



THE CITY OF SAN DIEGO

Report to the Planning Commission

DATE ISSUED: May 2, 2019 REPORT NO. PC-19-030
HEARING DATE: May 9, 2019
SUBJECT: T-MOBILE – COLUMBIA COURT. Process Four Decision
PROJECT NUMBER: [583530](#)
OWNER/APPLICANT: Columbia Heights Homeowners Association/T-Mobile West, LLC

SUMMARY

Issue: Should the Planning Commission approve a Wireless Communication Facility (WCF) located at 3217 Columbia Street within the Uptown Community Planning area?

Staff Recommendation: **Approve** Conditional Use Permit No. 2264113.

Community Planning Group Recommendation: On April 2, 2019, the Uptown Planners voted to recommend approval of the T-Mobile – Columbia Court project without conditions. Written verification with details will be provided prior to or at the public hearing.

Environmental Review: This project was determined to be categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15302 (Replacement or Reconstruction). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on March 11, 2019 and the opportunity to appeal that determination ended March 25, 2019.

Fiscal Impact Statement: A flat fee was paid by the applicant for the processing of this project.

Code Enforcement Impact: None.

BACKGROUND

T-Mobile Columbia Court is an application for a Conditional Use Permit (CUP) for a Wireless Communication Facility (WCF) located at 3217 Columbia Street in the RM-2-5 zone of the Uptown Community Planning area. The site is designated Residential Medium (16-29 du/ac) in the Community Plan (Attachment 2). Surrounding uses include single-unit residential to the north and east, commercial to the west and multi-unit residential to the south (Attachment 1). WCFs are

permitted on premises containing residential uses in residential zones with a CUP, Process Four. The maximum height allowed in the RM-2-5 zone is 40 feet and the previously conforming building is 57 feet, 6 inches tall.

The project site is a three-story condominium complex with a previously permitted T-Mobile WCF consisting of rooftop equipment and six panel antennas (two antennas each in three sectors) as approved in 2007 under Conditional Use Permit No. 318017 and Planned Development Permit No. 444839 (Project No. 97607). This approval expired September 20, 2017. The proposed project was submitted prior to that date (September 7, 2017) however, the site has been operating without a valid permit while the application was being processed. Much of the processing time was spent negotiating relocation of the rooftop equipment to the proposed location within the parking garage. To continue operating, a new permit subject to the current regulations is required.

DISCUSSION

The existing WCF was first approved in 1996 (Permit No.95-0350-39) for six panel antennas and roof-mounted equipment. In 2007, Project No. 97607 re-permitted the same project but required screening for the rooftop equipment. T-Mobile is proposing to re-permit the project again with the following modifications: the relocation of all three antenna sectors so that all antennas are behind the existing mansard roof, and the relocation of the rooftop equipment into the parking garage. The WCF will be mostly concealed from surrounding areas apart from the cable tray running from the roof down the back of the building (east side). Removing the equipment from the rooftop and concealing it within the parking garage not only removes the need for a Planned Development Permit (40-foot maximum height limit) but it also results in a 15-year expiration date as opposed to the standard 10-year expiration.



Council Policy 600-43:

This Council Policy establishes a hierarchy from the most preferred locations (Preference 1) to the least preferred locations (Preference 4) for WCFs. The project is located on a residential building in a residential zone, which requires a Conditional Use Permit (Land Development Code (LDC) Section 141.0420(f)(2)) and is considered a Preference 4 location according to Council Policy 600-43.

T-Mobile's Site Justification Map shows a search ring spanning the Interstate 5/Pacific Highway corridor east to the residential areas just above India Street. The project location sits approximately 40 feet above India Street and almost 50 feet above Interstate 5, providing excellent coverage to the north, west and south. Similar properties at the same height are also residential but at a lower height. Adjacent commercial properties are situated below the project site at a much lower height and would require additional height to provide the same coverage. This established project that is proposed to be concealed from view provides the coverage objective for T-Mobile. Relocating the WCF to a lower-preference site would require an increase in height to a building in an otherwise low scale area.

Community and General Plan Analysis:

The [Uptown Community Plan](#) addresses the need for wireless communications, emphasizing that they must be done in a way not to detract from the community. It also references the City of San Diego's [General Plan Urban Design Element](#) (UD- A.15), which requires that the visual impact of wireless facilities be minimized by concealing wireless facilities in existing structures or using screening techniques to hide or blend them into the surrounding area. The General Plan calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, it states that equipment associated with wireless facilities must be concealed from view.

The proposed project conceals antennas behind Fiberglass-Reinforced Panels designed to match the mansard roof and relocates the equipment from the rooftop to the parking garage. The visibility of the WCF will be reduced significantly so that antennas and equipment will not be visible to surrounding areas. The only remaining visible component will be an exterior cable tray running down the southeast side of the building. This meets the intent of Policy UD-A.15 of the General Plan and meets the objectives of the Uptown Community Plan.

Conclusion:

The T-Mobile Columbia Court project is consistent with the purpose and intent of the applicable development regulations of the San Diego Municipal Code, which includes the development regulations for the RM-2-5 zone and the WCF Regulations, Section 141.0420. Staff recommends approval of CUP No. 2264113.

ALTERNATIVES

1. Approve CUP No. 2264113 with modifications.
2. Deny CUP No. 2264113 if the Planning Commission makes findings based on substantial evidence that the approval is not authorized by state or local zoning law.

Respectfully submitted,


PJ Fitzgerald
Assistant Deputy Director
Development Services Department
Karen Lynch
Development Project Manager
Development Services Department

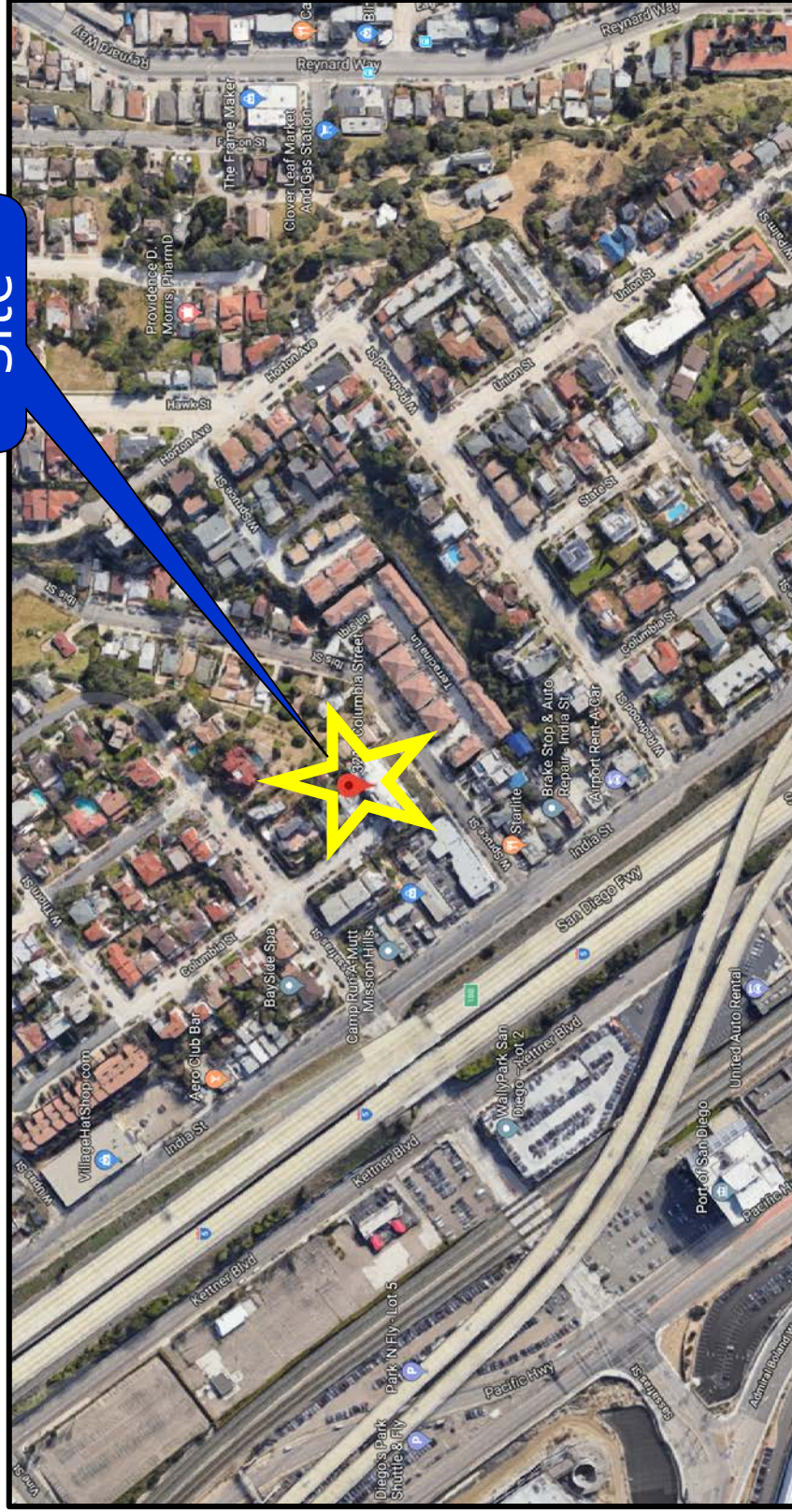
FITZGERALD/KAL

Attachments:

1. Aerial Photographs
2. Community Plan Land Use Map
3. Project Location Map
4. Project Data Sheet
5. Draft Permit Resolution with Findings
6. Draft Permit with Conditions
7. Environmental Exemption
8. Coverage Maps
9. Photo Survey
10. Community Planning Group Recommendation
11. Ownership Disclosure
12. Photo Simulations
13. Project Plans

Aerial Photo

Project
Site

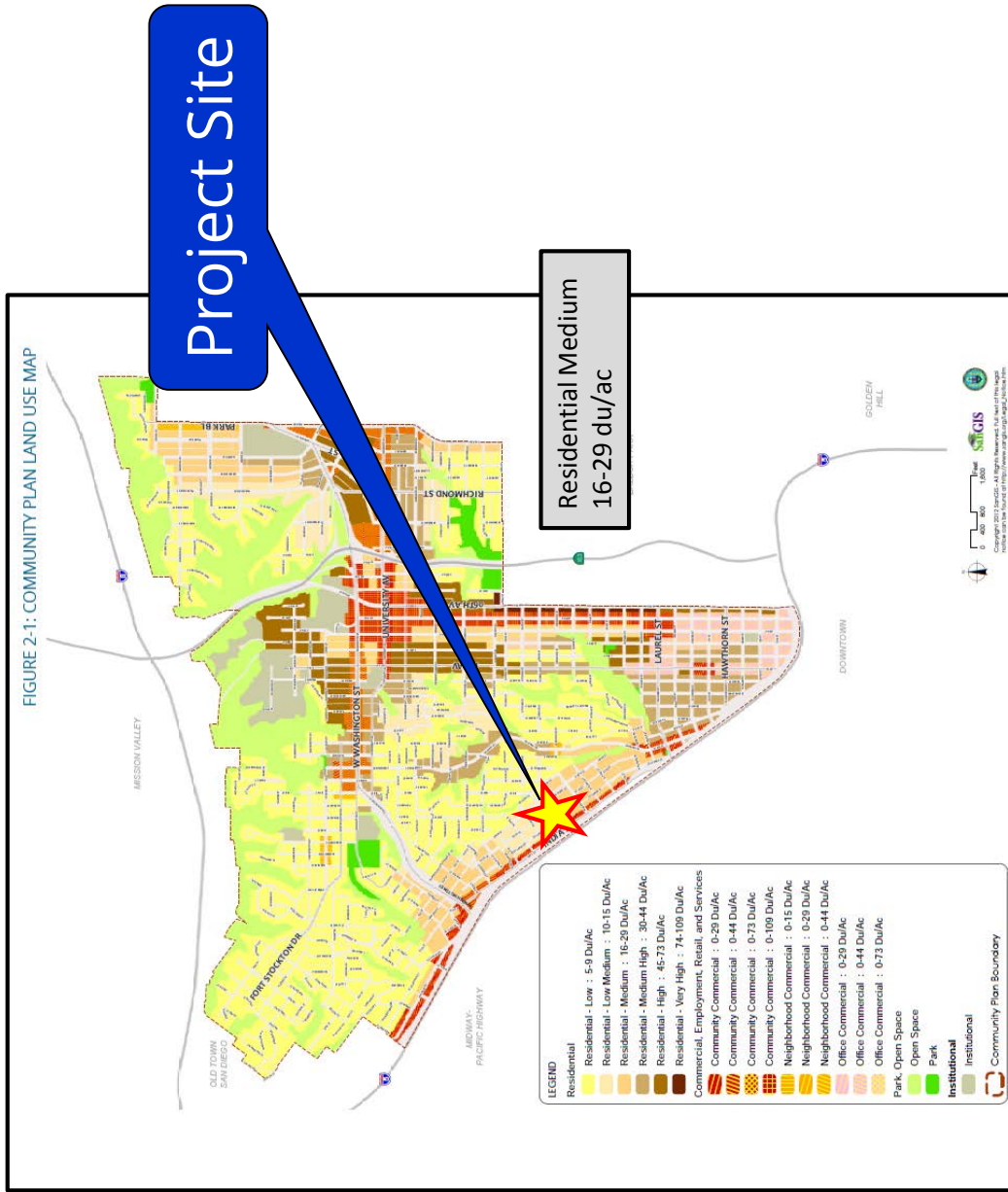


T-Mobile - Columbia Court (Uptown Community)
3217 Columbia Street, San Diego, CA 92103

North



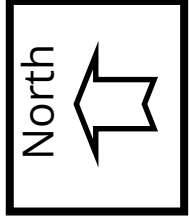
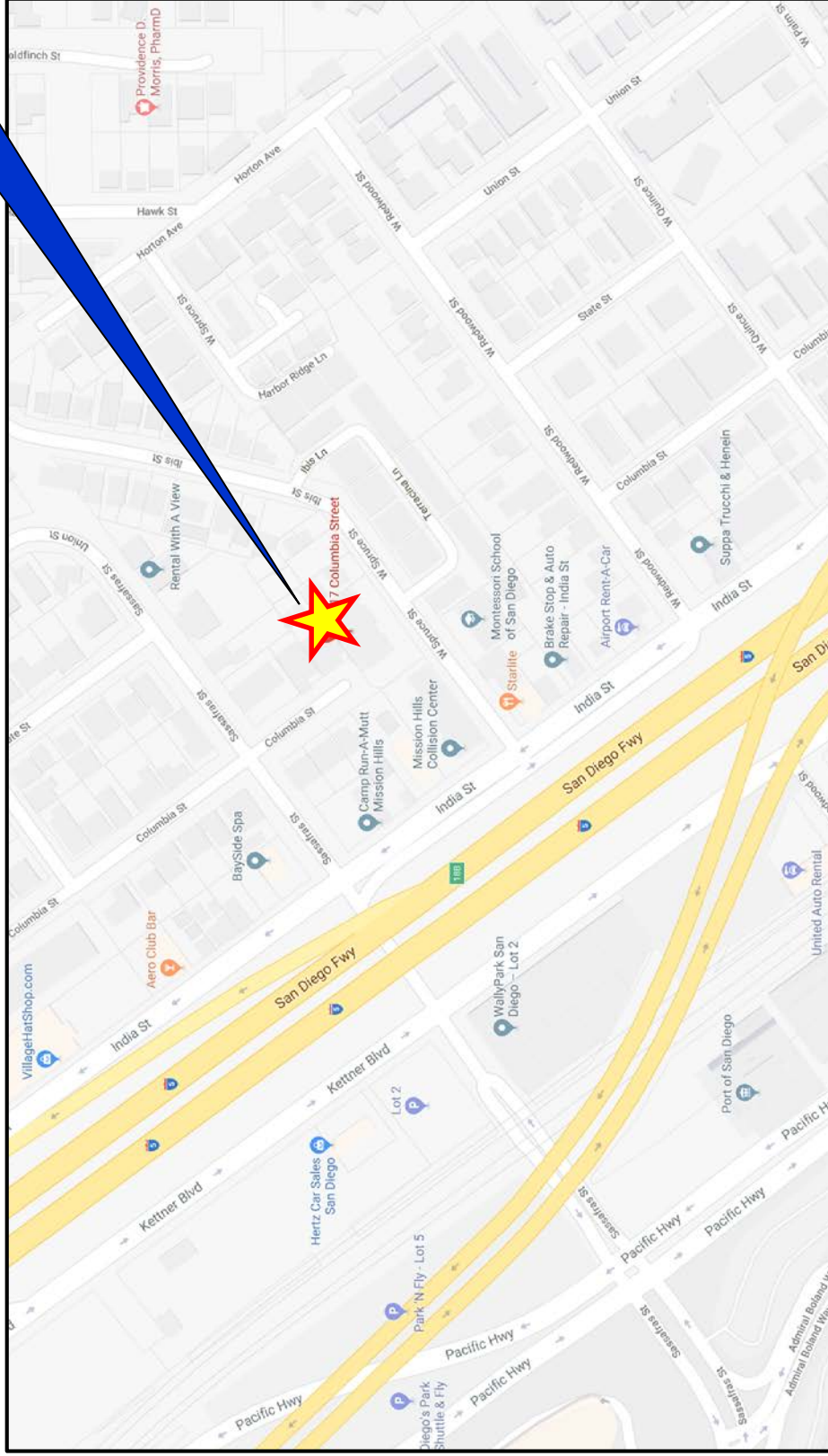
Community Plan



T-Mobile – Columbia Court (Uptown Community)
3217 Columbia Street, San Diego, CA 92103

Project Location Map

Project
Site



T-Mobile – Columbia Court (Uptown Community)
3217 Columbia Street, San Diego, CA 92103

PROJECT DATA SHEET		
PROJECT NAME:	T-Mobile – Columbia Court	
PROJECT DESCRIPTION:	An existing Wireless Communication Facility (WCF) consisting of six panel antennas concealed behind a decorative mansard roof with associated equipment to be located in the parking garage.	
COMMUNITY PLAN AREA:	Uptown	
DISCRETIONARY ACTIONS:	Conditional Use Permit	
COMMUNITY PLAN LAND USE DESIGNATION:	Residential Medium (16-29 du/ac)	
ZONING INFORMATION: ZONE: RM-2-5 (Residential Multiple Unit) HEIGHT LIMIT: 40 feet FRONT SETBACK: 15/20 feet (min/std) SIDE SETBACK: 5 feet REAR SETBACK: 15 feet		
ADJACENT PROPERTIES:	LAND USE DESIGNATION & ZONE	EXISTING LAND USE
NORTH:	Residential – Low Medium (10-15 du/ac); RM-2-5	Single-Unit Residential
SOUTH:	Residential – Medium (16-29 du/ac); zone	Multi-Unit Residential
EAST:	Residential – Low (5-9 du/ac); zone	Single-Unit Residential
WEST:	Community Commercial (0-29 du/ac); CC-3-4	Commercial
DEVIATION REQUESTED:	None	
COMMUNITY PLANNING GROUP RECOMMENDATION:	On April 2, 2019, the Uptown Planners voted to recommend approval of the project without conditions.	

PLANNING COMMISSION RESOLUTION NO. _____
CONDITIONAL USE PERMIT NO. 2264113
T-MOBILE COLUMBIA COURT - PROJECT NO. 583530

WHEREAS, COLUMBIA HEIGHTS HOMEOWNERS ASSOCIATION, Owner and T-MOBILE WEST, LLC, Permittee, filed an application with the City of San Diego for a permit for a Wireless Communication Facility (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No. 2264113), on portions of a .24-acre site;

WHEREAS, the project site is located at 3217 Columbia Street in the RM-2-5 zone of the Uptown Community Plan;

WHEREAS, the project site is legally described as Lot 1 of Columbia Heights in the City of San Diego, County of San Diego, State of California, according to Map thereof No. 6713, filed in the Office of the County Recorder of San Diego County, August 21, 1970;

WHEREAS, on March 11, 2019 the City of San Diego, as Lead Agency, through the Development Services Department, made and issued an Environmental Determination that the project is exempt from the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) under CEQA Guideline Section 15302 (Replacement or Reconstruction) and there was no appeal of the Environmental Determination filed within the time period provided by San Diego Municipal Code Section 112.0520;

WHEREAS, on May 9, 2019, the Planning Commission of the City of San Diego considered Conditional Use Permit No. 2264113 pursuant to the Land Development Code of the City of San Diego;

NOW, THEREFORE,

BE IT RESOLVED by the Planning Commission of the City of San Diego, that it adopts the following findings with respect to Conditional Use Permit No. 2264113:

A. CONDITIONAL USE PERMIT [SDMC Section 126.0305]

1. Findings for all Conditional Use Permits:

a. The proposed development will not adversely affect the applicable land use plan.

The Uptown Community Plan addresses the need for wireless communications, emphasizing that they must be done in a way not to detract from the community. It also references the City of San Diego's General Plan Urban Design Element (UD-A.15), which requires that the visual impact of wireless facilities be minimized by concealing wireless facilities in existing structures or using screening techniques to hide or blend them into the surrounding area. The Plan also calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, the plan states that equipment associated with wireless facilities must be concealed from view.

A total of six antennas (two per sector) and associated components will be located behind the mansard roof. Each antenna sector includes exhaust fans and vents on the back side that will keep electronics from overheating. The existing equipment is on the roof top behind screens and will be removed and relocated to the parking garage. The project has been designed to comply with the RM-2-5 development regulations and the WCF regulations and Guidelines and furthermore, the resulting project will be concealed and architecturally integrated except for the existing cable tray on the southeast side of the building.

Therefore, the proposed WCF does not adversely affect the applicable land use plan or the City's General Plan.

b. The proposed development will not be detrimental to the public health, safety, and welfare.

The project is located on a multi-unit residential building at 3217 Columbia Street in the Uptown Community Plan area. It consists of the relocation of six panel antennas, four which will remain behind Fiberglass Reinforced Panels (FRP) designed to match the mansard roof, and two that are currently façade-mounted and will be installed behind new FRP matching the mansard. The existing roof mounted equipment will be relocated to the parking garage. The resulting project will be concealed and architecturally integrated except for the existing cable tray on the southeast side of the building.

The project was determined to be exempt from the California Environmental Quality

Act (CEQA) pursuant to Section 15302 (Replacement or Reconstruction). The conditions of approval for the project will require compliance with several operational constraints and development controls intended to assure the continued public health, safety and welfare. All proposed improvement plans associated with the project will be reviewed prior to issuance of construction permits and inspected during construction to assure the project will meet or exceed all relevant and applicable building, electrical, mechanical, plumbing and fire codes.

The Telecommunications Act of 1996 preempts local governments from regulating the "placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emission to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions." A Radio Frequency - Electromagnetic Energy Compliance Report was prepared by EBI Consulting, which concluded that the project will be in compliance with FCC standards for RF emissions with certain mitigation measures such as posted signage and restricted access to the roof top. As a result, the project would not result in any significant health or safety risks to the surrounding area related to matters within the City's jurisdiction. Therefore, the proposed project will not be detrimental to the public health, safety and welfare.

c. The proposed development will comply with the regulations of the Land Development Code including any allowable deviations pursuant to the Land Development Code.

Land Development Code (LDC) Section 141.0420 permits Wireless Communication Facilities (WCFs) on premises containing residential uses in a residential zone with a Conditional Use Permit (CUP). The project is existing; it was originally approved in 1996 with two exposed antennas. T-Mobile is proposing to upgrade and continue operations at this site. The project proposes to relocate two of the concealed antenna sectors and install the remaining antenna sectors behind Fiberglass Reinforced Panels (FRP) designed to match the mansard. The associated equipment is proposed to be relocated from the rooftop to the parking garage. T-Mobile is not requesting any deviations with this project. The project has been designed to comply with all the applicable regulations in the LDC.

d. The proposed use is appropriate at the proposed location.

This project is in a Preference 4 location based on Council Policy 600-43, which establishes a hierarchy from the most preferred locations (Preference 1) to the least preferred locations (Preference 4) for Wireless Communication Facilities (WCFs). The project is located on a residential building in a residential zone, which requires a Conditional Use Permit [Land Development Code (LDC) Section 141.0420(f)(2)]. T-Mobile's Site Justification Map shows a search ring spanning the Interstate 5/Pacific Highway corridor east to the residential areas just above India Street. The project site sits approximately 40 feet above India Street and almost 50 feet above Interstate 5, providing excellent coverage to the north, west and south. Similar properties at the same height are also residential but at a lower height and commercial properties

are situated below the project site at a much lower height and would require additional height to provide the same coverage. This established project has been at this location for more than 20 years and T-Mobile proposes to modify the installation so that it will be concealed from view while maintaining T-Mobile's current coverage. Relocating the WCF to a lower -preference site would require an increase in height additional height to a building in an otherwise low scale area. Based on these facts, the proposed use is appropriate at this location.

The above findings are supported by the minutes, maps and exhibits, all of which are incorporated herein by this reference.

BE IT FURTHER RESOLVED that, based on the findings hereinbefore adopted by the Planning Commission, CUP No. 2264113 is hereby GRANTED by the Planning Commission to the referenced Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit No. 2264113, a copy of which is attached hereto and made a part hereof.

Karen Lynch
Development Project Manager
Development Services

Adopted on: May 9, 2019

IO#: 11003679

RECORDING REQUESTED BY
CITY OF SAN DIEGO
DEVELOPMENT SERVICES
PERMIT INTAKE, MAIL STATION
501

WHEN RECORDED MAIL TO
PROJECT MANAGEMENT
PERMIT CLERK
MAIL STATION 501

INTERNAL ORDER NUMBER: 11003679

SPACE ABOVE THIS LINE FOR RECORDER'S USE

CONDITIONAL USE PERMIT NO. 2264113
T-MOBILE – COLUMBIA COURT PROJECT NO. 583530
PLANNING COMMISSION

This Conditional Use Permit No. 2264113 is granted by the Planning Commission of the City of San Diego to Columbia Heights Homeowners Association, Owner, and T-Mobile West, LLC, Permittee, pursuant to San Diego Municipal Code [SDMC] sections 141.0420 and 126.0303. The 0.24-acre site is located at 3217 Columbia Street in the RM-2-5 zone of the Uptown Community Planning area. The project site is legally described as: Lot 1 of Columbia Heights in the City of San Diego, County of San Diego, State of California, according to Map thereof No. 6713, filed in the Office of the County Recorder of San Diego County, August 21, 1970.

Subject to the terms and conditions set forth in this Permit, permission is granted to Owner/Permittee for a Wireless Communication Facility (WCF) described and identified by size, dimension, quantity, type, and location on the approved exhibits [Exhibit "A"] dated May 9, 2019, on file in the Development Services Department.

The project shall include:

- a. Six panel antennas: three measuring 56.6" x 12.9" x 8.7" and three measuring 48" x 11.8" x 7.9" and nine Remote Radio Units, located behind the decorative faux mansard roof and;
- b. Relocation of the existing rooftop equipment cabinets into the parking garage;
- c. Public and private accessory improvements determined by the Development Services Department to be consistent with the land use and development standards for this site in accordance with the adopted community plan, the California Environmental Quality Act [CEQA] and the CEQA Guidelines, the City Engineer's requirements, zoning regulations, conditions of this Permit, and any other applicable regulations of the SDMC.

STANDARD REQUIREMENTS:

1. This permit must be utilized within thirty-six (36) months after the date on which all rights of appeal have expired. If this permit is not utilized in accordance with Chapter 12, Article 6, Division 1 of the SDMC within the 36-month period, this permit shall be void unless an Extension of Time has

been granted. Any such Extension of Time must meet all SDMC requirements and applicable guidelines in effect at the time the extension is considered by the appropriate decision maker. This permit must be utilized by May 23, 2022.

2. This permit and corresponding use of this site shall **expire on May 23, 2034**. Upon expiration of this approval, the facilities and improvements described herein shall be removed from this site and the property shall be restored to its original condition preceding approval of this permit unless the applicant of record files a new application for a facility which will be subject to compliance with all regulations in effect at the time.
3. No later than ninety (90) days prior to the expiration of this approval, the Owner/Permittee may submit a new application to the Development Services Department for consideration with review and a decision by the appropriate decision maker at that time. Failure to submit prior to the deadline will be cause for enforcement for noncompliance, which may include penalties and fines.
4. Under no circumstances, does approval of this permit authorize the Owner/Permittee to utilize this site for WCF purposes beyond the permit expiration date. Use of this permit approval beyond the expiration date of this permit is prohibited.
5. No permit for the construction, occupancy, or operation of any facility or improvement described herein shall be granted, nor shall any activity authorized by this Permit be conducted on the premises until:
 - a. The Owner/Permittee signs and returns the Permit to the Development Services Department; and
 - b. The Permit is recorded in the Office of the San Diego County Recorder.
6. While this Permit is in effect, the subject property shall be used only for the purposes and under the terms and conditions set forth in this Permit unless otherwise authorized by the appropriate City decision maker.
7. This Permit is a covenant running with the subject property and all of the requirements and conditions of this Permit and related documents shall be binding upon the Owner/Permittee and any successor(s) in interest.
8. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.
9. Issuance of this Permit by the City of San Diego does not authorize the Owner/Permittee for this Permit to violate any Federal, State or City laws, ordinances, regulations or policies including, but not limited to, the Endangered Species Act of 1973 [ESA] and any amendments thereto (16 U.S.C. § 1531 et seq.).
10. The Owner/Permittee shall secure all necessary building permits. The Owner/Permittee is informed that to secure these permits, substantial building modifications and site improvements

may be required to comply with applicable building, fire, mechanical, and plumbing codes, and State and Federal disability access laws.

11. Construction plans shall be in substantial conformity to Exhibit "A." Changes, modifications, or alterations to the construction plans are prohibited unless appropriate application(s) or amendment(s) to this Permit have been granted.

12. All of the conditions contained in this Permit have been considered and were determined necessary to make the findings required for approval of this Permit. The Permit holder is required to comply with each and every condition in order to maintain the entitlements that are granted by this Permit.

If any condition of this Permit, on a legal challenge by the Owner/Permittee of this Permit, is found or held by a court of competent jurisdiction to be invalid, unenforceable, or unreasonable, this Permit shall be void. However, in such an event, the Owner/Permittee shall have the right, by paying applicable processing fees, to bring a request for a new permit without the "invalid" condition(s) back to the discretionary body which approved the Permit for a determination by that body as to whether all of the findings necessary for the issuance of the proposed permit can still be made in the absence of the "invalid" condition(s). Such hearing shall be a hearing de novo, and the discretionary body shall have the absolute right to approve, disapprove, or modify the proposed permit and the condition(s) contained therein.

13. The Owner/Permittee shall defend, indemnify, and hold harmless the City, its agents, officers, and employees from any and all claims, actions, proceedings, damages, judgments, or costs, including attorney's fees, against the City or its agents, officers, or employees, relating to the issuance of this permit including, but not limited to, any action to attack, set aside, void, challenge, or annul this development approval and any environmental document or decision. The City will promptly notify Owner/Permittee of any claim, action, or proceeding and, if the City should fail to cooperate fully in the defense, the Owner/Permittee shall not thereafter be responsible to defend, indemnify, and hold harmless the City or its agents, officers, and employees. The City may elect to conduct its own defense, participate in its own defense, or obtain independent legal counsel in defense of any claim related to this indemnification. In the event of such election, Owner/Permittee shall pay all of the costs related thereto, including without limitation reasonable attorney's fees and costs. In the event of a disagreement between the City and Owner/Permittee regarding litigation issues, the City shall have the authority to control the litigation and make litigation related decisions, including, but not limited to, settlement or other disposition of the matter. However, the Owner/Permittee shall not be required to pay or perform any settlement unless such settlement is approved by Owner/Permittee.

ENGINEERING REQUIREMENTS:

14. Prior to the issuance of any construction permit the Permittee shall submit a Water Pollution Control Plan (WPCP). The WPCP shall be prepared in accordance with the guidelines in Appendix G of the City's Storm Water Standards.

PLANNING/DESIGN REQUIREMENTS:

15. Every aspect of this project is considered an element of concealment including, but not limited to, the dimensions, bulk and scale, color, materials and texture. Any future modifications to this permit must not defeat concealment.
16. No visible cabling is permitted.
17. The WCF shall conform to the approved construction plans.
18. Photo simulations shall be printed in color on the construction plans.
19. The existing equipment located on the rooftop must be relocated to the parking garage prior to approval of final inspection. The rooftop must be restored back to its original condition.
20. Once removal of the gamma sector antennas has been completed, the mansard must be restored back to its original condition, subject to the satisfaction of the Development Services Department.
21. The Owner/Permittee shall install and maintain appropriate warning signage on the WCF as required by State and Federal regulations. The Owner/Permittee shall be responsible for complying with all State and Federal regulations.
22. Antennas and associated components, such as, but not limited to, remote radio units (RRUs), surge suppressors, etc., shall not exceed the height of any existing or proposed screen walls.
23. Use of or replacement of any building façade or mechanical screen with RF-transparent material for purposes of concealing antennas shall not result in any noticeable lines or edges in the transition to the original building. All RF-transparent material shall be painted and textured to match the original building and adjacent building surfaces.
24. The accuracy and validity of the RF Compliance Report, submitted by the Permittee, shall be assured while the WCF is in operation. If requested by the City, Owner/Permittee shall provide an updated RF Compliance Report to address any issues associated with the emitting components of the WCF.
25. All equipment, including transformers, emergency generators and air conditioners belonging to the Owner/Permittee shall be designed and operated consistent with the City noise ordinance. Ventilation openings shall be baffled and directed away from residential areas. Vibration resonance of operating equipment in the equipment enclosures shall be eliminated.
26. All facilities and related equipment shall be maintained in good working order. Any damaged equipment shall be repaired or replaced within thirty (30) calendar days of notification by the City of San Diego.

27. The Owner/Permittee shall notify the City within 30 days of the sale or transfer of this site to any other provider or if the site is no longer operational, in which case, the removal and the restoration of this site to its original condition is required.

INFORMATION ONLY:

- Please note that a Telecom Planning Inspection Issue will be placed on the project prior to Final Clearance from the City's Building Inspector to ensure compliance with the approved plans and associated conditions. Prior to calling for your Final Inspection from your building inspection official, please contact the Project Manager listed below at (619) 446-5351 to schedule an inspection of the completed facility. Please schedule this administrative inspection at least five working days ahead of the requested Final Inspection date.
- The issuance of this development permit alone does not allow the immediate commencement or continued operation of the proposed use on site. The operation allowed by this discretionary permit may only begin or recommence after all conditions listed on this permit are fully completed and all required ministerial permits have been issued and received final inspection.
- Any party on whom fees, dedications, reservations, or other exactions have been imposed as conditions of approval of this Permit, may protest the imposition within ninety days of the approval of this development permit by filing a written protest with the City Clerk pursuant to California Government Code-section 66020.
- This development may be subject to impact fees at the time of construction permit issuance.

APPROVED by the Planning Commission of the City of San Diego on May 9, 2019 by Resolution No.

_____.

ATTACHMENT 6

Permit Type/PTS Approval No.: CUP No. 2264113
Date of Approval: May 9, 2019

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT

Karen Lynch
Development Project Manager

**NOTE: Notary acknowledgment
must be attached per Civil Code
section 1189 et seq.**

The undersigned Owner/Permittee, by execution hereof, agrees to each and every condition of
this Permit and promises to perform each and every obligation of Owner/Permittee hereunder.

**Columbia Heights
Homeowners Association**
Owner

By _____
NAME:
TITLE:

T-Mobile West, LLC
Permittee

By _____
NAME:
TITLE:

**NOTE: Notary acknowledgments
must be attached per Civil Code
section 1189 et seq.**

NOTICE OF EXEMPTION**ATTACHMENT 7***(Check one or both)*

TO: ☒ RECORDER/COUNTY CLERK
P.O. Box 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

☐ OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

Project No.: 583530

Project Title: T-Mobile Columbia

PROJECT LOCATION-SPECIFIC: The project is located at 4324 Clairemont Mesa Boulevard San Diego CA 92122.

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

Description of nature and Purpose of the Project: A Conditional Use Permit (CUP) application for the modification of an existing Wireless Communication Facility (WCF) within an existing building. The existing WCF consists of 6 panel antennas and 9 remote radio units, which are proposed to be relocated behind the existing decorative roof screens on a multi-unit residential building located at 3217 Columbia Street. The existing equipment is located on the roof top and is proposed to be moved to the garage. The project site is located within a fully developed neighborhood and is primarily surrounded by residential uses in the RM-2-5 zone.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Richard Dail, 5015 Shoreham Place, Suite 150, San Diego CA 92122. (858) 200-6541

EXEMPT STATUS: (CHECK ONE)

- ☐ MINISTERIAL (SEC. 21080(b)(1); 15268);
- ☐ DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- ☐ EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c)..
- ☒ CATEGORICAL EXEMPTION: Section 15302 (Replacement)
- ☐ STATUTORY EXEMPTION:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego determined that the project would qualify to be categorically exempt from CEQA pursuant to Section 15302 (Replacement or Reconstruction) which allows for the replacement of existing utility systems and or facilities involving negligible or no expansion of capacity. Since the project would only relocate and replace WCF equipment it was determined that the replacement exemption was appropriate. Additionally, the project would occur on a site devoid of sensitive resources and the exceptions listed in CEQA Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: JEFFREY SZYMANSKI

TELEPHONE: 619 446-5324

IF FILED BY APPLICANT:

1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

P. J. Romero / SENIOR PLANNER
SIGNATURE/TITLE
CHECK ONE:

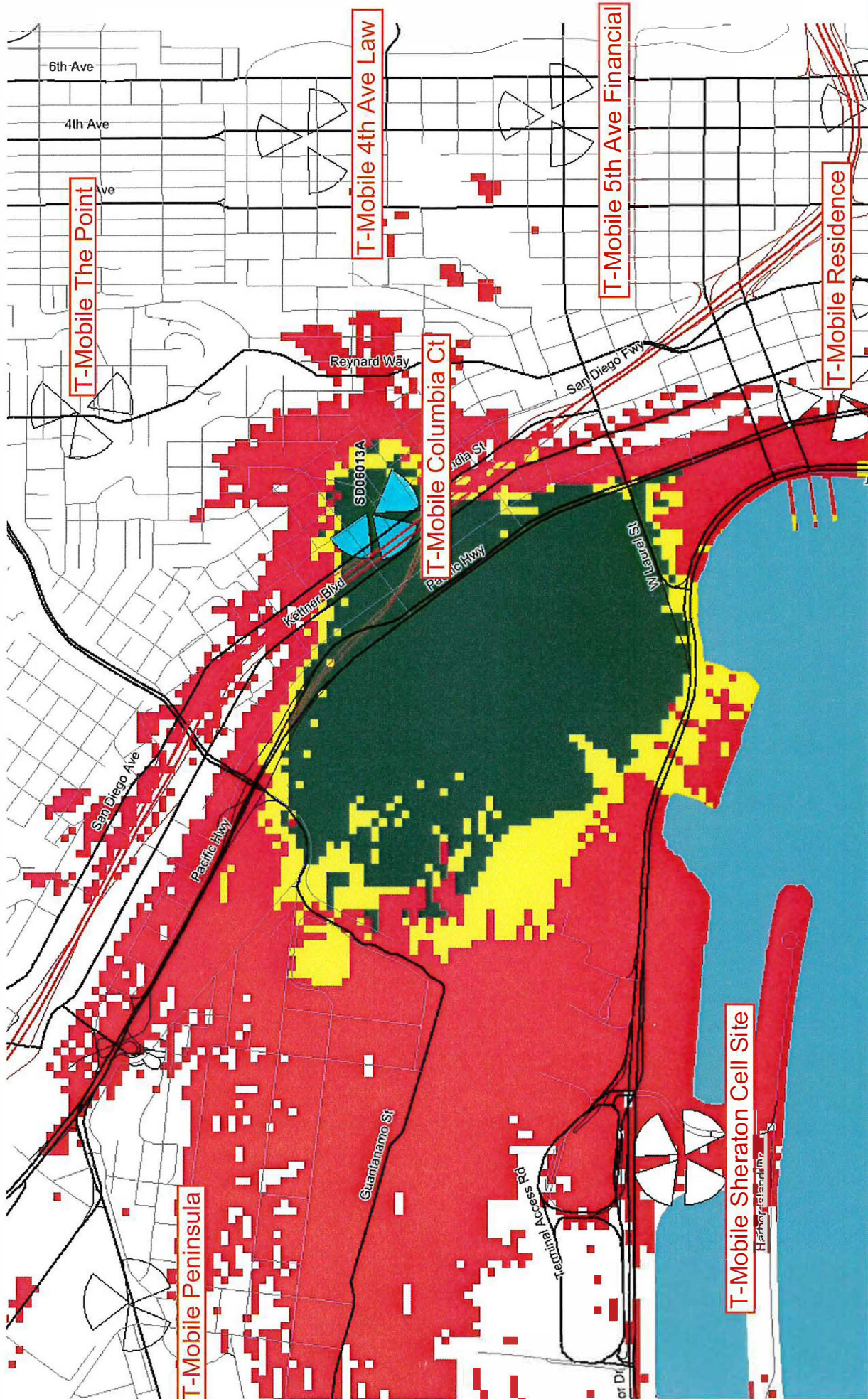
4/18/2019
DATE

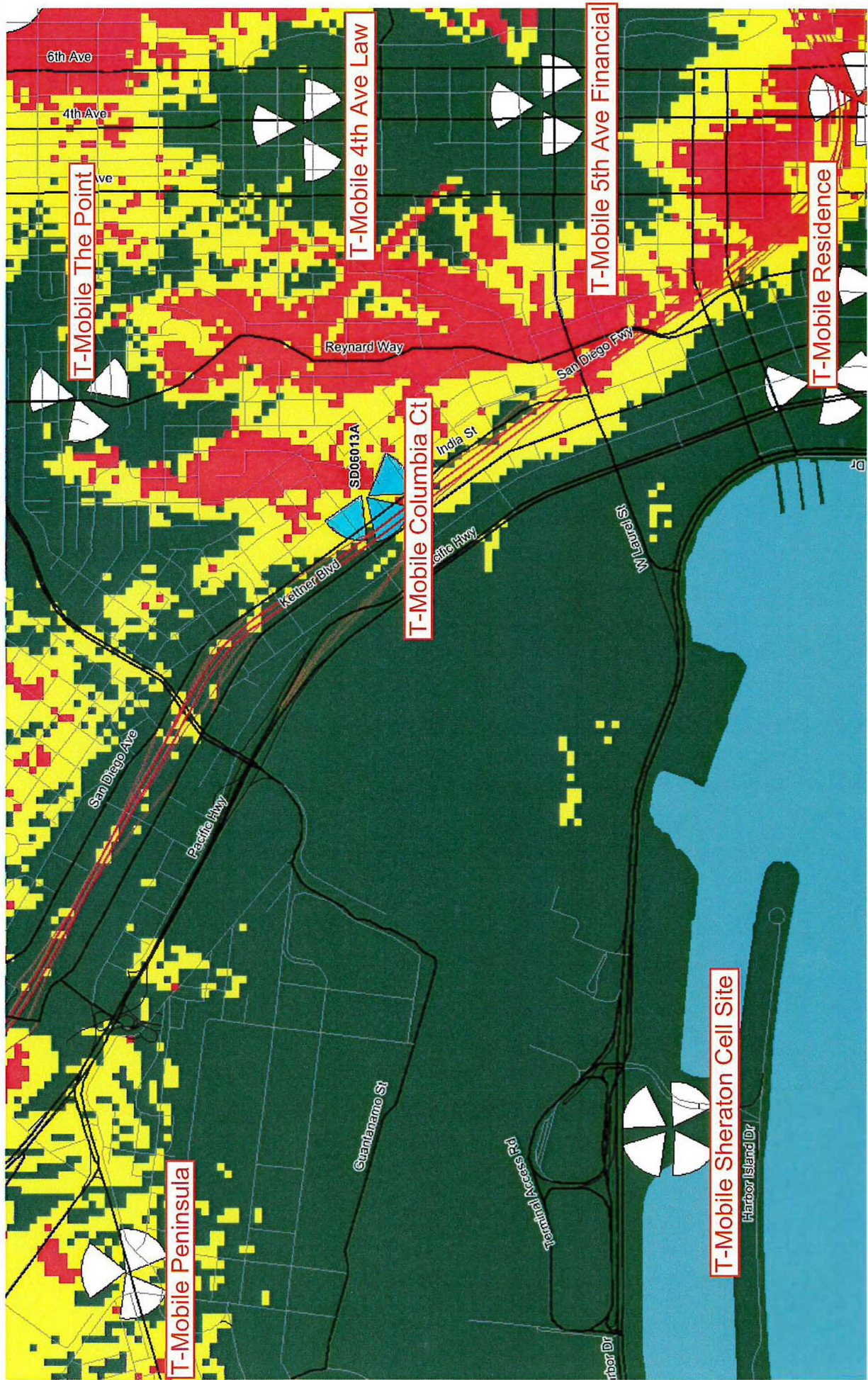
(X) SIGNED BY LEAD AGENCY

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

T-Mobile

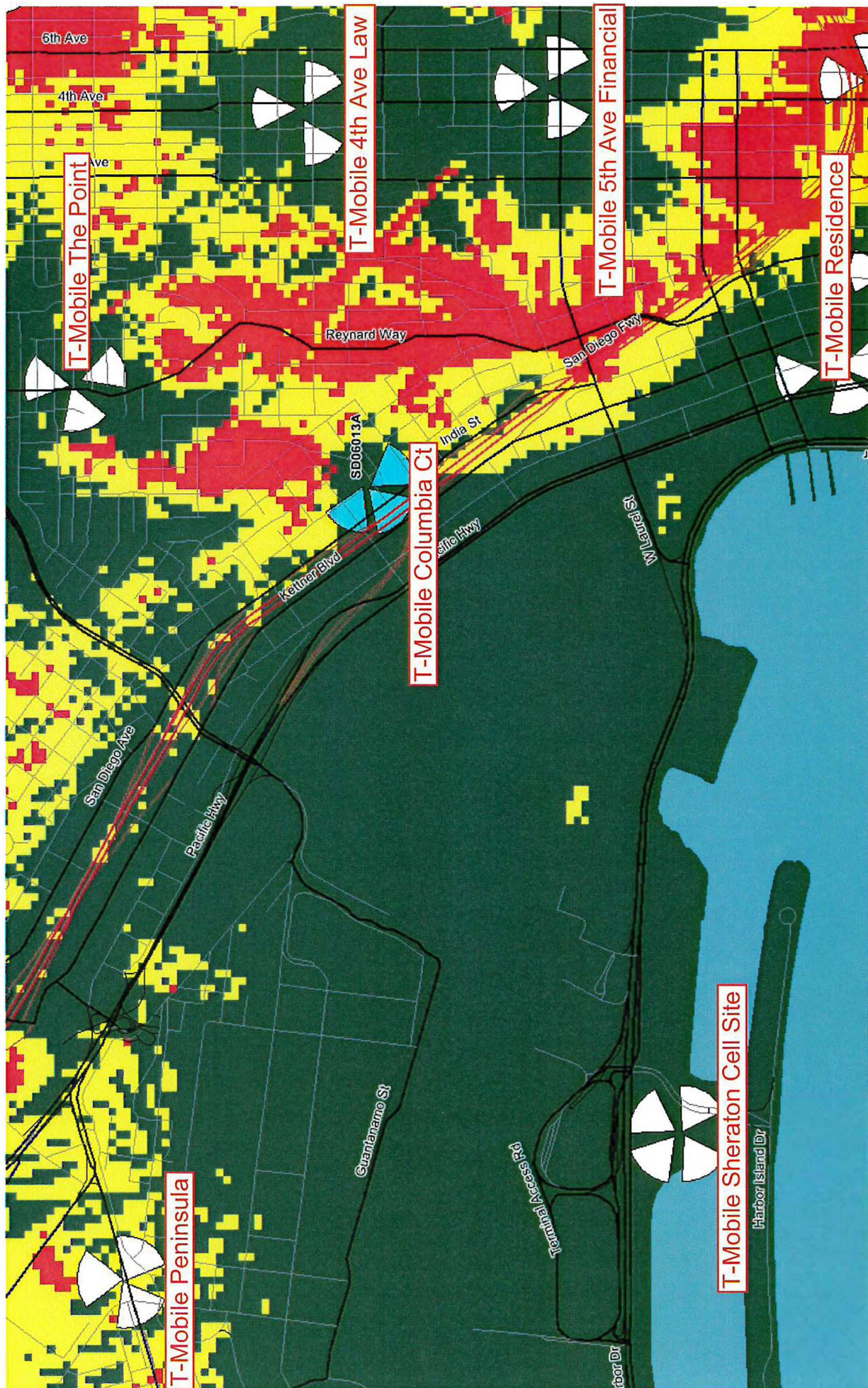
SD06013A current coverage



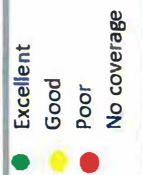
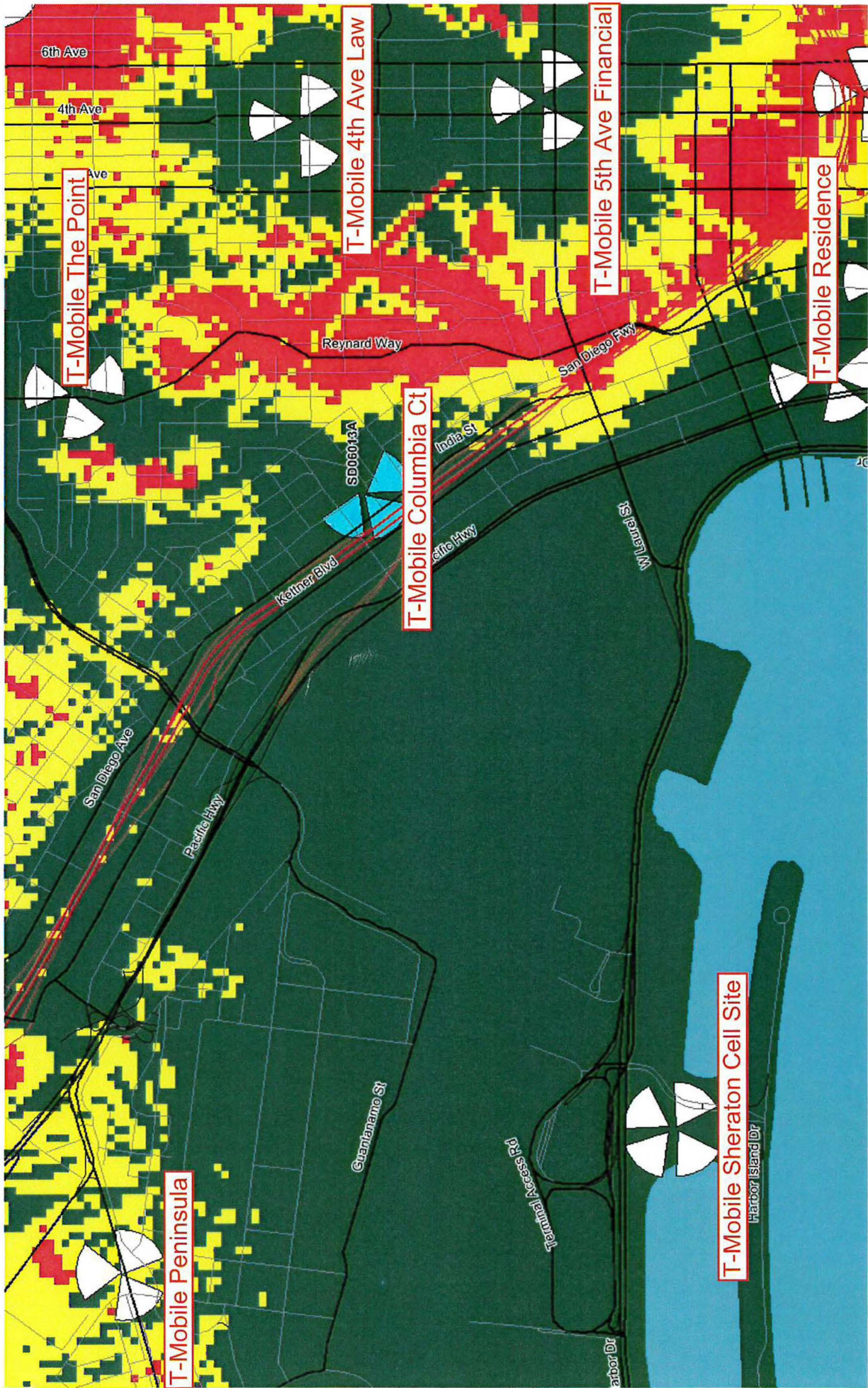




Site with existing On-Air neighbor sites coverage



Upgraded Site (L700 & L19) with existing On-Air neighbor sites coverage



SAC Wireless Photo Survey

T-Mobile Project

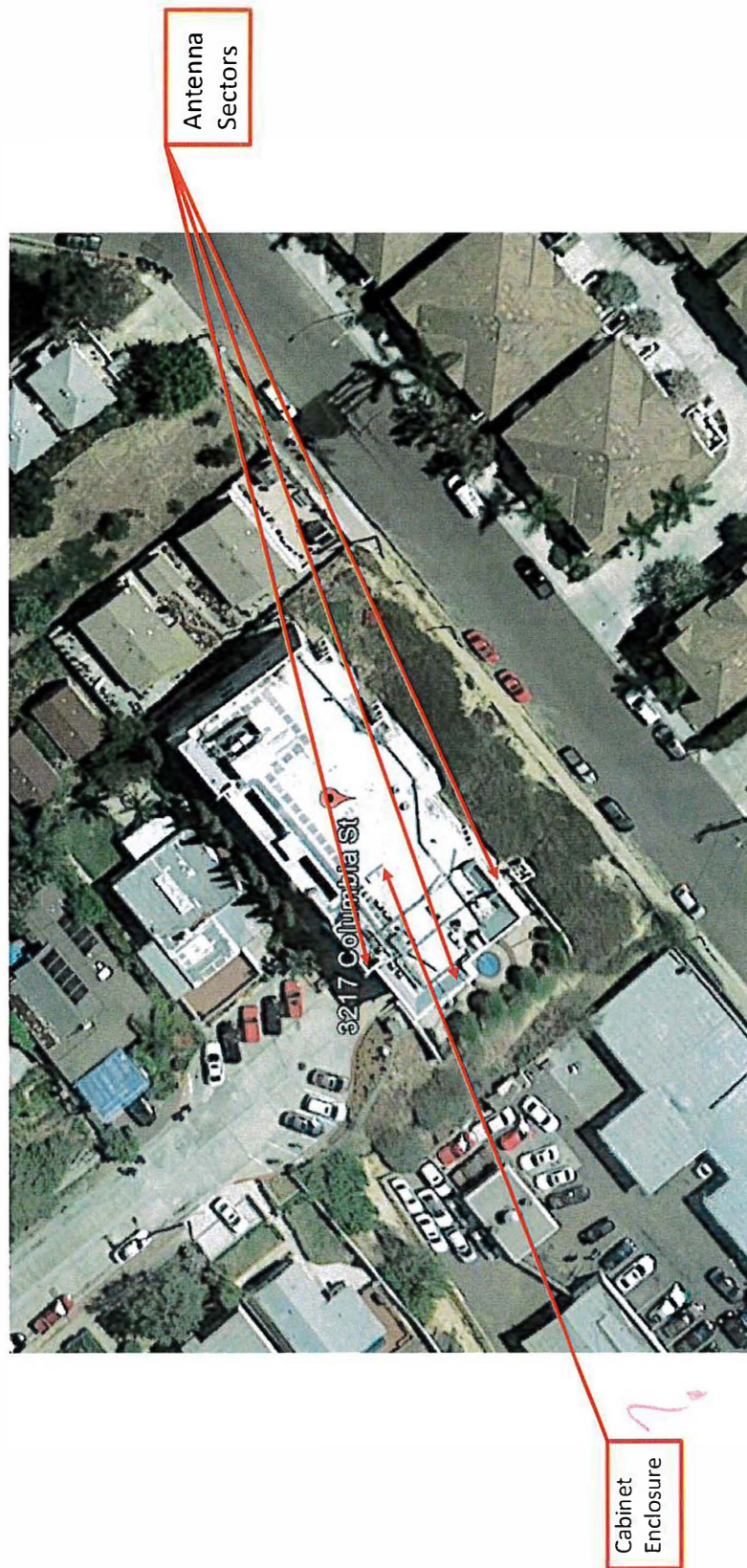
SD06013A SD013

3217 Columbia St. San Diego, CA 92103

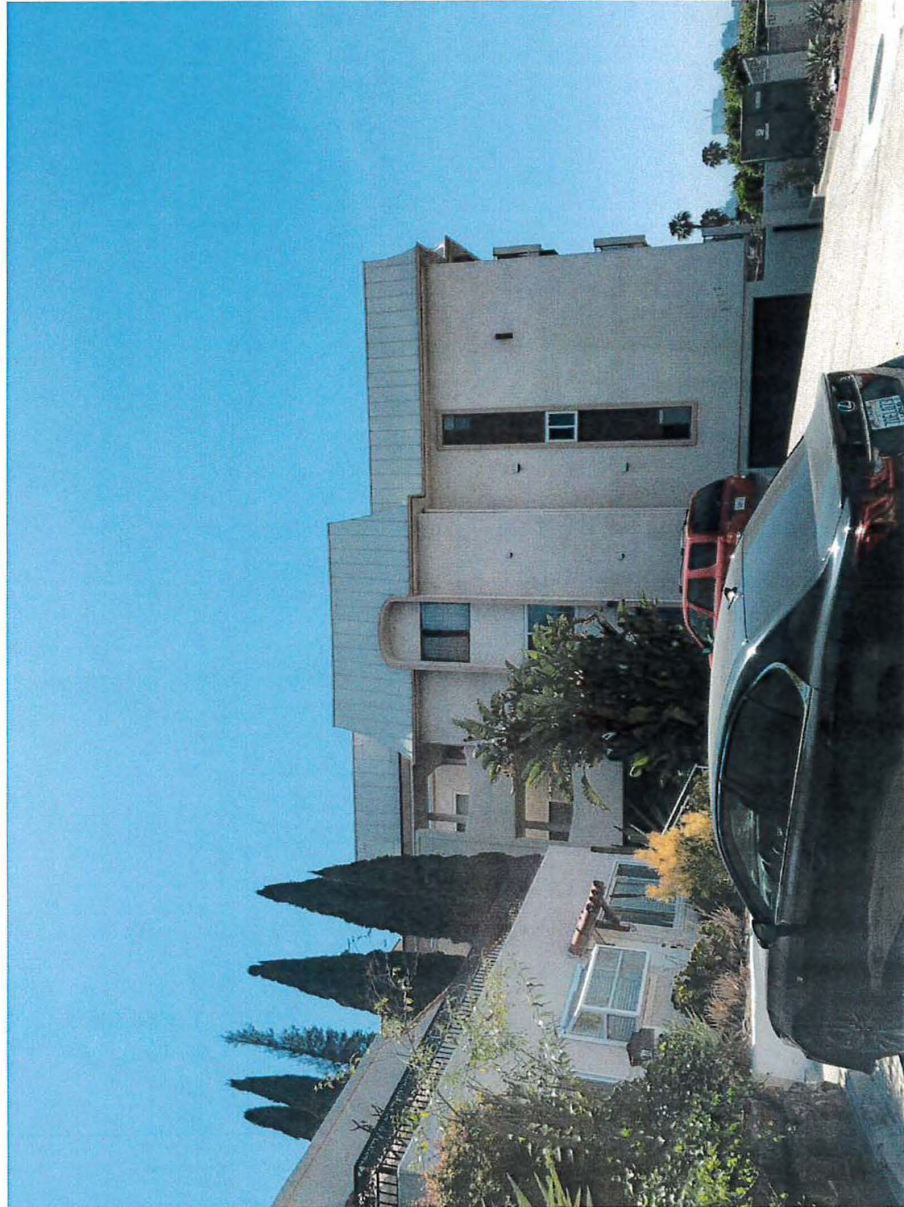
Index

Page	Subject
3	Aerial View of Site
4	View of Site from North
5	View of Site from East
6	View of Site from South
7	View of Site from West
8	View from Site to North
9	View from Site to East
10	View from Site to South
11	View from Site to West

Aerial View of Site



View of Site from North



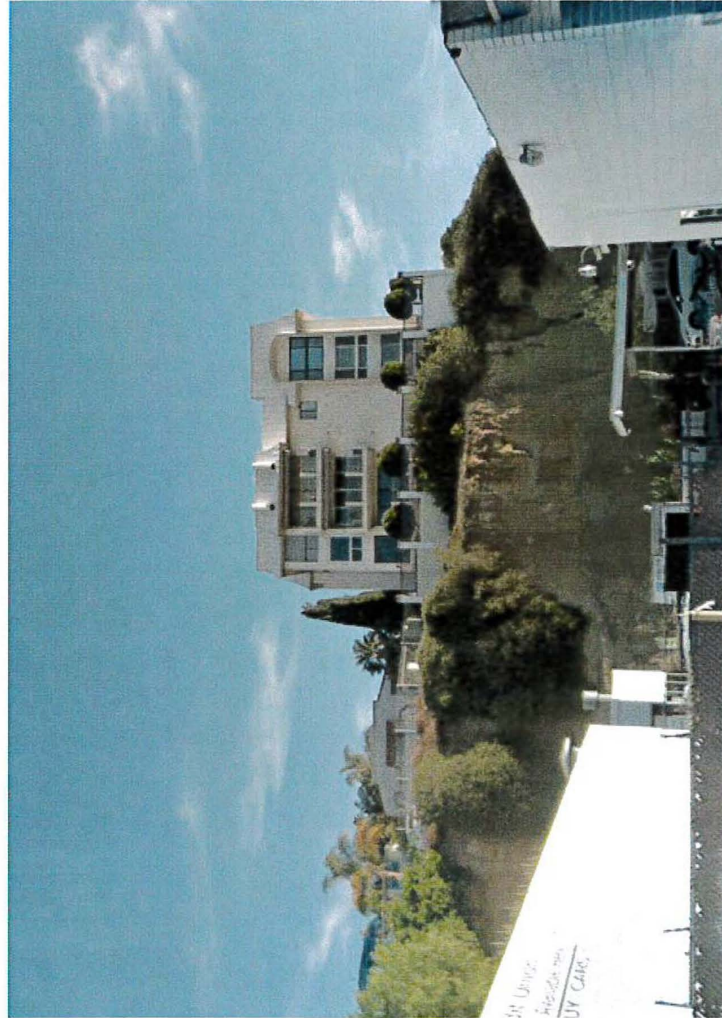
View of Site from East



View of Site from South



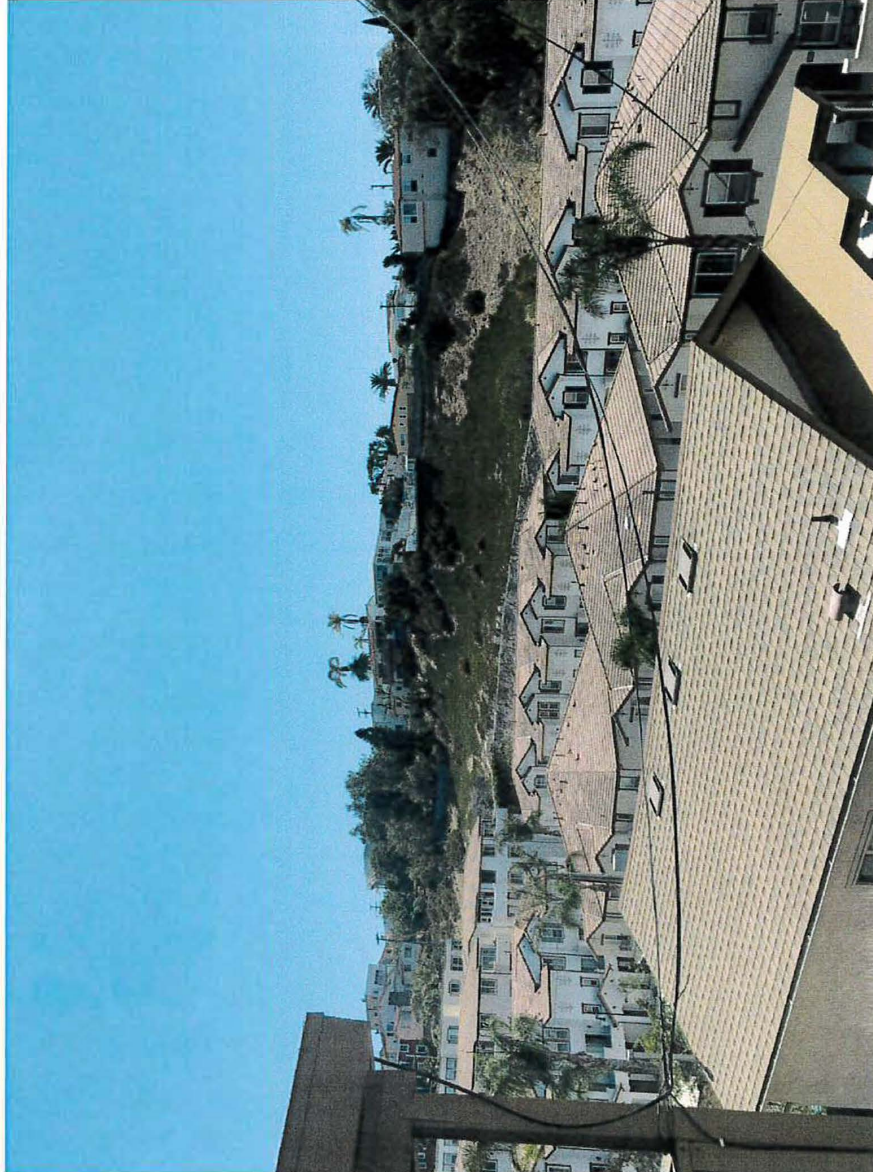
View of Site from West



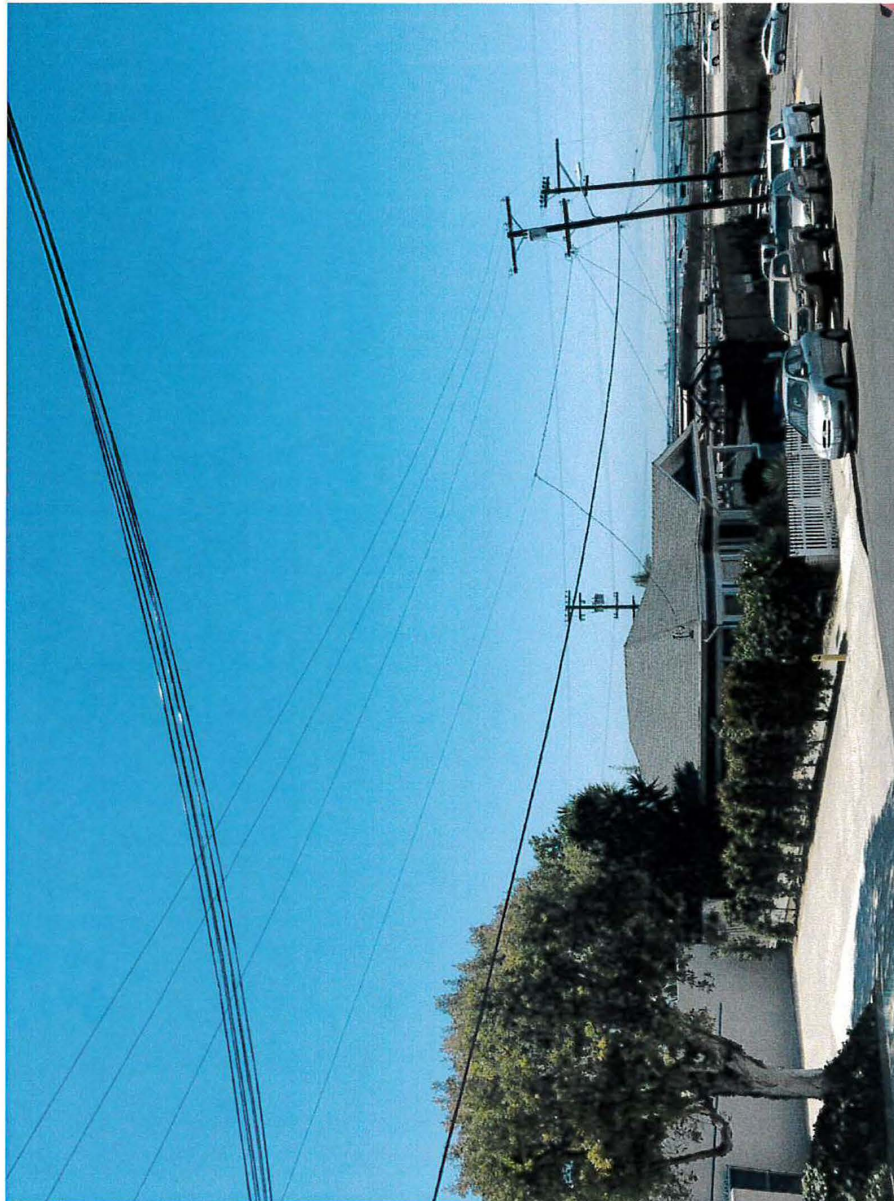
View from Site to North



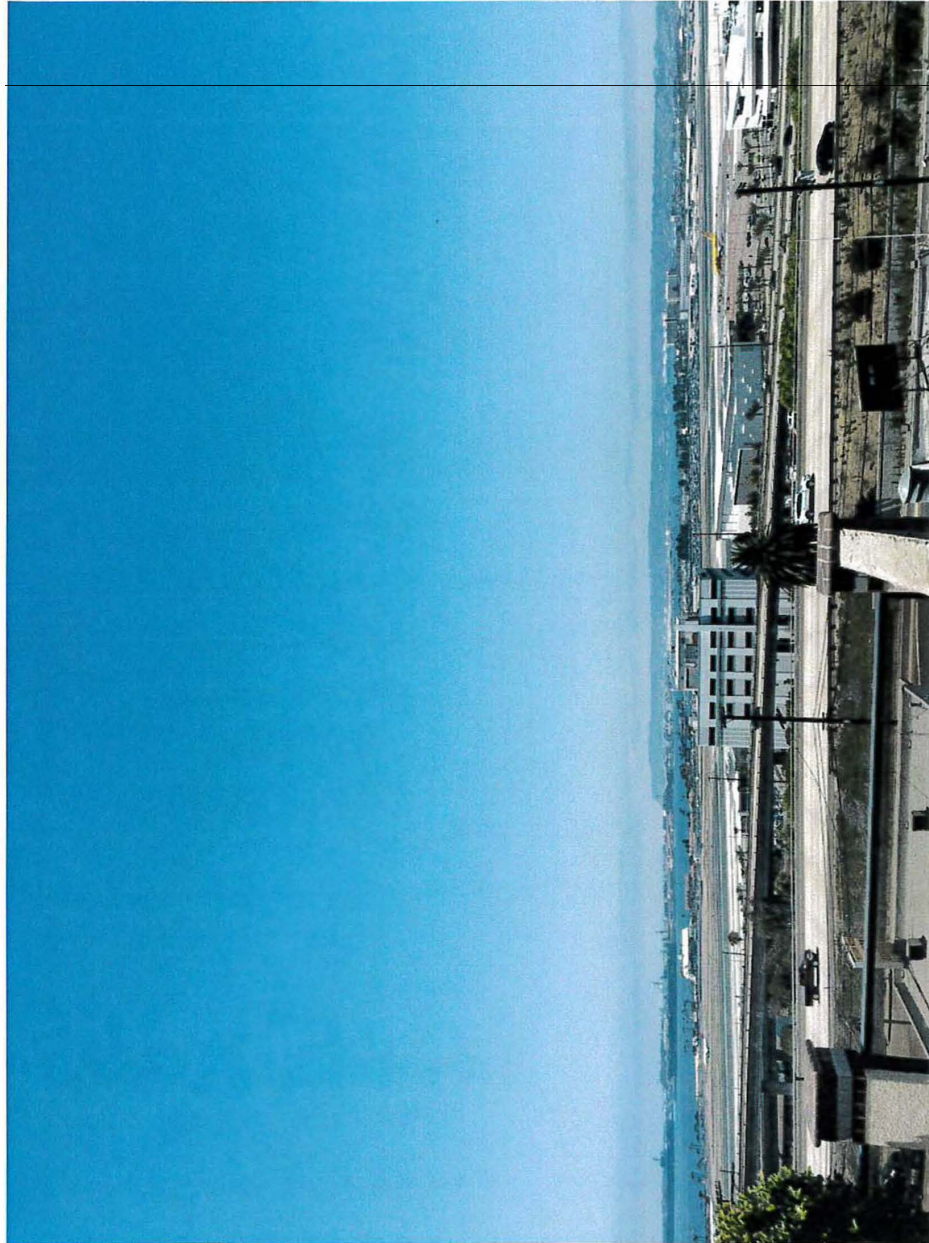
View from Site to East



View from Site to South



View from Site to West



COMMUNITY PLANNING GROUP RECOMMENDATION

The Uptown Community Planners reviewed T-Mobile Columbia Court on April 2, 2019 and recommended to approve the project. Written verification including the vote count has not been received at the time of this report publication. It is anticipated that either written or verbal verification will be provided on the day of the public hearing.



THE CITY OF SAN DIEGO

City of San Diego
Development Services
1222 First Ave., MS-302
San Diego, CA 92101
(619) 446-5000

Ownership Disclosure Statement

Approval Type: Check appropriate box for type of approval (s) requested: ☐ Neighborhood Use Permit ☐ Coastal Development Permit
☐ Neighborhood Development Permit ☐ Site Development Permit ☒ Planned Development Permit ☒ Conditional Use Permit
☐ Variance ☐ Tentative Map ☐ Vesting Tentative Map ☐ Map Waiver ☐ Land Use Plan Amendment • ☐ Other _____

Project Title

T-Mobile Columbia St

Project No. For City Use Only

583530

Project Address:

3217 Columbia Street, San Diego, CA 92103

Part I - To be completed when property is held by individual(s)

By signing the Ownership Disclosure Statement, the owner(s) acknowledge that an application for a permit, map or other matter, as identified above, will be filed with the City of San Diego on the subject property, with the intent to record an encumbrance against the property. Please list below the owner(s) and tenant(s) (if applicable) of the above referenced property. The list must include the names and addresses of all persons who have an interest in the property, recorded or otherwise, and state the type of property interest (e.g., tenants who will benefit from the permit, all individuals who own the property). A signature is required of at least one of the property owners. Attach additional pages if needed. A signature from the Assistant Executive Director of the San Diego Redevelopment Agency shall be required for all project parcels for which a Disposition and Development Agreement (DDA) has been approved / executed by the City Council. Note: The applicant is responsible for notifying the Project Manager of any changes in ownership during the time the application is being processed or considered. Changes in ownership are to be given to the Project Manager at least thirty days prior to any public hearing on the subject property. Failure to provide accurate and current ownership information could result in a delay in the hearing process.

Additional pages attached ☐ Yes ☐ No

Name of Individual (type or print):

☐ Owner ☐ Tenant/Lessee ☐ Redevelopment Agency

Street Address:

City/State/Zip:

Phone No:

Fax No:

Signature :

Date:

Name of Individual (type or print):

☐ Owner ☐ Tenant/Lessee ☐ Redevelopment Agency

Street Address:

City/State/Zip:

Phone No:

Fax No:

Signature :

Date:

Name of Individual (type or print):

☐ Owner ☐ Tenant/Lessee ☐ Redevelopment Agency

Street Address:

City/State/Zip:

Phone No:

Fax No:

Signature :

Date:

Name of Individual (type or print):

☐ Owner ☐ Tenant/Lessee ☐ Redevelopment Agency

Street Address:

City/State/Zip:

Phone No:

Fax No:

Signature :

Date:


Project Title: T-Mobile Columbia St	Project No. (For City Use Only)
---	--

Part II - To be completed when property is held by a corporation or partnership

Legal Status (please check):

☐ Corporation
 ☒ Limited Liability -or-
 ☐ General) What State? _____ Corporate Identification No. _____
☐ Partnership

By signing the Ownership Disclosure Statement, the owner(s) acknowledge that an application for a permit, map or other matter, as identified above, will be filed with the City of San Diego on the subject property with the intent to record an encumbrance against the property. Please list below the names, titles and addresses of all persons who have an interest in the property, recorded or otherwise, and state the type of property interest (e.g., tenants who will benefit from the permit, all corporate officers, and all partners in a partnership who own the property). A signature is required of at least one of the corporate officers or partners who own the property. Attach additional pages if needed. **Note:** The applicant is responsible for notifying the Project Manager of any changes in ownership during the time the application is being processed or considered. Changes in ownership are to be given to the Project Manager at least thirty days prior to any public hearing on the subject property. Failure to provide accurate and current ownership information could result in a delay in the hearing process. **Additional pages attached** ☒ Yes ☐ No

Corporate/Partnership Name (type or print): T-Mobile <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Tenant/Lessee Street Address: 10509 Vista Sorrento Parkway, Suite 206 City/State/Zip: San Diego, CA 92121 Phone No: _____ Fax No: _____ 8583346112 Name of Corporate Officer/Partner (type or print): T-mobile Title (type or print): Site Development (authorized rep, see authorization letter) Signature : _____ Date: _____	Corporate/Partnership Name (type or print): Columbia Homeowners Association <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Tenant/Lessee Street Address: 3217 Columbia Street City/State/Zip: San Diego, CA 92103 Phone No: _____ Fax No: _____ Name of Corporate Officer/Partner (type or print): Homeowners Association Title (type or print): Site Development (authorized rep, see authorization letter) Signature :  Date: 2/9/18
Corporate/Partnership Name (type or print): <input type="checkbox"/> Owner <input type="checkbox"/> Tenant/Lessee Street Address: City/State/Zip: Phone No: _____ Fax No: _____ Name of Corporate Officer/Partner (type or print): Title (type or print): Signature : _____ Date: _____	Corporate/Partnership Name (type or print): <input type="checkbox"/> Owner <input type="checkbox"/> Tenant/Lessee Street Address: City/State/Zip: Phone No: _____ Fax No: _____ Name of Corporate Officer/Partner (type or print): Title (type or print): Signature : _____ Date: _____
Corporate/Partnership Name (type or print): <input type="checkbox"/> Owner <input type="checkbox"/> Tenant/Lessee Street Address: City/State/Zip: Phone No: _____ Fax No: _____ Name of Corporate Officer/Partner (type or print): Title (type or print): Signature : _____ Date: _____	Corporate/Partnership Name (type or print): <input type="checkbox"/> Owner <input type="checkbox"/> Tenant/Lessee Street Address: City/State/Zip: Phone No: _____ Fax No: _____ Name of Corporate Officer/Partner (type or print): Title (type or print): Signature : _____ Date: _____

COLUMBIA HEIGHTS HOMEOWNERS ASSOCIATION BOARD MEMBERS:

Jim Burns

Steven Derganc

Pete D'Amato

Sean Welch

Eddie Garcia

Jim DiAnna

30th Place
722 30th Place
San Diego, CA 92102



Existing telecommunications site

30th Place
722 30th Place
San Diego, CA 92102



Replacement antennas mounted
to new monoeucalyptus

Proposed landscaping



These simulations are intended for graphical purposes only and not intended
to be part of or to replace the information provided on the construction drawings
9/21/2017

Photosimulation of proposed telecommunications site

VICINITY MAP

PHOTOSIMULATION VIEWPOINTS

T-Mobile®

L700/L1900 PROJECT
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SAC
WIRELESS
SAC AE DESIGN GROUP INC
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
OFFICE: (619) 736-3766



DISCLAIMER:

THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT / DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION. ACTUAL, FINAL CONSTRUCTION MAY VARY

L700/L1900 PROJECT
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

PHOTOSIMULATION VIEW 1 LOOKING SOUTHEAST

T-Mobile®

EXISTING

EXISTING T-MOBILE PANEL
ANTENNAS MOUNTED TO
EXISTING ANTENNA MOUNTS TO
BE REMOVED, (6) TOTAL, (2) PER
SECTOR (TYP. ALL SECTORS)

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE RADIO (RRUS11B4) TO BE REMOVED, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE RADIOS TO BE RELOCATED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

PROPOSED

PROPOSED T-MOBILE L1900
PANEL ANTENNA MOUNTED
TO PROPOSED ANTENNA
MOUNT, (3) TOTAL, (1) PER
SECTOR (TYP. ALL SECTORS)

PROPOSED T-MOBILE L700
PANEL ANTENNA MOUNTED
TO PROPOSED ANTENNA
MOUNT, (3) TOTAL, (1) PER
SECTOR (TYP. ALL SECTORS)

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

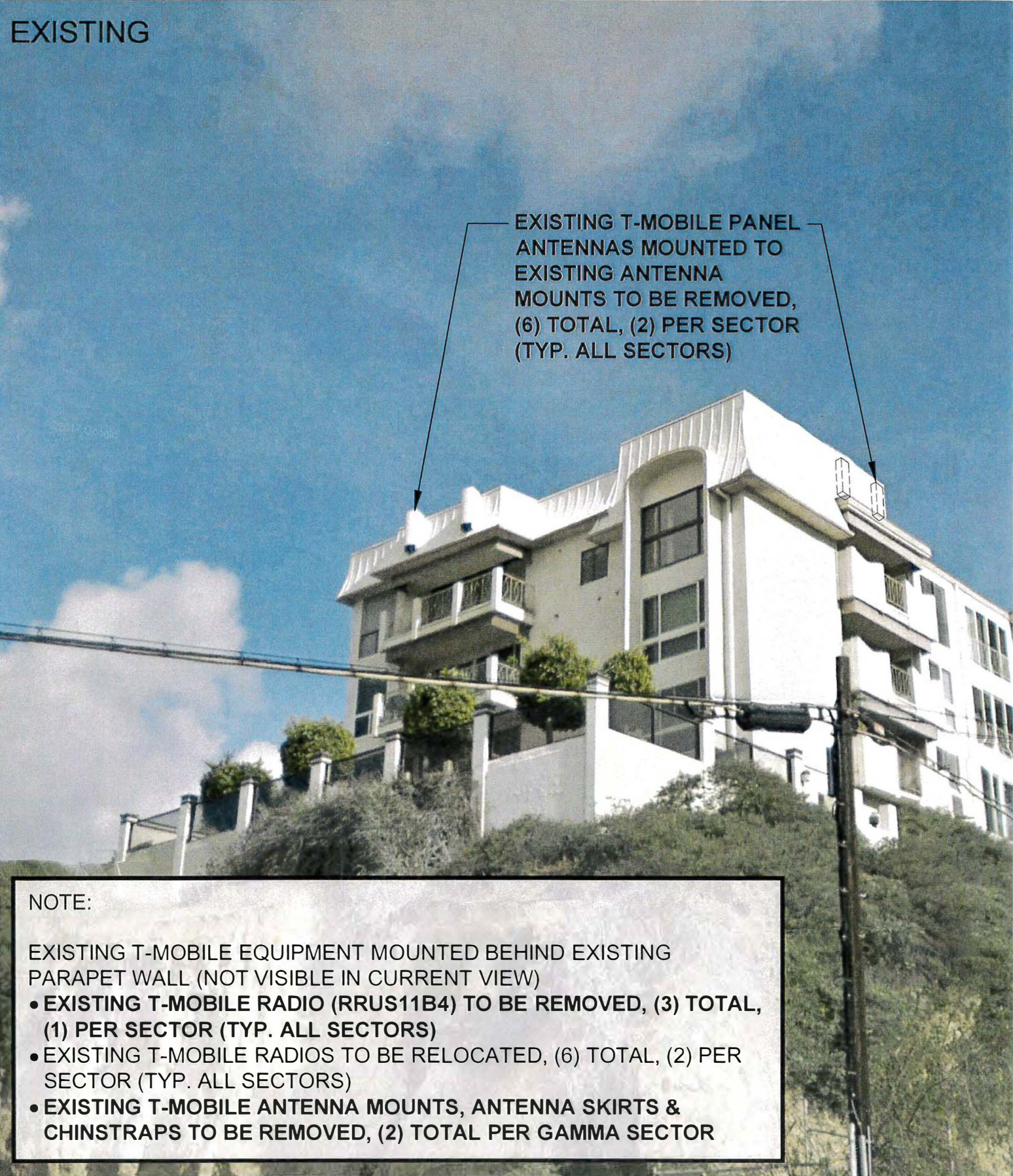
- EXISTING RELOCATED T-MOBILE RADIOS, (6) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
- PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PHOTOSIMULATION VIEW 2
LOOKING NORTHEAST

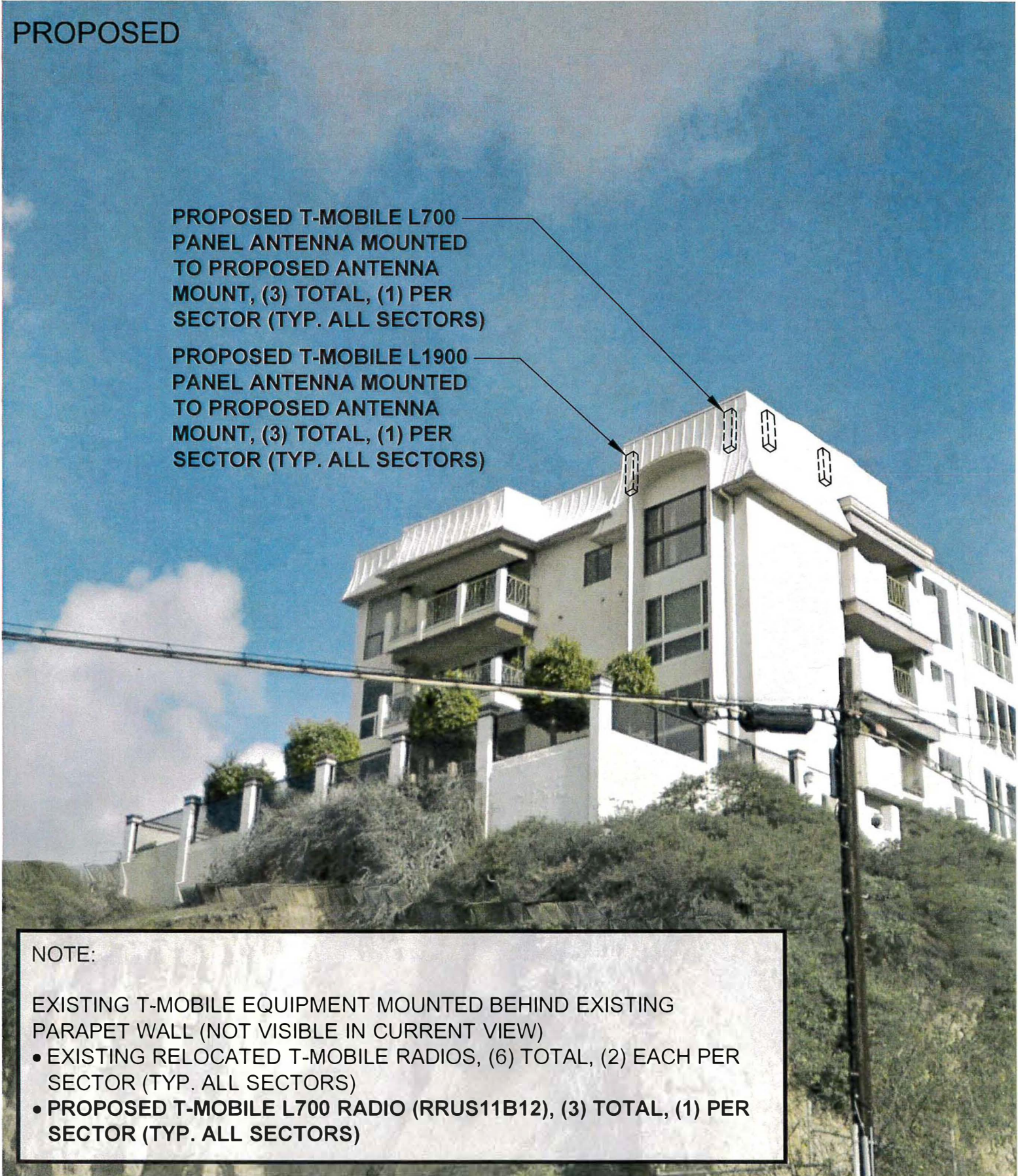


L700/L1900 PROJECT
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

EXISTING



PROPOSED

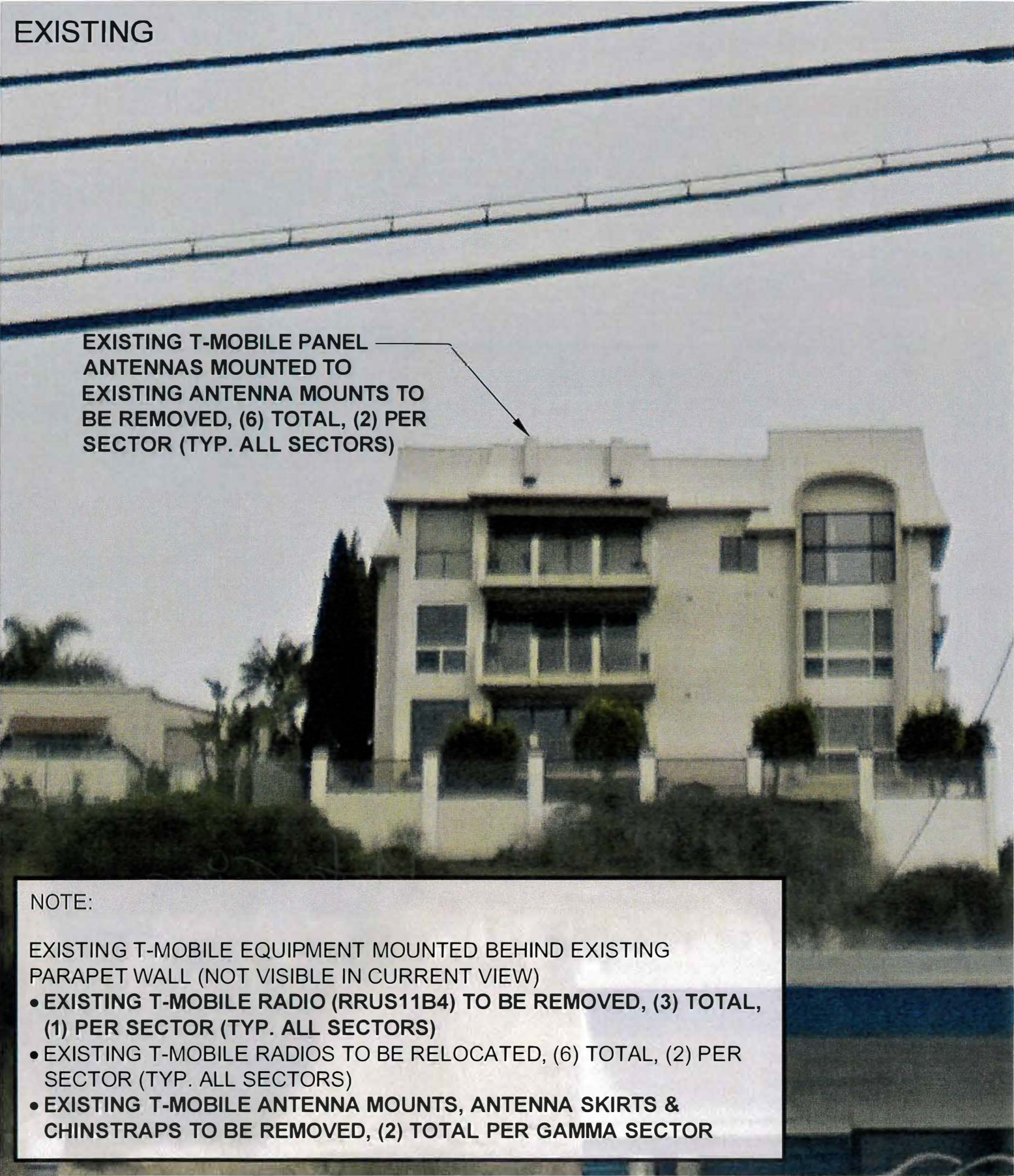


L700/L1900 PROJECT
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103



PHOTOSIMULATION VIEW 3
LOOKING NORTHEAST

EXISTING

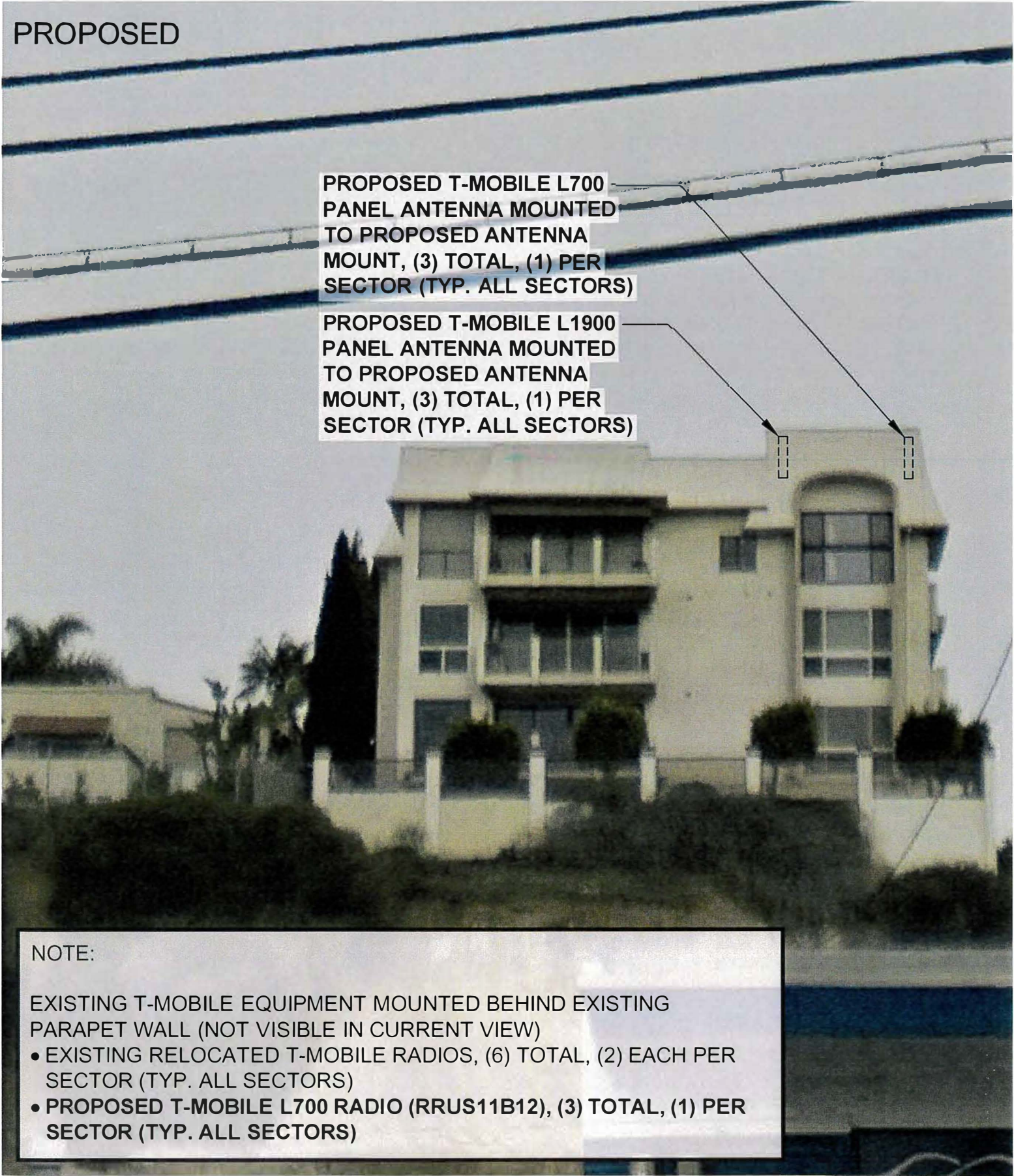


NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE RADIO (RRUS11B4) TO BE REMOVED, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE RADIOS TO BE RELOCATED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

PROPOSED



NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

- EXISTING RELOCATED T-MOBILE RADIOS, (6) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
- PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

VICINITY MAP

PHOTOSIMULATION VIEWPOINTS



CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SAC
WIRELESS
SAC AE DESIGN GROUP INC
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
OFFICE: (619) 738-3766



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PHOTOSIMULATION VIEW 1 LOOKING EAST

T-Mobile®

CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

EXISTING

EXISTING T-MOBILE PANEL
ANTENNAS MOUNTED TO
EXISTING ANTENNA MOUNTS TO
BE REMOVED, (6) TOTAL, (2) PER
SECTOR (TYP. ALL SECTORS)

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE RADIO (RRUS11B4) TO BE REMOVED, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE RADIOS TO BE RELOCATED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)
- EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

PROPOSED

PROPOSED T-MOBILE L1900
PANEL ANTENNA MOUNTED
TO PROPOSED ANTENNA
MOUNT, (3) TOTAL, (1) PER
SECTOR (TYP. ALL SECTORS)

PROPOSED T-MOBILE L700
PANEL ANTENNA MOUNTED
TO PROPOSED ANTENNA
MOUNT, (3) TOTAL, (1) PER
SECTOR (TYP. ALL SECTORS)

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)

- EXISTING RELOCATED T-MOBILE RADIOS, (6) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
- PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PHOTOSIMULATION VIEW 2
LOOKING NORTH



CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

EXISTING

EXISTING T-MOBILE PANEL ANTENNAS MOUNTED TO EXISTING ANTENNA MOUNTS TO BE REMOVED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)

NOTE:

- EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
- **EXISTING T-MOBILE RADIO (RRUS11B4) TO BE REMOVED, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)**
 - **EXISTING T-MOBILE RADIOS TO BE RELOCATED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)**
 - **EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR**

PROPOSED

PROPOSED T-MOBILE L1900 PANEL ANTENNA MOUNTED TO PROPOSED ANTENNA MOUNT, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PROPOSED T-MOBILE L700 PANEL ANTENNA MOUNTED TO PROPOSED ANTENNA MOUNT, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

NOTE:

- EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
- **EXISTING RELOCATED T-MOBILE RADIOS, (6) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)**
 - **PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)**

PHOTOSIMULATION VIEW 3
LOOKING NORTHEAST



CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

EXISTING

EXISTING T-MOBILE PANEL ANTENNAS MOUNTED TO EXISTING ANTENNA MOUNTS TO BE REMOVED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)

- NOTE:
- EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
 - **EXISTING T-MOBILE RADIO (RRUS11B4) TO BE REMOVED, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)**
 - **EXISTING T-MOBILE RADIOS TO BE RELOCATED, (6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)**
 - **EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR**

PROPOSED

PROPOSED T-MOBILE L700 PANEL ANTENNA MOUNTED TO PROPOSED ANTENNA MOUNT, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PROPOSED T-MOBILE L1900 PANEL ANTENNA MOUNTED TO PROPOSED ANTENNA MOUNT, (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

- NOTE:
- EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
 - **EXISTING RELOCATED T-MOBILE RADIOS, (6) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)**
 - **PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)**



SITE NUMBER: SD06013A
SITE NAME: SD013
ADDRESS: 3217 COLUMBIA STREET
SAN DIEGO, CA 92103
JURISDICTION: CITY OF SAN DIEGO
PROJECT: CUP-L700-L1900

SPECIAL INSPECTIONS - 2016 CBC CHAP. 17

ITEM	MATERIAL	REQUIRED	2016 CBC	STANDARDS	REFERENCE
CABINET ANCHORAGE	HILTI KWIK BOLT T2 STAINLESS STEEL	PERIODIC BASIS	1705.3 ITEM 4	ICC ESR-1917 SECTION 4.4 ACI 318 17.8.2.4, 17.8.2	6/A-9.1

FAA SELF CERTIFICATION

I, _____ DO HEREBY CERTIFY THAT THE STRUCTURE(S) OR MODIFICATION TO EXISTING STRUCTURE(S) SHOWN ON THESE PLANS DO NOT REQUIRE FEDERAL AVIATION ADMINISTRATION NOTIFICATION BECAUSE PER SECTION 77.15(A) OF TITLE 14 OF THE CODE OF FEDERAL REGULATIONS CFR PART 77, NOTIFICATION IS NOT REQUIRED.

PROJECT INFORMATION

SITE NAME: SD013
SITE NUMBER: SD06013A
SITE ADDRESS: 3217 COLUMBIA STREET
SAN DIEGO, CA 92103
JURISDICTION: CITY OF SAN DIEGO
COUNTY: COUNTY OF SAN DIEGO
LATITUDE: 32.73719832° N
LONGITUDE: 117.17467700° W
CONSTRUCTION TYPE: V-1HR
A.P.N.: 451-612-21-02
ZONING CLASSIFICATION: RM-2-5
PROPOSED USE: UNMANNED TELECOMMUNICATION FACILITY

PROPERTY OWNER: COLUMBIA HEIGHTS HOMEOWNERS ASSOCIATION
3217 COLUMBIA CT. UNIT #6
SAN DIEGO, CA 92103
CONTACT: WALTER DEPTULA
PHONE: (619) 298-8021

T-MOBILE PROJECT MANAGER: JOSEPH ROSE
(858) 334-6112
joseph.rose41@T-Mobile.com

APPLICANT: SAC WIRELESS ON BEHALF OF T-MOBILE
LAUREN RICHARDS
(480) 735-4868
lauren.richards@sacw.com

PROJECT TEAM

ARCHITECT:
SAC WIRELESS
NESTOR POPOWYCH, A.I.A.
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
CONTACT: DENNIS YOSHII
PHONE: (619) 736-3766 X105
EMAIL: dennis.yoshii@sacw.com

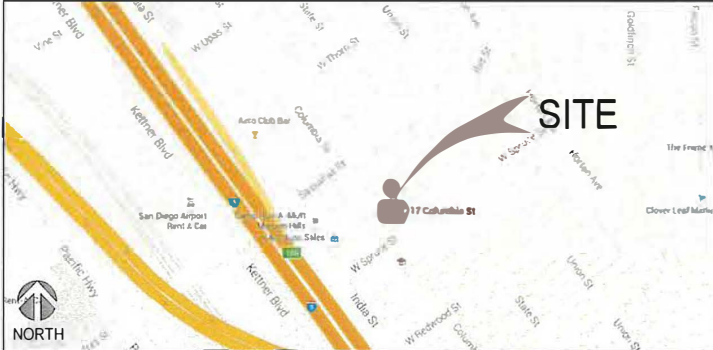
ENGINEER:
SAC WIRELESS
EMILIO MARIO VALERIO-HERNANDEZ, P.E.
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
PHONE: (619) 736-3766 X114
EMAIL: emilio.hernandez@sacw.com

PLANNING/ZONING CONSULTANT:
SAC WIRELESS
LAUREN RICHARDS
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
PHONE: (480) 735-4868
EMAIL: lauren.richards@sacw.com

CONSTRUCTION MANAGER:
T-MOBILE USA
KIRT BABCOCK
10509 VISTA SORRENTO PKWY
STE 206
SAN DIEGO, CA 92121
PHONE: (858) 334-6139
EMAIL: kirt.babcock@T-Mobile.com

RF ENGINEER:
T-MOBILE USA
MUSTAFA AJMAL
10509 VISTA SORRENTO PKWY
STE 206
SAN DIEGO, CA 92121
PHONE: -
EMAIL: mustafa.ajmal@T-Mobile.com

VICINITY MAP



SCOPE OF WORK

- T-MOBILE PROPOSES:
- REMOVE (6) EXISTING PANEL ANTENNAS
 - REMOVE (2) EXISTING EQUIPMENT CABINETS & SCREENS
 - REMOVE (3) EXISTING RRUS11B4 RADIOS
 - REMOVE (3) EXISTING TMA's
 - RELOCATE (6) EXISTING RADIOS
 - INSTALL (6) NEW PANEL ANTENNAS
 - INSTALL (3) NEW RADIOS (RRUS11 B12)
 - INSTALL (6) NEW ANTENNA MOUNTING FRAMES
 - INSTALL (6) NEW ANTENNA MOUNTING PIPES
 - INSTALL (6) EXHAUST FANS
 - INSTALL (6) DORMER VENTS
 - INSTALL (2) THERMOSTATS, (1) PER ANTENNA ENCLOSURE
 - INSTALL (1) 19" RACK
 - INSTALL (1) PBC 6200 BATTERY CABINET
 - INSTALL UNITS IN RACK: (1)XMU, (2) DUW30, (1)BB5216, (1)DUG20, (2)RBS601, (6) RUS01 B4
 - (3) 6x12 HCS 4 AWG 80M
 - (6) DC 6 AWG CABLES
 - (12) INDIVIDUAL FIBER CABLES
 - PROJECT VALUATION: \$100,000

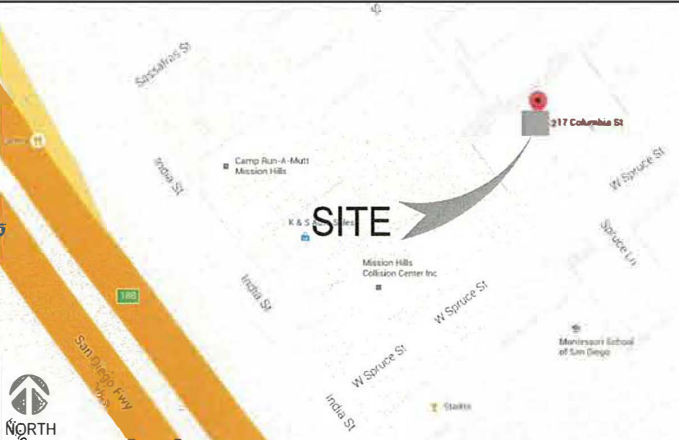
DRIVING DIRECTIONS

- DIRECTIONS FROM: 10509 VISTA SORRENTO PKWY, SAN DIEGO CA 92121
- HEAD SOUTHEAST ON VISTA SORRENTO PKWY
 - USE THE RIGHT 2 LANES TO TURN RIGHT ONTO SORRENTO VALLEY RD
 - USE THE RIGHT 3 LANES TO TURN SLIGHTLY RIGHT ONTO THE INTERSTATE 805 S RAMP
 - MERGE ONTO I-805 S
 - USE THE RIGHT LANE TO TAKE EXIT 23
 - FOR CA-52
 - MERGE ONTO CA-52
 - USE THE RIGHT 2 LANES TO TAKE EXIT 1A TO MERGE ONTO I-5 S
 - USE THE 2ND FROM THE RIGHT LANE TO TAKE THE EXIT TOWARD SASSAFRAS ST/ SAN DIEGO AIRPORT
 - USE THE LEFT LANE TO MERGE ONTO KETTNER BOULEVARD
 - TURN LEFT ONTO SASSAFRAS STREET
 - TURN RIGHT ONTO COLUMBIA STREET
 - DESTINATION WILL BE ON THE LEFT



TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CALIFORNIA (SOUTH), CALL DIG ALERT
TOLL FREE: 1-800-227-2600 OR
www.digalert.org
CALIFORNIA STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

LOCATION MAP



LEGAL DESCRIPTION

LOT 1 OF COLUMBIA HEIGHTS IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 6713, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY AUGUST 21, 1970.

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SPECIAL NOTES

- ALL WORK SHALL BE INSTALLED IN CONFORMANCE WITH CURRENT T-MOBILE CONSTRUCTION INSTALLATION GUIDE.
- EXISTING CONDITIONS WILL BE VERIFIED IN FIELD. IF SIGNIFICANT DEVIATIONS OR DETERIORATION ARE ENCOUNTERED AT THE TIME OF CONSTRUCTION, A REPAIR PERMIT WILL BE OBTAINED & CONTRACTOR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD IMMEDIATELY.
- CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
- THESE DRAWINGS ARE FULL SIZE & SCALEABLE ON 22"x34" SHEET SIZE & ARE NOT REDUCED IN SIZE.
- STATEMENT THAT COMPLIANCE WITH THE ENERGY CODE IS NOT REQUIRED. -SCOPE OF WORK DOES NOT INVOLVE MODIFICATIONS TO EXTERIOR ENVELOPE OF BUILDING, HVAC SYSTEMS OR ELECTRICAL LIGHTING.

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CODE COMPLIANCE

- 2016 CALIFORNIA ENERGY CODE
- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA MECHANICAL CODE
- 2016 CALIFORNIA PLUMBING CODE

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

T-MOBILE PROJECT MANAGER: _____ DATE: _____
T-MOBILE CONSTRUCTION MANAGER: _____ DATE: _____
T-MOBILE RF ENGINEER: _____ DATE: _____
T-MOBILE FOPS: _____ DATE: _____
SITE ACQUISITION: _____ DATE: _____
PROPERTY OWNER: _____ DATE: _____
ZONING: _____ DATE: _____



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REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
Δ	01/16/18	CITY COMMENTS	JL
Δ	04/16/18	CITY COMMENTS	JL
Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL



CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1.0

GENERAL NOTES:

1. THIS FACILITY IS EXEMPT FROM ACCESSIBILITY REQUIREMENTS PER CBC SECTION 11B-203.5. THIS FACILITY IS NON-OCCUPIABLE SPACE AND ENTERED ONLY BY SERVICE PERSONNEL.
2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
3. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND CONSTRUCTION SPECIFICATIONS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THESE DRAWNGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
4. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PREVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFORMING THAT THE WORK MAY BE ACCOMPLISH AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCES, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWNGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:

A. TRANSMITTER

B. RF FILTER

C. MFTS RACKS

D. AUXILIARY EQUIPMENT IN MFTS RACK

E. PUMP ASSEMBLY

F. HEAT EXCHANGE

G. HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)

H. UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS

I. UHF COAX AND HANGERS

J. 480-208 & 208-400 ELECTRICAL TRANSFORMER

K. AUTOMATIC TRANSFER SWITCH AND GENERATOR

L. EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY W/HVAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)

M. INTEGRATED LOAD CENTER

N. ANTENNAS, RADIOS & CABLES
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE WORK.
7. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENT.
9. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE BEST CONSTRUCTION SKILLS AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
11. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
13. INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
14. MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
15. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT.
16. REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
17. SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
18. KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOT, DUST, OR SMUDGES OF ANY NATURE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
19. MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
20. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACT.
21. ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
22. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE WITH THE CALIFORNIA BUILDING STANDARDS CODE, TITLE 19 AND 24, CALIFORNIA CODE REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK.

SITE WORK NOTES:

1. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
2. SIZE, LOCATION, AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILT DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT OR ENGINEER OF RECORD AT COMPLETION OF PROJECT.
3. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT OR ENGINEER OF RECORD AND OWNER ASSUME NO

RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORK SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.

4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTAL AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT OR ENGINEER OF RECORD. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.

5. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPER, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.

6. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

1. ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
2. CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
3. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
4. FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
5. ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
6. PREPARE PREVIOUSLY PAINTED SURFACE BY LIGHT SANDING WITH 400 GRIT SANDPAPER AND NON-HYDROCARBON WASH. PREPARE GALVANIZED SURFACES BY ACID ETCH OR SOLVENT CLEANING IN ACCORDANCE WITH SSPC-SP1.
7. FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
8. APPLY PAINT BY AIRLESS SPRAY, SANDING LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL COAT ON FLAT SURFACES. APPLY MATERIAL TO ACHIEVE A COATING NO THINNER THAN THE DRY FILM THICKNESS INDICATED.
9. APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
10. CONTRACTOR SHALL CORRECT RUNS, SAGS, MISSES AND OTHER DEFECTS INCLUDING INADEQUATE COVERAGE AS DIRECTED BY THE T-MOBILE CONSTRUCTION MANAGER. REPAINT AS NECESSARY TO ACHIEVE SURFACES WHICH ARE SMOOTH, EVENLY COATED WITH UNIFORM SHEEN AND FREE FROM BLEMISHES.

B. COATING SYSTEM SPECIFICATIONS

1. DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
2. 100% ACRYLIC, LATEX COATING EQUIVALENT TO A-100 (SERIES A-82) BY SHERWIN WILLIAMS CO. 1 DFT PER COAT APPLIED IN TWO COATS OVER SPECIFIED PRIMER. PAINT & PRIMER

ANTENNAS

PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22

BTS CABINET

PRIMER - KEM AQUA E61-W525
TOPCOAT - COROTHANE II B65W200/B60V22
COAXIAL JUMPER CABLES

PRIMER - AS REQUIRED FOR ADHESION. APPLY ONE COAT OF KEM AQUA WATER REDUCIBLE
PRIMER E61W25 REDUCED 25%
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

RAW STEEL

PRIMER - KEM BOND HS B50WZ4, DMT ACRYLIC PRIMER
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

GALVANIZED METAL

ACID ETCH WITH COMMERCIAL ETCH OR VINEGAR PRIMER COAT AND FINISH COAT
(GALVITE HIGH SOLIDS OR DTM PRIMER/FINISH)

STAINLESS STEEL

PRIMER - OTM WASH PRIMER, B71Y1
TOPCOATS - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

PRE-PRIMED STEEL

TOUCH UP ANY RUST OR UN-PRIMED STEEL WITH KEM BOND HS. SS0WZ4

ALUMINUM & COPPER

PRIMER - DTM WASH PRIMER, B71Y1
TOPCOAT - 2 COATS COROTHANE II POLYURETHANE B65W200/B60V2

CONCRETE MASONRY

PRIMER - PRO MAR EXTERIOR BLOCK FILLER
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

CONCRETE STUCCO (EXISTING)

2 COATS A-100 LATEX HOUSE & TRIM, SHEEN TO MATCH

STUCCO

PRIMER - PRO MAR MASONRY CONDITIONED B-46 W21000
TOPCOAT - SUPERPAINT A-80 SERIES A-89 SATIN A-84 GLOSS

WOOD

PRIMER - A-100 EXTERIOR ALKYD W009D PRIMER Y-24WZ0
TOPCOAT - 2 COATS A-100 LATEX HOUSE & TRIM SHEEN TO MATCH ADJACENT SURFACES

FIELD CUTS/ DAMAGE (PRIOR TO PRIME & PAINT)

FIRST & SECOND COAT - CUPRINOL CLEAR WOOD PRESERVATIVE #158-0356 ALL PENETRATIONS INTO FINISHED GLU-LAMS SHALL BE CAULKED WITH "SIKAFLEX" SEALANT
STEEL TOUCH UP
STEEL THAT HAS BEEN WELDED, CUT OR SCRATCHED IN THE FIELD SHALL BE TOUCHED UP WITH COLD GALVANIZED PAINT.

GROUNDING NOTES:

1. COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
2. EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS.
3. ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
4. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
6. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
7. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR TO THE TOWER.
8. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), CALIFORNIA BUILDING STANDARDS AND MANUFACTURER.

BATTERY NOTES:

1. ANY CHANGES OR ADDITIONS TO BACK-UP BATTERIES SHALL NOT CONTAIN ELECTROLYTE QUANTITIES IN EXCESS OF 50 GALLONS AND NEED NOT COMPLY WITH THE REQUIREMENTS OF 2016 CFC SECTION 608 AS INDICATED IN SECTION 608.1

FIRE DEPARTMENT NOTES:

1. IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
2. A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
3. A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
4. REQUIRED SIGNAGE SHALL INCLUDE LETTERING HEIGHT OF AT LEAST ONE INCH, IN A COLOR THAT CONTRASTS TO THE SIGN BACKGROUND, AND SHALL BE PROMINENTLY DISPLAYED.
5. AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
6. BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
7. CONTRACTOR SHALL VERIFY IN FIELD THE EXISTENCE OR INSTALLATION OF A FIRE EXTINGUISHER WITH A MINIMUM RATING OF 2A-10BC, WITH A CHARGE STATUS ACCEPTABLE TO THE LOCAL FIRE AUTHORITY HAVING JURISDICTION.
8. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH THE UNIFORM FIRE CODE STANDARD 10-1 AND PLACEMENT IS SUBJECT TO APPROVAL OF THE FIRE INSPECTOR.
9. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES, AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH UNIFORM FIRE CODE REGULATIONS.
10. EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
11. ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
12. REQUIRED SIGNAGE SHALL INCLUDE. BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE IN T-3.0).
13. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
14. DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CFC 807.3]

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REVISIONS

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0	09/11/17	90% CD's	JP
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CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2.0

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL EXISTING CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE CEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION.
4. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
8. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC.... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
9. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION.
10. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
11. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
12. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY T-MOBILE AND CEC ARTICLE 250.
13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
17. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, AND DEVICES FOR ALL OUTLETS AS INDICATED.
19. DITCHING AND BACKFILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION.
20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IECE.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
22. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
24. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
25. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
26. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2-1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS- 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2FT RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITE ZING' OR 'GOLD GALV'. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY CEC.
28. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
29. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
30. SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
31. TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
32. ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
33. CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOM".

STRUCTURAL SPECIFICATIONS:

- A. GENERAL
1. GENERAL DETAILS AND NOTES ON THESE SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE. CONSTRUCTION DETAILS NOT FULLY SHOWN OR NOTED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.
2. SHORING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING AND SHORING TO INSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. THIS INCLUDES UNDERPINNING EXISTING FOOTINGS WHERE APPLICABLE.
3. SAFETY: THESE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE, INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- B. STEEL
1. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS SHALL CONFORM TO ASTM A-36 AND BE FABRICATED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE AISC.
2. ALL BOLTS SHALL CONFORM TO ASTM A-307 UNLESS OTHERWISE NOTED ON PLANS.
3. STEEL PIPE COLUMNS SHALL BE GRADE "B" CONFORMING TO ASTM A53.
4. STEEL TUBING SHALL BE GRADE "B" CONFORMING TO ASTM A500.
5. ALL WELDING SHOULD BE DONE IN CERTIFIED WELDER'S SHOP UNLESS NOTED OTHERWISE.
6. ALL STRUCTURAL STEEL SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE DESIGN ENGINEER AND THE CITY INSPECTOR.
7. ALL HIGH STRENGTH BOLTS SHALL HAVE MILL CERTIFICATION. MILL CERTIFICATION SHALL BE KEPT ON THE JOB SITE FOR EXAMINATION BY THE INSPECTOR.
- C. CONCRETE
1. STRENGTH: CONCRETE FOR THE PROJECT SHALL HAVE THE FOLLOWING ULTIMATE COMPRESSIVE STRENGTH AT AGE OF 28 DAYS:
- | LOCATION | STRENGTH | WT. | SLUMP | ADMIXTURE |
|------------------|----------|---------|-------|-----------|
| A SLAB & FOOTING | 2500 PSI | 150 PCF | 4" | NONE |
2. REBAR GRADES: REINFORCING STEEL SHALL BE CLEAN PREFORMED BARS CONFORMING TO ASTM A615 AS FOLLOWS:
- #4 & SMALLER BARS.....GRADE 40
- #5 & LARGER BARS.....GRADE 60
3. CEMENT: FOUNDATIONS & SLABS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150.
- PIER/CAISSON FOOTINGS: TYPE V, LOW ALKALI, CONFORMING TO ASTM C-150.
4. AGGREGATE: USED IN THE CONCRETE SHALL CONFORM TO ASTM C-33. USE ONLY AGGREGATES KNOWN NOT TO CAUSE EXCESSIVE SHRINKAGE. THE MAXIMUM SIZE AGGREGATE IN CONCRETE WORK SHALL BE THE FOLLOWING:
- A. FOUNDATIONS & SLABS 9" OR LESS: 3/4" GRAVEL
- B. PIER/CAISSON FOOTING: 1" GRAVEL
6. WATER: SHALL BE CLEAN AND FREE FROM DELETERIOUS AMOUNT OF ACIDS, ALKALIS, ORGANIC MATERIALS AND SHALL BE SUITABLE FOR HUMAN CONSUMPTION.
7. MIXING: PREPARATION OF CONCRETE SHALL CONFORM TO ASTM C-94. NO MORE THAN 90 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY A TESTING AGENCY.
8. SPLICES OF REINFORCING STEEL SHALL BE LAPPED A MINIMUM OF 40 DIAMETERS AND SECURELY WIRED TOGETHER. SPLICES OF ADJACENT REINFORCING BARS SHALL BE STAGGERED WHEREVER POSSIBLE.
- D. TIMBER
1. ALL LUMBER SHALL BE NO. 2 GRADE DOUGLAS FIR, S4S. UNLESS NOTED OTHERWISE
2. ROOF PLYWOOD SHALL MATCH EXISTING PLYWOOD SHEATHING WITH A PANEL SPAN RATING 32/16. EDGE NAIL WITH 8d AT 6" O.C. UNLESS NOTED OTHERWISE ON PLANS. NAIL WITH 8d AT 12" O.C. AT INTERMEDIATE SUPPORTS.
3. THE MAXIMUM MOISTURE CONTENT OF ALL LUMBER SHALL NOT EXCEED 19% AT THE TIME OF INSTALLATION.
4. MINIMUM NAILING SHALL COMPLY WITH TABLE 2304.10.1 OF CALIFORNIA BUILDING CODE. ALL NAILS SHALL BE COMMON WIRE NAILS.
5. ALL BOLTS SHALL HAVE STANDARD CUT WASHERS UNDER HEADS AND/OR NUTS WHERE IN CONTACT WITH WOOD.
6. LAG BOLTS SHALL BE SCREWED INTO PLACE, NOT DRIVEN. LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED HOLES WITH A DIAMETER EQUAL TO 75% DIAMETER OF BOLTS.
7. CONNECTORS: ALL SHEET METAL FRAMING CONNECTORS SHOWN IN THE PLANS SHALL BE SIMPSON STRONG-TIE CONNECTORS. SUBSTITUTIONS MAY BE MADE WHEN APPROVED BY THE STRUCTURAL ENGINEER.
8. ALL LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY OR CONCRETE SHALL BE WOLMANIZED PRESSURE TREATED LUMBER OR A NATURALLY DECAY RESISTANT LUMBER SUCH AS REDWOOD OR CEDAR.

STRUCTURAL CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301-16.
- ACI 318-14 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH f'c=2500PSI AT 28 DAYS UNLESS NOTED OTHERWISE.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
- | | |
|--|-----------|
| CONCRETE CASTS AGAINST EARTH..... | 3 IN. |
| CONCRETE EXPOSED TO EARTH OR WEATHER: | |
| #6 AND LARGER..... | 2 IN. |
| #5 AND SMALLER & WWF..... | 1-1/2 IN. |
| CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: | |
| SLAB AND WALL | 3/4 IN. |

BEAMS AND COLUMNS..... 1-1/2 IN.

5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURERS RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR WHEN DRILLING HOLES IN CONCRETE SLABS.
7. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER ICC ER# & MANUFACTURERS WRITTEN RECOMMENDED PROCEDURES.



REVISIONS			
REV.	DATE	DESCRIPTION	USERS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
△	01/16/18	CITY COMMENTS	JL
△	04/16/18	CITY COMMENTS	JL
△	09/19/18	EQUIPMENT LOCATION CHANGE	JL



CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

T-2.1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.


NOTICE



Radio frequency fields beyond this point may exceed the FCC general public exposure limit. Obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

AVISO



Los campos de frecuencias de radio a partir de este punto podrán exceder el límite del cual el FCC permite que el público en general podrá estar expuesto.

Obedezca todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

CAUTION



Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure. For your safety, obey all posted signs and site guidelines for working in radio frequency environments.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

ATENCION



A partir de este lugar: Los campos de frecuencias de radio en este sitio podrán exceder el límite del cual las reglas del FCC permiten que estén expuestos los humanos.

Por su seguridad, obedezca todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

WARNING



Beyond this point: Radio frequency fields at this site may exceed FCC rules for human exposure. Failure to obey all posted signs and site guidelines for working in radio frequency environments could result in serious injury.

In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

ADVERTENCIA




A partir de este lugar: Los campos de frecuencias de radio en este sitio exceden el límite del cual las reglas del FCC permiten que estén expuestos los humanos.

El no obedecer todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio, podría resultar en graves lesiones.

De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

ALERTING SIGNS

NOTICE



GUIDELINES FOR WORKING IN RADIOFREQUENCY ENVIRONMENTS

- All personnel should have electromagnetic energy (EME) awareness training.
- All personnel entering this site must be authorized.
- Obey all posted signs.
- Assume all antennas are active.
- Before working on antennas, notify owners and disable appropriate transmitter.
- Maintain minimum 3 feet clearance from all antennas.
- Do not stop in front of antennas.
- Use personal RF monitors while working near antennas.
- Never operate transmitters without shields during normal operation.
- Do not operate base station antennas in equipment room.

DANGER



HAZARDOUS MATERIAL STORAGE AREA

WARNING

THIS FACILITY CONTAINS CORROSIVE LIQUID TOXIC LIQUID CLASS 1 WATER REACTIVE LIQUID

IN CASE OF EMERGENCY CALL

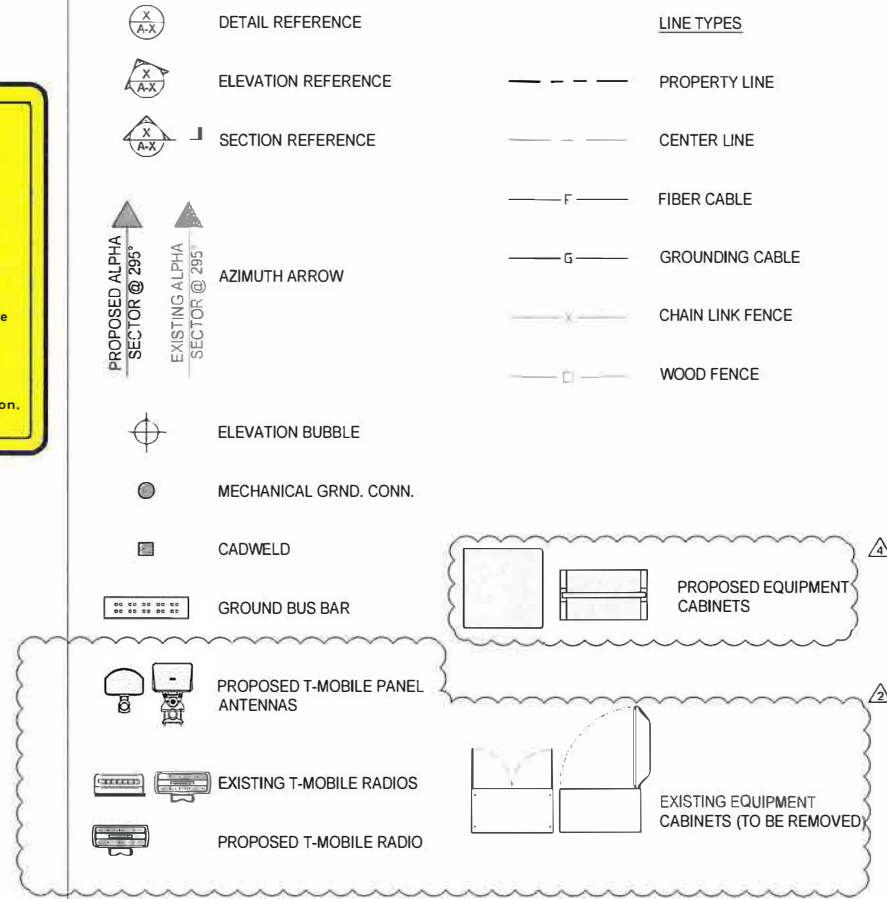
1-888-662-4662

SITE NUMBER: SD06013A

SITE NAME: SD013









INFORMATION SIGN












LEGEND

- CONSTRUCTION DRAWINGS: SD06013A_A and E_CDs_SD06013A - L700 Frequency Deployment (547377)(SD06013A_SD013_T-Mo_100CD's_S_S_03-21-2016)
- SCOPE OF WORK: RFDS_SD06013A_Capacity-L1900_R1.2_2018-07-27_Signed
- SITE SURVEY: 02/02/2017
- BATTERY INFORMATION: SD06013A Site Survey Survey_CSI

SCALE
N.T.S. 3

DETAIL REFERENCE	LINE TYPES
	PROPERTY LINE
	CENTER LINE
	FIBER CABLE
	GROUNDING CABLE
	CHAIN LINK FENCE
	WOOD FENCE

	ELEVATION BUBBLE
	MECHANICAL GRND. CONN.
	CADWELD
	GROUND BUS BAR

	PROPOSED T-MOBILE PANEL ANTENNAS
	EXISTING T-MOBILE RADIOS
	PROPOSED T-MOBILE RADIO
	PROPOSED EQUIPMENT CABINETS
	EXISTING EQUIPMENT CABINETS (TO BE REMOVED)

ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
A.B.	ANCHOR BOLT	GRND.	GROUND
ABV.	ABOVE	HDR.	HEADER
AC	AIR CONDITIONING	HGR.	HEIGHT
ACU	AIR CONDITIONING UNIT	ICGB.	ISOLATED COPPER GROUND BUS
ACCA	ANTENNA CABLE COVER ASSY.	IGR	INTERIOR GROUND RING
ADD'L	ADDITIONAL	IN. (")	INCH(ES)
A.F.F.	ABOVE FINISHED FLOOR	INT.	INTERIOR
A.F.G.	ABOVE FINISHED GRADE	LB. (#)	POUND(S)
A.G.L.	ABOVE GRADE LEVEL	L.B.	LAG BOLTS
ALUM.	ALUMINUM	L.F.	LINEAR FEET (FOOT)
ALT.	ALTERNATE	L.	LONG(ITUINAL)
ANT.	ANTENNA	MGB	MASTER GROUND BUS
APPRX.	APPROXIMATE(LY)	MAS.	MASONRY
APX	APEX	MAX.	MAXIMUM
ARCH.	ARCHITECT(URAL)	M.B.	MACHINE BOLT
ASSY.	ASSEMBLY	MECH.	MECHANICAL
AWG.	AMERICAN WIRE GAUGE	MFR.	MANUFACTURER
BCN	BEACON	MIN.	MINIMUM
BD.	BOLLARD	MISC.	MISCELLANEOUS
BDK	BRASS DISK	MTL.	METAL
BLDG.	BUILDING	MW	MICROWAVE
BLK.	BLOCK	(N)	NEW
BLKG.	BLOCKING	NO. (#)	NUMBER
BM	BEAM / BENCHMARK	N.T.S.	NOT TO SCALE
B.N.	BOUNDARY NAILING	O.C.	ON CENTER
BTCW.	BARE TINNED COPPER WIRE	OH.	OVERHEAD
B.O.F.	BOTTOM OF FOOTING	OHP	OVERHEAD POWER LINE
BTM.	BOTTOM	OPNG.	OPENING
BRC.	BRACE	P/C	PRECAST CONCRETE
BTS	BASE TRANSCEIVER STATION	PLY.	PLYWOOD
B.W.F.	BARBED WIRE FENCE	PPC	POWER PROTECTION CABINET
BU	BACK-UP CABINET	P.S.F.	POUNDS PER SQUARE FOOT
CAB.	CABINET	P.S.I.	POUNDS PER SQUARE INCH
CANT.	CANTILEVER(ED)	P.T.	PRESSURE TREATED
C.I.P.	CAST IN PLACE	PWR.	POWER (CABINET)
C.L.F.	CHAIN LINK FENCE	QTY.	QUANTITY
CLG.	CEILING	R.	RADIUS
CLR.	CLEAR	RAD. CTR.	RADIATION CENTER
COL.	COLUMN	RBS	RADIO BASE STATION
CONC.	CONCRETE	REF.	REFERENCE
CONN.	CONNECTION(OR)	REINF.	REINFORCEMENT(ING)
CONST.	CONSTRUCTION	REQD.	REQUIRED
CONT.	CONTINUOUS	RF	RADIO FREQUENCY
CPD	CONCRETE PAD	RGS	RIGID GALVANIZED STEEL
C.T.	CABLE TRAY	RRU	REMOTE RADIO UNIT
d	PENNY (NAILS)	RRH	REMOTE RADIO HEAD
DBL	DOUBLE	SCH.	SCHEDULE
DEF.	DEFINITION	SHT.	SHEET
DEPT.	DEPARTMENT	SIM.	SIMILAR
D.F.	DOUGLAS FIR	SPEC.	SPECIFICATION(S)
DIA. (Ø)	DIAMETER	SP	STEEL PLATE
DIAG.	DIAGONAL	SQ.	SQUARE
DIM.	DIMENSION	S.S.	STAINLESS STEEL
DR.	DOOR	STD.	STANDARD
DWG.	DRAWING(S)	STL.	STEEL
DWL.	DOWEL(S)	STRUC.	STRUCTURAL
EA.	EACH	T.B.D.	TO BE DETERMINED
EBX	ELECTRICAL BOX	T.B.R.	TO BE RESOLVED
EG	EQUIPMENT GROUND	TEMP.	TEMPORARY
EGR	EQUIPMENT GROUND RING	THK.	THICK(NESS)
EL.	ELEVATION	TMA	TOWER MOUNTED AMPLIFIER
ELEC.	ELECTRICAL	T.N.	TOE NAIL
ELEV.	ELEVATOR	T.O.A.	TOP OF ANTENNA
EM	ELECTRICAL METER	T.O.C.	TOP OF CURB
E.M.T.	ELECTRICAL METALLIC TUBING	T.O.F	TOP OF FOUNDATION
E.O.P.	EDGE OF PAVEMENT	T.O.P.	TOP OF PLATE (PARAPET)
EQ. (=)	EQUAL	T.O.S.	TOP OF STEEL
EVLT	ELECTRICAL VAULT	T.O.W.	TOP OF WALL
ENG.	EXPANSION	TWR.	TOWER
EXST.	EXISTING	TYP.	TYPICAL
EXT.	EXTERIOR	U.G.	UNDER GROUND
FAB.	FABRICATION(OR)	U.L.	UTILITY POLE
F.N.	FINISH FLOOR	U.N.O.	UNLESS NOTED OTHERWISE
F.O.	FINISH GRADE	V.I.N.	VERIFY IN FIELD
FIN.	FINISH(ED)	W.	WIDE(WIDTH)
FLR.	FLOOR	WD.	WOOD
FDN.	FOUNDATION	W.P.	WEATHERPROOF
F..C.	FACE OF CONCRETE	WT.	WEIGHT
F..M.	FACE OF MASONRY		
F..S.	FACE OF STUD		
F..W.	FACE OF WALL		
F.S.	FINISHED SURFACE		
FT. (')	FOOT(FEET)		
FTG.	FOOTING		
GA.	GAUGE		
GI.	GALVANIZE(D)		
G.F.I.	GROUND FAULT INTERRUPTER		
GEN	GENERATOR		
GLB.	GLOBAL POSITIONING SYSTEM		
GRC.	GROWTH RADIO CABINET		

T-Mobile

10599 VISTA SORRENTO PKWY #205
SAN DIEGO, CA 92121
T-MOBILE.COM

SAC

WIRELESS

SAC AE DESIGN GROUP, INC.

5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacdv.com

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
Δ	01/16/18	CITY COMMENTS	JL
Δ	04/16/18	CITY COMMENTS	JL
Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL

LICENSED ARCHITECT

DEC 19 2018

NESTOR T. POPOWYCH

C-27496

RENEWAL 4-30-19

STATE OF CALIFORNIA

"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

CUP-L700-L1900

SD013

SD06013A

3217 COLUMBIA STREET

SAN DIEGO, CA 92103

SHEET TITLE

REFERENCED DOCUMENTS, ABBREVIATIONS, LEGEND & SIGNAGE

SHEET NUMBER

T-3.0



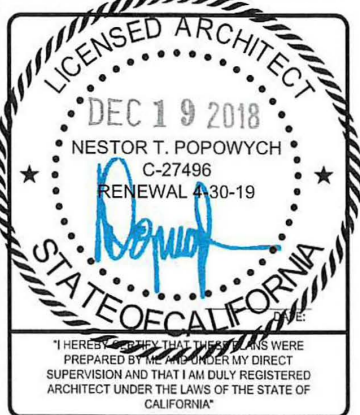
10508 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92171
T-MOBILE.COM



SAC AE DESIGN GROUP, INC.
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACW.COM

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
△	01/16/18	CI TY COMMENTS	JL
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CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

PHOTO SIMULATIONS &
LETTER OF AUTHORIZATION

SHEET NUMBER

T-4.0



LETTER OF AUTHORIZATION

TO: City of San Diego
Development Services Department
1222 First Avenue, MS 301
San Diego, CA 92101-410

RE: Application for Zoning and Permitting

The undersigned authorized representative of North Richmond Properties, Inc., a California Corporation, owner of the Property ("Owner") described below does hereby appoint SAC, an authorized representative of T-Mobile West LLC, a Delaware limited liability company, as agent for the purpose of consummating this application necessary to ensure its ability to use and/or construct improvements to the Property leased or licensed for the purpose of construction a wireless communications facility. I understand that the application may be denied, modified or approved with conditions and that those conditions or modifications must be complied with prior to issuance of building permits. Owner hereby authorizes the employees of the City of San Diego to enter upon the Property during normal business hours as necessary to inspect the Property for the purpose of processing this application.

Property located at: 1730 Thor St., San Diego, CA 92113 ("Property")

Parcel Number: 540-570-20-00

Owner's Name: North Richmond Properties, Inc. - a California Corporation

Signature (and title, if applicable) of Property Owner:

Name: *Nestor T. Popowych*

Title: President

Date Executed: 4/29/2016

Site development, architecture & engineering construction
540 West Madison Street, 16th Floor, Chicago, IL 60661 312.895.4977 312.895.4971

7035 0640 0000 0700 1960

416 Contracts



LETTER OF AUTHORIZATION

TO: City of San Diego
Development Services Department
1222 First Avenue, MS 301
San Diego, CA 92101-4101

RE: Application for Zoning and Permitting

The undersigned authorized representative of Colombia Heights Homeowners Association, owner of the Property ("Owner") described below does hereby appoint SAC, an authorized representative of T-Mobile West LLC, a Delaware limited liability company, as agent for the purpose of consummating any application necessary to ensure its ability to use and/or construct improvements to the Property leased or licensed for the purpose of construction a wireless communications facility. I understand that the application may be denied, modified or approved with conditions and that those conditions or modifications must be complied with prior to issuance of building permits. Owner hereby authorizes the employees of City of San Diego to enter upon the Property during normal business hours as necessary to inspect the Property for the purpose of processing this application.

Property located at: 3217 Columbia Street, San Diego, CA 92103 ("Property")

Parcel Number: 451-612-21-01 through 451-612-21-15

Owner's Name: Colombia Heights Homeowners Association

Signature (and title, if applicable) of Property Owner:

Name: *Emily Len*

Title: Columbia Heights Resident

Date Executed: 4/12/16

Site Id: SD06013A

Site Name: SD013

Site development, architecture & engineering construction
540 West Madison Street, 16th Floor, Chicago, IL 60661 312.895.4977 312.895.4971

VICINITY MAP
PHOTOSIMULATION VIEWPOINTS



CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

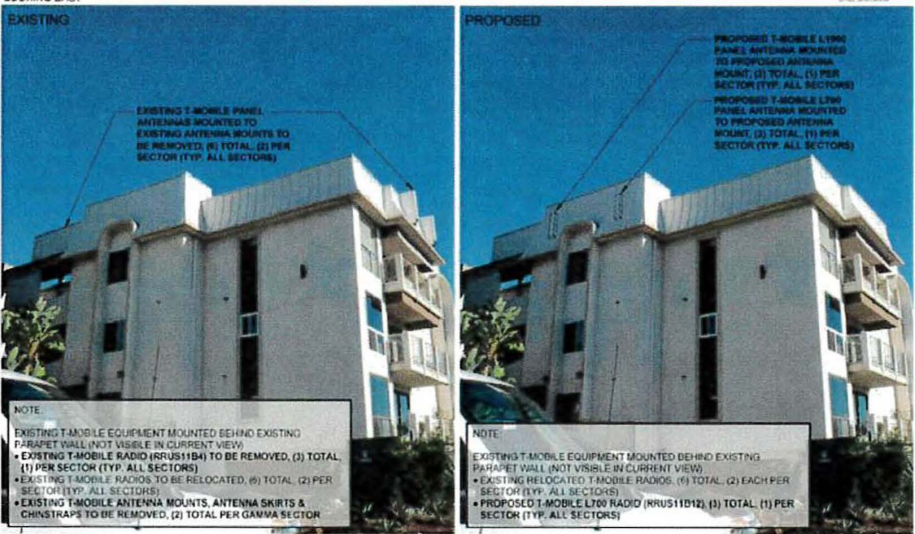


DISCLAIMER:
THIS PHOTOSIMULATION IS INTENDED AS A GRAPHICAL REPRESENTATION
OF EXISTING AND PROPOSED SITE CONDITIONS BASED ON THE PROJECT'S
DRAWING PLANS. IT IS NOT INTENDED FOR CONSTRUCTION ACTUAL. FINAL
CONSTRUCTION MAY VARY.

PHOTOSIMULATION VIEW 1
LOOKING EAST



CUP
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3217 COLUMBIA STREET
SAN DIEGO, CA 92103



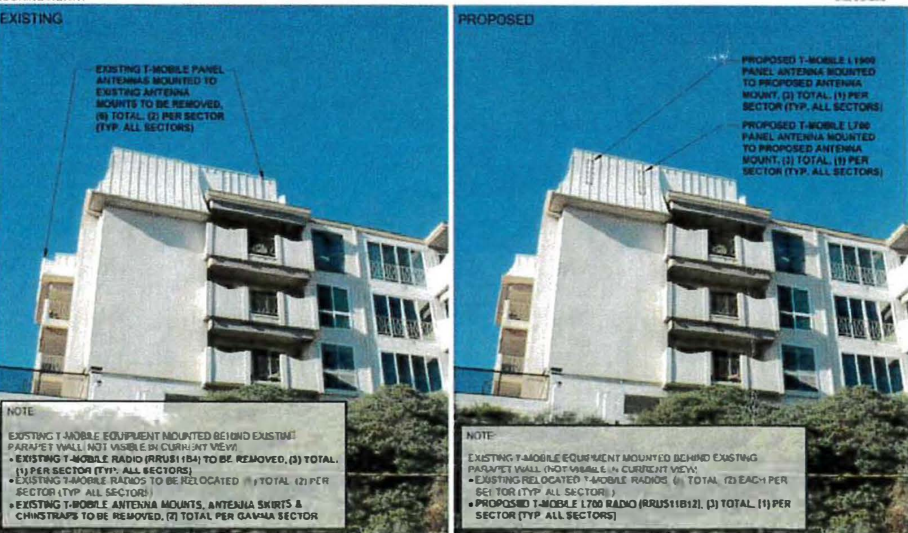
NOTE:
EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING T-MOBILE RADIO (RRUS11B1) TO BE REMOVED, (2) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
• EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

NOTE:
EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING RELOCATED T-MOBILE RADIOS, (1) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
• PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PHOTOSIMULATION VIEW 2
LOOKING NORTH



CUP
SD06013A
SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103



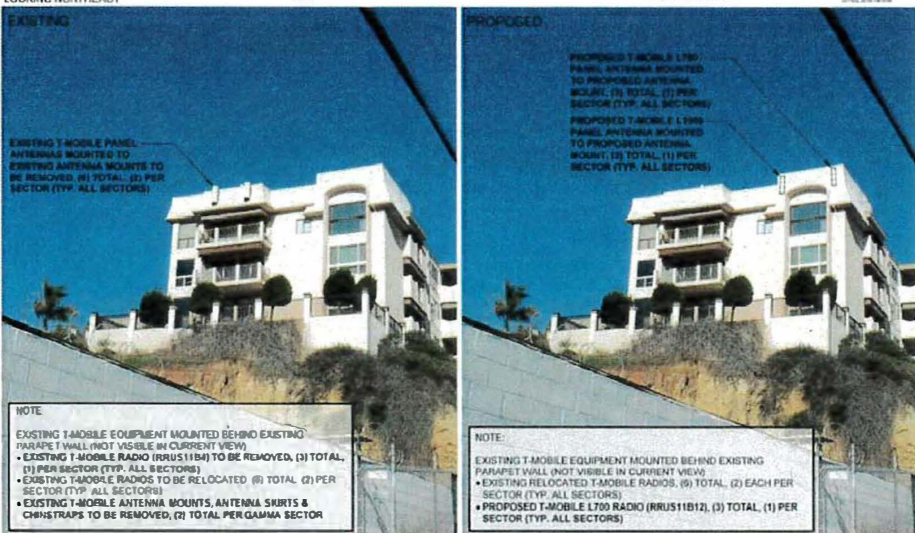
NOTE:
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PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING T-MOBILE RADIO (RRUS11B1) TO BE REMOVED, (2) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
• EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

NOTE:
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PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING RELOCATED T-MOBILE RADIOS, (1) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
• PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)

PHOTOSIMULATION VIEW 3
LOOKING NORTHEAST



CUP
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SD013
3217 COLUMBIA STREET
SAN DIEGO, CA 92103



NOTE:
EXISTING T-MOBILE EQUIPMENT MOUNTED BEHIND EXISTING
PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING T-MOBILE RADIO (RRUS11B1) TO BE REMOVED, (2) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)
• EXISTING T-MOBILE ANTENNA MOUNTS, ANTENNA SKIRTS & CHINSTRAPS TO BE REMOVED, (2) TOTAL PER GAMMA SECTOR

NOTE:
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PARAPET WALL (NOT VISIBLE IN CURRENT VIEW)
• EXISTING RELOCATED T-MOBILE RADIOS, (1) TOTAL, (2) EACH PER SECTOR (TYP. ALL SECTORS)
• PROPOSED T-MOBILE L700 RADIO (RRUS11B12), (3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)



185C9 VISTA SORRENTO PKWY #206
S411 DIFGO, CA 92121
T-MOBILE.COM



5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACAE.COM

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
2	01/16/18	CITY COMMENTS	JL
3	04/16/18	CITY COMMENTS	JL
4	09/19/18	EQUIPMENT LOCATION CHANGE	JL



"I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME AND UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1.0

DISCLAIMER

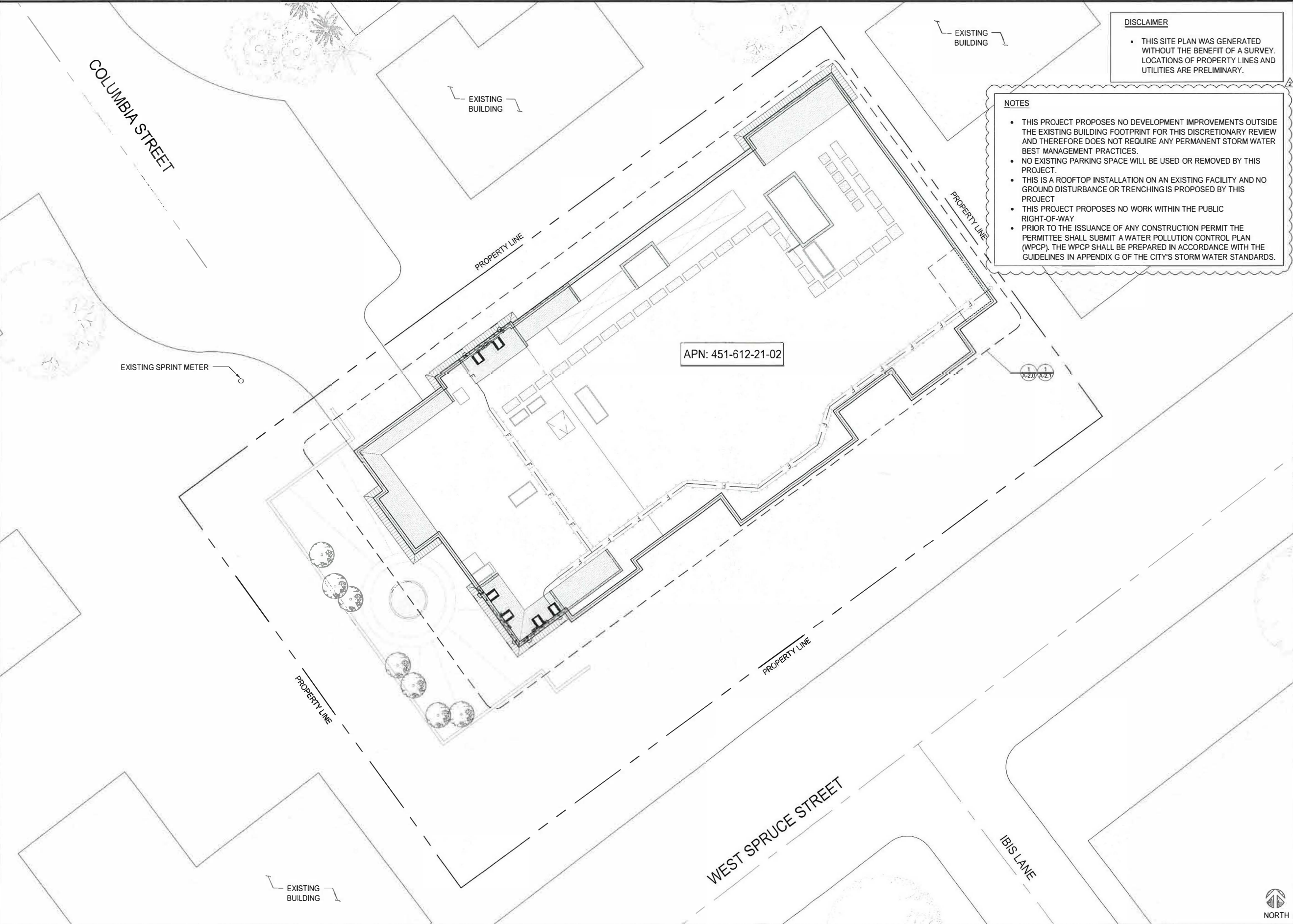
- THIS SITE PLAN WAS GENERATED WITHOUT THE BENEFIT OF A SURVEY. LOCATIONS OF PROPERTY LINES AND UTILITIES ARE PRELIMINARY.

NOTES

- THIS PROJECT PROPOSES NO DEVELOPMENT IMPROVEMENTS OUTSIDE THE EXISTING BUILDING FOOTPRINT FOR THIS DISCRETIONARY REVIEW AND THEREFORE DOES NOT REQUIRE ANY PERMANENT STORM WATER BEST MANAGEMENT PRACTICES.
- NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT.
- THIS IS A ROOFTOP INSTALLATION ON AN EXISTING FACILITY AND NO GROUND DISTURBANCE OR TRENCHING IS PROPOSED BY THIS PROJECT.
- THIS PROJECT PROPOSES NO WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMIT THE PERMITTEE SHALL SUBMIT A WATER POLLUTION CONTROL PLAN (WPCP). THE WPCP SHALL BE PREPARED IN ACCORDANCE WITH THE GUIDELINES IN APPENDIX G OF THE CITY'S STORM WATER STANDARDS.

APN: 451-612-21-02

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



OVERALL SITE PLAN

0 5' 10' SCALE: 1"=10'-0" (22x34)
(OR) 1/2"=10'-0" (11x17)





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SACAE DESIGN GROUP, INC.
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SAN DIEGO, CA 92122
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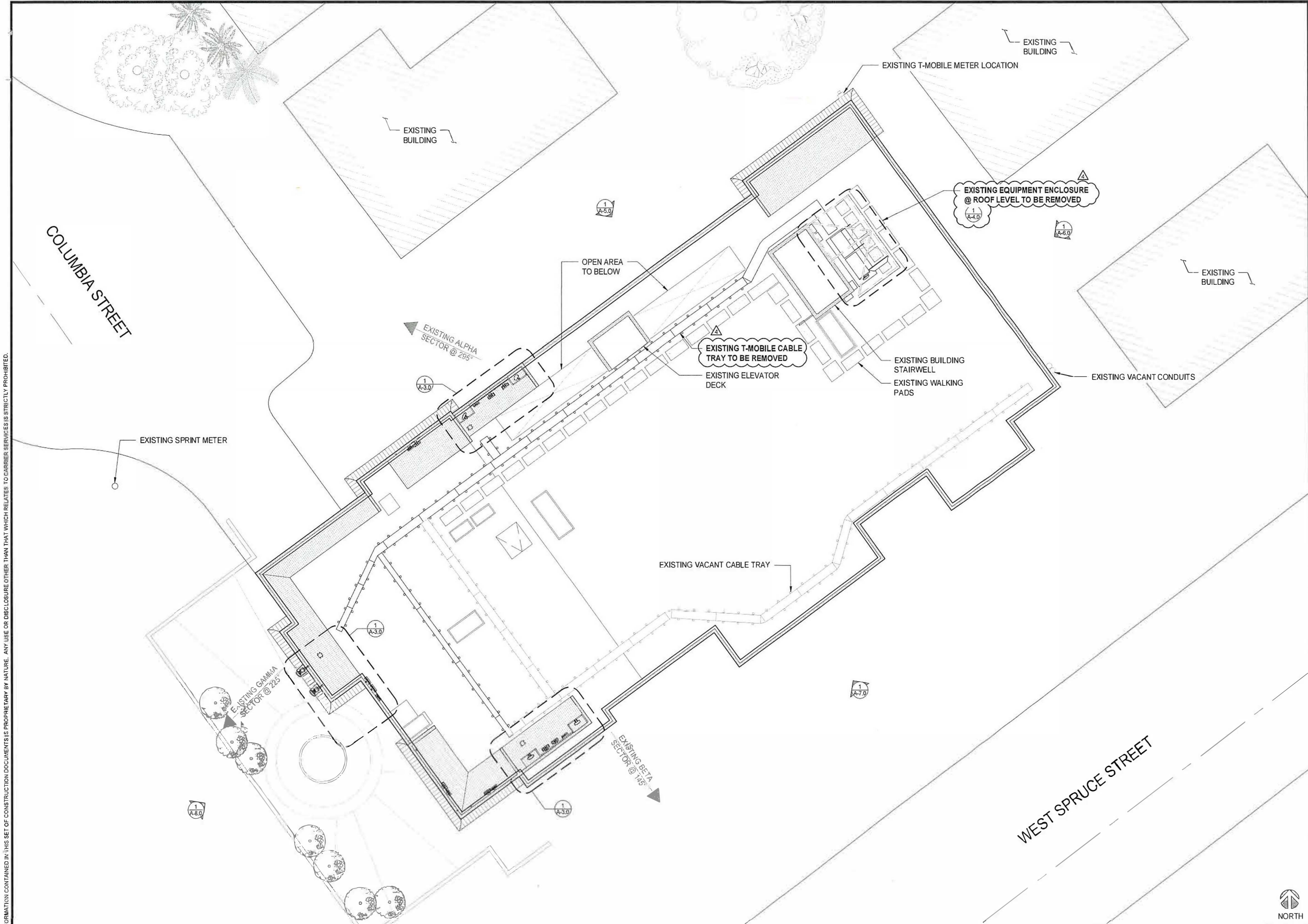
CUP-L700-L1900
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3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

EXISTING ENLARGED
ROOF PLAN

SHEET NUMBER

A-2.0



EXISTING ENLARGED ROOF PLAN

0' 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)



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Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL



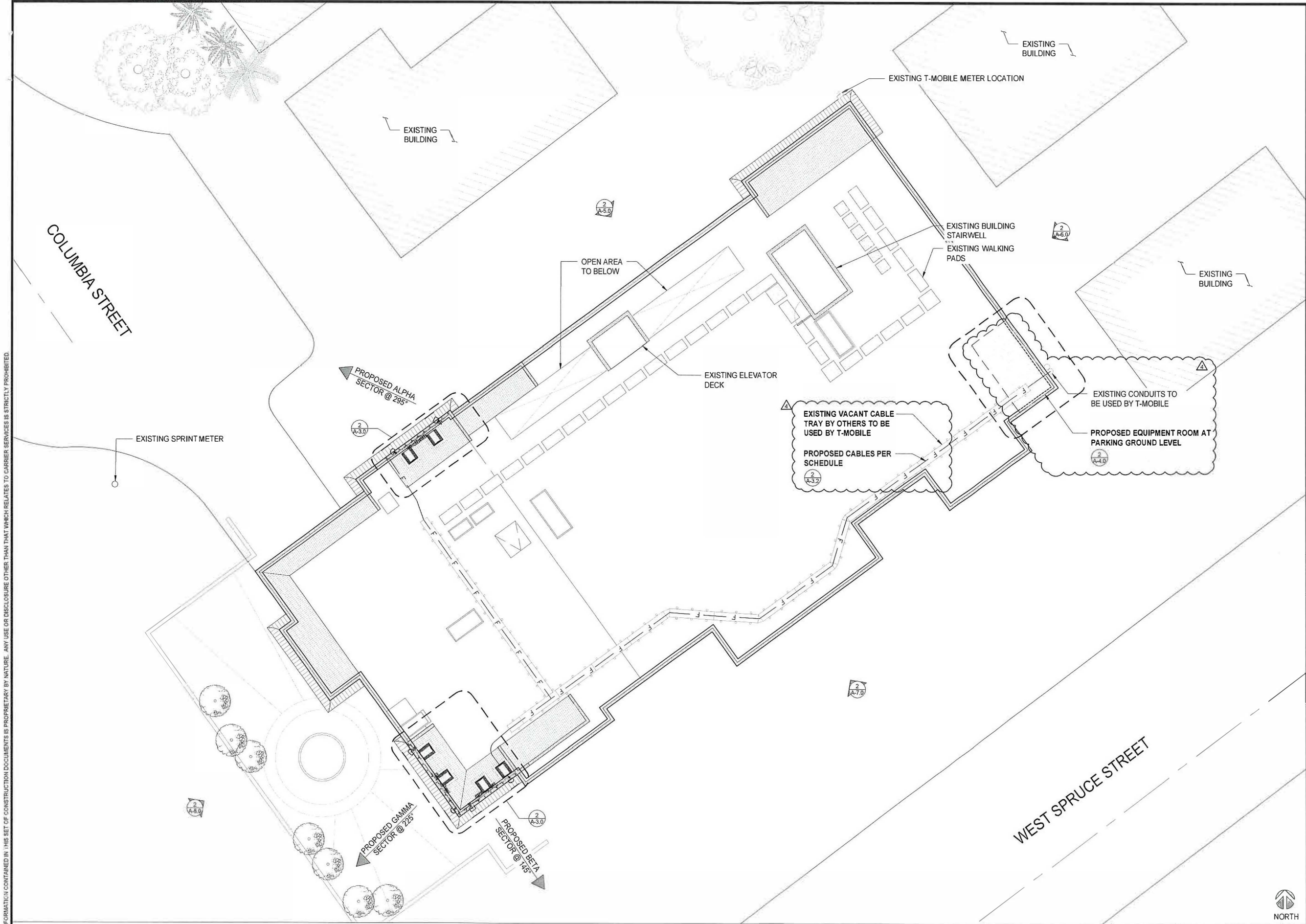
CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

PROPOSED ENLARGED
ROOF PLAN

SHEET NUMBER

A-2.1



PROPOSED ENLARGED ROOF PLAN

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)



T-Mobile

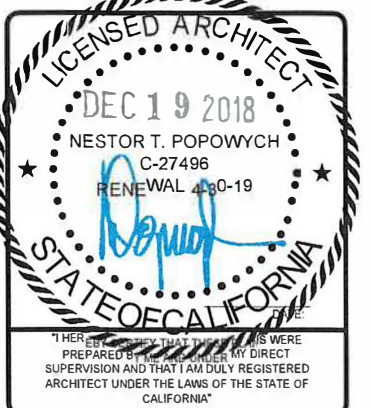
10509 VISTA SORRENTO PKWY #205
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T-MOBILE.COM

SAC
WIRELESS

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5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACV.COM

REVISIONS

REV.	DATE	DESCRIPTION	INITIALS
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2	01/16/18	CITY COMMENTS	JL
3	04/16/18	CITY COMMENTS	JL
4	09/19/18	EQUIPMENT LOCATION CHANGE	JL



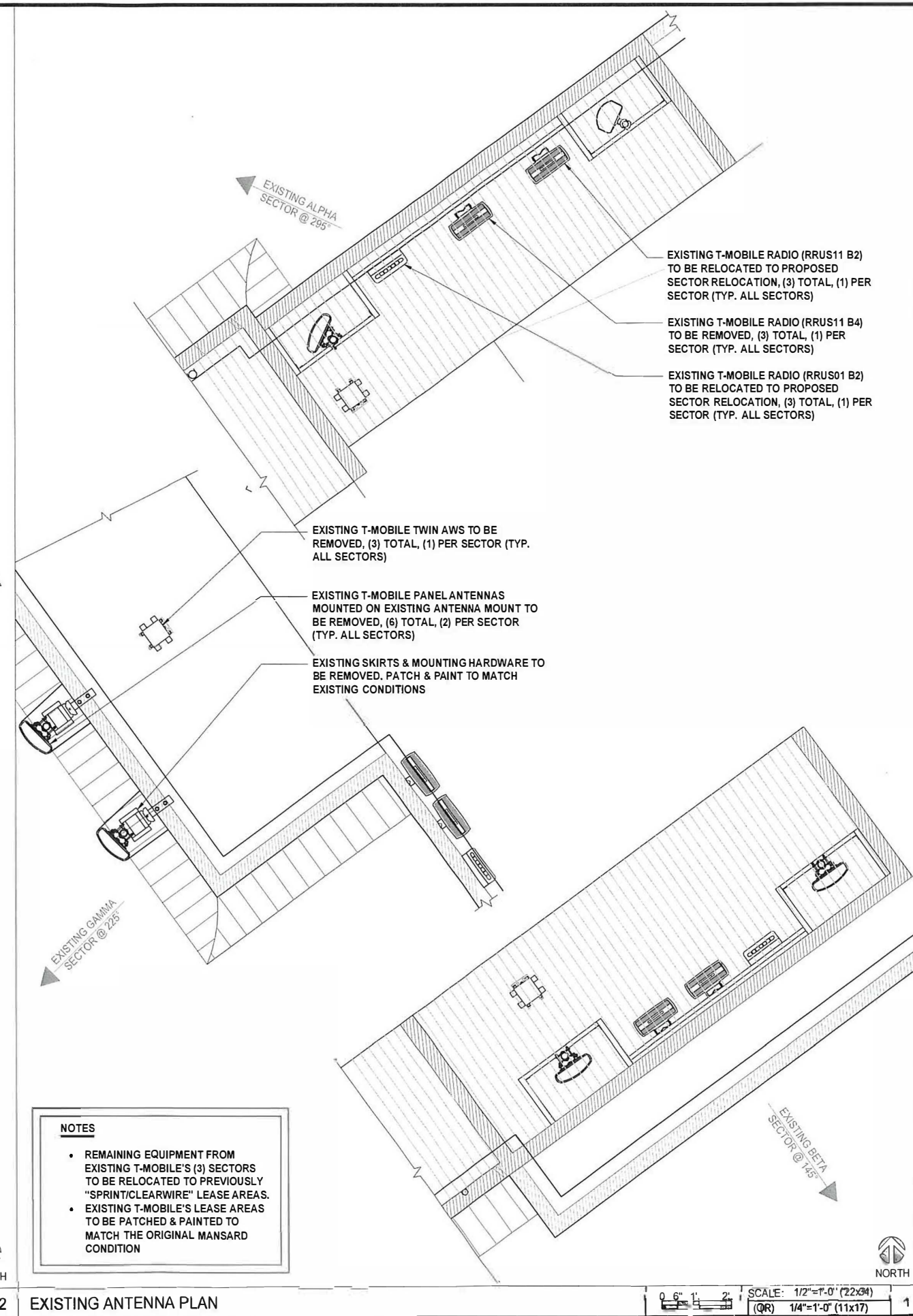
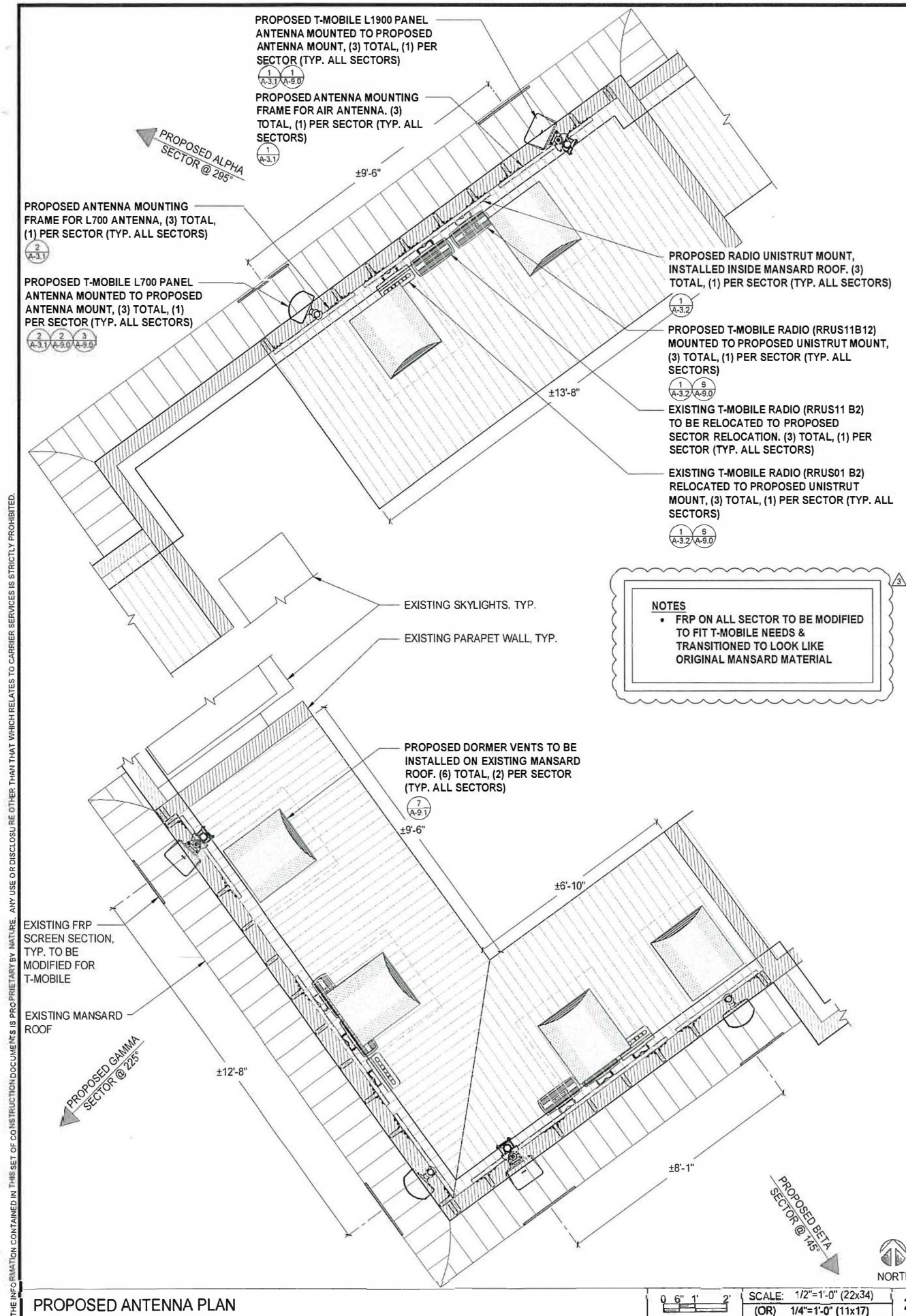
CUP-L700-L1900
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SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

EXISTING & PROPOSED
ANTENNA PLAN

SHEET NUMBER

A-3.0





REVISIONS			
REV	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
2	01/16/18	CITY COMMENTS	JL
3	04/16/18	CITY COMMENTS	JL
4	09/19/18	EQUIPMENT LOCATION CHANGE	JL

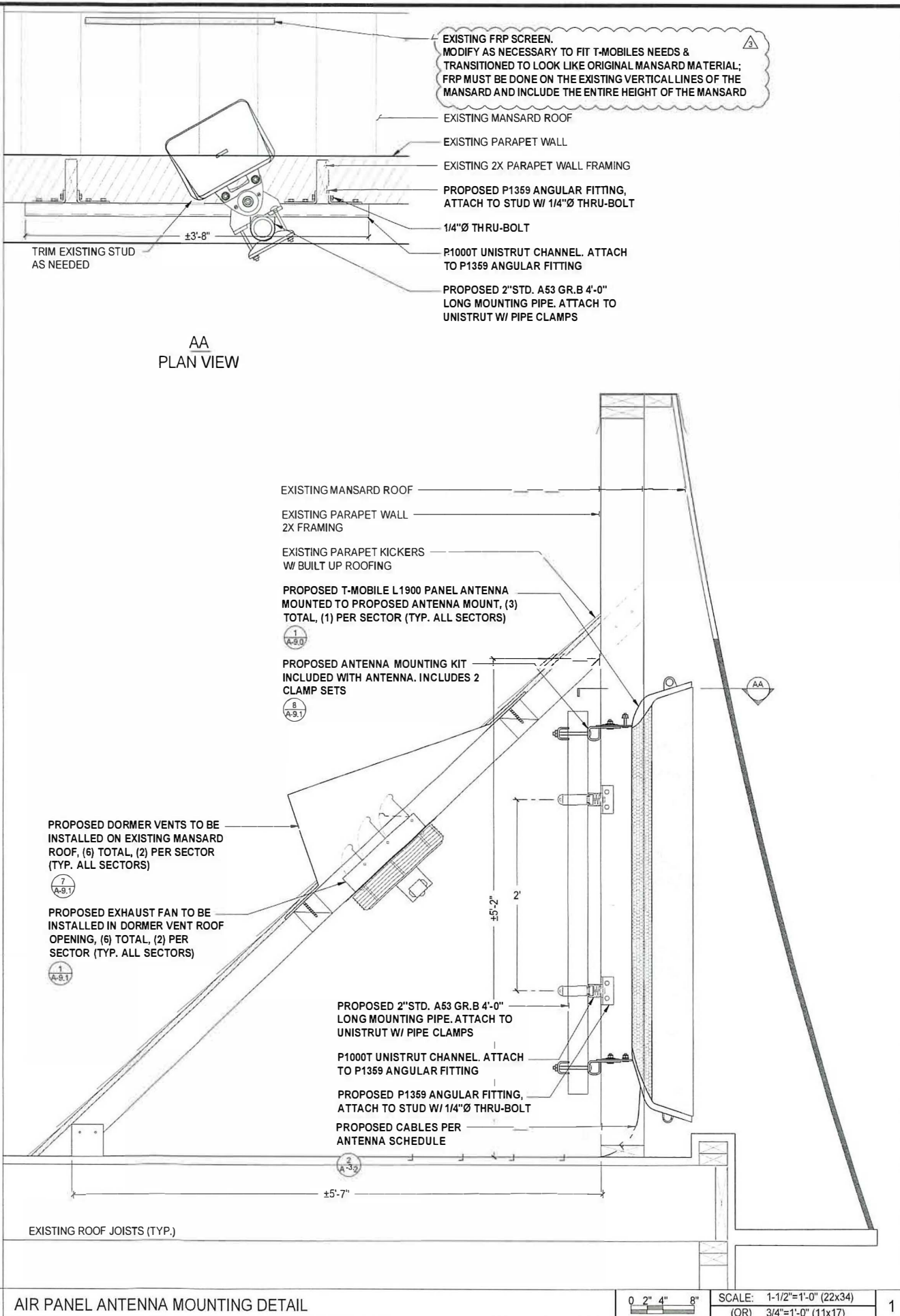
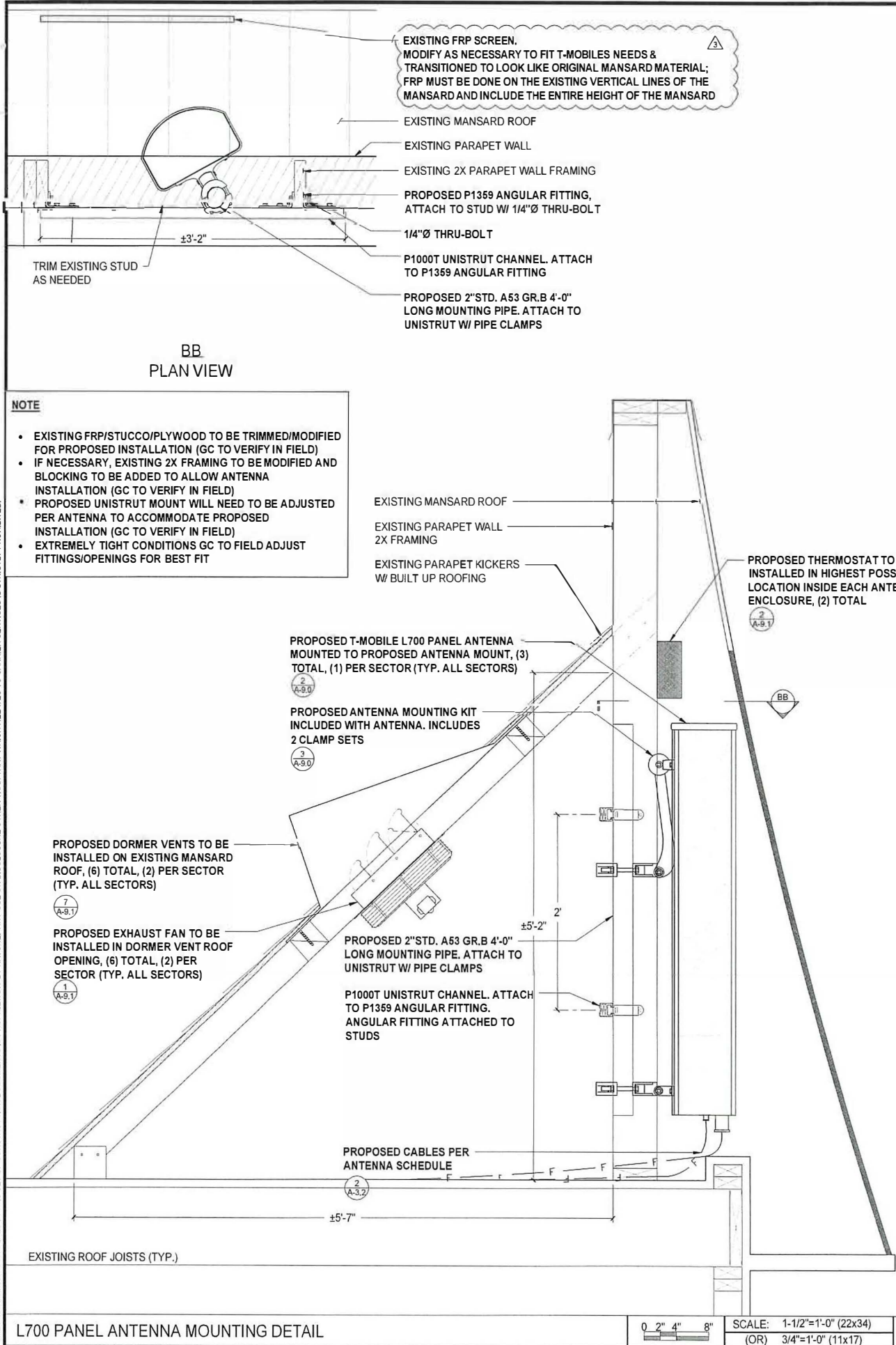


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SD013
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3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE
**PROPOSED MOUNTING
DETAILS**

SHEET NUMBER

A-3.1

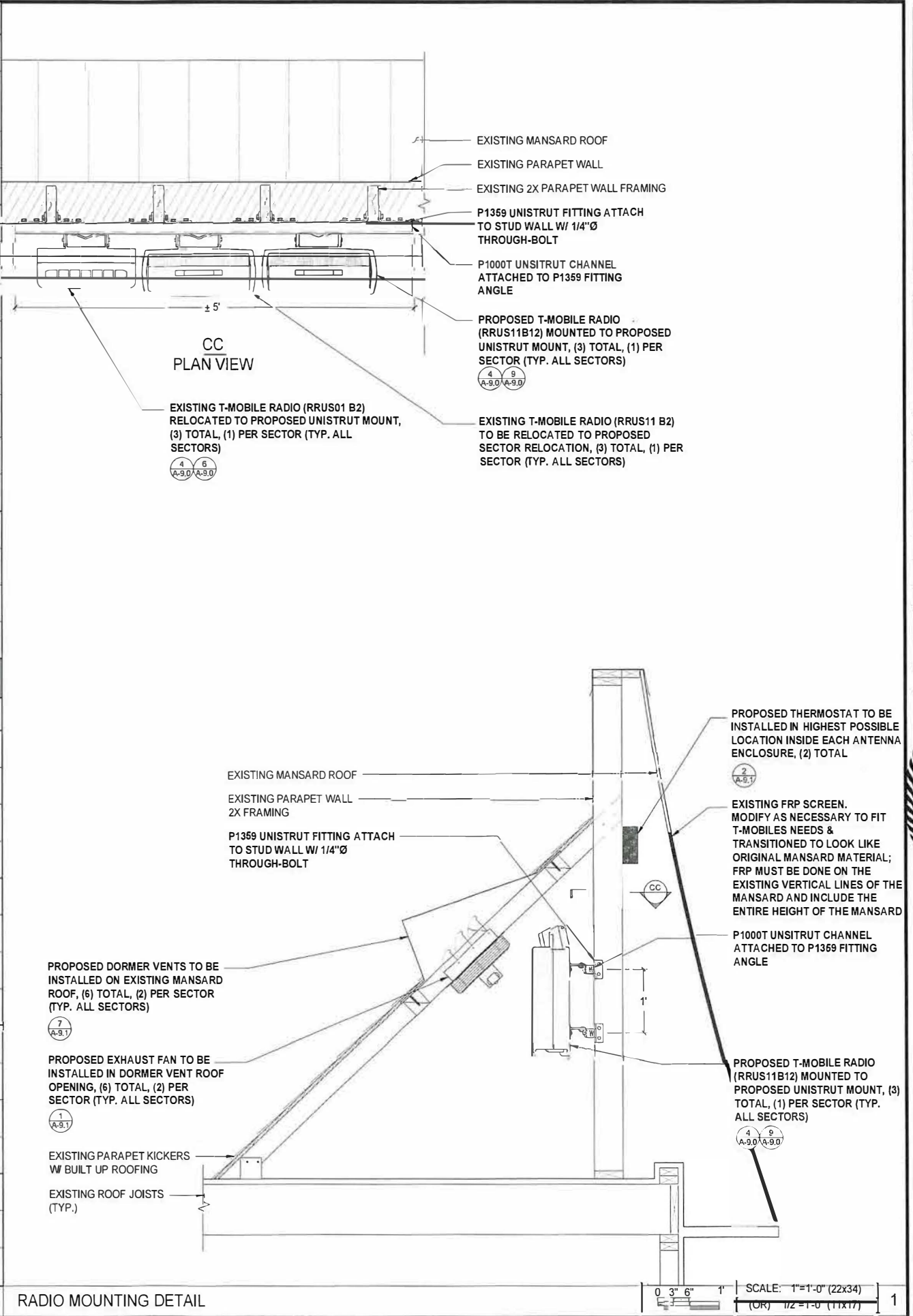


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SECTOR	AZIMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	TMA/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	295°	53'-0"	55'-0"	4'-0"	1	PROPOSED	RFS-APXVFWW12X-C-NA20	(1) RRUS01B2(1) RRUS11B12	(1) 6x12 HCS (4) FIBER JUMPER	80M / 16'-0"
				4'-0"	2	PROPOSED	KRD901146-1_B66A_B2A	N/A	(2) DC 6AWG (4) LOOSE FIBER CABLES	± 80M/ 260'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BETA	145°	53'-0"	55'-0"	4'-0"	1	PROPOSED	RFS-APXVFWW12X-C-NA20	(1) RRUS01B2(1) RRUS11B12	(1) 6x12 HCS (4) FIBER JUMPER	80M / 16'-0"
				4'-0"	2	PROPOSED	KRD901146-1_B66A_B2A	N/A	(2) DC 6AWG (4) LOOSE FIBER CABLES	± 80M/ 260'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GAMMA	225°	53'-0"	55'-0"	4'-0"	1	PROPOSED	RFS-APXVFWW12X-C-NA20	(1) RRUS01B2(1) RRUS11B12	(1) 6x12 HCS (4) FIBER JUMPER	80M / 16'-0"
				4'-0"	2	PROPOSED	KRD901146-1_B66A_B2A	N/A	(2) DC 6AWG (4) LOOSE FIBER CABLES	± 80M/ 260'-0"
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DELTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A

SECTOR	AZIMUTH	RAD CENTER	TOP OF ANTENNA	GENERAL ANTENNA SIZE	POSITION	EXISTING OR PROPOSED	ANTENNA MODEL	TMA/RADIO	CABLE	CABLE LENGTH AS PER RFDS
ALPHA	295°	53'-0"	55'-0"	4'-0"	1	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS01 B2 (1) RRUS11B2	(1) 3x6 HCS (2) FIBER JUMPER	131'-0" 16'-0"
				4'-0"	2	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS11B4 (1) TMN AWS	(2) 7/8" COAX (1) FIBER JUMPER	108'-0" 16'-0"
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
BETA	145°	53'-0"	55'-0"	4'-0"	1	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS01 B2 (1) RRUS11B2	(1) 3x6 HCS (2) FIBER JUMPER	164'-0" 16'-0"
				4'-0"	2	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS11B4 (1) TMN AWS	(2) 7/8" COAX (1) FIBER JUMPER	156'-0" 16'-0"
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
GAMMA	225°	53'-0"	55'-0"	4'-0"	1	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS01 B2 (1) RRUS11B2	(1) 3x6 HCS (2) FIBER JUMPER	164'-0" 16'-0"
				4'-0"	2	EXISTING	CMA_BDHH_6519_E0-8	(1) RRUS11B4 (1) TMN AWS	(2) 7/8" COAX (1) FIBER JUMPER	148'-0" 16'-0"
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
DELTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A

EXISTING & PROPOSED ANTENNA SCHEDULE									
SCALE N.T.S.									
2									



10509 VISTA SORRENTO PKWY #205
SAN DIEGO, CA 92121
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SAC AE DESIGN GROUP INC.
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacdv.com

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
Δ	01/16/18	CITY COMMENTS	JL
Δ	04/16/18	CITY COMMENTS	JL
Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL

CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

PROPOSED MOUNTING
DETAILS & ANTENNA
SCHEDULE

SHEET NUMBER

A-3.2



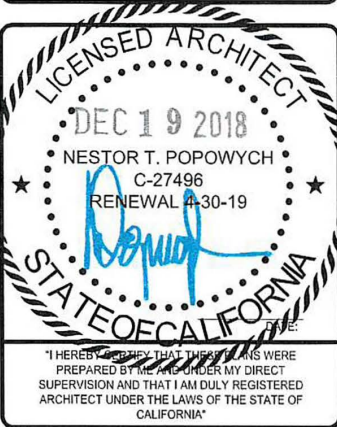
10589 JISTA SORRENTO PKWY #206
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5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
WWW.SACDW.COM

REVISIONS

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CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE
EXISTING & PROPOSED
EQUIPMENT PLANS &
BATTERY CALCULATIONS

SHEET NUMBER

A-4.0

EXISTING BATTERY SPECIFICATIONS

CABINET TYPE	RBS 2106
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB100FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	2.06
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	4
TOTAL ELECTROLYTES CONTAINED IN CABINET #1	8.2

CABINET TYPE	RBS 6102
BATTERY MANUFACTURER	BATTERY CORP
MODEL NUMBER:	BC012V26FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	1.2
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	4
TOTAL ELECTROLYTES CONTAINED IN CABINET #2	4.8

TOTAL ELECTROLYTES CONTAINED ON SITE 13.04

PROPOSED BATTERY SPECIFICATIONS

CABINET TYPE	PBC 6200
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB100FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	2.06
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	12
TOTAL ELECTROLYTES CONTAINED IN CABINET #1	24.7

BATTERY MANUFACTURER	BATTERY CORP
MODEL NUMBER:	BC012V26FT
ELECTROLYTE CONTENT PER BATTERY (IN GALLONS)	1.2
ELECTROLYTE HAZARD CLASSIFICATION PER '13 C.F.C. (8.7% SULFURIC ACID):	CORROSIVE
NUMBER OF BATTERIES INSTALLED	4
MAXIMUM NUMBER OF BATTERIES PER CABINET	16
TOTAL ELECTROLYTES CONTAINED IN CABINET #1	4.8

TOTAL ELECTROLYTES CONTAINED ON SITE 29.52

PROPOSED EQUIPMENT PLAN

0 6" 1' 2'

SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

2

EXISTING EQUIPMENT PLAN & BATTERY CALCULATIONS

0 3" 6" 1'

SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)

1



10505 VISTA SORRENTO PKWY #206
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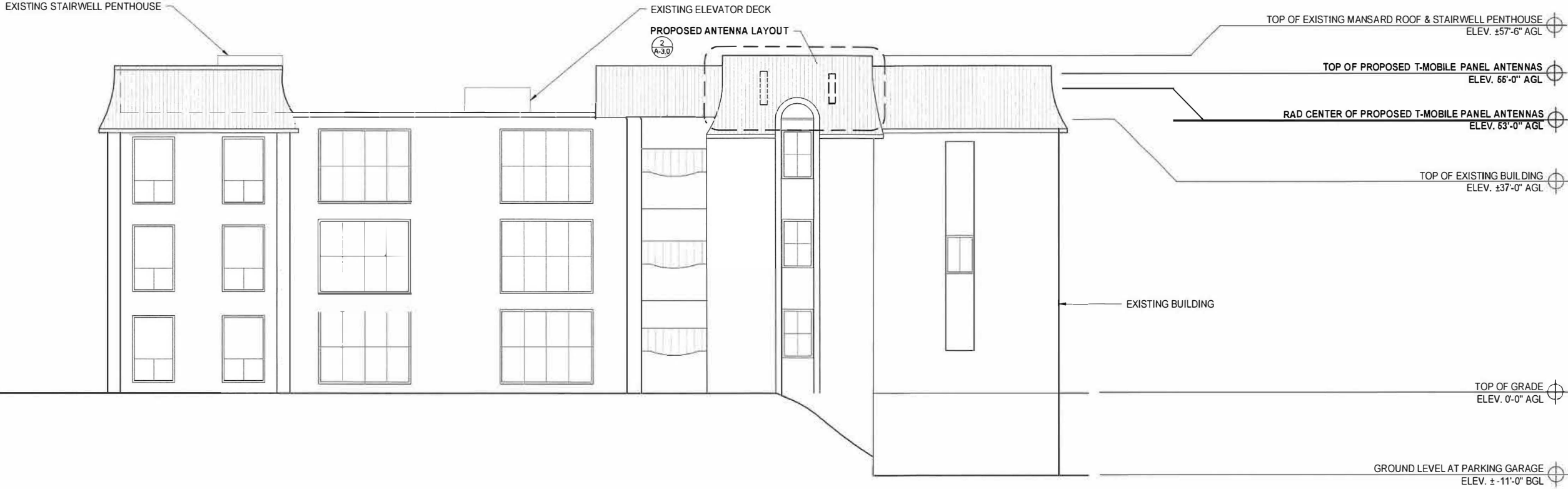
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SHEET TITLE

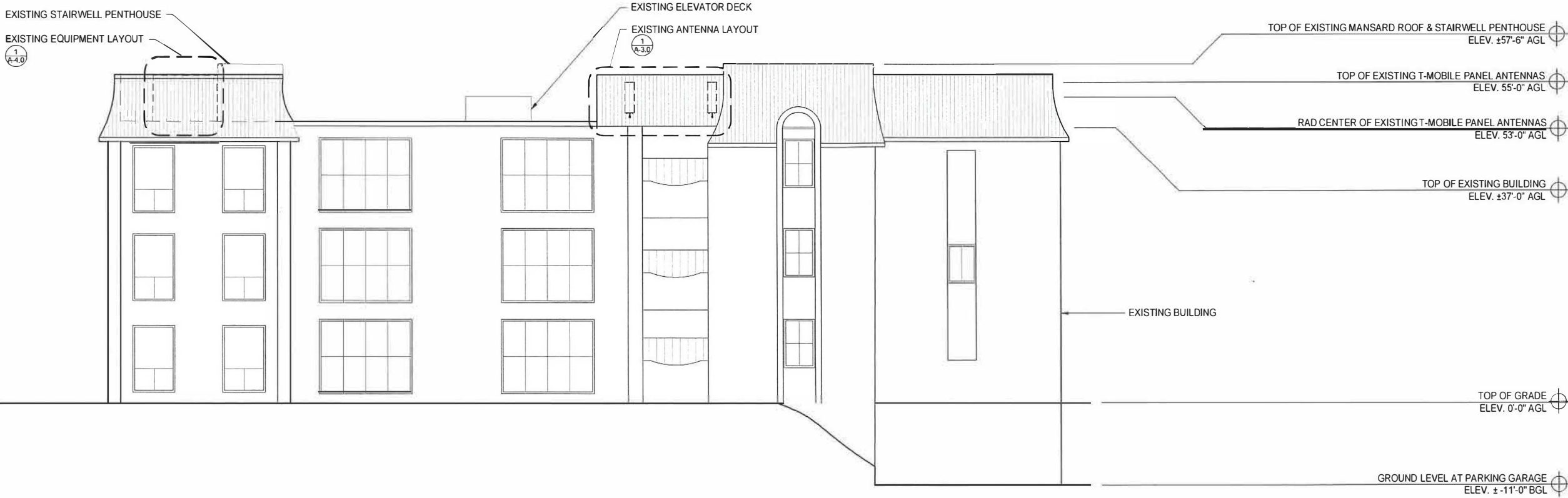
EXISTING & PROPOSED
NORTHWEST ELEVATIONS

SHEET NUMBER

A-5.0



PROPOSED NORTHWEST ELEVATION



EXISTING NORTHWEST ELEVATION

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REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
△	01/16/18	CITY COMMENTS	JL
△	04/16/18	CITY COMMENTS	JL
△	09/19/18	EQUIPMENT LOCATION CHANGE	JL



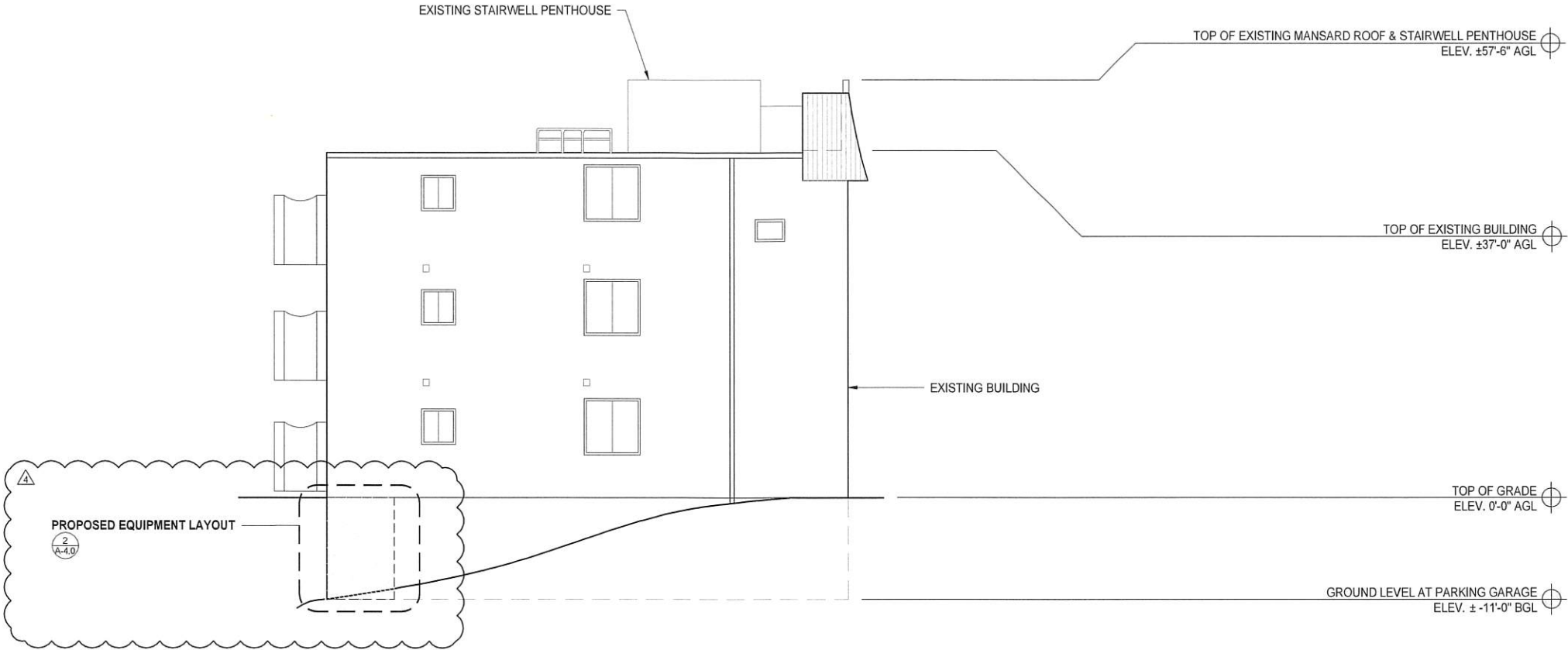
CUP-L700-L1900
SD013
SD06013A
3217 COLUMBIA STREET
SAN DIEGO, CA 92103

SHEET TITLE

EXISTING & PROPOSED
NORTHEAST ELEVATIONS

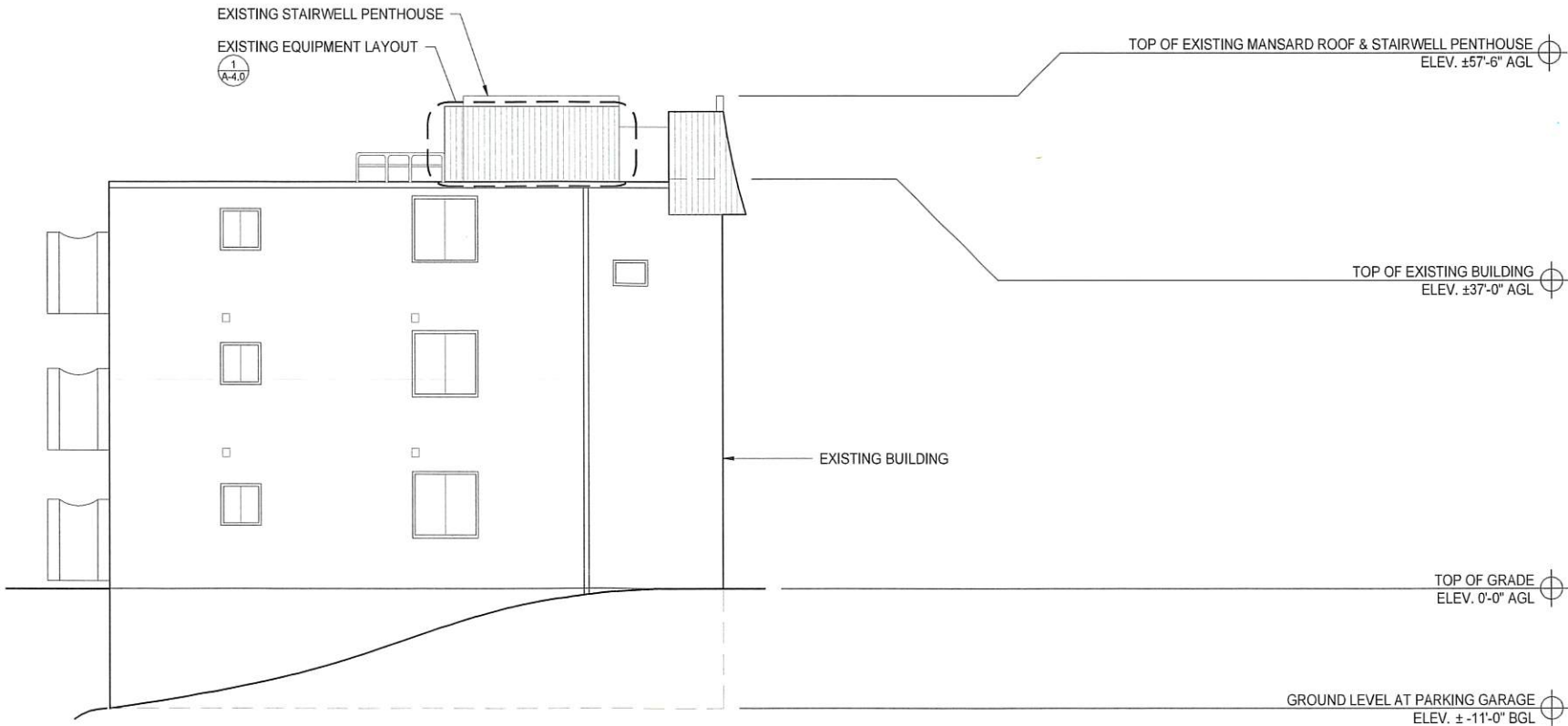
SHEET NUMBER

A-6.0



PROPOSED NORTHEAST ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17) 2



EXISTING NORTHEAST ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17) 1

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



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SAN DIEGO, CA 92122
WWW.SACAE.COM

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
2	01/16/18	CITY COMMENTS	JL
3	04/16/18	CITY COMMENTS	JL
4	09/19/18	EQUIPMENT LOCATION CHANGE	JL



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SAN DIEGO, CA 92103

SHEET TITLE

EXISTING & PROPOSED
SOUTHEAST ELEVATIONS

SHEET NUMBER

A-7.0



PROPOSED SOUTHEAST ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)



EXISTING SOUTHEAST ELEVATION

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
(OR) 1/16"=1'-0" (11x17)

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



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REVISIONS			
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0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
△	01/16/18	CITY COMMENTS	JL
△	04/16/18	CITY COMMENTS	JL
△	09/19/18	EQUIPMENT LOCATION CHANGE	JL



"I HEREBY CERTIFY THAT THE WORKS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF CALIFORNIA"

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SHEET TITLE

EXISTING & PROPOSED
SOUTHWEST ELEVATIONS

SHEET NUMBER

A-8.0



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REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
1	10/02/17	100% CD's	CA
Δ	01/16/18	CITY COMMENTS	JL
Δ	04/16/18	CITY COMMENTS	JL
Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL

"I HEREBY CERTIFY THAT THE ARCHITECT
PREPARED BY ME AND UNDER MY DIRECT
SUPERVISION AND THAT I AM DULY REGISTERED
ARCHITECT UNDER THE LAWS OF THE STATE OF
CALIFORNIA"

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SD013
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SAN DIEGO, CA 92103

SHEET TITLE

EQUIPMENT DETAILS &
SPECIFICATIONS

SHEET NUMBER

A-9.0

<div><div>MANUFACTURER: ERICSSON MODEL: RRUS-11 FREQUENCY RANGE: 1710 - 2155 MHZ IMPEDANCE: 50 OHMS AZIMUTH BW: 64.5° ± 8° ELEVATION BW: 7.2° ± 1.2° GAIN, dBi: 17.5 ± 0.8 POLARIZATION: ±45° VSWR: 1.35:1 / 16.5 PORT-TO-PORT ISOLATION: >30 dB ELECTRICAL TILT RANGE: 2° - 10° ELECTRICAL DOWNTILT: ± 0.9° MAX. INPUT POWER: 250 WATTS LIGHTNING PROTECTION: DC GROUND GAIN VARIATION: 1.3 dB ELECTRICAL TILT ACC.: <0.55° AZIMUTH HPBW: 11.5° MECHANICAL NET WEIGHT: 50 LBS (INCLUDING MOUNTING BRACKET) DIMENSION (LxWxD): 19.7"x17"x7.2" COLOR: WHITE MOUNTING: STANDARD MOUNTING BRACKET HARDWARE MATERIAL: HOT DIP GALVANIZED</div><div><p>PLAN VIEW</p><p>FRONT VIEW</p><p>SIDE VIEW</p></div></div>		<div><div>MANUFACTURER: ERICSSON MODEL: RRUS-01 FREQUENCY RANGE: 850-1900 MHZ INPUT VOLTAGE: -48V DC OR AC OUTPUT POWER: 40/60 NOMINAL CARRIERS: UP TO 4 (SAME BAND) NET WEIGHT: 45 LBS DIMENSION (LxWxD): 26.6x13.8x4.4 IN.</div><div><p>PLAN VIEW</p><p>FRONT VIEW</p><p>SIDE VIEW</p></div></div>		<div><div>MANUFACTURER: RFS MODEL: APM40 UNIVERSAL MOUNTING KIT GENERAL BRAND: SUITABLE FOR ALL BASE STATION ANTENNAS UP TO 2.6MM LONG DIMENSIONS: PIPE DIAMETER: 60-120MM MATERIAL: ALUMINUM, GALVANIZED STEEL</div><div><p>ANTENNA PER PLAN</p><p>MOUNTING PIPE</p></div></div>		RRUS11	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	9	RRUS01	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	6	APM40-2 - ANTENNA MOUNTING BRACKET	N.T.S.	3
<div><div>MANUFACTURER: BATTERY CORP MODEL: BC-12V26FT 8 HOUR CAPACITY TO 1.75VPC @ 20° C (68F): 26Ah FLOAT VOLTAGE: 12V NOMINAL VOLTAGE: 12V IMPEDANCE (1KHz): 3.7 CONDUCTANCE: 1.288 S SHORT CIRCUIT CURRENT: 3,500 A MAXIMUM CHARGE CURRENT: NO LIMIT WEIGHT: 23Lbs. HEIGHT: 10.2 in. WIDTH: 3.80 in. DEPTH: 15 in. TERMINAL: M5-F</div><div><p>FRONT VIEW</p><p>SIDE VIEW</p></div></div>		<div><div>MANUFACTURER: ERICSSON MODEL: XMU 03 WEIGHT: 5 LBS. HEAT DISSIPATION: 50 W (TYP.) 80W (MAX.) OPERATING TEMPERATURE RANGE: 5 - 50°C MOUNTING IN STANDARD DU SLOTS, DU ADAPTERS AND RADIO SHELF. MOUNTING IN 19" RACK OR IN TRANSMISSION COMPARTMENT BELOW AIR RESTRICTOR PLATE BY USE OF SUP 6601 V2.</div><div><p>INTER-CONNECTION</p></div></div>		<div><div>MANUFACTURER: RFS MODEL: APXVFWW12X-C-NA20 FREQUENCY RANGE: 698 - 806, 806-894, 2695-1880, 1850-1990, 1990-2180, 2305-2350 MHz HORIZONTAL BEAMWIDTH: 73°, 71°, 67°, 66°, 56° VERTICAL BEAMWIDTH: 20.5°, 17.2°, 9.8°, 9.1°, 8.7°, 8.0° BEAM TILT: 0° - 10° VSWR, RETURN LOSS: <1.5:1 INPUT POWER PER PORT: 500 WATTS POLARIZATION: DUAL ±45° IMPEDANCE: 50 OHM ANTENNA TYPE: CROSS POLARIZED BAND: TRIPLE BAND MECHANICAL LIGHTNING PROTECTION: DC GROUND RADIATOR MATERIAL: ALUMINUM RADOME MATERIAL: FIBERGLASS, UV RESISTANT RF CONNECTOR INTERFACE: 7 - 16 LONG NECK FEMALE RF CONNECTOR LOCATION: BOTTOM RF CONNECTOR QUANTITY: 6 WIND LOADING MAX.: 77 LBF @ 240KM/H 340 N @ 240KM/H 150 MPH WIND SPEED MAX.: 7.9"x48"x11.8" NET WEIGHT: 44 LBS MOUNTING HARDWARE: APM40-2</div><div><p>FRONT VIEW</p><p>SIDE VIEW</p><p>BOTTOM VIEW</p></div></div>		BATTERY	2"=1'-0" (22x34) 1"=1'-0" (11x17)	8	XMU 03	N.T.S.	5	APXVFWW12X-C-NA20 ANTENNA	1/2"=1'-0" (22x34) 1/4"=1'-0" (11x17)	2
<div><div>MANUFACTURER: NORTHSTAR MODEL: NSB 100FT BLUE 10 HOUR CAPACITY TO 1.80VPC @ 25°C (77F): 84Ah 8 HOUR CAPACITY TO 1.75VPC @ 25°C (77F): 83Ah 10 HOUR CAPACITY TO 1.80VPC @ 20°C (68F): 82Ah FLOAT VOLTAGE: 12V NOMINAL VOLTAGE: 12V IMPEDANCE (1KHz): 3.7 CONDUCTANCE: 1.288 S SHORT CIRCUIT CURRENT: 3,500 A MAXIMUM CHARGE CURRENT: NO LIMIT WEIGHT: 74Lbs. (34Kg) HEIGHT: 11.3 in. WIDTH: 4.2 in. DEPTH: 15.6 in. TERMINAL: FEMALE M8x1.25 TERMINAL TORQUE: 8.0 Nm. (71 in-lbs)</div><div><p>FRONT VIEW</p><p>SIDE VIEW</p></div></div>		<div><div>MANUFACTURER: ERICSSON MODEL: SXK 125 0247/1 SINGLE RRU WALL SUPPORT KIT MECHANICAL CLAMP PROFILES: ALUMINUM, NATURE ANODIZED SUPPORT ARMS: ALUMINUM, NATURE ANODIZED FASTENERS: ACID PROOF STAINLESS STEEL MOUNTING PIPE: 1"-2-3/8", ORDER SEPARATELY</div><div><p>REMOTE RADIO UNIT</p><p>MOUNT TO WALL OR UNISTRUT</p></div></div>		<div><div>MANUFACTURER: ERICSSON MODEL: AIR 32, DUALBAND(B2a/B66Aa) BAND 2 (1850-1910/1930-1990): ACTIVE FREQUENCY BAND BAND 4 (1710-1755/2110-2155): SUBSET OF BAND 66A (AWS1+3) BAND 66A (1710-1780/2110-2180): ACTIVE FREQUENCY BAND PA OUTPUT POWER: 2 X (4 X 30)W DOWNLINK EIRP: 4 X 62.5 dBm INST. BANDWIDTH: B2: 40 MHz (W/L) B2: 20 MHz (G) B66A: 70MHz (W/L) 6 GSM (B2 ONLY) 6 WCDMA PER ACTIVE FREQ. BAND 2 X 20MHz LTE PER BAND WCDMA & GSM ON BOTH PAs (B2) WCDMA & LTE ON BOTH PAs (B2 & B4) GSM & LTE (B2) 2 X 10 Gbps PER ACTIVE FREQ. BAND -48 VDC 3-WIRE OR 2-WIRE DC POWER: PSU-AC 08 AC POWER (OPTIONAL): -40 TO +55 °C OPERATING TEMP. RANGE: ≤ 1,120 W/m² SOLAR RADIATION: 5 TO 100% RELATIVE HUMIDITY: 0.26 TO 4.0g/m³ ABSOLUTE HUMIDITY: 1.0° C/min MAX. TEMP. CHANGE: 2°-12° (B66A), 2° - 12° (B2) ELECTRICAL TILT: 180B (B66A), 17.5 dBi (B2) BORE-SIGHT ANTENNA GAIN: 65° (B66A), 63° (B2) NOMINAL BEAM-WIDTH AZ: 6° (B66A), 6° (B2) NOMINAL BEAM-WIDTH ELEV: MECHANICAL WEIGHT: 132.2 LBS SIZE (HxWxD): 56.6"x12.9"x8.7" WIND LOAD: 143,678 LBF / 67,4427 LBF / 148,374 LBF</div><div><p>SIDE VIEW</p><p>BACK VIEW</p><p>FRONT VIEW</p></div></div>		BATTERY	2"=1'-0" (22x34) 1"=1'-0" (11x17)	7	WALL MOUNTED RADIO	1-1/2"=1'-0" (22x34) 3/4"=1'-0" (11x17)	4	AIR 32 B2a/B66Aa ANTENNA	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	1

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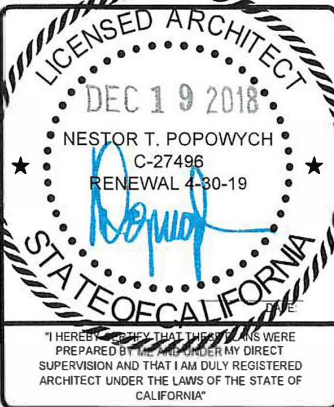


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REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	09/11/17	90% CD's	JP
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Δ	04/16/18	CITY COMMENTS	JL
Δ	09/19/18	EQUIPMENT LOCATION CHANGE	JL

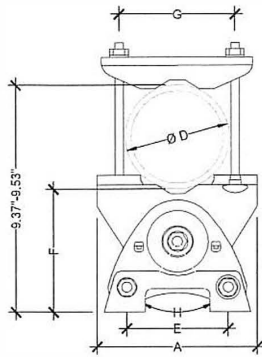


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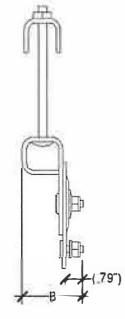
SHEET TITLE
EQUIPMENT DETAILS &
SPECIFICATIONS

SHEET NUMBER

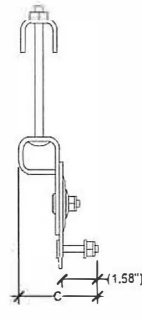
A-9.1



PLAN VIEW



LOWER CLAMP
SIDE VIEW



UPPER CLAMP
SIDE VIEW

A	B	C	D	E	F(0°)	G	H
6.85"	2.68"	3.47"	2-3/8"-4-1/2" O.D.	4.33"	5.04"	4.96"	±30"

AIR ANTENNA CLAMP

3"=1'-0" (22x34)
1-1/2"=1'-0" (11x17)

8

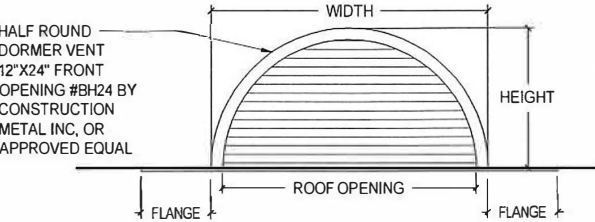
EQUIPMENT ANCHORAGE

6

PBC 6200

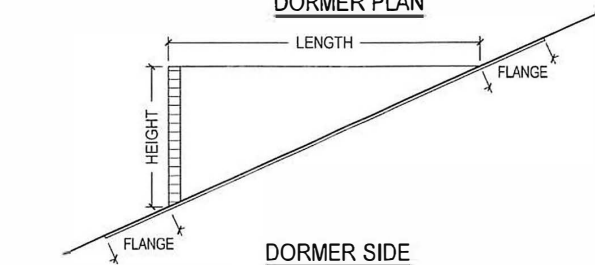
1"=1'-0" (22x34)
1/2"=1'-0" (11x17)

3

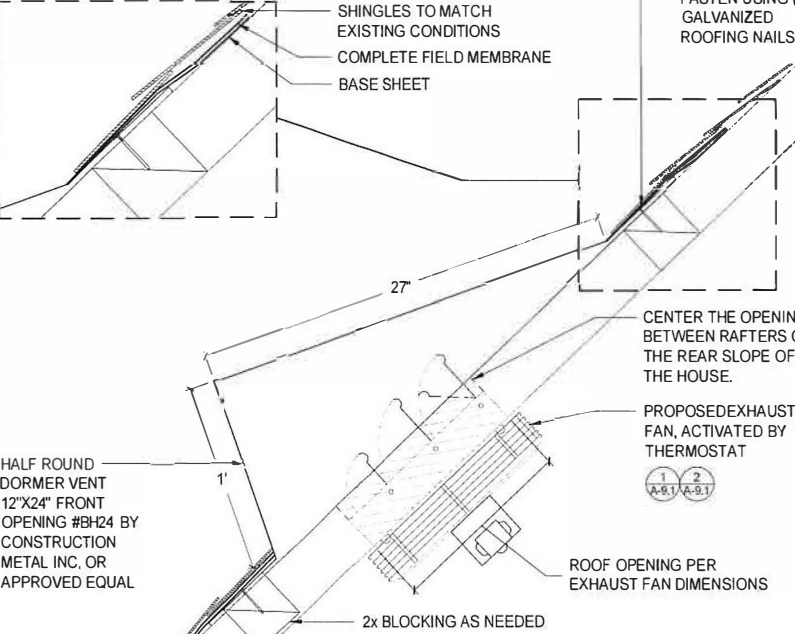


DORMER PLAN

12x 24 DORMER DIMENSIONS	
VENT HEIGHT	12"
VENT WIDTH	24"
ROUGH OPENING	12" x 9"
N.F.V.	100 sq. ft.
VENT LENGTH	27"
FLANGE	6"



DORMER SIDE



DORMER VENT

7

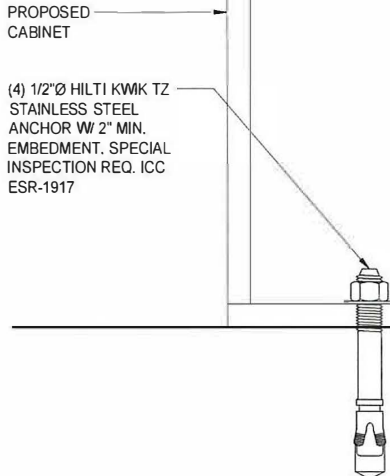
RBS 6601

N.T.S.

4

SHUTTER MOUNT EXHAUST FAN

1



PROPOSED
CABINET

(4) 1/2"Ø HILTI KWIK TZ
STAINLESS STEEL
ANCHOR W/ 2" MIN.
EMBEDMENT. SPECIAL
INSPECTION REQ. ICC
ESR-1917

MANUFACTURER: ERICSSON
MODEL: PBC 6200

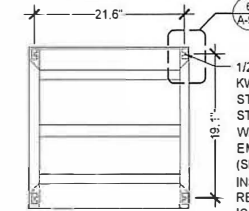
WEIGHT: 2200Lbs
HEIGHT: 72.44 in.
WIDTH: 23.52 in.
DEPTH: 23.52 in.

POWER FACTOR: >0.99

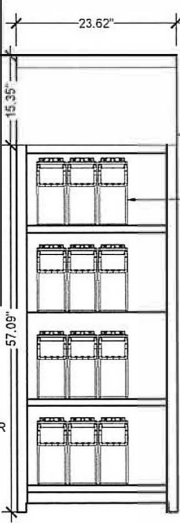
BATTERY CAPACITY: 48V/140-760 Ah (BATTERY
RACK CAPACITY, AGM
BATTERIES)

TEMPERATURE RANGE: NORMAL OPERATION: +5 TO
50 °C

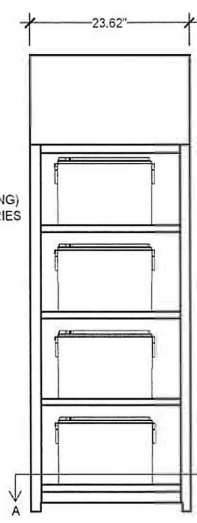
RECTIFIER NOISE LEVEL: <50 dB(A) AT 25 °C



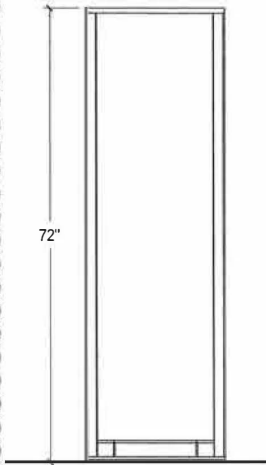
SECTION A - A



FRONT VIEW



SIDE VIEW

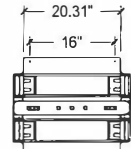


FRONT ELEVATION

PROPOSED 19"
RACK

(4) 1/2"Ø HILTI KWIK TZ
STAINLESS STEEL
ANCHOR W/ 2" MIN.
EMBEDMENT. SPECIAL
INSPECTION REQ. ICC
ESR-1917

EXISTING CONCRETE
SLAB



PLAN VIEW

NOTE: ALL DIMENSIONS
ARE TO BE VERIFIED PER
MANUFACTURERS
SPECIFICATIONS

19" EQUIPMENT RACK

SCALE
N.T.S.

5

DAYTON TSTAT MODEL 4LZ94

2

MANUFACTURER: ERICSSON
MODEL: RBS 6601
DIMENSIONS: 66MMx482MMx350MM (2.6INx18.98INx13.78IN)
WEIGHT: 23.15LBS

- POWER DISTRIBUTION OF -48 VDC TI DIGITAL UNITS
- CLIMATE SYSTEM INCLUDING BUILT-IN FANS AND CONTROL PARTS

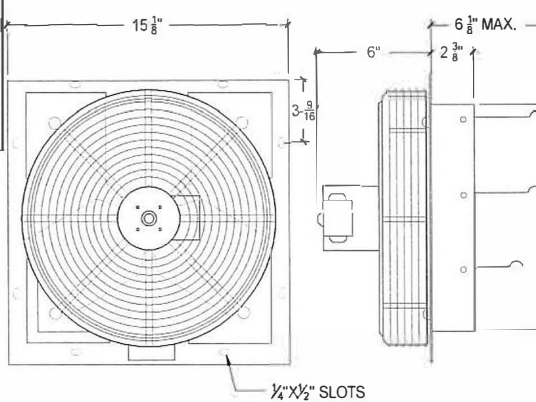
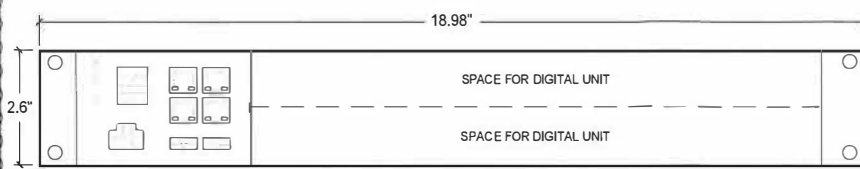
MANUFACTURER: DAYTON
MODEL: 1HLA2

WEIGHT: 12.2 LBS.
HEIGHT: 15-1/8 in.
WIDTH: 15-1/8 in.
DEPTH: 11-29/32 in. MAX.

SQUARE OPENING:
BLADE DIAMETER: 13 in.
12 in.

FAN VOLTAGE: 115 VAC

EXHAUST/SUPPLY FAN
MOTOR HP: 1/20 HP



NOTE: PROGRAMMABLE THERMOSTAT
REQUIRED FOR EXHAUST FAN