/AT&T ID: CCL05639  
ALVARADO ST  
& CALLAWAY ST  
440 PERALTA  
PSTC #: CANC-SLEAN01  
440 PERALTA AVENUE  
SAN LEANDRO, CA 94577  
(ALAMEDA COUNTY)  
PROPOSED 80'-0"  
MONOPINE TOWER

ISSUED FOR:

REV	DATE	BY/IN	DESCRIPTION	QA
0	12-02-22	5502	2020RSG	TRMU
1	01-03-23	5502	2020RSG	TRMU
2	07-12-23	5502	2020RSG	TRMU
3	07-18-24	6204	2020RSG	TRMU



SHEET TITLE:  
EQUIPMENT DETAILS

SHEET NUMBER:  
**C-10**

REVISION:  
**H**

TEP #:  
31-4190-336174

Figure 1: Radio Cabinet (Front View) - 18.00" x 11.00" x 3.00"

Figure 2: Radio Cabinet (Side View) - 18.00" x 11.00" x 3.00"

Part No.	Qty	Description
1	1	Radio Cabinet
2	1	Radio Cabinet
3	1	Radio Cabinet
4	1	Radio Cabinet
5	1	Radio Cabinet
6	1	Radio Cabinet
7	1	Radio Cabinet
8	1	Radio Cabinet
9	1	Radio Cabinet
10	1	Radio Cabinet
11	1	Radio Cabinet
12	1	Radio Cabinet
13	1	Radio Cabinet
14	1	Radio Cabinet
15	1	Radio Cabinet
16	1	Radio Cabinet
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91	1	Radio Cabinet
92	1	Radio Cabinet
93	1	Radio Cabinet
94	1	Radio Cabinet
95	1	Radio Cabinet
96	1	Radio Cabinet
97	1	Radio Cabinet
98	1	Radio Cabinet
99	1	Radio Cabinet
100	1	Radio Cabinet

3 PROPOSED RRUS 2012 B25 DETAIL  
SCALE: N.T.S.

Figure 1: Radio Cabinet (Front View) - 18.00" x 11.00" x 3.00"

Figure 2: Radio Cabinet (Side View) - 18.00" x 11.00" x 3.00"

**RADIO 8843 B2 B66A**

RAYCAP - DCS-48-60-24-8C-EV  
SIZE: 10.243 x 2.5 IN.  
NOMINAL OPERATING VOLTAGE: 48 VDC  
NOMINAL OPERATING CURRENT: 1.007 A  
WIND LOADING: 150 MPH GUST (213.6 LBS)  
CONTRACTOR TO USE THREAD LUBRICANT ON MOUNTING BOLTS DURING INSTALLATION

2 PROPOSED RRUS 8843 B2/B66A DETAIL  
SCALE: N.T.S.

Figure 1: Radio Cabinet (Front View) - 18.00" x 11.00" x 3.00"

Figure 2: Radio Cabinet (Side View) - 18.00" x 11.00" x 3.00"

**RRUS 4415 B30**

RRUS 4415 B30 CONNECTION INTERFACES

RRUS 4415 B30 CONNECTION INTERFACES

1 PROPOSED RRUS 4415 B30 DETAIL  
SCALE: N.T.S.

Figure 1: Raycap (Front View) - 11" x 1.25"

Figure 2: Raycap (Side View) - 11" x 1.25"

5 PROPOSED RAYCAP DETAIL  
SCALE: N.T.S.

Figure 1: Raycap (Front View) - 11" x 1.25"

Figure 2: Raycap (Side View) - 11" x 1.25"

6 NOT USED  
SCALE: N.T.S.

Figure 1: Radio Cabinet (Front View) - 18.00" x 11.00" x 3.00"

Figure 2: Radio Cabinet (Side View) - 18.00" x 11.00" x 3.00"

4 PROPOSED RRUS 4415 B30 DETAIL  
SCALE: N.T.S.





1903 WRIGHT PLACE, SUITE 140  
CARLSBAD, CA 92008



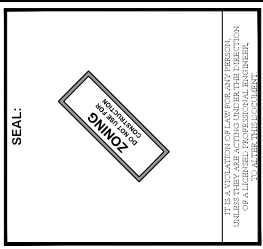
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TOWER ENGINEERING PROFESSIONALS  
4115 CENTRAL EXPWAY  
P.O. BOX 12,850  
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FIRSTNET/AT&T ID: CCL06539  
ALVARADO ST  
& CALLAWAY ST  
PSTC #: CANC-SLEAN01  
440 PERALTA  
440 PERALTA AVENUE  
SAN LEANDRO, CA 94577  
(ALAMEDA COUNTY)  
PROPOSED 80-J\*  
MONOPINE TOWER

REV	DATE	BY	DESCRIPTION	QA
0	12-09-22	550	200KGS	TRUO
1	01-03-23	550	200KGS	TRUO
2	11-16-23	584	200KGS	TRUO
3	07-18-24	606	200KGS	TRUO



SHEET TITLE:  
AC PANEL  
SCHEDULE

SHEET NUMBER:  
E-1  
REVISION:  
H

TEP #:  
31-4190.336174

**AC POWER PANEL A (PROPOSED)**  
120/240 VOLTS, 1-PHASE, 3-WIRE, 200A

DESCRIPTION	MAIN BREAKER RATING (A):			SYSTEM VOLTAGE (V):			DESCRIPTION				
	VA	c/nc	BKR	POSN	L1	L2		POSN	BKR	c/nc	VA
RECTIFIERS #1 & 2	1410	c	30/2	1	2820		2	30/2	c	1410	RECTIFIERS #3 & 4
RECTIFIERS #5 & 6	1410	c	30/2	5	2820		6	30/2	c	1410	RECTIFIERS #7 & 8
RECTIFIERS #9 & 10	1410	c	30/2	9	2820		10	30/2	c	1410	RECTIFIERS #11 & 12
SPARE / OFF	0	nc	30/2	13	0		14	30/2	nc	0	SPARE / OFF
SPARE / OFF	0	nc	30/2	17	0		18	30/2	nc	0	SPARE / OFF
SPARE / OFF	0	nc	30/2	21	0		22	30/2	nc	0	SPARE / OFF
BLANK	0	nc		25	1000		26	20/1	nc	1000	*GEN BLOCK HEATER
BLANK	0	nc		27	650		28	20/1	nc	650	*GEN BATT CHARGER
PTLC RECEPTACLES	720	nc	20/1	29	900		30	20/1	nc	180	WUC GFCI
PHASE TOTALS (VA):					10360		9110				
PHASE TOTAL S (A):					86		76				
CURRENT PER PHASE W/ 125% Continuous Loads(A):					104		94	Amperes/phase cannot exceed main breaker rating			
PANEL TOTAL (VA):					19470			Legend: c = continuous, nc = non-continuous			
PANEL TOTAL W/ 125% Continuous Loads (VA):					23700						
TOTAL LOAD FOR GEN OPERATION:					17820			*Generator loads are not in operation while generator is running			

PROPOSED LOADING = 23.7 KVA



**FIRSTNET/AT&T ID: CCL05639**  
**ALVARADO ST & CALLAWAY ST**

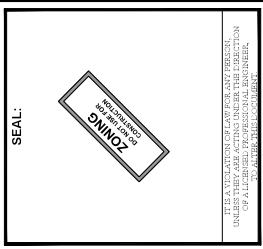
**PSTC #: CANC-SLEAN01**  
**440 PERALTA**

**440 PERALTA AVENUE**  
**SAN LEANDRO, CA 94577**  
**(ALAMEDA COUNTY)**

**PROPOSED 80'-0" MONOPINE TOWER**

ISSUED FOR:

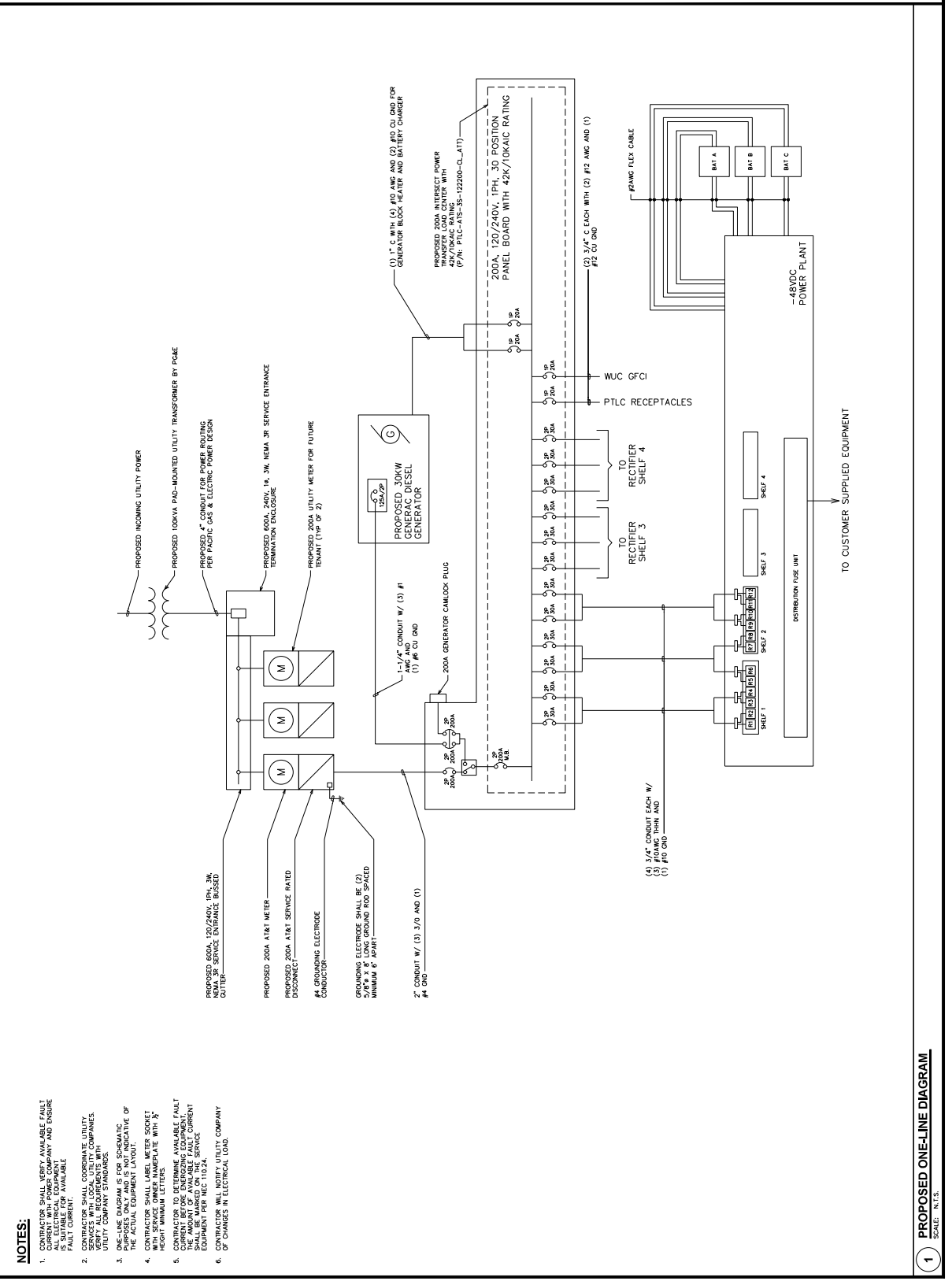
REV	DATE	BY/IN	DESCRIPTION	QA
0	12-09-22	5502	200WGS	TRMU
1	01-03-23	5502	200WGS	TRMU
2	11-16-23	5502	200WGS	TRMU
3	07-18-24	6204	200WGS	TRMU



SHEET TITLE: **ONE-LINE DIAGRAM**

SHEET NUMBER: **E-2** REVISION: **H**

TEP #: 314190336174



**1** PROPOSED ONE-LINE DIAGRAM  
 SCALE: N/A