

(3)

BPW-2025-0302

ABOVE GROUND FACILITIES VARIANCE – 4036 S. PACIFIC AVENUE

Recommending the Board:

1. APPROVE the request for a variance from the height requirement of the Above Ground Facilities Ordinance, per Los Angeles Municipal Code Section 62.08.V.B., for two cabinets and an H-Frame.
2. APPROVE the request for a variance from the volume requirement of the AGF Ordinance, per LAMC Section 62.08.V.B., for two cabinets and an H-Frame.
3. APPROVE the request for a hardship waiver from the below-grade requirement of the AGF Ordinance, per LAMC Section 62.08.II.A., for two cabinets and an H-Frame; and
4. AUTHORIZE T-Mobile to install two cabinets and H-frame up to 5 feet 11 inches high in the public right-of-way, adjacent to 4036 S. Pacific Avenue.

Department of Public Works

Bureau of Engineering
Report No. 3

May 19, 2025

CD No. 15

REQUEST FOR A VARIANCE FROM THE ABOVE GROUND FACILITIES ORDINANCE REQUIREMENTS FOR HEIGHT AND VOLUME LIMITATION AND A HARSHIP WAIVER FROM THE UNDERGROUND REQUIREMENT FOR THE INSTALLATION OF TWO CABINETS AND AN H-FRAME LOCATED ADJACENT TO 4036 S. PACIFIC AVENUE

RECOMMENDING THE BOARD OF PUBLIC WORKS (BOARD):

1. Approve the request for a variance from the height requirement of the Above Ground Facilities (AGF) Ordinance, per Los Angeles Municipal Code (LAMC) Section 62.08.V.B., for two cabinets and an H-Frame.
2. Approve the request for a variance from the volume requirement of the AGF Ordinance, per LAMC Section 62.08.V.B., for two cabinets and an H-Frame.
3. Approve the request for a hardship waiver from the below grade requirement of the AGF Ordinance, per LAMC Section 62.08.II.A., for two cabinets and an H-Frame.
4. Authorize T-Mobile to install two cabinets and H-frame up to 5 feet 11 inches high in the public right-of-way, adjacent to 4036 S. Pacific Avenue.

TRANSMITTALS

1. Variance request dated October 22, 2024, from Network Connex (858 S. Oak Park Road, Suite 100, Covina, CA 91724).
2. Hardship waiver requests, dated October 2, 2024, from Network Connex (858 S. Oak Park Road, Suite 100, Covina, CA 91724).
3. Site plan that shows the proposed monopole with an antenna and other electronic equipment attached and a meter pedestal cabinet.

DISCUSSION

Background

On October 22, 2024, Network Connex, on behalf of T-Mobile, requested a variance from the maximum allowable height of 5 feet 6 inches and the maximum allowable volume of 36 cubic feet of the AGF Ordinance for a proposed two cabinets and a proposed H-frame adjacent to 4036 S. Pacific Ave (Transmittal No. 1). On October 28, 2024, T-Mobile requested a hardship waiver from the below grade requirement of the AGF

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Ordinance for the proposed two cabinets and the H-frame (Transmittal No. 2). In addition, Network Connex requested permission to place two 5 feet 11 inches tall cabinets and a 5 feet 6 inches tall H-frame in the public right-of-way (Transmittal No. 3). The new cabinets and the H-frame are replacing an existing cabinet that is 5 feet 7 inches tall and has a volume of approximately 60 cubic feet. The replacement is intended to better support the coverage needs with new technology for the nearby residents. The height increase of 5 inches is due to the addition of cabinet base, which will allow new conduit to be placed under the proposed cabinets rather than having them exposed. per Los Angeles municipal code section 63.08.VB, the maximum allowable AGF height is 5 feet 6 inches and volume of 36 cubic feet. However, the height of the proposed AGF will be 5 feet 11 inches and have a combined volume of 79.01 cubic feet.

On December 14, 2022, T-Mobile deposited \$2,000 for the Bureau of Engineering (BOE) to investigate and process the application.

On December 16, 2022, T-Mobile sent notification letters for the proposed installation to Council District No. 15, Coastal San Pedro Neighborhood Council, the adjoining, abutting, and across the street property owners.

Variance Request

LAMC Section 62.08.V.B. lists three conditions that must be met for the Board to grant a variance from the height and volume limitation:

1. The applicant needs to provide suitable measures consistent with the aesthetic guidelines of the AGF Ordinance and the formal aesthetic requirements adopted by the Board on April 3, 2019, to mitigate for the excessive AGF height/volume.
2. The applicant needs to demonstrate that no financially or technically acceptable alternative exists that complies with LAMC Section 62.08.V.B.
3. The applicant needs to provide approval from the Cultural Affairs Commission for the design of the AGF.

BOE has determined that the height and volume limit variance for the two cabinets should be granted for the following reasons:

1. The AGF installation will not obstruct street scape views, view corridors in the public rights-of-way, view corridors of neighboring lots, or view corridors from the public right-of-way. New equipment will replace existing cabinets on the same concrete pad

Department of Public Works
Bureau of Engineering
Report No. 3

May 19, 2025

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that will be extended by only 2 feet and 4 inches in length. All equipment will be painted to help camouflage with the surrounding area. Condition No.1 is satisfied.

2. Placing the equipment on the existing pad will be the best option both financially and technically. Placing the equipment in an alternative location would require another AGF to be placed on a new concrete pad which would be more disruptive to the neighborhood. Condition No. 2 is satisfied.
3. The Cultural Affairs Commission approved the proposed installation for the site on July 7, 2023. Condition No. 3 is satisfied.

Hardship Waiver Request

This proposed installation is within the San Pedro Specific Plan. LAMC Section 62.08.II.B gives the Board authority to waive the below grade requirement if it finds that technical or financial hardship would result from the imposition of these requirements. According to the hardship waiver request from the applicant, T-Mobile is removing and replacing the existing cabinet with newer models required for the updated technology.

The proposed facility is not within 200 feet of a commercial or manufacturing zone eliminating any building alternatives on a private property. Service maps were submitted to demonstrate that at least 50 percent of the AGF's benefit will be specifically intended to service customers in the restricted area. The Department of City Planning has noted that this AGF is exempt from San Pedro Specific Plan regulations and does not require further review.

BOE Determination

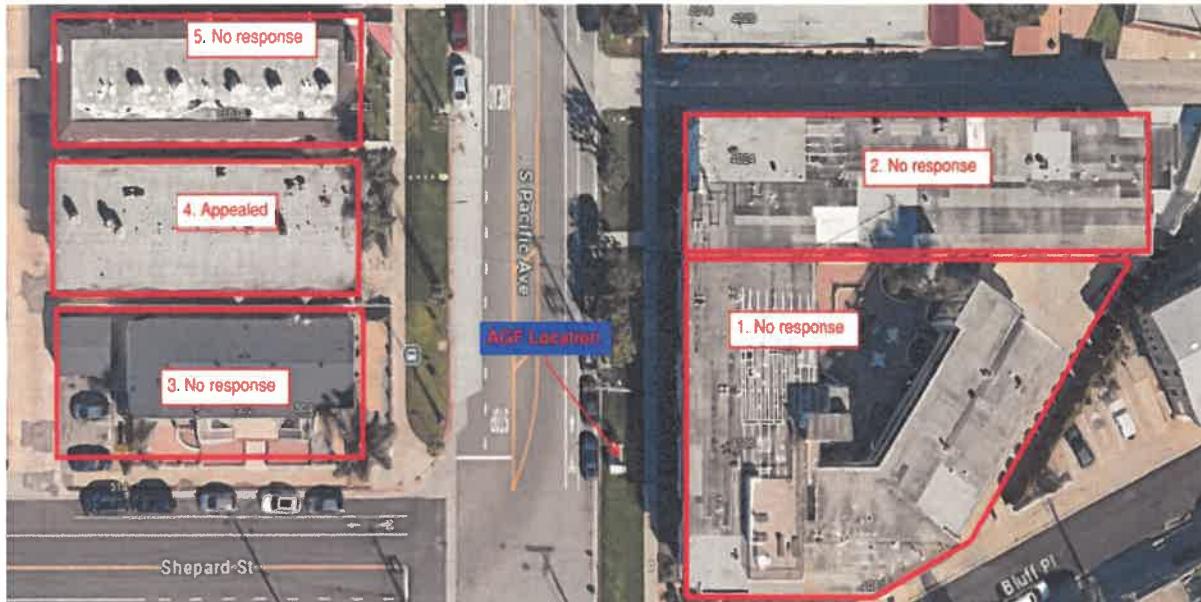
The site location was determined by T-Mobile to be the best technical location with respect to their coverage needs for the area. BOE's review of the AGF application found the site to be compliant with the AGF Ordinance.

On September 26, 2023, T-Mobile sent second notification letters to the adjoining, abutting, and across the street property owners notifying them of BOE's determination that the proposed AGF installation has met the requirements of the AGF Ordinance. The notification informed them that they have 14 calendar days to appeal the determination. Council District No. 15, Coastal San Pedro Neighborhood Council were also notified.

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The results of the second notification are shown below:



Survey of Adjoining, Abutting, and Across the Street Property Owners/Occupants					
Site Address	Request	No. of Properties Involved	Yes	Opposed	No Response
4036 S. Pacific Ave	Hardship Waiver and Variance	5	0	1	4

BOE has received a single appeal from 4029 S. Pacific Ave. The first appeal meeting was on November 29, 2023, and the resident's primary concern was on experiencing potential noise from the proposed cabinets at night.

After hearing the appellants concerns, Network Connex and T-Mobile was able to provide an alternate cabinet solution which has a reduced noise output compared to the standard configuration. The predicted noise rating from this configuration is 48dB at the distance of 6 meters when the fan is in use. The fans are set to turn on at 77 degrees, but the night time temperature at the location rarely reaches that point, hence the noise should not be a concern. The appellant was satisfied with the proposed alternate cabinet solution and withdrew the appeal on September 19, 2024.

Council District No. 15 has not taken a position with respect to this proposal.

Department of Public Works
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The following photos are before and after photo simulations of the proposed installation:



Existing Elevation Looking East



Proposed Elevation Looking East

Report No. 3

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T-Mobile has met all the conditions required for the variance and hardship waiver request of the AGF Ordinance. Therefore, BOE recommends that the Board may approve the variance request for the site.

(CS VCA BM)

Report reviewed by:

BOE (ADM)

Report prepared by:

Central District Office

Christine Sotelo, PE
District Engineer
Phone No. (213) 378-1268

CS/TY02-2025-0012_CEN.gva

City Log No. 2022013841
Questions regarding this report
may be referred to:
Tao Yang, Civil Engineer
Phone No. (310) 575-8625
E-mail: tao.yang@lacity.org

Respectfully submitted,



for

Ted Allen, PE
City Engineer



Date: 10/22/2024

City of Los Angeles
 Department of Public Works
 Bureau of Engineering
 201 North Figueroa Street, 3rd floor, Suite 300
 Los Angeles, CA 90012
 Attn: Tao Yang

RE: AGF Volume and Height Variance Request

T-Mobile / LA02944A - Adjacent to 7467026012 (AGF: East on Pacific Ave. North of Shepard St.) BOE Log # 2022013841

T-Mobile is requesting a variance from the volume and height requirement of the Los Angeles Municipal Code for the proposed AGF installation listed above.

1. Suitable measures consistent with the aesthetic guidelines of this report mitigate the excessive AGF volume.

The AGF installation will not obstruct street scape views, view corridors in the public rights-of-way, view corridors of neighboring lots, or view corridors from the public right-of-way. All equipment will be mounted on the existing AGF concrete pad and just extending the pad by 2'4". All equipment will be painted to help camouflage with the surrounding area.

2. The applicant demonstrates that no financially or technically acceptable alternative exists that complies with LAMC 62.08 Section V.B.

Placing the equipment in an alternative location would require another AGF to be placed on a new concrete pad. Placing the equipment on the existing pad will be the best option financially. The volume increase is needed for T-Mobile to upgrade this site as needed to better support the coverage needs with new technology for the nearby residents. The height increase will be required for the new conduit to be placed under the proposed cabinets. The cabinet bases are needed to be able to run the conduit from underneath rather than have exposed conduit. Per Los Angeles municipal code section 63.08.VB the maximum allowable AGF height is 5'6" and volume of 36 cu ft, however the height of the proposed will need to be 5.92' with a volume of 79.01 cu ft.

3. The AGF installation design has been cleared by Cultural Affairs on 3/31/2023.

If you should have any additional questions or concerns, please don't hesitate to contact me directly.
 Respectfully,

Colt Waterbury | Permit Expeditor Network Connex
 858 S. Oak Park Road, Suite 100 | Covina, CA 91724 c: 626.537.0184 |
 e: cwaterbury@networkconnex.com

Transmittal No. 1

October 2nd, 2024

RE: AGF Installation

Application Log

Number:2022013841

Pacific Ave. and Shepard St.

Attention: AGF Permit Group

T-Mobile is requesting a hardship waiver from the under grounding requirement of Los Angeles Municipal Code Section 63.08.II.C for the proposed AGF installation listed above.

1. Section (II)(C)(1): T-Mobile is requesting a variance from the under grounding requirement to upgrade the existing equipment. T-Mobile is removing and replacing the existing cabinet with the new models required for the updated technology.
2. Section (II)(C)(3): There is no private property locations that are willing to allow the placement of the proposed cabinets on their property. The proposed facility is not within 200' of a commercial or manufacturing zone.
3. Section 62.08.II.C.4: We have included propagation maps showing the existing and proposed new service area within the specific plan area.

For the foregoing reasons, we are requesting for a variance from the underounding requirements. If you have any questions regarding the above statements, please contact me at (626) 537-0184 Or cwaterbury@networkconnex.com

Transmittal No. 2



ANCHOR

T-Mobile
Get more from life

SITE NUMBER :	LA02944A
SITE NAME :	LA-944 SAN PEDRO #1 JPA
SITE TYPE:	JPA - R.O.W.

SITE NUMBER: LA02944A

SITE NAME:

SITE TYPE: IPA - BOW

PAPER PIECE DESCRIPTION

LA-02944A

LA-944 SAN PEDRO #1 JP

JPA - R.O.W.

SHEET INDEX	
DESCRIPTION	
TITLE SHEET	ABBREVIATIONS AND NOTES
SITE PLAN AND DETAILS	ENLARGED SITE PLAN
ENLARGED SITE PLAN	SITE ELEVATIONS
SITE ELEVATIONS	ZERMATUM DETAILS
ZERMATUM DETAILS	EQUIPMENT ELEVATIONS
EQUIPMENT ELEVATIONS	EQUIPMENT DETAILS
EQUIPMENT DETAILS	MAINTENANCE DETAILS
MAINTENANCE DETAILS	FRAMES DETAILS
FRAMES DETAILS	EQUIPMENT DETAILS
EQUIPMENT DETAILS	REFRS
REFRS	R.F. SIGNAGE DETAILS
R.F. SIGNAGE DETAILS	R.F. CONFIGURATION ANTEENA SCHED

APPROVALS

PRINT NAME	<hr/> <hr/> <hr/>		
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S.R.	<hr/>	<hr/>	<hr/>
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EER:	<hr/>	<hr/>	<hr/>
R:	<hr/>	<hr/>	<hr/>
I:	<hr/>	<hr/>	<hr/>
			III MGR:

SITE ADDRESS : 4036 S PACIFIC AVE.,
SAN PEDRO, CA 90731

JURISDICTION : CITY OF LOS ANGELES



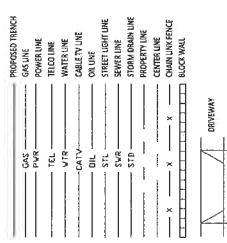
VICINITY MAP

BPW-2025-0302

Transmittal No 3

INTENT _____		3. THE OWNER SHALL BE HANDED AS AN ADDITIONAL INSURED ON ALL POLICIES	
1. THESE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE DONE & THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.		4. REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.	
2. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.		5. THE OWNER OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGN THE METHOD OF PROCEDURE, TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.	
6. MINOR CHANGES TO THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.		7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED IN THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY SHALL BE NOTIFIED TO THE OWNER AND AN ADDENDUM SUBMITTED TO THE OWNER FOR CONSTRUCTION BEFORE THE CONTRACTOR COMMENCES WORK IN THE AFFECTED AREAS.	
8. THE BUDGET IF AWARDED TO THE CONTRACTOR, WILL NOT BE ALLOWED TO EXCEED ANY DATA PROVIDED BY THE OWNER.		9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LIQUES AND BONDS.	
9. NO PLEA OF FORGIVENESS OR EXCUSES FOR DELAY SHALL BE ACCEPTED.		10. CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR DAMAGE ON THE PART OF THE CONTRACTOR TO HOLD THE CONTRACTOR LIABLE FOR THE LOSS OF OTHER MATERIALS OR DOCUMENTS.	
11. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK. AT THE COMPLETION OF THE WORK, THIS SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALUMINUM, METAL SCRAP, DROPPINGS AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY FOR USE.		12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE CONTRACTOR'S EQUIPMENT AND TOOLS.	
13. THE CONTRACTOR SHALL NOT MAKE ANY ADJUSTMENTS TO THE CONTRACTOR'S EQUIPMENT OR TO THE CONTRACTOR'S TOOLS.		14. IF NECESSARY TO ACHIEVE A LUMINESCENT DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.	
15. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT RELATED DOCUMENTS AND COMBINATIONS		16. GENERAL NOTES	
17. GENERAL CONSTRUCTION, ELECTRICAL, LAND, ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL CHARGE ORDER PROCEDURE		1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL: STATE SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND UNLIMITED TO NORMAL WORKING HOURS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD IT MOBILE, REPRESENTATIVES AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.	
18. CHANGE ORDERS MAY BE INITIATED BY THE OWNER AND/OR THE CONTRACTOR INVOLVED. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE OWNER SHALL PREPARE A WRITTEN PROPOSAL, DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACTOR'S BUDGET FOR THE CONSTRUCTION IN FORM OF A QUOTATION, APPROXIMATE QUANTITY FOR SUBSTITUTION IN FORM OF A QUOTATION, AND ACCORDING WITH PROPOSED CHANGES FOR CHANGE ORDER PROPOSALS. ANY CHANGES IN THE SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED & APPROVED BY THE OWNER SHALL PLACE FULL RESPONSIBILITY FOR THESE ACTIONS ON THE CONTRACTOR.		2. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL FULLY COMPLY WITH CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.	
19. PRODUCTS OR SUBSTITUTIONS		3. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF GO 55, 128, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS STANDARDS AND REQUIREMENTS.	
20. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST IDENTIFY THE PRODUCT OR FABRICATION OF THE ITEM TO BE REPLACED BY THE CONTRACTOR. INDICATE THE NEW PRODUCT OR FABRICATION, THE SOURCE AND MANUFACTURER, AND DESCRIBE THE REQUIREMENT FOR SUBSTITUTION.		4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCIES FACILITIES AS SHOWN ON THE DRAWINGS SHALL BE MAINTAINED AND PROTECTED DURING CONSTRUCTION AND DEMOLITION. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT DAMAGE TO THESE FACILITIES. EXTREME CARE AND PROTECTIVE MEASURES TO PROTECT DAMAGE TO UTILITIES OR FACILITIES WITHIN THE LIMITS OF WORK, WHETHER THEY ARE SHOWN ON THIS OR NOT.	
21. SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER, SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.		5. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT 811 AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION.	
22. CODE COMPLIANCE		6. THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT AT LEAST TWO DAYS BEFORE THE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.	
23. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. THESE SHALL INCLUDE BUT NOT BE LIMITED TO THE LATEST VERSION OF THE FOLLOWING:		7. ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WORK AREA TRAFFIC CONTROL BOOK AND SPECIFICATIONS FROM THE CITY, COUNTY OR STATE.	
24. 2022 CALIFORNIA BUILDING CODE.		8. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.	
25. 2022 CALIFORNIA ELECTRICAL CODE.		9. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 36 INCHES TO THE FINISHED GRADE AT ALL TIMES.	
26. 2022 CALIFORNIA PLUMBING CODE.		10. THE CONTRACTOR SHALL TUNNEL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALWAYS AT THE DIRECTION OF THE CITY, COUNTY OR STATE INSPECTOR.	
27. 2022 CALIFORNIA MECHANICAL CODE.		11. ALL AC, AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEERS.	
28. 2022 CALIFORNIA CODE OF REGULATIONS FOR ENERGY CONSERVATION.		12. CONTRACTOR SHALL MAINTAIN INSURANCE STATING ALL COVERAGE TO THE OWNER.	
INSURANCE AND BONDS		13. CONTRACTOR SHALL MAINTAIN INSURANCE STATING ALL COVERAGE TO THE OWNER.	
1. CONTRACTOR SHALL MAINTAIN INSURANCE STATING ALL COVERAGE TO THE OWNER.		14. IF NECESSARY, THE CONTRACTOR SHALL MAINTAIN INSURANCE STATING ALL COVERAGE TO THE OWNER.	
2. CONTRACTOR SHALL NOT COMMENCE WORK UNTIL THEY HAVE PRESENTED AN ORIGINATING CERTIFICATE OF INSURANCE STATING ALL COVERAGE TO THE OWNER.		15. CONTRACTOR SHALL MAINTAIN INSURANCE STATING ALL COVERAGE TO THE OWNER.	

LEGEND



12. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPAVED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.

13. IF DAMAGE OCCURS TO THE CITY OR COUNTY FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY TRAFFIC CONTROL, LIGHTING, STREET LIGHTING, TRAFFIC BUREAU, AND THE FIRE DEPARTMENT.

14. AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK, NOTIFY THE POLICE DEPARTMENT.

15. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICATIONS FOR PERMITS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY INDICATING LIABILITY INSURANCE IN THE AMOUNT OF \$5,000,000.00 FOR THE CONSTRUCTION PROJECT.

16. MAINTAIN PRESTIGE CONDUIT AND OTHER TYPES OF SUBSTITUTIONS IF NECESSARY. THE CONTRACTOR IS TO MAINTAIN AN INVENTORY OF THE CONSTRUCTION CONDUITS, SYSTEMS, AND EQUIPMENT. ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.

17. ALL 10' CONDUIT MUST BE SCHEDULE 40 OR BETTER.

18. CONDUIT REQUIREMENTS TO USCSCHEDULE 40 EXCEPT ALL RADIUS CONDUITS TO BE SCHED. 80 IN SCHEDULE 80.

19. GROUND REQUIREMENTS: 50' RADIAL LENGTH
#1 GROUND, #6
WOOD IMULCH, STED 3' RAD
AT EACH END GROUNDS 2' FROM POLE
20. THE METERS ELECTRICAL METER PEDESTAL NEEDS SILICONE SEAL AT BASE AROUND ADAPTER TYPE 1, SIZE 1/2" TO PEDESTAL AND ADD DESCANT BAG
21. POWER REQUIREMENT FOR A WHITE SERVICE 120/240V.
22. CONTRACTOR SHALL NOTIFY POWER AND TELE COMPANIES THREE DAYS PRIOR TO THE START OF CONSTRUCTION FOR CONDUIT INSPECTION.

DATE: 01-03-23
ENGINEER DATE: 01-03-23
DRAFTED BY: Z.S.
NO.: 01 DATE: 01-03-23
CITY OF LA EQUIPMENT FOR
2 04-28-23 A.M.
100% CD

3. 09-03-24 7.S.
UPDATED TO LF160 AC 12

SITE INFORMATION:

LA02944A
ANCHOR
4036 S PACIFIC AVE.,
SAN PEDRO, CA 90731
STAMP:

SHEET TITLE: **ABBREVIATIONS AND NOTES**
SHEET NUMBER: **T-2**



T-Mobile®
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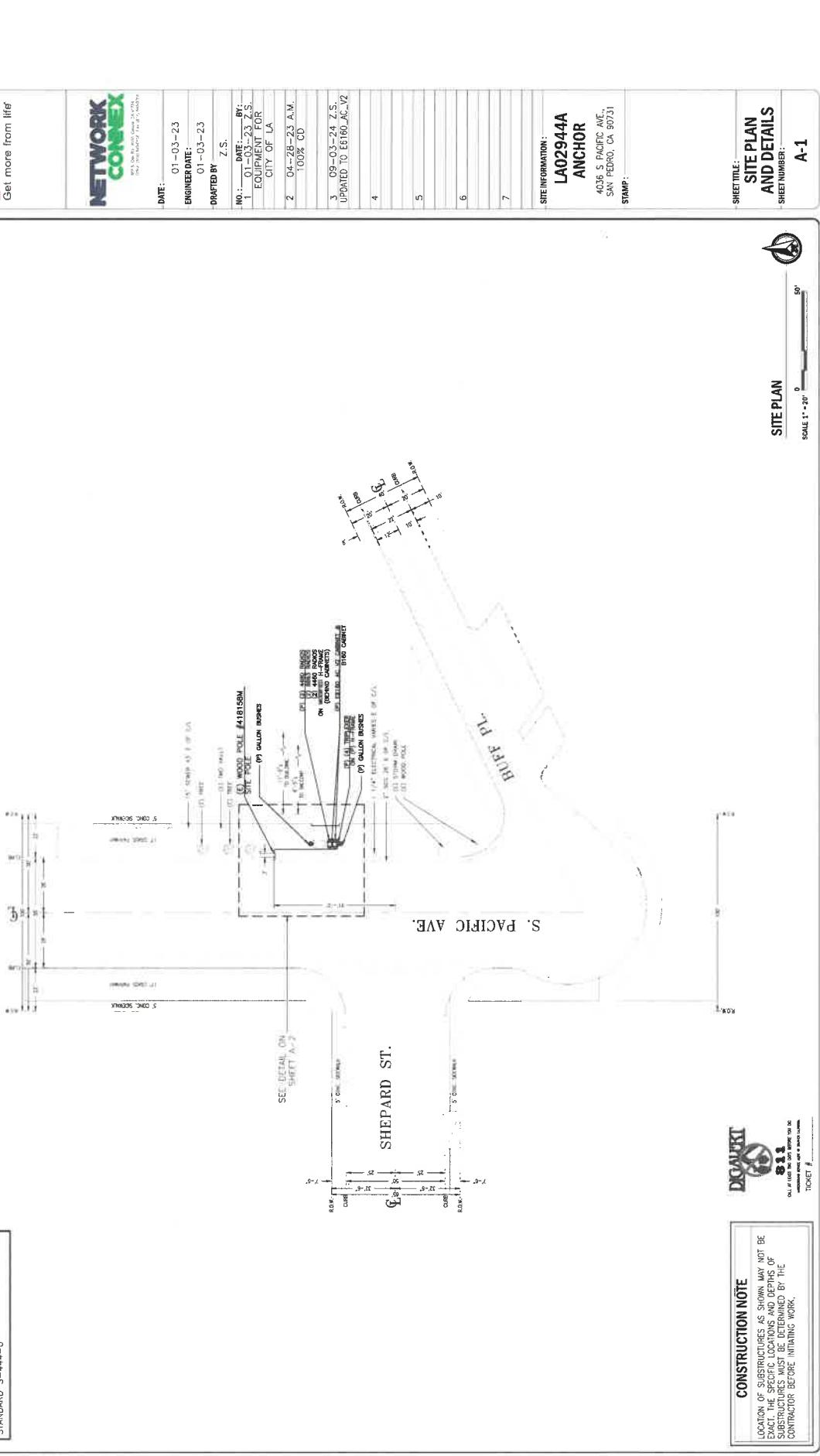
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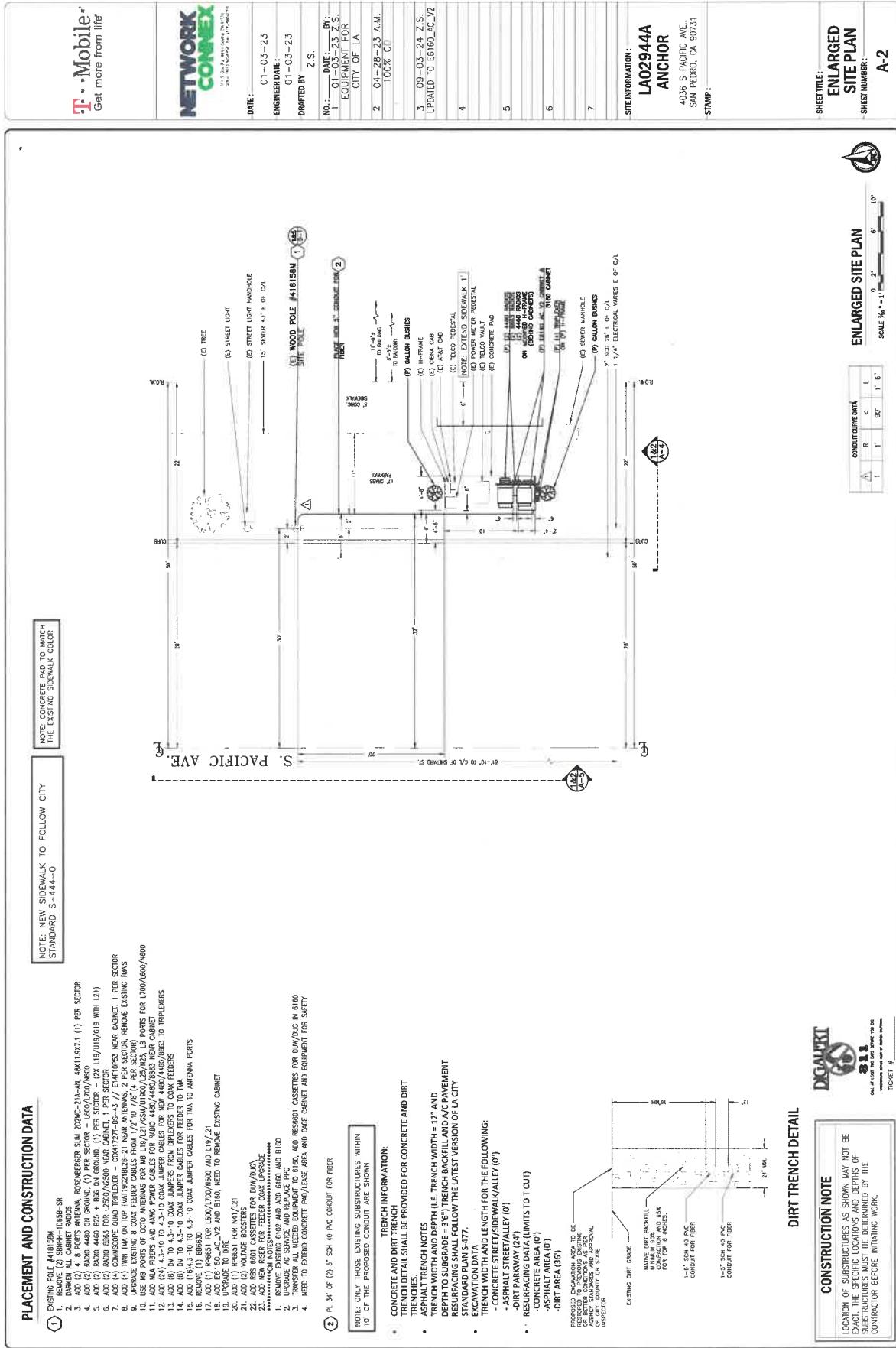


10° 20°

NOTE: ONLY THOSE EXISTING SUBSTRUCTURES WITHIN
10' OF THE PROPOSED CONDUIT ARE SHOWN

NOTE: NEW SIDEWALK TO FOLLOW CITY
STANDARD S-444-C





T-Mobile®
Get more from life



TELECOM EQUIPMENT
SITE PLAN FOR LA 02944A

DATE: 01-03-23

ENGINEER DATE: 01-03-23

DRAFTED BY: Z.S.

NO.: 01-03-23

DATE: 01-03-23

BY: SCS

EQUIPMENT FOR

CITY OF LA

100% CD

3.09-03-2023

UPDATED TO ES 16/06/2023

(E) TREE

(C) STREET LIGHT

15' SEWER 45° E OF C/L

(E) STREET LIGHT HANGING

15' SEWER 45° E OF C/L

(E) WOOD POLE #41815BM

SITE POLE

PLACE NEW 5" CONDUIT FOR

FIBER

5' CONCRETE SIDEWALK

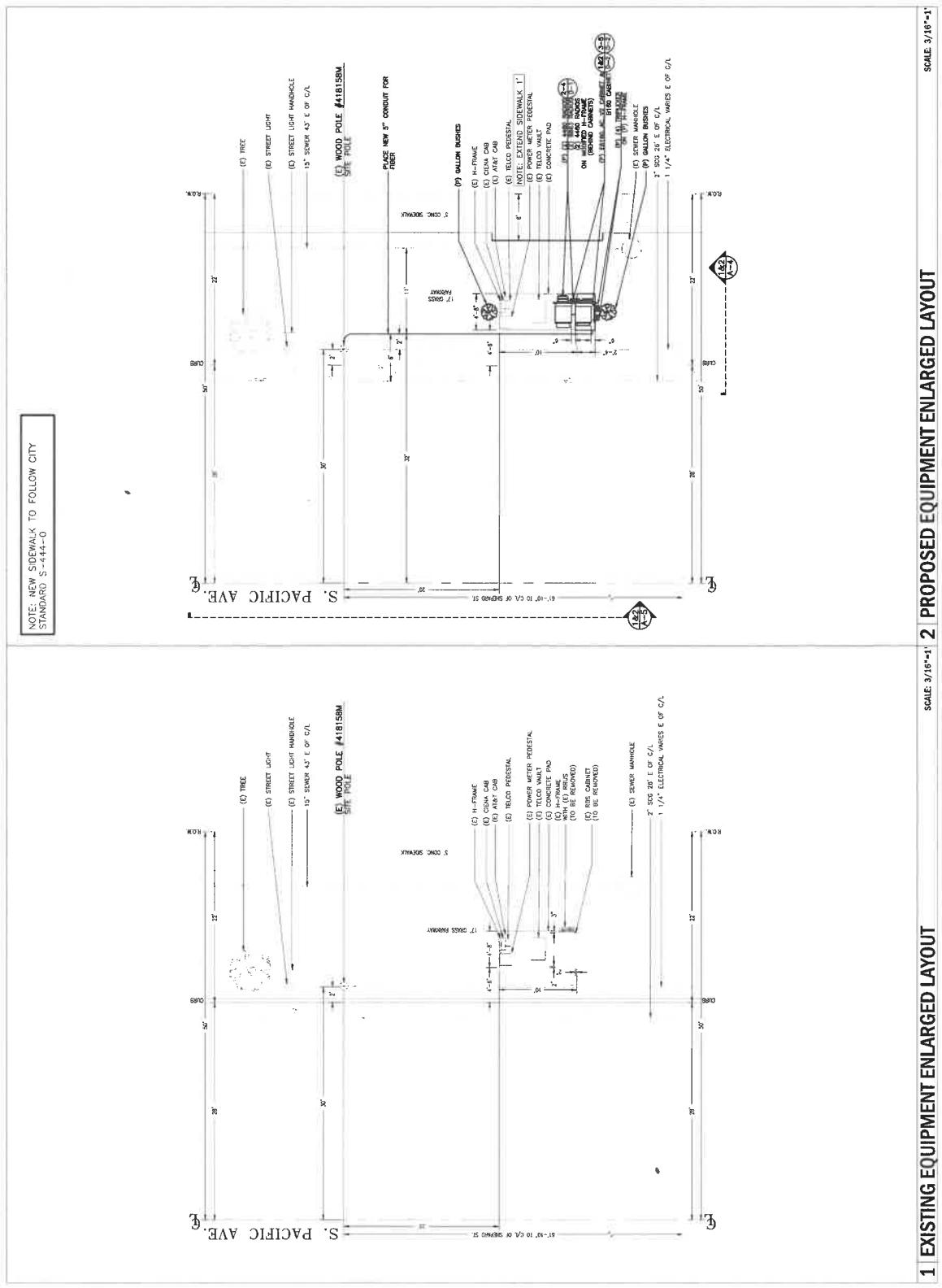
POLE SUPPORT

15' SEWER

5' CONCRETE SIDEWALK

POLE SUPPORT

NOTE: NEW SIDEWALK TO FOLLOW CITY
STANDARD S-444-0



1 EXISTING EQUIPMENT ENLARGED LAYOUT

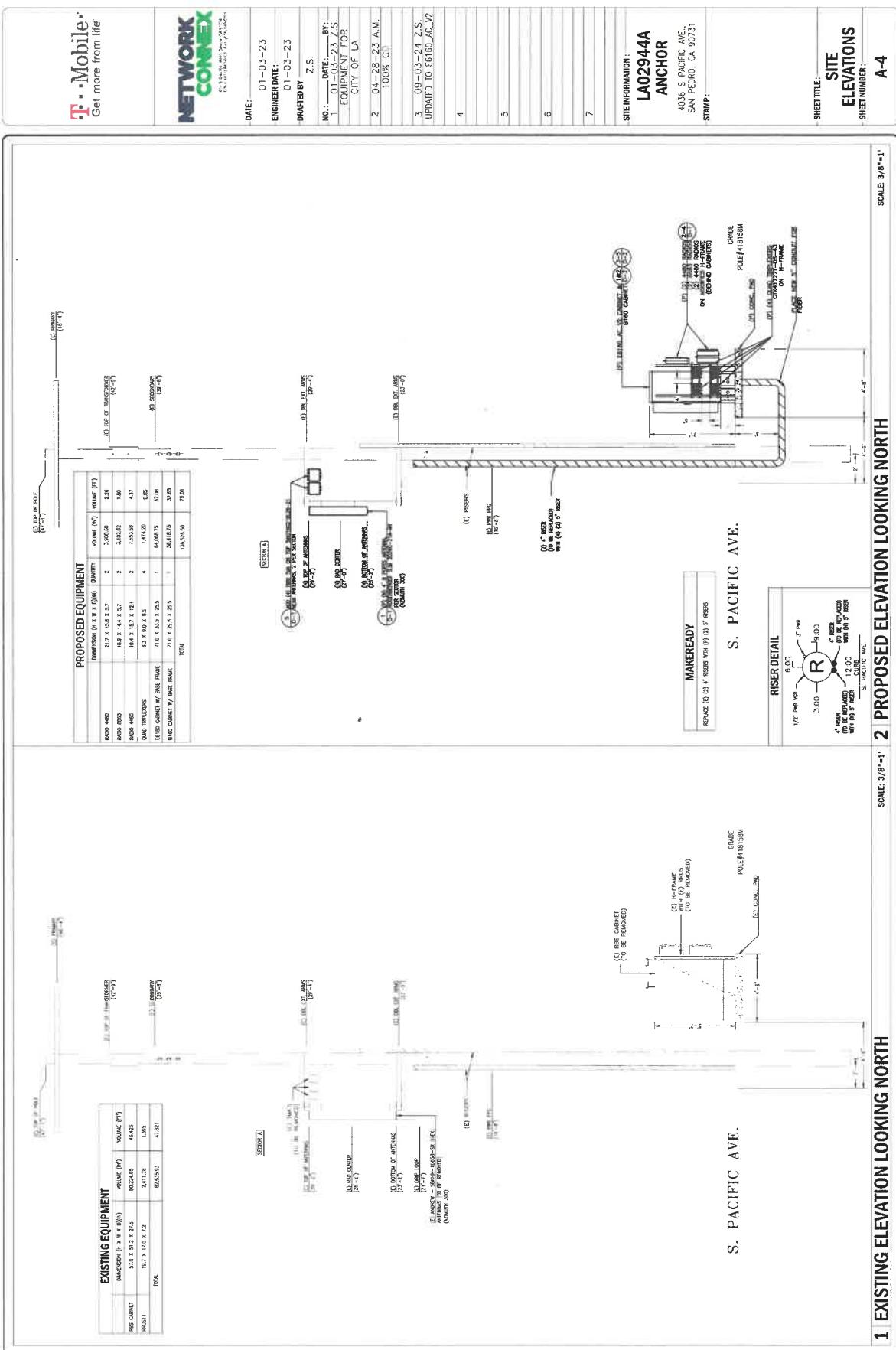
SCALE: 1/16"=1'

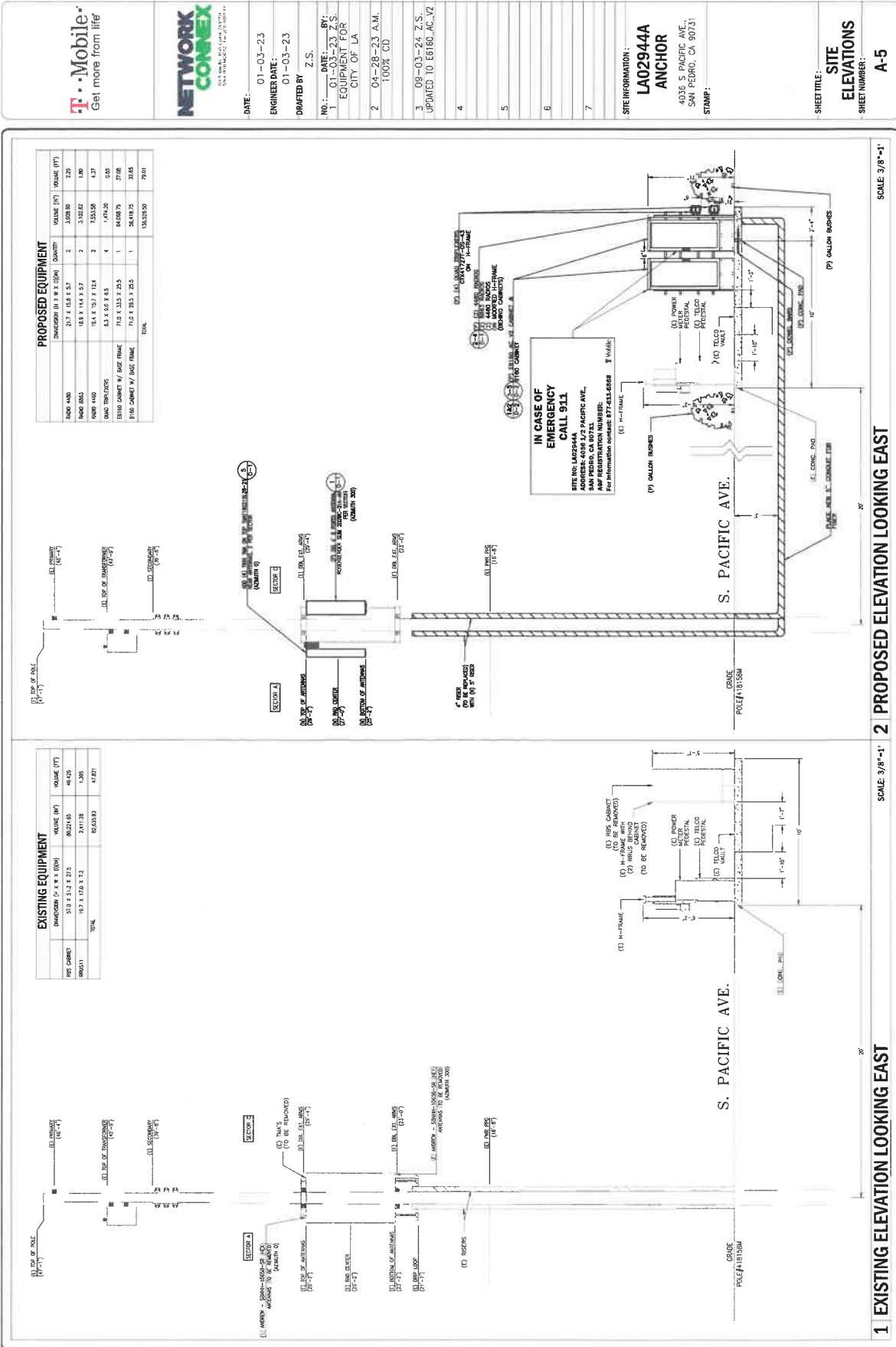
2 PROPOSED EQUIPMENT ENLARGED LAYOUT

SCALE: 1/16"=1'

SHEET TITLE: ENLARGED SITE PLAN
SHEET NUMBER: A-3

SITE INFORMATION:
LA02944A
ANCHOR
4036 S PACIFIC AVE.,
SAN PEDRO, CA 90731
STAMP:





T-Mobile®
Get more from life



DATE: 01-03-23

ENGINEER DATE: 01-03-23

DRAFTED BY: Z.S.

NO.: 01 DATE: 03-23-23
BY: Z.S.
EQUIPMENT FOR
CITY OF LA

2 04-28-23 A.M.
100% CD

3 09-03-24 7, S.
UPATED TO E6160 AC/P

SITE INFORMATION:

LA0294A
ANCHOR

4036 S PACIFIC AVE,
SAN PEDRO, CA 90731
STAMP:

SHEET TITLE: **AZIMUTH DETAILS**
SHEET NUMBER: **A-6**

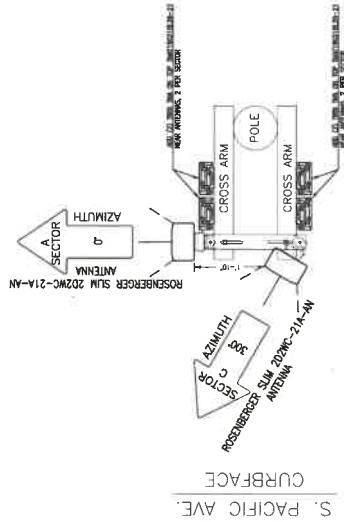
SCALE: 3/4"=1'

2 | PROPOSED AZIMUTH

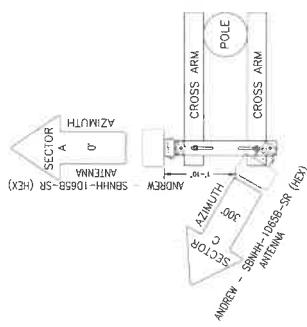
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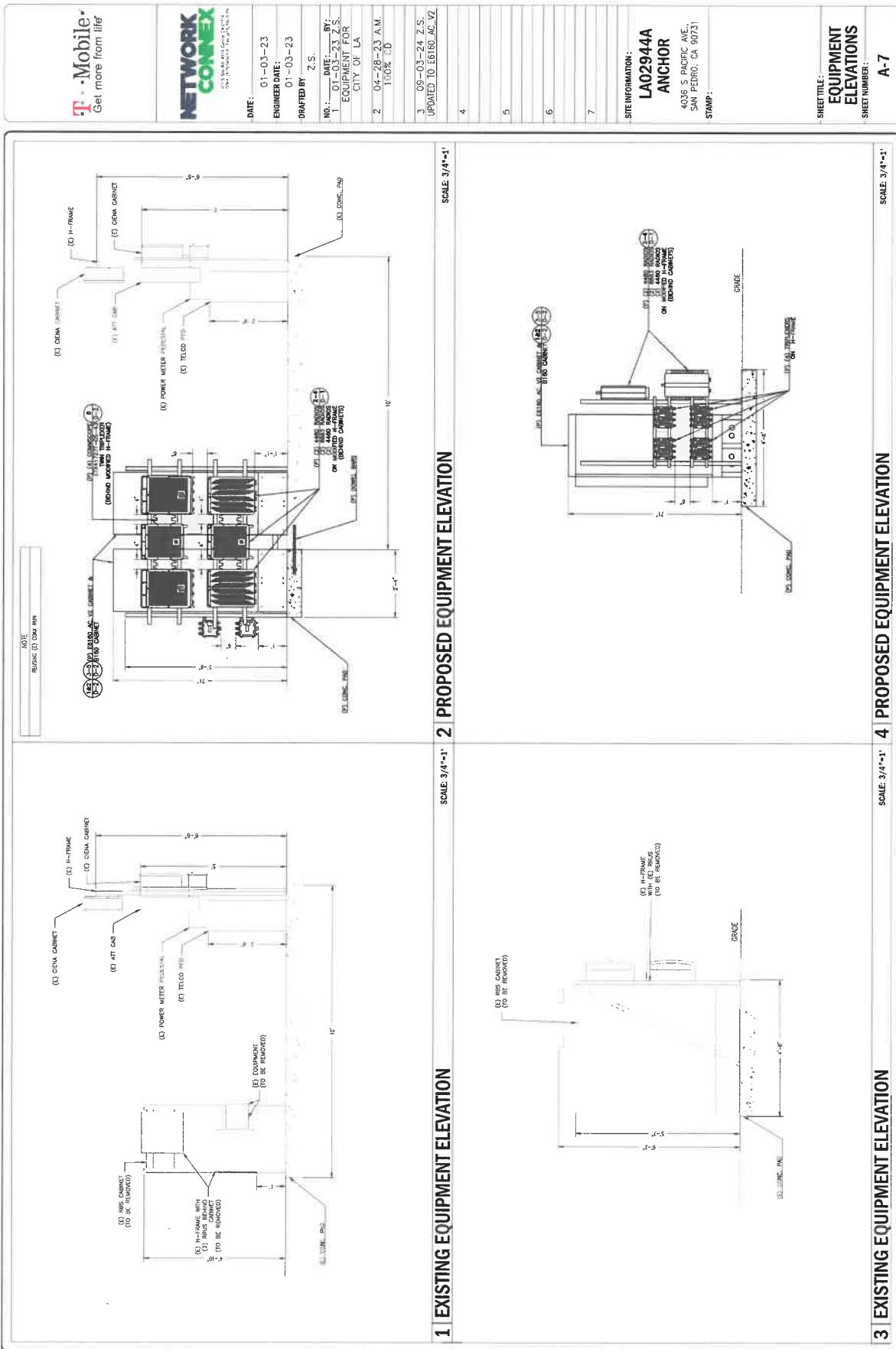
1 | EXISTING AZIMUTH

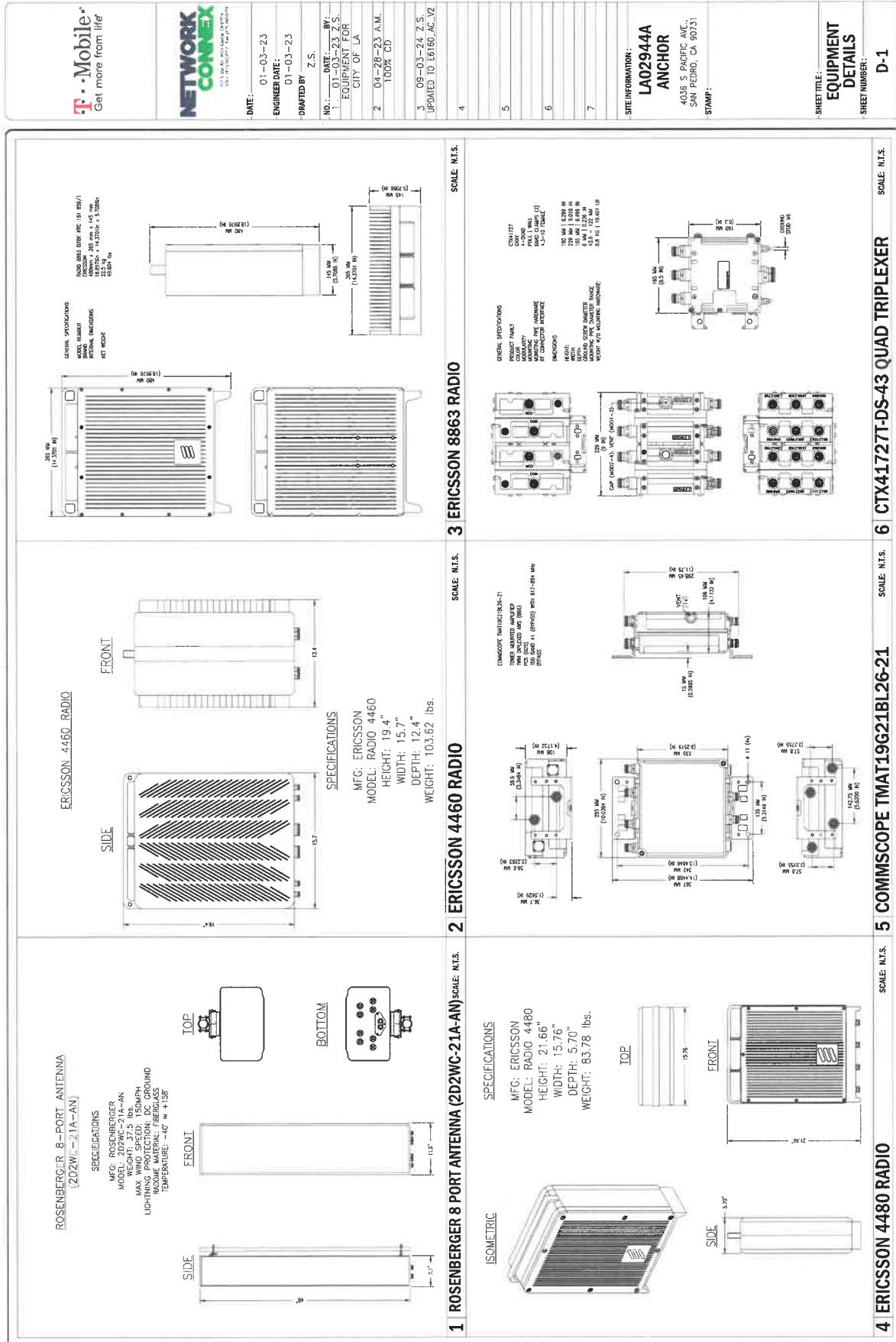
CURBFACE
S. PACIFIC AVE.



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01-03-23

ENGINEER DATE:

01-03-23

DRAFTED BY

Z.S.

NO.: 1 DATE: 01-03-23

BY: EQUIPMENT FOR

CITY OF LA

2 DATE: 04-28-23

A.M.

10 1/2 CD

3 DATE: 09-03-24 Z.S.

UPDATED TO E6160.AC.V2

SITE INFORMATION:

**LA0294/A
ANCHOR**

4016 PACIFIC ave,
SAN PEDRO, CA 90731

STAMP:

**EQUIPMENT
DETAILS**

SHEET NUMBER:

D-2

<p>1 ERICSSON ENCLOSURE E6160 AC V2</p> <p>ISOMETRIC</p> <p>6160 INSTALLATION HOLE PATTERN</p> <p>ERICSSON BASE STATION UNIT 6601</p> <p>ISOMETRIC</p> <p>B160 INSTALLATION HOLE PATTERN</p> <p>ERICSSON BASEBAND UNIT 6651</p> <p>ISOMETRIC</p> <p>6160 W/ DOOR OPEN</p> <p>ERICSSON BASEBAND UNIT 6651</p> <p>ISOMETRIC</p> <p>6160 W/ DOOR OPEN</p> <p>2 ERICSSON ENCLOSURE B160</p> <p>SCALE: N.I.S.</p> <p>ERICSSON BASEBAND UNIT 6651</p> <p>DC POWER SUPPLY</p> <p>NOMINAL VOLTS: -48 VDC</p> <p>TEMPERATURE: 0 TO +55° C</p> <p>DIMENSIONS: 19" W X 13.8" D</p> <p>WEIGHT: 20 lbs</p> <p>3 ERICSSON BASE STATION 6601</p> <p>SCALE: N.I.S.</p> <p>ERICSSON BASE STATION UNIT 6601</p> <p>DC POWER SUPPLY</p> <p>NOMINAL VOLTS: -48 VDC</p> <p>TEMPERATURE: 0 TO +55° C</p> <p>DIMENSIONS: 19" W X 13.8" D</p> <p>WEIGHT: 16.53 lbs</p> <p>4 IXRE ROUTER</p> <p>SCALE: N.I.S.</p> <p>ERICSSON BASEBAND 6651</p> <p>ERICSSON BASEBAND 6651</p> <p>SCALE: N.I.S.</p> <p>5 ERICSSON BASEBAND 6651</p> <p>SCALE: N.I.S.</p> <p>6 E6160 AND B160 BASE FRAME</p> <p>SCALE: N.I.S.</p> <p>ENCLOSURE B160 8"</p> <p>BASE FRAME</p> <p>(SXK 125 5010/1)</p> <p>NOTE: E6160 HAS A 4"</p> <p>BASE FRAME THAT</p> <p>MUST BE REMOVED</p> <p>ENCLOSURE 6160 12"</p> <p>BASE FRAME</p> <p>(SXK 125 5009/1)</p> <p>NOTE: E6160 HAS A 4"</p> <p>BASE FRAME THAT</p> <p>MUST BE REMOVED</p> <p>ENCLOSURE B160 8"</p> <p>BASE FRAME</p> <p>(SXK 125 5010/1)</p> <p>NOTE: E6160 HAS A 4"</p> <p>WELDED ON 2 BASE FRAME</p> <p>THAT CAN TIRE REMOVED</p> <p>HENCE & ONLY TO MATCH</p> <p>HEIGHT OF E6160 WITH</p> <p>BASE FRAME</p> <p>WEIGHT: 33 kg (73 lbs)</p> <p>WEIGHT: 27 kg (60 lbs)</p>
--

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DATE:

01-03-23 Z.S.

EQUIPMENT FOR:

CITY OF LA

2 04-28-23 A.M.

100% CD

3 09-03-24 Z.S.

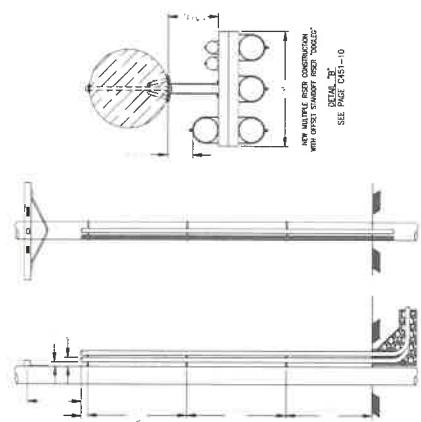
UPDATED TO E&I 60.AC.92

SITE INFORMATION:

LA02944A
ANCHOR

4016 S PACIFIC AVE.
SAN PEDRO, CA 90731
STAMP:

SHEET TITLE: MOUNTING
DETAILS
SHEET NUMBER: D-3

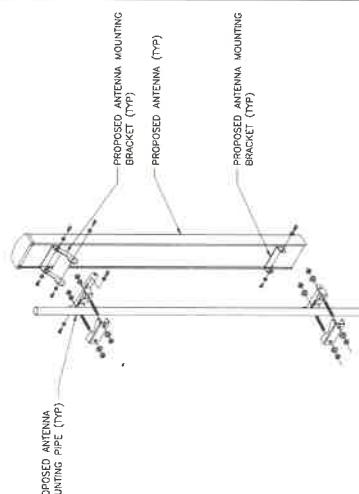


NOTES:
1. FOR SELECTION OF CONDUIT SIZE SEE UC PAGE C315-12.
2. CONDUIT WIRE SIZE AND NUMBER OF CONDUITS TO BE DETERMINED BY THE MANUFACTURER OF THE EQUIPMENT.
3. ROPE CONDUITS SHALL NOT BE BURIED IN THE GROUND.
4. SPARE CONDUITS SHALL BE CAPPED JUST ABOVE GROUND LEVEL TO KEEP OUT MOISTURE
AND DEBRIS.
5. BY DIRECT CONTRACTOR SEE ON PLATES CAD-29 & 10.

2 STANDOFF SUPPORT DETAIL

SCALE: N.T.S.

4



1 ANTENNA MOUNTING DETAIL

SCALE: N.T.S.

5



SCALE: N.T.S.

3 NOT USED

SCALE: N.T.S.

4 NOT USED

SCALE: N.T.S.

5 NOT USED

SCALE: N.T.S.

6 NOT USED

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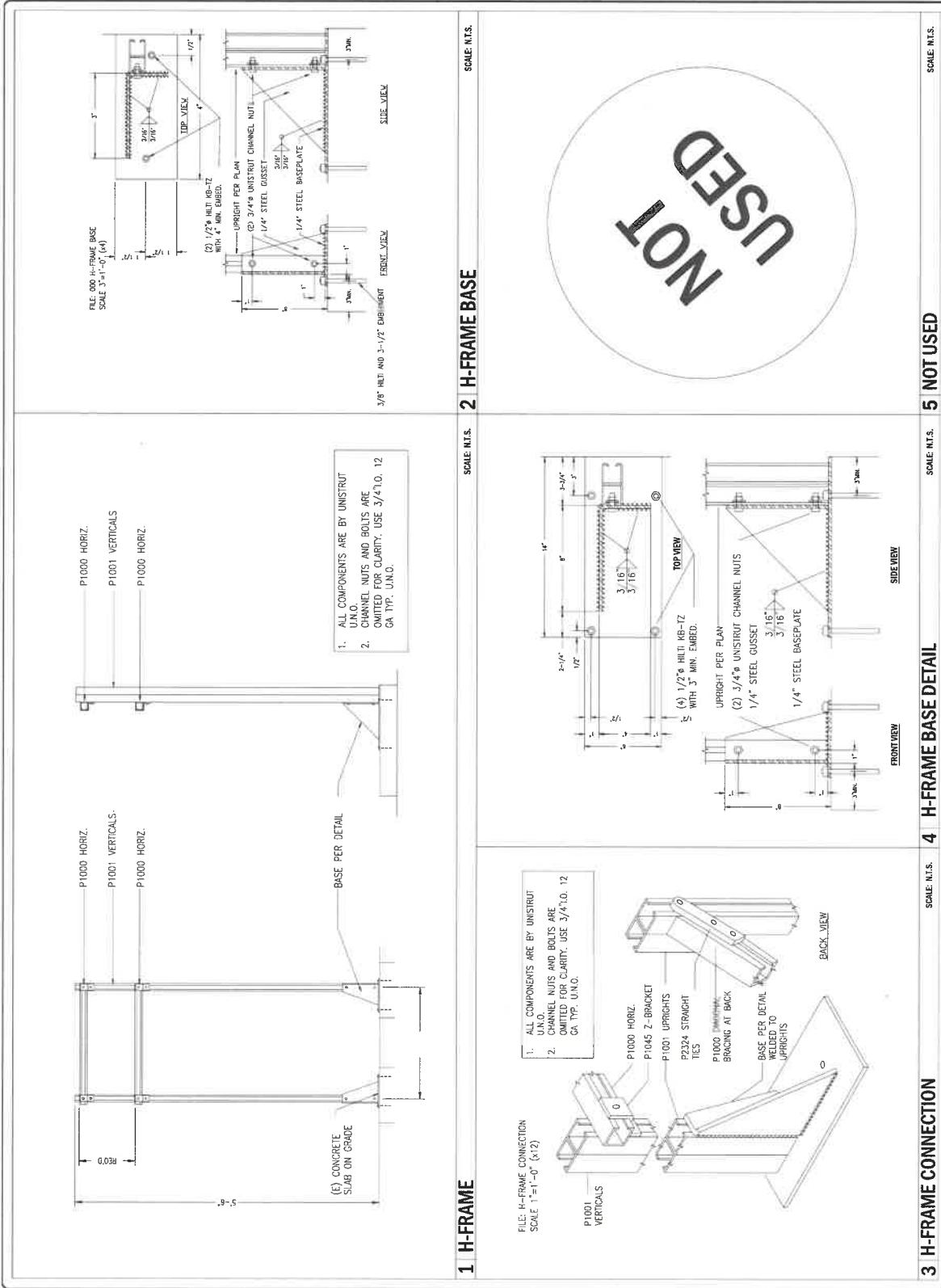
FILE: 000 H-FRAME BASE
SCALE: 3'-0" (x4)

DATE: 01-03-23
ENGINEERED BY: 01-03-23

DRAINED BY: Z.S.

NO. : 01-03-23 BY:
EQUIPMENT FOR
CITY OF LA
2 04-28-23 A.M.
100% CD

SHEET TITLE: H-FRAME DETAILS
SHEET NUMBER: D-4



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01-03-23

ENGINEER DATE:

01-03-23

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Z.S.

NO.: 01-03-23

DATE: 01-03-23

EQUIPMENT FOR

CITY OF LA

2 04-28-23 A.M.

100% CD

3 09-05-24 Z.S.

UPDATED TO E660 ACV2

4

5

6

7

SITE INFORMATION:

LA02944A
ANCHOR

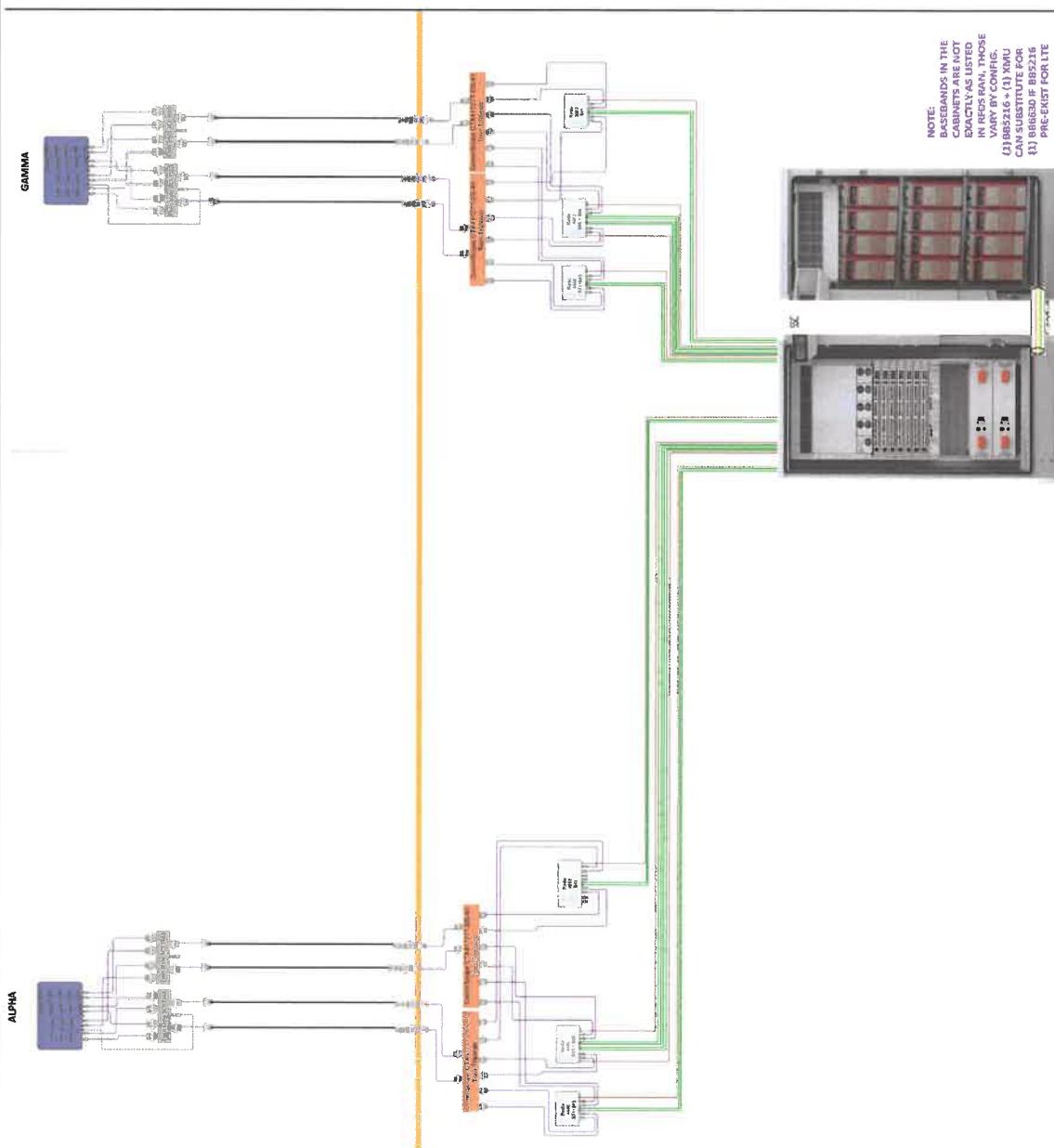
4036 S PACIFIC AVE,
SAN PEDRO, CA 90731

STAMP:

SHEET TITLE:

RFDS

SHEET NUMBER:
E-1



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**NETWORK
CONEX**

SIGN 'B' TO BE PLACED
TO SIDE OF RADIOTELEPHONE
AT ANTENNA LEVEL.

DATE:

01-03-23

ENGINEER/DATE:

01-03-23

DRAFTED BY

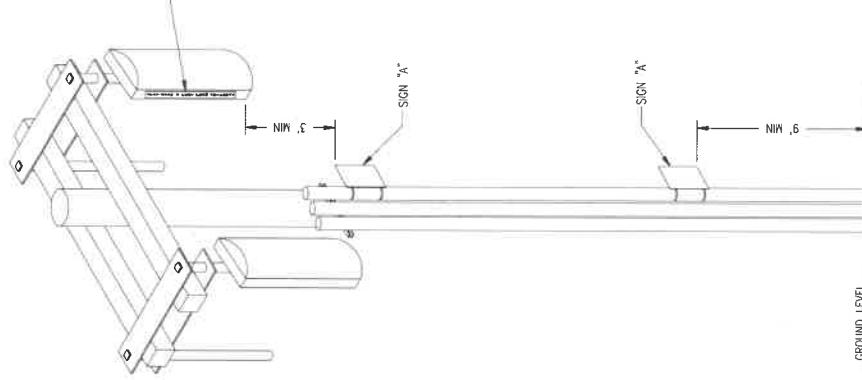
Z.S.

NO.: 1 DATE: 01-03-23 BY:
EQUIPMENT FOR
CITY OF LA
2 04-28-23 A.M.
10.1% C.L.

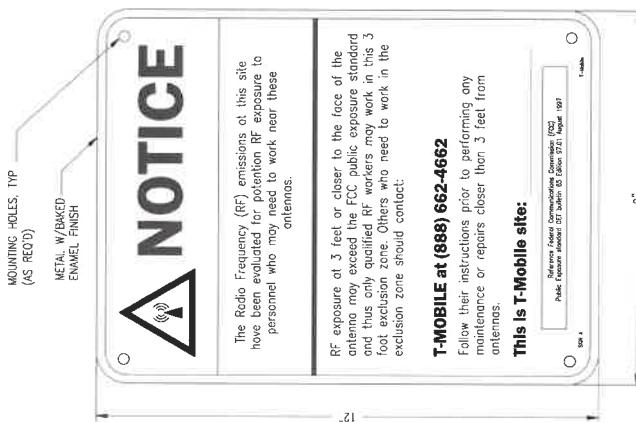
SITE INFORMATION:
**LA02944A
ANCHOR**

4016 S PACIFIC AVE,
SAN PEDRO, CA 90731
STAMP:

GROUND LEVEL



STAY BACK 3 FEET FROM ANTENNAS



1. SIGN 'B' IS TO BE MADE ON 32 MIL ALUMINUM SHEETING
 2. SIZE SHALL BE 9" BY 12" WITH $\frac{1}{16}$ " MOUNTING HOLES IN EACH CORNER OF THE SIGN FOR OPTIONAL MOUNTING
 3. SIGN SHALL COMPLY WITH ANSI C95.2 COLOR SYMBOL AND CONTENT CONVENTIONS.
1. SIGN 'B' IS TO BE MADE ON 32 MIL ALUMINUM SHEETING
2. SIZE SHALL BE 1 $\frac{1}{2}$ " BY 24"
3. SIGN SHALL BE 1 $\frac{1}{2}$ " BY 24"

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CONNECT

DATE:

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Z.S.

NO.:

01-03-23 ZS

DATE:

01-03-23

EQUIPMENT FOR:

CITY OF LA

100%

CLT

04-28-23 A.M.

SHEET TITLE:

RF CONFIGURATION
ANTENNA SCHEDULES

SHEET NUMBER:

RF-1

FINAL ANTENNA, TMA, RADUS, CABLE SCHEDULE

SECTOR	AZIMUTH	RAD CENTER	MRN / MODEL NO.	ANTENNA	SIZE & WEIGHT	TYPE	QTY	LENCH
SECTOR ALPHA	0	27	Rosenberger - 202HC(-2) (4 LB + 4 LB) (GcG)	48 7/8" X 11.9" W X 7.7" D (30.9 LBS)	NEW	- RADIO 4460 - COMMSCOPE (TMAT1962IB:26-21) - QUAD TRIFLETER	1	14'
SECTOR BETA	120	120	Rosenberger - 202HC(-2) (4 LB + 4 LB) (GcG)	48 7/8" X 11.9" W X 7.7" D (30.9 LBS)	NEW	- RADIO 4460 - COMMSCOPE (TMAT1962IB:26-21) - QUAD TRIFLETER	1	14'
SECTOR GAMMA	300	27	Rosenberger - 202HC(-2) (4 LB + 4 LB) (GcG)	48 7/8" X 11.9" W X 7.7" D (30.9 LBS)	NEW	- RADIO 4460 - COMMSCOPE (TMAT1962IB:26-21) - QUAD TRIFLETER	1	14'