



THE CITY OF SAN DIEGO

## Report to the Hearing Officer

DATE ISSUED: September 9, 2020 REPORT NO. HO-20-037

HEARING DATE: September 16, 2020

SUBJECT: T-MOBILE 26<sup>th</sup> & C STREET, Process Three Decision

PROJECT NUMBER: 533580

REFERENCE: The Wireless Ordinance (SDMC 141.0420) was updated effective September 9, 2019 by [Ordinance O-21117 N.S.](#) This project was submitted January 23, 2017 and is subject to the prior version of the ordinance (updated by [Ordinance O-20261 N.S.](#); effective 7-19-2013). All references to SDMC 143.0420 in this staff report are to the 2013 version (Attachment 11).

OWNER/APPLICANT: City of San Diego/T-Mobile

### SUMMARY

Issue: Should the Hearing Officer approve a Wireless Communication Facility (WCF) located within the Public Right-of-Way (ROW) on the northwest corner of 26<sup>th</sup> and C Streets (adjacent to 2580 C Street), located in the Golden Hill Community Planning area?

Staff Recommendation: Approve Conditional Use Permit (CUP) No. 2456778.

Community Planning Group Recommendation: On August 12, 2020, the Golden Hill Community Planning Group voted 8-0-1 to recommend approval of the project (Attachment 9).

Environmental Review: This project was determined to be categorically exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 (Existing Facilities). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on June 19, 2020 and the opportunity to appeal that determination ended July 3, 2020 (Attachment 8).

## BACKGROUND

T-Mobile is proposing to continue to operate and obtain a new entitlement for a (WCF), located on the northwest corner of 26<sup>th</sup> and C Streets in the RM-1-2 zone of the Golden Hill Community Planning Area. Land uses surrounding the project site include single and multi-unit residential uses (Attachments 1, 2, 3).

The WCF was originally approved under Project No. 117774, a Neighborhood Use Permit (NUP) a process 2 approval, in July of 2007 and the project expired in July of 2017. The original design is reminiscent of the existing decorative streetlight poles seen throughout the Golden Hill community. The pole is 30 feet tall and does not include a light, which is a condition of the planning group at that time, to support the project. In order to accommodate the cables associated with the three panel antennas concealed within the pole and the ornamental design, the resulting pole was significantly larger in diameter than the other decorative poles in the neighborhood. The majority of associated equipment is located in a subterranean vault with remaining cabinets above ground, adjacent to the pole. The current design proposes to replace the decorative pole with a typical city streetlight standard. Three panel antennas will be mounted on the outside of the pole, below the mast arm and chin straps will be added to conceal the cables going from the antennas into the pole. Minor changes to the equipment area are also included with this project.



## DISCUSSION

T-Mobile is proposing to replace the existing 32-inch diameter decorative pole with a 30-foot tall standard city streetlight that will support three panel antennas including chin covers to conceal cables from the antennas going into the pole. The new permit will allow T-Mobile to continue service in the area with upgraded technology.

Council Policy 600-43 (Wireless Communication Facilities) assigns preference levels to WCFs proposed on different land uses, with Preference 1 being the highest and Preference 4 the lowest.

WCFs in the ROW adjacent to residential uses with all equipment underground, typically would require an NUP, although the ROW remains a higher preference location, the project requires a CUP pursuant to LDC Section 141.0420 (e)(3) due to the above ground equipment consisting of a strong box and air vent pipes.

### Community Plan Analysis

The Golden Hill Community Plan is silent on WCFs, but references the City of San Diego General Plan, Urban Design Element (UD-A.15). The Plan recommends that the visual impact of WCFs should be minimized by concealing them in existing structures or using camouflage and screening techniques to hide or blend them into the surrounding area. Facilities should be designed to be aesthetically pleasing and respectful of the neighborhood context. Equipment associated with the WCF should be located in underground vaults or unobtrusive structures. The project, as proposed, will greatly reduce the prominence of the WCF due to the size difference between the existing decorative pole and the new standard city streetlight pole. The antennas will be visible, but minimally, since they will be painted to match the pole and chin covers will conceal the associated cables. The majority of the equipment will remain in the subterranean vault.

The Community Planning Group did not support the existing decorative pole design, which they consider a visual impact. The group worked with T-Mobile to develop a more traditional streetlight design with the antennas attached to the outside of the pole. T-Mobile was able to modify the design to accommodate their recommendation and at their meeting on August 12, 2020, the Group recommended approval of the proposal.

### **Conclusion:**

Based on the design and location, the project complies with the WCF Regulations (San Diego Municipal Code 141.0420). Staff has prepared draft findings in the affirmative to approve the project and recommends approval of Conditional Use Permit No. 2456778 (Attachment 5).

### ALTERNATIVES

1. Approve Conditional Use Permit No. 2456778, with modifications.
2. Deny Conditional Use Permit No. 2456778, if the Hearing Officer makes written findings based on substantial evidence that the approval is not authorized by state or local zoning law.

Respectfully submitted,

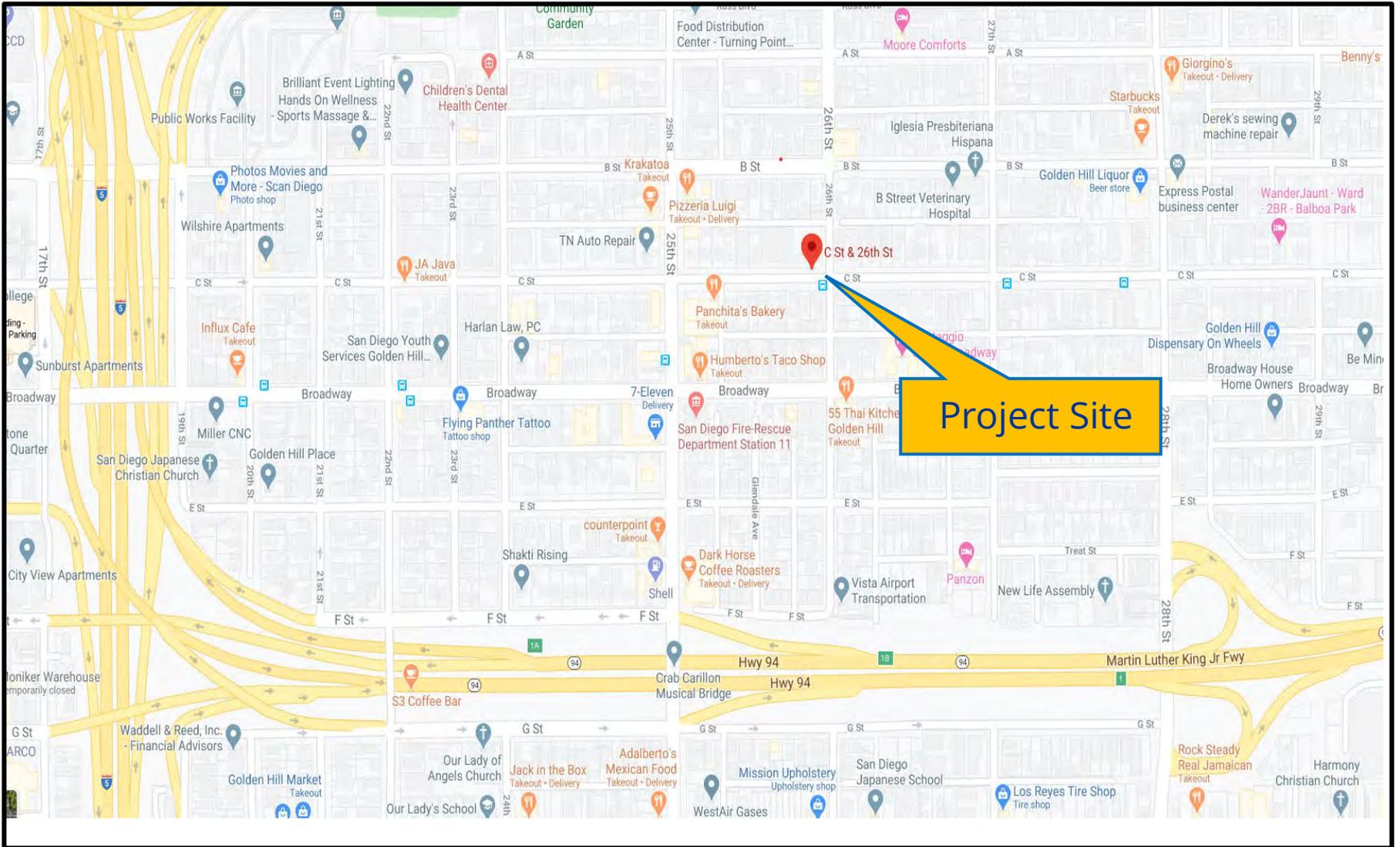


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Nilia Safi, Development Project Manager

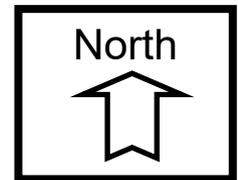
Attachments:

1. Project Location Map
2. Community Plan Land Use
3. Aerial Photograph
4. Project Data Sheet
5. Draft Resolution with Findings
6. Draft Permit with Conditions
7. Coverage Map
8. Environmental Exemption
9. Community Planning Group Recommendation
10. Photo Survey
11. Copy of Old Code Prior to 9/9/2019
12. Photo Simulations
13. Project Plans

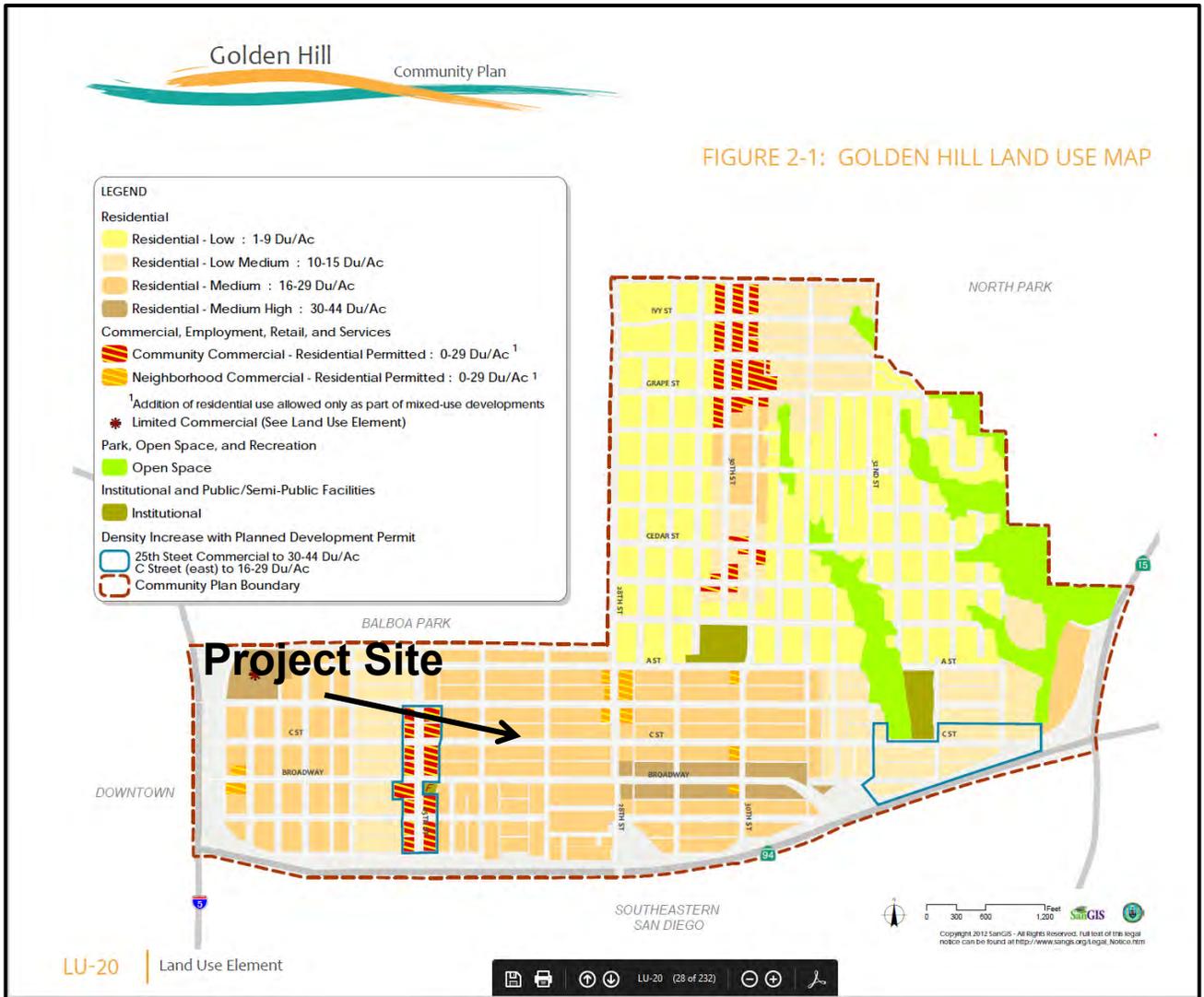


## Project Location Map

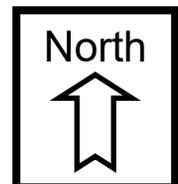
T-Mobile 26<sup>th</sup> & C Street  
PROJECT NO. 533580

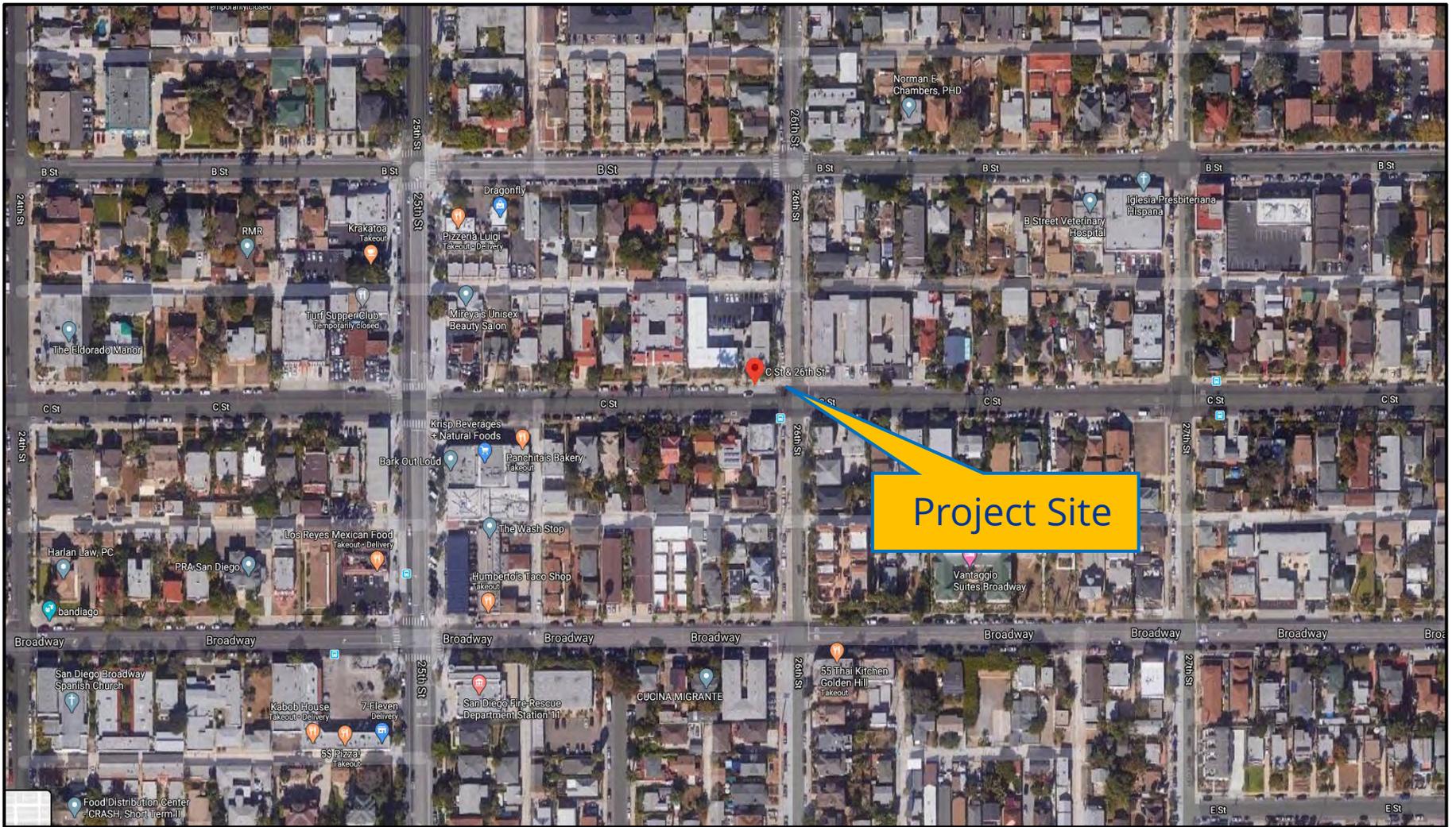


# Golden Hill Community Plan



**Land Use Map**  
 T-Mobile / 26<sup>th</sup> & C Street  
 PROJECT NO. 533580

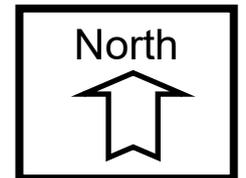




Project Site



**Aerial Photo**  
T-Mobile / 26<sup>th</sup> & C Street  
PROJECT NO. 533580



# PROJECT DATA SHEET

<b>PROJECT NAME:</b>	T- Mobile 26 <sup>th</sup> and C Street	
<b>PROJECT DESCRIPTION:</b>	Replacement of a decorative pole with a new 30' standard street light supporting three panel antennas with the majority of associated equipment located in a subterranean vault, adjacent to the pole.	
<b>COMMUNITY PLAN AREA:</b>	Golden Hill	
<b>DISCRETIONARY ACTIONS:</b>	Conditional Use Permit (CUP)	
<b>COMMUNITY PLAN LAND USE DESIGNATION:</b>	Residential Medium; 16-29 Du/Ac	
<b>ZONING INFORMATION:</b>		
<p style="text-align: center;"> <b>ZONE:</b> RM-1-2  <b>HEIGHT LIMIT:</b> 30-Feet  <b>LOT SIZE:</b> N/A    <b>FRONT SETBACK:</b>    N/A  <b>SIDE SETBACK:</b> N/A  <b>STREETSIDE SETBACK:</b> N/A  <b>REAR SETBACK:</b> N/A </p>		
<b>ADJACENT PROPERTIES:</b>	<b>LAND USE DESIGNATION &amp; ZONE</b>	<b>EXISTING LAND USE</b>
<b>NORTH:</b>	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
<b>SOUTH:</b>	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
<b>EAST:</b>	RM-2-5; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
<b>WEST:</b>	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
<b>DEVIATION REQUESTED:</b>	None	
<b>COMMUNITY PLANNING GROUP RECOMMENDATION:</b>	On August 12, 2020, the Golden Hill Planning Group voted 8-0-1 to recommend approval without conditions.	

**HEARING OFFICER,  
RESOLUTION NO. \_\_\_\_\_  
CONDITIONAL USE PERMIT NO. 2456778  
T-MOBILE 26<sup>TH</sup> & C STREET NO. 533580**

WHEREAS, CITY OF SAN DIEGO, Owner and T-MOBILE WEST, LLC, Permittee, filed an application with the City of San Diego for a permit for a Wireless Communication Facility (WCF) (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No. 2456778) within the public-right-of-way;

WHEREAS, the project site is located on the northwest corner of 26<sup>th</sup> and C Streets in the RM-1-2 zone of the Golden Hill Community Planning area;

WHEREAS, on June 19, 2020, 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 15301 (Existing Facilities) 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 September 16, 2020, the Hearing Officer of the City of San Diego considered Conditional Use Permit No. 2456778, pursuant to the Land Development Code of the City of San Diego; NOW, THEREFORE,

BE IT RESOLVED by the Hearing Officer of the City of San Diego, that it adopts the following findings with respect to Conditional Use Permit No. 2456778:

**CONDITIONAL USE PERMIT SDMC Section 126.0305**

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

The project proposes the continued operation of a T-Mobile Wireless Communication Facility (WCF) located in the Public Right-of-Way (ROW) on the northwest corner of 26<sup>th</sup> and C Streets within the Golden Hill Community Planning area. The existing 30-foot tall, 32-inch diameter decorative pole concealing three antennas and associated components will be removed. In its place, T-Mobile will install a 30-foot-tall standard City light pole that will support three new antennas with chin covers to conceal the cables. The project was originally approved by staff on July 31, 2007, and the permit expired on July 31, 2017.

The Golden Hill Community Plan is silent on WCFs, and refers to the City of San Diego General Plan, Urban Design Element (UD-A.15), which requires that the visual impact of WCFs be minimized by concealing wireless facilities inside existing structures or using screening techniques to 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 characteristics through concealment of the associated equipment. Removal of the existing pole significantly reduces the visual impact of the current WCF in this location by scaling down the bulk of the pole by replacing it with a typical city light pole. Decorative acorn light poles as well as standard City light poles are located throughout Golden Hill so the new light pole will integrate into the community.

Pursuant to the San Diego Land Development Code, WCFs are permitted in all zones citywide with the appropriate permit process. WCFs are separately regulated uses, which have limitations or required compliance with conditions in order to minimize potential impacts. The intent of the regulations is to camouflage facilities from public view. In this case, the panel antennas will be mounted to the new light pole and painted to match. The addition of chin covers ensures that the cables between the antennas and pole are concealed, which will reduce any potential visual impacts. The majority of equipment is located within a subterranean vault with other small cabinets located adjacent to the pole on the ground. Pursuant to Land Development Code (LDC) Section 141.0420(e)(3) the project consists of a WCF within the Public Right-of-Way (ROW), which requires a Conditional Use Permit (CUP), Process 3, Hearing Officer decision.

As a result, the project complies with San Diego Municipal Code (SDMC) Section 141.0420, Wireless Communication Facilities, the WCF Design Guidelines, as well as the Golden Hills Community Plan and the City's General Plan. The proposed development would not adversely affect the Golden Hill Community Plan or the City of San Diego General Plan and Progress Guide.

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

The project is located on the northwest corner of 26<sup>th</sup> and C Streets in the Golden Hill Community Planning area. It consists of the removal of a 30-foot-tall, 32-inch diameter decorative pole and replacement with a 30-foot-tall standard city light pole. Three antennas with chin covers will be mounted to the top of the pole underneath the mast arm. The majority of equipment is located within a subterranean vault and the remaining small cabinets are located adjacent to the pole on the ground.

The project was determined to be exempt from CEQA pursuant to Section 15301 (Existing Facilities). 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 to include but not limited to height limitation, concealment requirements, and electromagnetic fields controls. 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 Telecommunication 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) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions." An Electromagnetic Energy Exposure Report was prepared, which concluded that the project will comply with FCC standards for RF emissions. Therefore, the project will not result in any significant health or safety risks to the surrounding area within matters of the City's jurisdiction.

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

The project site is located within the RM-1-2 zone of the Golden Hill Community Plan. The project meets all applicable requirements of this zone. The WCF Regulations (SDMC 141.0420) contain design requirements for WCFs, which include the requirement to utilize the smallest, least visually intrusive antennas, components and other necessary equipment and to use all reasonable means to conceal or minimize the visual impacts of the wireless communication facilities through integration. Integration with existing structures or among other existing uses shall be accomplished through the use of architecture, landscape and siting solutions. The existing WCF, although designed to replicate an acorn light pole (without a light), is significantly larger (taller and wider) than those within the community. The antennas and associated components are concealed within the pole, but the girth alone, is a

visual impact and replacing it with a City light standard and exposed antennas will minimize the prominence in the neighborhood.

The replacement of the pole with a light pole that is almost three times smaller in diameter will minimize the bulk and improve views of the street. T-Mobile will be able to maintain coverage in the neighborhood and by replacing the antennas and some of the equipment, service will be updated and enhanced. Therefore, the project will comply with the regulations of the Land Development Code including any allowable, (no deviation is proposed) deviations pursuant to the Land Development Code.

**4. The proposed use is appropriate at the proposed location.**

The project is located in the Public Right-of-Way (ROW) on the northwest corner of 26<sup>th</sup> and C Streets in the Golden Hill Community Planning area. Golden Hill has a mixture of decorative acorn light poles and standard city light poles throughout the community, even on the same block. The existing decorative pole is significantly larger, both in height and diameter, than the acorn light poles in the community, which results in a noticeable irregularity. Replacing it with a standard city light pole will marginalize the visual impacts. Streetlights are expected to be located within the ROW and the project's visual effect on the surrounding neighborhood and public vantage points will be negligible. This ensures that the proposed project 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 Hearing Officer, Conditional Use Permit No. 2456778 is hereby GRANTED by the Hearing Officer to the referenced Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit No.2456778, a copy of which is attached hereto and made a part hereof.

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Nilia Safi  
Development Project Manager  
Development Services

Adopted on September 16, 2020

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. 2456778**  
**T-MOBILE 26<sup>th</sup> & C STREET PROJECT NO. 533580**  
**HEARING OFFICER**

This Conditional Use Permit No. 2456778 is granted by the Hearing Officer of the City of San Diego to, City of San Diego, Owner, and T-Mobile West, LLC, Permittee, pursuant to San Diego Municipal Code [SDMC] sections 141.0420 and 126.0303. The site is located within the City of San Diego Public Right-of-Way (ROW) on the northwest corner of 26<sup>th</sup> and C Streets in the RM-1-2 zone of the Golden Hill Community Planning area.

Subject to the terms and conditions set forth in this Permit, permission is granted to Permittee for a Wireless Communication Facility (WCF) described and identified by size, dimension, quantity, type, and location on the approved exhibits [Exhibit "A"] dated September 16, 2020, on file in the Development Services Department.

The project shall include:

- a. Removal of the existing 30-foot tall decorative pole and installation of a 30-foot-tall City light standard supporting three panel antennas measuring 56.6" X 12.9" x 8.7". Chin covers will be installed on the antennas to conceal the coax cables and the antennas and the chin covers will be painted to match the pole;
- b. Equipment located in a subterranean vault with associated above ground equipment located adjacent to the pole, as illustrated in the "Exhibit A" dated, September 16, 2020;
- 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 September 30, 2023.
2. The above utilization date notwithstanding, the granting of this discretionary permit does not entitle the continued operation of the existing, expired facility. Within 60 days of permit approval, applications must be made for all required construction permits. Within 90 days of application, all required construction permits must be issued. Within 90 days of permit issuance, final inspection must be obtained.
3. This permit and corresponding use of this site shall **expire on September 30, 2030**. 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.
4. No later than ninety (90) days prior to the expiration of this approval, the 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.
5. Under no circumstances, does approval of this permit authorize the 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.
6. 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.
7. 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.

8. 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 Permittee and any successor(s) in interest.

9. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.

10. Issuance of this Permit by the City of San Diego does not authorize the 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.).

11. The Permittee shall secure all necessary building permits. The 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.

12. 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.

13. 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 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 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.

14. The 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 Permittee of any claim, action, or proceeding and, if the City should fail to cooperate fully in the defense, the 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, 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 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 Permittee shall not be required to pay or perform any settlement unless such settlement is approved by Permittee.

**ENGINEERING REQUIREMENTS:**

15. Prior to the issuance of any construction permit, the Permittee shall obtain a Nonexclusive Right-of-Way Use Agreement from the City of San Diego for the proposed work in the C Street Right-of-Way.
16. Prior to the issuance of any construction permit, the Permittee shall obtain a Public Right-of-Way permit for the proposed work in the C Street and 26th Street Right-of-Way.
17. 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 Part 2 Construction BMP Standards Chapter 4 of the City's Storm Water Standards.

**LANDSCAPE REQUIREMENTS:**

18. The Permittee shall be responsible for the maintenance of all landscape improvements shown on the approved plans, including in the right-of-way, unless long-term maintenance of said landscaping will be the responsibility of another entity approved by the Development Services Department. All required landscape shall be maintained consistent with the Landscape Standards in a disease, weed, and litter free condition at all times. Severe pruning or "topping" of trees is not permitted.
19. If any required landscape (including existing or new plantings, hardscape, landscape features, etc.) indicated on the approved construction documents is damaged or removed during demolition or construction, the Permittee shall repair and/or replace in kind and equivalent size per the approved documents to the satisfaction of the Development Services Department within 30 days of damage or Certificate of Occupancy.

**PLANNING/DESIGN REQUIREMENTS:**

20. 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.
21. No exposed cabling is permitted.
22. The Wireless Communication Facility (WCF) shall conform to the approved exhibits.

23. The Permittee shall install and maintain appropriate warning signage on the WCF as required by State and Federal regulations. The Permittee shall be responsible for complying with all State and Federal regulations.
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, 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 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 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.
28. Final inspection shall not be granted until the final product conforms to the stamped approved plans and approved photo simulation(s).

**INFORMATION ONLY:**

- The issuance of this discretionary permit alone does not allow the immediate commencement or continued operation of the proposed use on site. Any 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.
- Please note that a Telecom Planning Inspection Issues will be placed on the project prior to Final Clearance from the City Building Inspector to ensure compliance with the associated plans and associated conditions. Prior to calling for your final inspection from your building inspection official, please contact the project manager listed below at 619-446-5236 to schedule an inspection of the completed facility. Please schedule the administrative inspection at least five days ahead of the requested Final Inspection date.
- 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 Hearing Officer of the City of San Diego on September 16, 2020.

DRAFT

**ATTACHMENT 6**

Permit Type/PTS Approval No.: CUP No.2456778  
Date of Approval: September 16, 2020

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT

\_\_\_\_\_  
Nilia Safi  
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.

**City of San Diego**  
Owner

By \_\_\_\_\_  
NAME:  
TITLE:

**T-Mobile West, LLC**  
Permittee

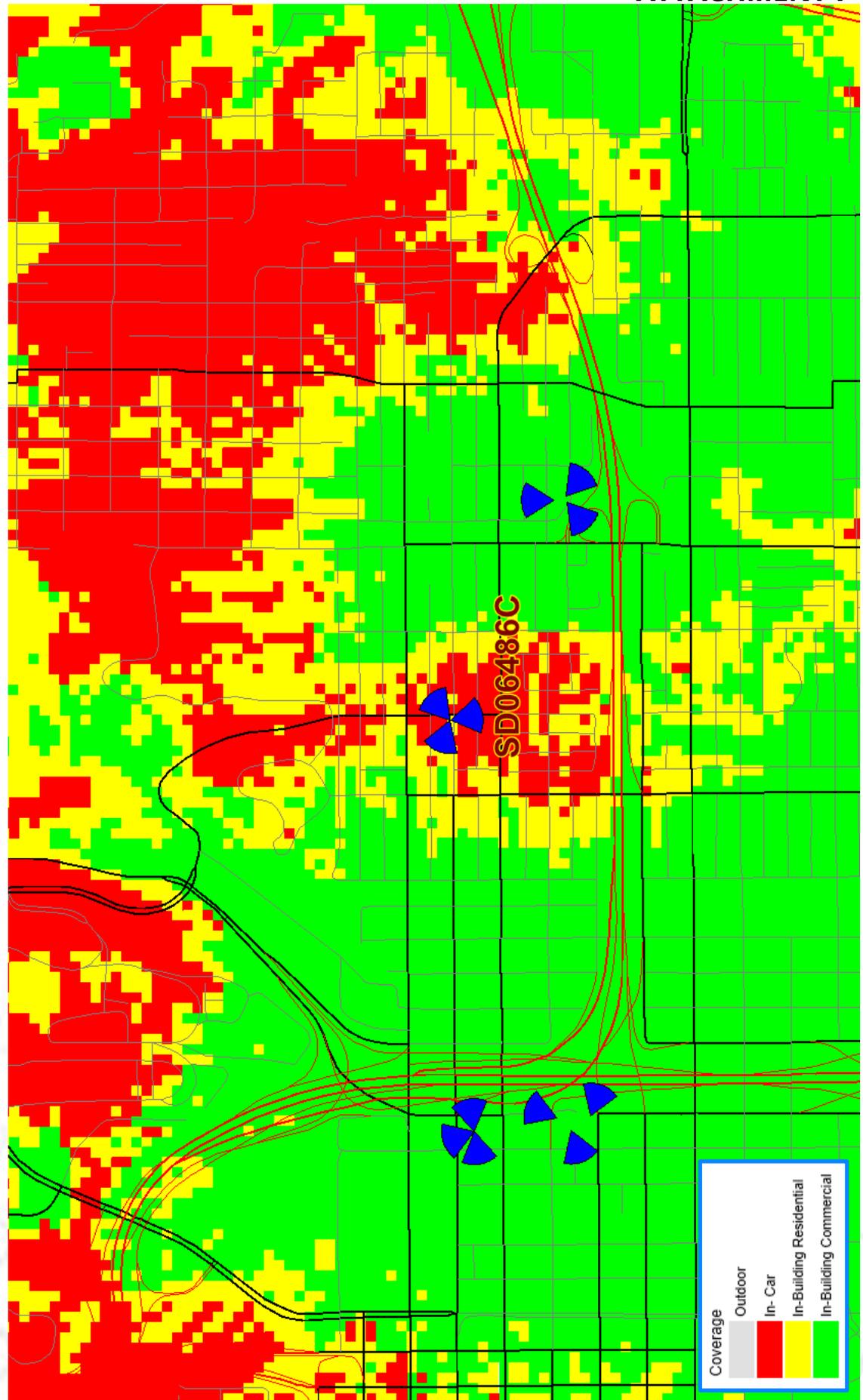
By \_\_\_\_\_  
NAME:  
TITLE:

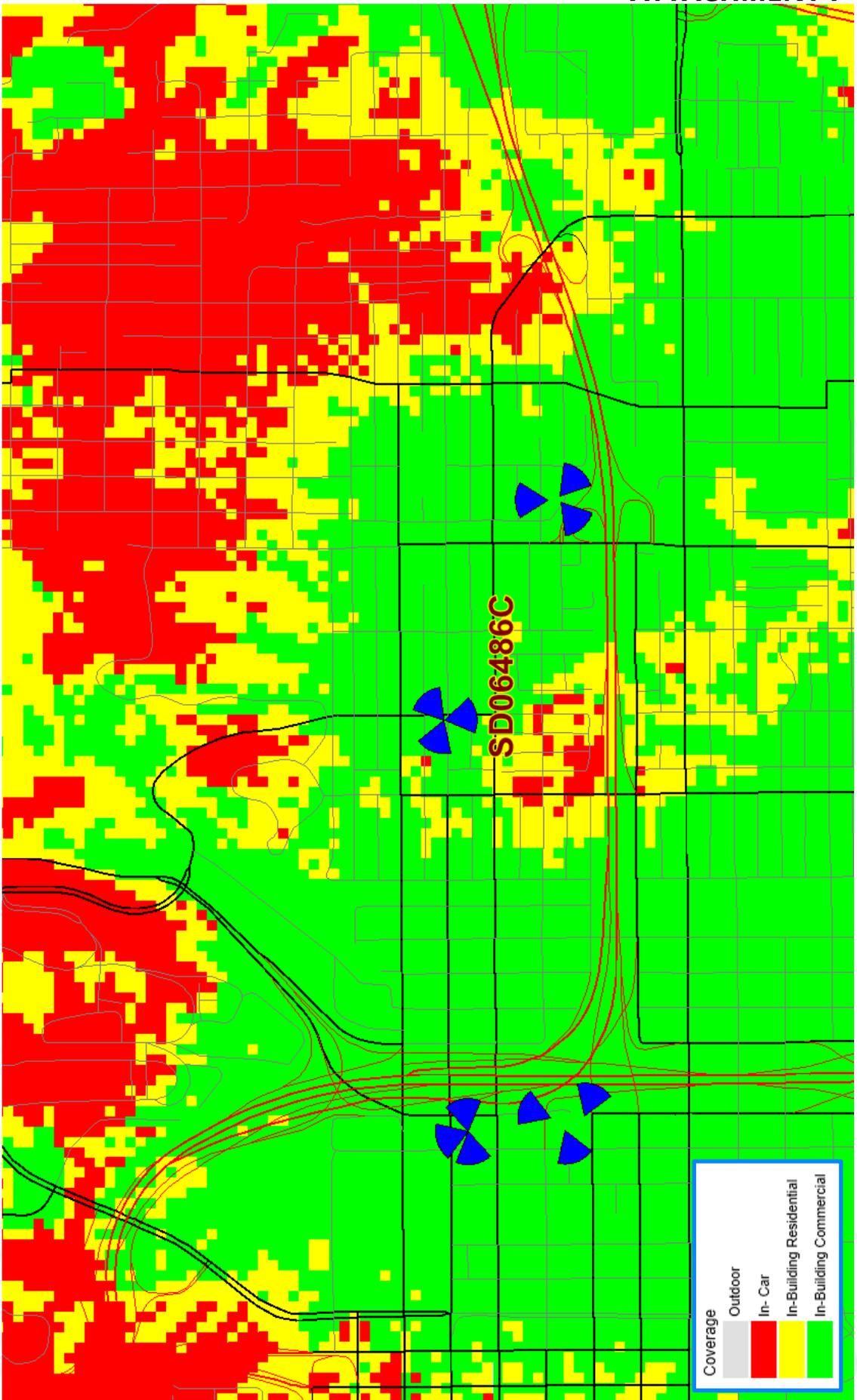
**NOTE: Notary acknowledgments must be attached per Civil Code section 1189 et seq.**

# SD06486C Coverage Maps

RF Team San Diego Market







**NOTICE OF EXEMPTION**

(Check one or both)

TO:  RECORDER/COUNTY CLERK  
P.O. Box 1750, MSA-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.: 533580

Project Title: T-Mobile 26<sup>th</sup> and C Street

PROJECT LOCATION-SPECIFIC: The project is located within the public right of way adjacent to APN 534-280-24 (2580 C Street), San Diego California.

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

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: Neighborhood Use Permit (NUP) for the operation of an existing Wireless Communication Facility (WCF) consisting of three antennas within a decorative streetlight pole. Additional, equipment which supports the WCF is located in an underground vault. No new construction is proposed. The WCF is unmanned and technicians would visit the facility only as required for routine maintenance.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Cisco Miller, SAC Wireless- 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: 15301 (Existing Facilities)
- STATUTORY EXEMPTION:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review and determined that the project would qualify to be categorically exempt from CEQA pursuant to Section 15301 (Existing Facilities). 15301 allows for the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing facilities (public or private), involving negligible or no expansion of use beyond that existing at the time of the determination. Since the project would only allow for the continued operation of a previously approved WCF the exemption was deemed appropriate. The project is located on a developed site and no construction is being proposed and therefore, no environmental impacts were identified and none of the exceptions described in CEQA Guidelines Section 15300.2 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

 / SENIOR PLANNER  
SIGNATURE/TITLE

9/1/2020

DATE

CHECK ONE:

(X) SIGNED BY LEAD AGENCY

DATE RECEIVED FOR FILING WITH COUNTY

CLERK OR OPR:

Page 3		City of San Diego · Information Bulletin 620		May 2020	
		<b>City of San Diego Development Services</b>		<b>Community Planning Committee Distribution Form</b>	
Project Name: T-Mobile 26th & C Street ROW			Project Number: 533580		
Community: Greater Golden Hill					
<p>For project scope and contact information (project manager and applicant), log into OpenDSD at <a href="https://aca.accela.com/SANDIEGO">https://aca.accela.com/SANDIEGO</a>.</p> <p>Select "Search for Project Status" and input the Project Number to access project information.</p>					
<input checked="" type="radio"/> Vote to Approve <input type="checkbox"/> Vote to Approve with Conditions Listed Below <input type="checkbox"/> Vote to Approve with Non-Binding Recommendations Listed Below <input type="checkbox"/> Vote to Deny					
# of Members Yes 8		# of Members No 0		# of Members Abstain 1	
Conditions or Recommendations: Recommendation to support the alternate T-Mobile light pole design at 26th and C Street					
<input type="checkbox"/> No Action (Please specify, e.g., Need further information, Split vote, Lack of quorum, etc.)					
NAME: Kathy Vandenneuvel					
TITLE: Chair				DATE: August 23, 2020	
<i>Attach additional pages if necessary (maximum 3 attachments).</i>					

# SAC Wireless Photo Survey

T-Mobile CUP Project

SD06486C

2591 1/3 C St., San Diego CA 92102

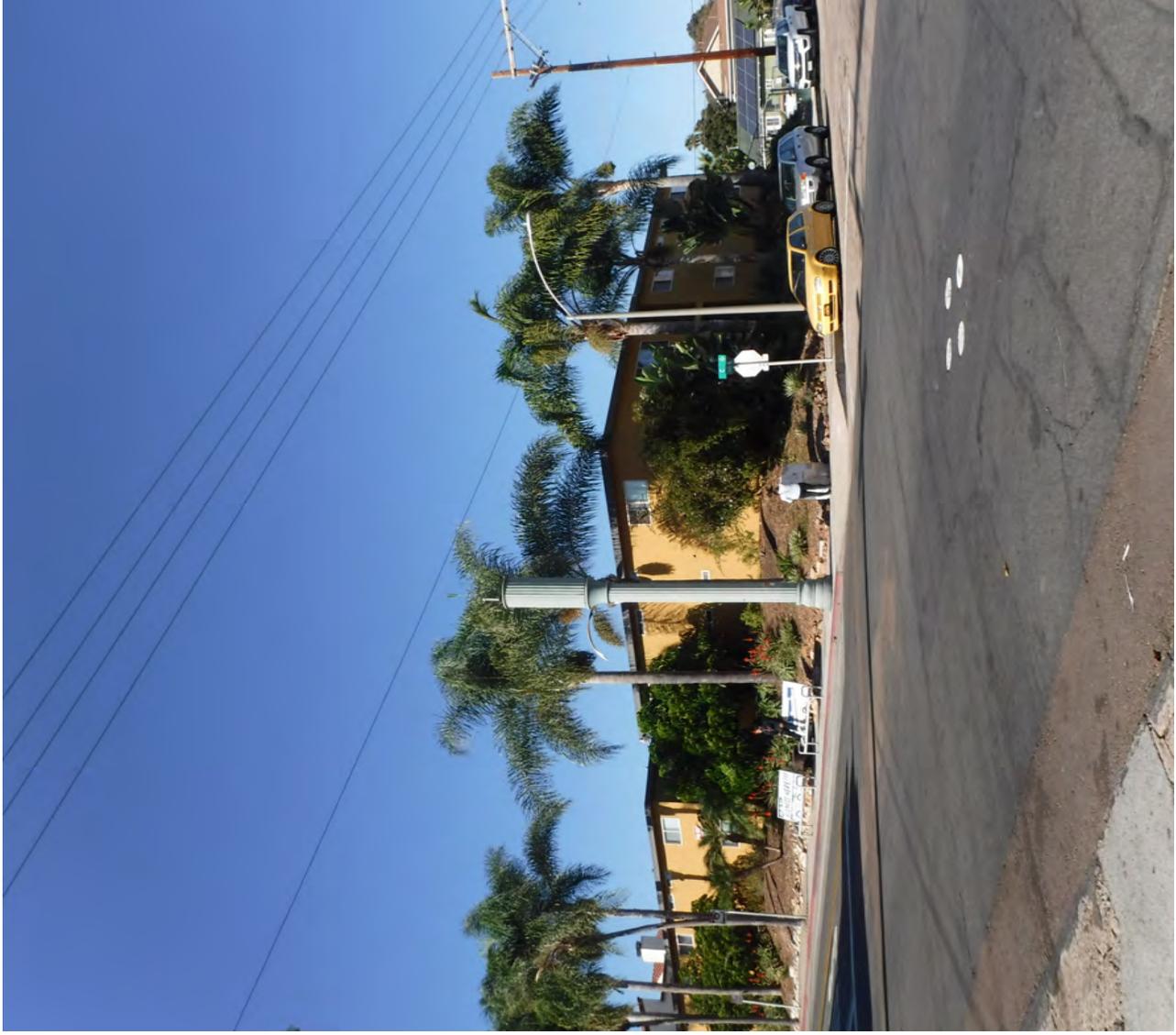
# Aerial View of Site



Antenna  
Sectors

Cabinet  
Enclosure

# 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



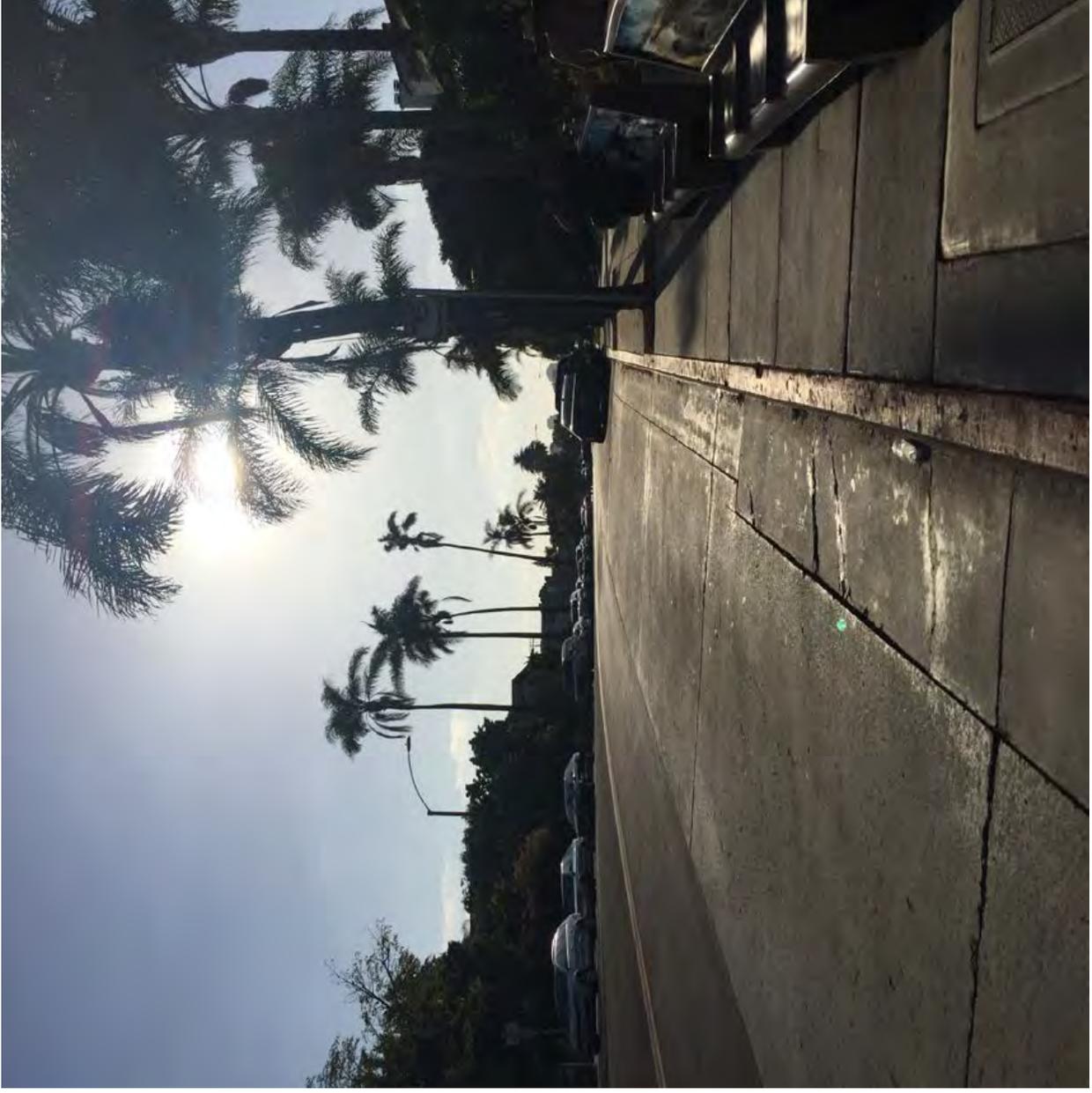
# View From Site to East



View From Site to South



# View From Site to West



**§141.0420 Wireless Communication Facilities**

*Wireless communication facilities* are permitted as a limited use in accordance with Process One in the zones indicated with an “L” in the Use Regulations Tables in Chapter 13, Article 1 (Base Zones), subject to the regulations in Section 141.0420. *Wireless communication facilities* that do not comply with Section 141.0420(c)(1) or are in the zones indicated with an “N” in the Use Regulations Tables in Chapter 13, Article 1 (Base Zones) may also be permitted with a Neighborhood Use Permit, subject to the regulations in Section 141.0420(d). *Wireless communication facilities* may also be permitted with a Conditional Use Permit decided in accordance with Process Three, in the zones indicated with a “C” in the Use Regulations Tables in Chapter 13, Article 1 (Base Zones), except that *wireless communication facilities* in areas described in Section 141.0420(f) may be permitted with a Conditional Use Permit decided in accordance with Process Four, in the zones indicated with a “C” in the Use Regulations Tables in Chapter 13, Article 1 (Base Zones), subject to the following regulations:

- (a) The following uses are exempt from the provisions of Section 141.0420:
  - (1) Amateur (HAM) radio facilities.
  - (2) One single dish *antenna* 24-inches or less in diameter or one remote panel *antenna* 24-inches or less in length and width, except when associated with a *wireless communication facility*.
- (b) General Rules for Wireless Communication Facilities
  - (1) Every application for a permit shall include documentation, satisfactory to the City Manager:
    - (A) That the *wireless communication facility* complies with federal standards for radio frequency radiation in accordance with the Telecommunication Act of 1996 and subsequent amendments and any other requirements imposed by state or federal regulatory agencies, and
    - (B) Describing the location type, capacity, field strength or power density and calculated geographic service of the *wireless communication facility*.
  - (2) *Wireless communication facilities* shall be maintained in a graffiti-free condition.

- (3) Prior to January 31 of every calendar year, each *wireless communication facility* provider shall submit documentation, satisfactory to the City Manager, identifying the location of each *wireless communication facility* in its City of San Diego network. The documentation shall include *wireless communication facilities* that are approved, but not yet built, *wireless communication facilities* that are currently operating and locations containing non-operating *wireless communication facilities*.
  - (4) If the permit(s) for any *wireless communication facility* includes an expiration date, upon expiration of the permit, the facilities and improvements authorized therein shall be removed from the site by the owner of such facilities and improvements, and said owner shall restore the property to its original condition, all at the owner's or permittee's sole cost and expense. In addition, the owner or permittee shall, at its sole cost and expense, remove or replace any *wireless communication facility* if the City Manager determines that the facility or components of the facility are non-operational or no longer used. If the owner or permittee does not remove such facilities and restore the property as required herein, the City may remove the facilities and restore the property at the cost and expense of the owner or permittee, jointly and severally.
  - (5) Coastal Development Permit. Within the coastal overlay zone, the coastal development permit regulations, beginning with Section 126.0701 of the Land Development Code, shall also apply.
- (c) Limited Use Regulations
- (1) *Wireless communication facilities* are permitted as a limited use subject to the following regulations:
    - (A) Except as provided in Section 141.0420(d), *wireless communication facilities* in Industrial Zones.
    - (B) Except as provided in Section 141.0420(d), *wireless communication facilities* in Commercial Zones.

- (C) Collocation of *wireless communication facilities* to existing monopoles that do not increase the area occupied by the *antennas* by more than 100 percent of the originally approved *wireless communication facilities* and do not increase the area occupied by an outdoor equipment enclosure more than 150 square feet beyond the originally approved *wireless communication facilities*.
- (2) *Wireless communication facilities* in the *public right-of-way* within or adjacent to City owned property, dedicated in perpetuity, for park or recreation purposes, may be permitted with a Neighborhood Use Permit.
- (d) Neighborhood Use Permit Regulations
- (1) *Wireless communication facilities* on premises containing residential or mixed uses in a Commercial or Industrial Zone.
- (2) *Wireless communication facilities* on premises containing a non-residential use within a Residential zone where the *antennas* associated with the *wireless communication facility* are located more than 100 feet from the property line of the following primary uses: day care, elementary and middle schools, single or multi-unit residences. The 100 feet shall be measured from the two closest points.
- (3) *Wireless communication facilities* in Agricultural Zones where the *antennas* associated with the *wireless communication facility* are located more than 100 feet from the property line of the following primary uses: day cares, elementary and middle schools, single or multi-unit residences. The 100 feet shall be measured from the two closest points.
- (4) *Wireless communication facilities* proposed in dedicated parkland where the *antennas* associated with the *wireless communication facility* are located more than 100 feet from the property line of the following primary uses: day cares, elementary and middle schools, single or multi-unit residences. The 100 feet shall be measured from the two closest points.

- (e) Conditional Use Permit Regulations (Process Three)
  - (1) *Wireless communication facilities* on *premises* containing a non-residential use within a Residential Zone.
  - (2) *Wireless communication facilities* in Agricultural Zones.
  - (3) *Wireless communication facilities*, with above ground equipment, in the *public right-of-way*.
- (f) Conditional Use Permit Regulations (Process Four)
  - (1) Except as provided in Section 141.0420(d)(4), *wireless communication facilities* proposed in dedicated parkland.
  - (2) Except as provided in Sections 141.0420(d)(2) and 141.0420(e)(1), *wireless communication facilities* proposed in Residential Zones.
  - (3) *Wireless communication facilities* proposed in Open Space Zones.
- (g) Design Requirements

The following regulations apply to all *wireless communication facilities*:

- (1) *Wireless communication facilities* shall utilize the smallest, least visually intrusive *antennas*, components and other necessary equipment.
- (2) The applicant shall use all reasonable means to conceal or minimize the visual impacts of the *wireless communication facilities* through integration. Integration with existing *structures* or among other existing uses shall be accomplished through the use of architecture, landscape and siting solutions.
- (3) The *wireless communication facility's* equipment shall be located within an existing building envelope, whenever possible. If a new equipment enclosure is necessary, it shall be of a height minimally necessary to accommodate the equipment, not to exceed 250 square feet, unless a Process Two Neighborhood Development Permit is granted in accordance with Section 126.0402.
- (4) Overhead wires connecting the *antennas* to the equipment are not permitted.

- (5) Equipment located on the roof of an existing *structure* shall be set back or located to minimize visibility, especially from the *public right-of-way* or public places.
- (6) Faux landscaping may be used on *premises* where natural vegetation similar in size and species exist or where landscaping similar in size and species is proposed as part of the *development*. The *applicant* shall provide sufficient samples, models or other means to demonstrate the quality, appearance, and durability of the faux vegetation.
- (7) If trees with a trunk width of 4 inches or more (measured by caliper, 4 feet above grade) are removed or significantly trimmed for the installation or operation of the *wireless communication facility*, then replacement trees of a similar size shall be planted to the satisfaction of the City Manager.
- (8) Panel *antennas* shall be mounted no more than 12 inches away from a *building façade* and shall appear as an integral part of the building, except as set forth in Section 141.0420(h). Panel *antennas* may be mounted up to 18 inches away from a *building façade* when the *applicant* provides evidence demonstrating that the *wireless communication facility* cannot operate without incorporating a tilt greater than 12 inches. Each panel *antenna* shall fit into the design of an existing *façade* and shall be no longer nor wider than the portion of the *façade* upon which it is mounted. The *antennas* shall not interrupt the architectural lines of the *façade*. Associated mounting brackets and coaxial cable shall be concealed from view. Any pipes or similar apparatus used to attach panel *antennas* to a *building façade* shall not extend beyond the length or width of the panel *antenna*. No exposed mounting apparatus shall remain on a *building façade* without the associated *antennas*.
- (9) Vertical elements, designed as flagpoles or light standards, shall replicate the design, diameter and proportion of the vertical element they are intending to imitate. Flagpoles shall maintain a tapered design.

(h) *Public Right-of-Way Installations*

*Wireless communication facilities* may be installed in the *public right-of-way* in the area between the face of the curb and the adjacent property line.

*Wireless communication facilities* located in the *public right-of-way* are subject to Chapter 6, Article 2, and the following regulations:

- (1) All equipment associated with *wireless communication facilities* shall be undergrounded, except for small service connection boxes or as permitted in Section 141.0420(e)(3).
- (2) Panel *antennas* shall be vertically mounted to the pole in compliance with any applicable separation requirements and shall not exceed 6 inches in distance from the pole.
- (3) No more than four panel *antennas* or two omni-directional *antennas* shall be mounted on any utility pole by any one *wireless communication facilities* provider.
- (4) *Antennas* shall be painted to match the color of the surface of the pole on which they are attached.

(i) *Park Site Installations*

In addition to the design guidelines set forth in Section 141.0420(g), the following design requirements apply to *wireless communication facilities* in city parks.

- (1) Where practicable, *antennas* shall be mounted on sports field light poles, security light poles, or inside foul line poles or flagpoles. *Antennas* shall not be mounted above the light source on any light poles. All *antennas* on flagpoles or foul line poles shall be concealed within the pole.

- (2) If the proposed *wireless communication facility* would be located on city-owned property that has been formally dedicated in perpetuity by ordinance for park, recreation, or cemetery purposes, equipment enclosures shall be placed underground unless the Park and Recreation Director determines that an above-ground equipment enclosure would not violate Charter section 55 and a Process Two Neighborhood Development Permit is granted in accordance with Section 126.0402.

*(“Wireless Communication Facilities” added 8-10-2004 by O-19308 N.S.; effective 4-11-2007.)*

*(Amended 5-3-2005 by O-19369 N.S.; effective 4-11-2007.)*

*(Amended 9-29-2006 by O-19545 N.S.; effective 4-11-2007.)*

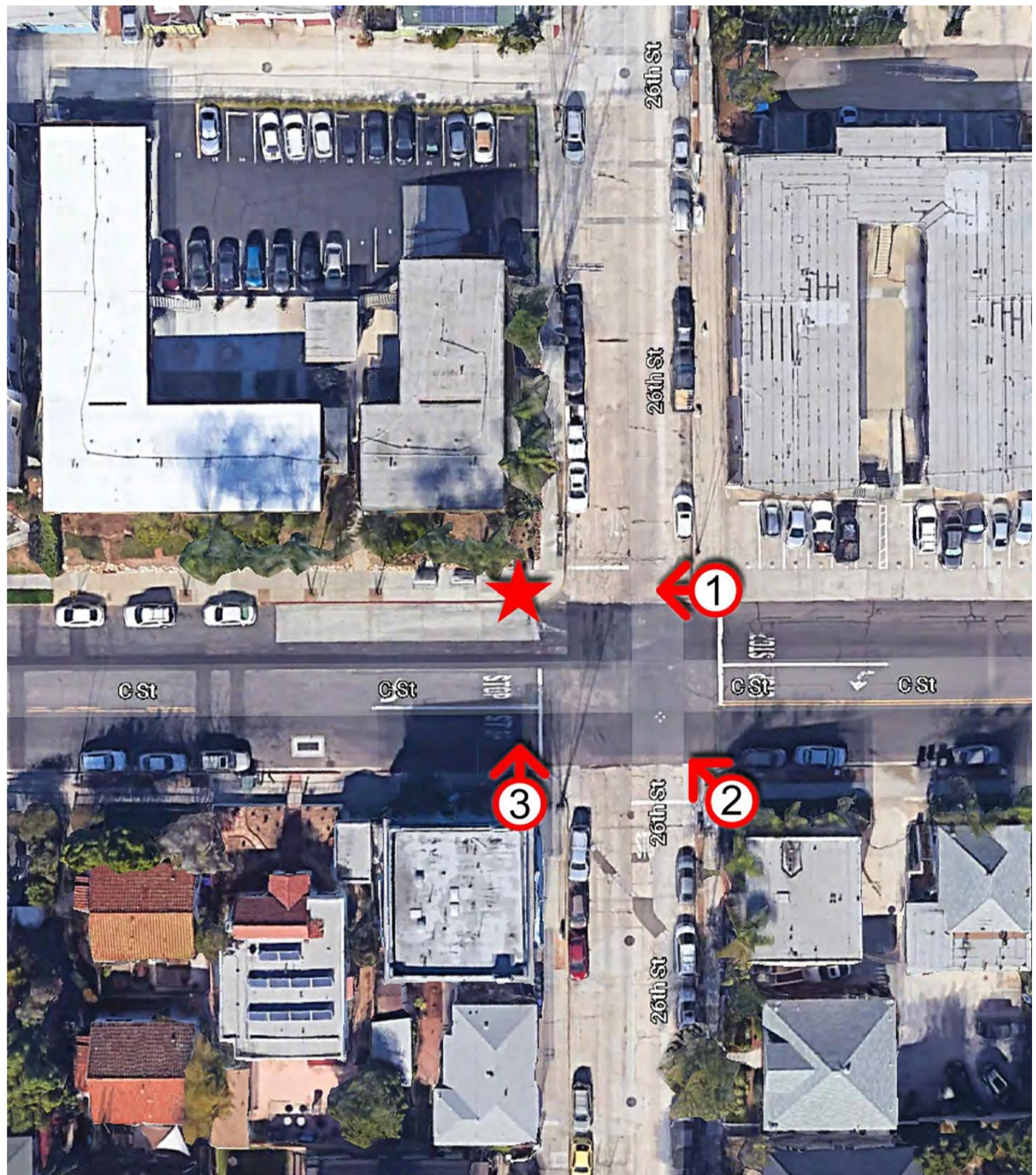
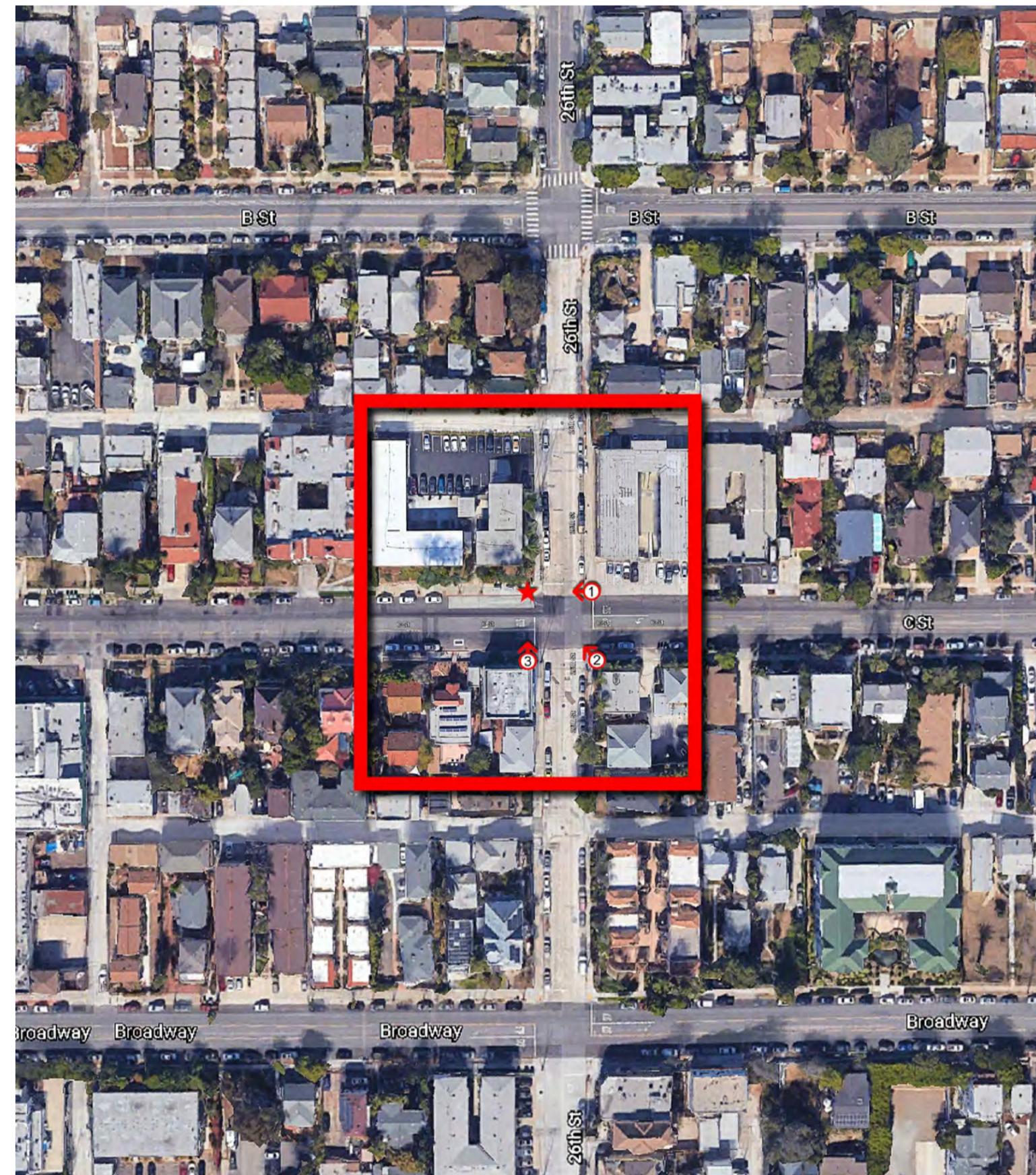
*(Amended 6-18-2013 by O-20261 N.S.; effective 7-19-2013.)*

# VICINITY MAP

## PHOTOSIMULATION VIEWPOINTS



L1900  
SD06486C  
26TH & C STREET ROW  
2598 1/3 C STREET  
SAN DIEGO, CA 92102  
CITY OF SAN DIEGO



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

**PHOTOSIMULATION VIEWPOINT 1**

**EXISTING**

NOTE:  
EXISTING T-MOBILE EQUIPMENT MOUNTED WITHIN  
EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TWIN TMA  
(6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)  
TO BE REMOVED

EXISTING RF TRANSPARENT RADOME  
TO BE REMOVED

EXISTING T-MOBILE PANEL ANTENNA  
MOUNTED WITHIN EXISTING RADOME  
(3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)  
TO BE REMOVED

EXISTING DECORATIVE POLE AND BASE  
TO BE REMOVED

**NEW**

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

PROPOSED T-MOBILE CHINSTRAPS

PROPOSED VALMONT LIGHTPOST OR  
APPROVED EQUAL (1) TOTAL

**PHOTOSIMULATION VIEWPOINT 2**

**EXISTING**

NOTE:  
EXISTING T-MOBILE EQUIPMENT MOUNTED WITHIN  
EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TWIN TMA  
(6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)  
TO BE REMOVED

EXISTING RF TRANSPARENT RADOME  
TO BE REMOVED

EXISTING T-MOBILE PANEL ANTENNA  
MOUNTED WITHIN EXISTING RADOME  
(3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)  
TO BE REMOVED

EXISTING DECORATIVE POLE AND BASE  
TO BE REMOVED

**NEW**

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

PROPOSED T-MOBILE CHINSTRAPS

PROPOSED VALMONT LIGHTPOST OR  
APPROVED EQUAL (1) TOTAL

**PHOTOSIMULATION VIEWPOINT 3**

**EXISTING**

NOTE:  
EXISTING T-MOBILE EQUIPMENT MOUNTED WITHIN  
EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

- EXISTING T-MOBILE TWIN TMA  
(6) TOTAL, (2) PER SECTOR (TYP. ALL SECTORS)  
**TO BE REMOVED**

EXISTING RF TRANSPARENT RADOME  
TO BE REMOVED

EXISTING T-MOBILE PANEL ANTENNA  
MOUNTED WITHIN EXISTING RADOME  
(3) TOTAL, (1) PER SECTOR (TYP. ALL SECTORS)  
TO BE REMOVED

EXISTING DECORATIVE POLE AND BASE  
TO BE REMOVED

**NEW**

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

PROPOSED T-MOBILE CHINSTRAPS

PROPOSED VALMONT LIGHTPOST OR  
APPROVED EQUAL (1) TOTAL



# T-Mobile

**SITE NUMBER: SD06486C**  
**SITE NAME: 26TH & C STREET ROW**  
**ADDRESS: 2598 1/3 C STREET**  
**SAN DIEGO, CA 92102**  
**JURISDICTION: CITY OF SAN DIEGO**  
**PROJECT: L1900**

**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.

**SPECIAL INSPECTIONS - 2016 CBC CHAP. 17**

ITEM	MATERIAL	REQUIRED	2016 CBC	STANDARDS
CABINET ANCHORAGE (8/A-7.0)	HILTI KWIK BOLT TZ STAINLESS STEEL	PERIODIC BASIS	1705.3 ITEM 4	ICC ESR-1917 SECTION 4.4 ACI 318: 17.8.2.4, 17.8.2
LIGHTPOST FOUNDATION (3/A-7.1)	CONCRETE	PERIODIC BASIS	SECTION 1705.3 ITEM: 1, 3, 6, 7, 8, 12	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3; ACI 318: 17.8.2, ASTM C172, ASTM C31, ACI 318: 26.4.581 26.12; ACI 318: 26.4.7-26.4.9; ACI 318: 26.10.1(b)

**PROJECT INFORMATION**

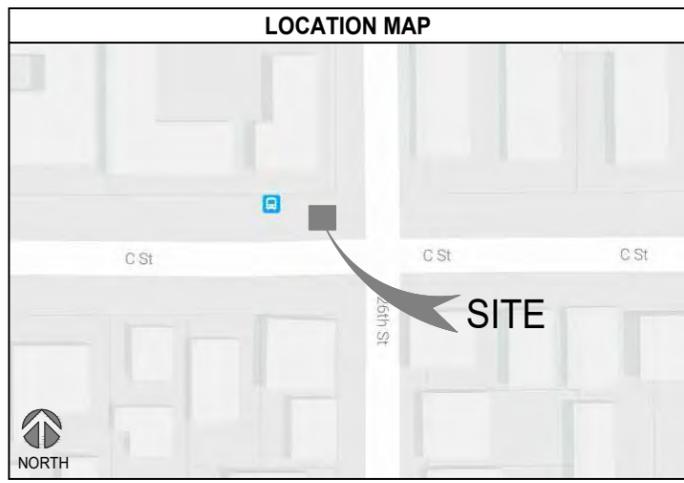
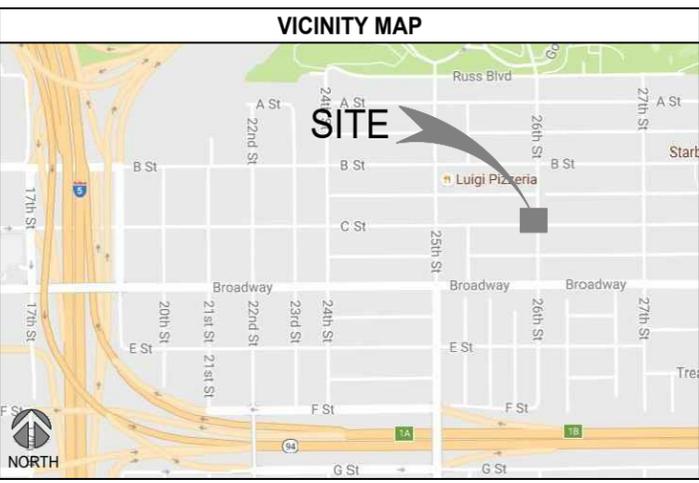
**SITE NAME:** 26TH & C STREET ROW  
**SITE NUMBER:** SD06486C  
**SITE ADDRESS:** 2598 1/3 C STREET, SAN DIEGO, CA 92102  
**JURISDICTION:** CITY OF SAN DIEGO  
**COUNTRY OF:** SAN DIEGO

**LATITUDE:** 32.71687222°N  
**LONGITUDE:** 117.13817500°W  
**CONSTRUCTION TYPE:** N/A  
**A.P.N.:** ADJACENT TO 534-280-24  
**ZONING CLASSIFICATION:** RM-1-2  
**PROPOSED USE:** UNMANNED TELECOMMUNICATION FACILITY

**PROPERTY OWNER:** CITY OF SAN DIEGO, 1200 THIRD AVENUE, SUITE 1700, SAN DIEGO, CA 92104, VLADOR BALOTSKY, (619) 238-5248

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

**APPLICANT:** SAC WIRELESS ON BEHALF OF T-MOBILE, DAIL RICHARD, (858) 200-6541, dail.richard@sacw.com



**DRAWING INDEX**

SHEET	DESCRIPTION
T-1.0	TITLE SHEET
T-2.0	GENERAL NOTES
T-3.0	ABBREVIATIONS, REFERENCED DOCUMENTS, LEGEND & SIGNAGE
T-4.0	PHOTO SIMULATIONS
A-1.0	OVERALL SITE PLAN
A-2.0	EXISTING ENLARGED SITE PLAN
A-2.1	PROPOSED ENLARGED SITE PLAN
A-3.0	EXISTING & PROPOSED ANTENNA PLANS & SCHEDULES
A-3.1	ANTENNA MOUNTING DETAIL
A-4.0	EXISTING & PROPOSED EQUIPMENT PLANS, & EXISTING BATTERY CALCULATIONS
A-5.0	EXISTING & PROPOSED EAST ELEVATIONS
A-6.0	EXISTING & PROPOSED SOUTH ELEVATIONS
A-7.0	EQUIPMENT DETAILS & SPECIFICATIONS
A-7.1	EQUIPMENT DETAILS & SPECIFICATIONS
G-1.0	SCHEMATIC GROUNDING PLANS, NOTES & DETAILS
RF-1.0	EQUIPMENT CONFIGURATION
S-1.0	VALMONT STRUCTURES SPECIFICATIONS

**REVISIONS**

REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
1	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
3	01/08/19	CITY COMMENTS	JP
4	02/07/19	CITY COMMENTS	AR
5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS

**SCOPE OF WORK**

T-MOBILE PROPOSES TO:

- REMOVE (3) EXISTING PANEL ANTENNAS
- INSTALL (3) NEW AIR PANEL ANTENNAS
- REMOVE (6) EXISTING TWIN TMA's
- REMOVE (1) DECORATIVE POLE
- REMOVE (1) PBC 6500 BATTERY CABINET
- REMOVE EXISTING COAX CABLE
- INSTALL (1) NEW LIGHT POST
- INSTALL (1) 6x12 HCS CABLE
- SWAP DUS WITH BB5216 INSIDE EXISTING EQUIPMENT CABINET
- INSTALL (1) PBC 6200 BATTERY CABINET
- PROPOSED TRENCHING FOR NEW LOCATION
- PROPOSED CUSTOM ANTENNA MOUNTS
- PROPOSED POWER FOR LIGHT FIXTURE
- NO NEW BATTERIES TO BE ADDED
- PROJECT VALUATION: \$75,000

**LEGAL DESCRIPTION**

CITY OF SAN DIEGO RIGHT-OF-WAY ON THE NORTH SIDE OF C STREET, EAST OF 26TH STREET, ADJACENT TO PARCEL NUMBER 534-280-24 (2576 C STREET)

**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.

**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: \_\_\_\_\_

**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

**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

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

**PLANNING/ZONING CONSULTANT:** SAC WIRELESS, DAIL RICHARD, 5015 SHOREHAM PLACE, STE 150, SAN DIEGO, CA 92122, PHONE: (858) 200-6541, EMAIL: dail.richard@sacw.com

**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
- SLIGHT RIGHT ONTO THE INTERSTAE 805 S RAMP
- USE THE RIGHT 2 LANES TO TAKE EXIT 14 TO MERGE ONTO CA-15 S TOWARD CA-94 W/ M L KING JR FWY
- TAKE EXIT 2B TO MERGE ONTO CA-94 W/ MARIN LUTHER KING JR FWY
- TAKE EXIT 1C FOR 28TH ST
- TURN RIGHT ONTO 28TH ST
- TURN LEFT ONTO C ST

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



L1900  
 26TH & C STREET ROW  
 SD06486C  
 2598 1/3 C STREET  
 SAN DIEGO, CA 92102

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T-1.0**

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REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
△	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
△	01/08/19	CITY COMMENTS	JP
△	02/07/19	CITY COMMENTS	AR
△	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
△	04/24/20	CITY COMMENTS	AS



L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
  
GENERAL NOTES

SHEET NUMBER  
  
T-2.0

**GENERAL NOTES:**

- 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.
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
- 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 DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 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.
- 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 DRAWINGS. OWNER PROVIDED MATERIALS WILL INCLUDE THE FOLLOWING, UNLESS NOTED OTHERWISE:
  - TRANSMITTER
  - RF FILTER
  - MFTS RACKS
  - AUXILIARY EQUIPMENT IN MFTS RACK
  - PUMP ASSEMBLY
  - HEAT EXCHANGE
  - HOSE AND HOSE MANIFOLD (ANY COPPER OR STEEL SECTION PROVIDED BY CONTRACTOR)
  - UHF ANTENNA AND MOUNTING BRACKET, GPS ANTENNA AND KU ANTENNAS
  - UHF COAX AND HANGERS
  - 480-208 & 208-400 ELECTRICAL TRANSFORMER
  - AUTOMATIC TRANSFER SWITCH AND GENERATOR
  - EQUIPMENT SHELTER (SHELTER FURNISH IN FACTORY W/HVAC EQUIPMENT AND ELECTRICAL DISTRIBUTION PANEL)
  - INTEGRATED LOAD CENTER
  - ANTENNAS, RADIOS & CABLES
- 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.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SUPERINTENDENT OF THE BUILDING & GROUNDS & SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
- 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.
- INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACE, EQUIPMENT, IMPROVEMENTS, PIPING, ETC. AND IMMEDIATELY REPAIR ANY DAMAGE THAT OCCURS DURING CONSTRUCTION.
- 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.
- REPAIR ALL EXISTING WALL SURFACE DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACE.
- SEAL PENETRATION THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
- 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.
- MINIMUM BEND RADIUS OF ANTENNA CABLE SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURER'S RECOMMENDATIONS.
- 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.
- ALL CONSTRUCTION IS TO ADHERE TO T-MOBILE'S INTEGRATED CONSTRUCTION STANDARDS UNLESS CALIFORNIA CODE IS MORE STRINGENT.
- 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:**

- DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
- 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.
- 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.

- 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.
- 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.
- 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**

- ALL PAINT PRODUCT LINES SHALL BE SHERWIN WILLIAMS UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE ALL SURFACES AND APPLY ALL FINISHES PER LATEST EDITION OF MANUFACTURER'S SPECIFICATIONS.
- COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS REGARDING SUFFICIENT DRYING TIME BETWEEN COATS WITH PROVISIONS AS RECOMMENDED BY MANUFACTURER FOR EXISTING WEATHER CONDITIONS.
- FINISH COLOR AND TEXTURE OF ALL PAINTED SURFACES SHALL MATCH EXISTING ADJACENT SURFACES UNLESS OTHERWISE NOTED.
- ALL PAINT MATERIAL DATA SHEETS SHALL BE PROVIDED TO THE T-MOBILE CONSTRUCTION MANAGER.
- 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.
- FURNISH DROP CLOTHES, SHIELDS, MASKING AND PROTECTIVE METHODS TO PREVENT SPRAY OR DROPPINGS FROM DAMAGING ADJACENT SURFACES AND FACILITIES.
- 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.
- APPLY BLOCK FILTER TO CONCRETE BLOCK CONSTRUCTION AT A RATE TO ENSURE COMPLETE COVERAGE WITH PORES COMPLETELY FILLED.
- 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**

- DTM ACRYLIC COATING (SERIES B66) BY SHERWIN WILLIAMS CO. 1MIL DFT PER COAT APPLIED IN TWO COATS OVER DTM BONDING PRIMER (B66A50).
- 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-24W20  
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:**

- COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS.
- 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.
- 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.
- NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.
- NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- 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.
- 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:**

- 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:**

- IF FIRE DEPARTMENT FINAL INSPECTION IS REQUIRED, SCHEDULE INSPECTION 2 DAYS IN ADVANCE.
- A CFC PERMIT TO OPERATE BATTERY SYSTEMS WITH STATIONARY LEAD-ACID BATTERIES IS NOT REQUIRED FOR THE QUANTITIES ON SITE.
- A CFC PERMIT MAY BE REQUIRED FOR THE HAZARDOUS MATERIALS ON SITE.
- 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.
- AN APPROVED METHOD TO NEUTRALIZE SPILLED ELECTROLYTE SHALL BE PROVIDED IN THE BATTERY ROOM.
- BATTERIES SHALL BE PROVIDED WITH SAFETY VENTING CAPS.
- 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.
- 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.
- 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.
- EXIT DOORS SHALL BE ABLE TO OPEN FROM THE INSIDE WITHOUT THE USE OF KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- ADDRESS NUMBERS SHALL BE A MINIMUM 6 INCHES HIGH AND PLAINLY VISIBLE FROM ROADWAY BUILDING IS ADDRESSED ON.
- REQUIRED SIGNAGE SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, APPLICABLE TYPES FROM EXAMPLES SHOWN HEREIN (SEE SIGNAGE IN T-3.0).
- ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE CONSTRUCTED SO AS TO MAINTAIN AN EQUAL OR GREATER FIRE RATING.
- DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. [CFC 807.3]

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L1900  
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SAN DIEGO, CA 92102

SHEET TITLE  
**ABBREVIATIONS,  
REFERENCED DOCUMENTS,  
LEGEND & SIGNAGE**

SHEET NUMBER  
**T-3.0**

**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)

**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: SD06486C  
SITE NAME: 26TH & C STREET ROW



INFORMATION SIGN

**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)

**ATENCIÓN**

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

DETAIL REFERENCE ELEVATION REFERENCE SECTION REFERENCE AZIMUTH ARROW ELEVATION BUBBLE MECHANICAL GRND. CONN. CADWELD GROUND BUS BAR EXISTING T-MOBILE PANEL ANTENNAS PROPOSED T-MOBILE PANEL ANTENNAS T-MOBILE TMA	<p><b>LINE TYPES</b></p> <p>--- -- --- PROPERTY LINE</p> <p>--- -- --- CENTER LINE</p> <p>— F — FIBER CABLE</p> <p>— G — GROUNDING CABLE</p> <p>— X — CHAIN LINK FENCE</p> <p>— □ — WOOD FENCE</p>	<p><b>ABBREVIATION DEFINITION</b></p> <table border="0"> <tr> <td>A.B.</td><td>ANCHOR BOLT</td> <td>GRND.</td><td>GROUND</td> </tr> <tr> <td>ABV.</td><td>ABOVE</td> <td>HDR.</td><td>HEADER</td> </tr> <tr> <td>AC</td><td>AIR CONDITIONING</td> <td>HGR.</td><td>HEIGHT</td> </tr> <tr> <td>ACU</td><td>AIR CONDITIONING UNIT</td> <td>ICGB.</td><td>ISOLATED COPPER GROUND BUS</td> </tr> <tr> <td>ACCA</td><td>ANTENNA CABLE COVER ASSY.</td> <td>IGR</td><td>INTERIOR GROUND RING</td> </tr> <tr> <td>ADDL</td><td>ADDITIONAL</td> <td>IN. (*)</td><td>INCH(ES)</td> </tr> <tr> <td>A.F.F.</td><td>ABOVE FINISHED FLOOR</td> <td>INT.</td><td>INTERIOR</td> </tr> <tr> <td>A.F.G.</td><td>ABOVE FINISHED GRADE</td> <td>LB. 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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 / BENCH MARK	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	B/U	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	DOOR	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.	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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																																																																																																																																																																																																																																																																																																																																																																							
DOOR	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																																																																																																																																																																																																																																																																																																																																																																									

LEGEND	SCALE	3
	N.T.S.	

- CONSTRUCTION DRAWINGS: TMO\_CUP\_SD06486C\_100CDs\_01-20-2017\_Rev1; SAC WIRELESS; 01-20-2017
- SCOPE OF WORK: RFDS\_SD06486C\_Capacity-L1900\_2.3\_Signed\_121317
- SITE SURVEY: N/A
- SITE WALK: 05-15-2017
- BATTERY INFORMATION: SD06486C\_Other\_SD06486C\_Modernization Site Survey Form\_Active
- DESIGN STANDARDS:
  - CITY OF SAN DIEGO STREET DESIGN MANUAL: <https://www.sandiego.gov/sites/default/files/legacy/undergrounding/pdf/streetdgnman.pdf>
  - URBAN PARKWAY CONFIGURATIONS: <https://www.sandiego.gov/sites/default/files/legacy/undergrounding/pdf/streetdgnman.pdf>
  - STATE ACCESSIBILITY COMPLIANCE
  - CITY OF SAN DIEGO STANDARD DRAWINGS: [https://www.sandiego.gov/sites/default/files/2016\\_standard\\_drawings.pdf](https://www.sandiego.gov/sites/default/files/2016_standard_drawings.pdf)
  - THE CITY OF SAN DIEGO 2016, GOLDEN HILL COMMUNITY PLAN: [https://www.sandiego.gov/sites/default/files/golden\\_hill\\_community\\_plan\\_2016\\_-\\_reduced\\_file\\_size.pdf](https://www.sandiego.gov/sites/default/files/golden_hill_community_plan_2016_-_reduced_file_size.pdf)
  - ADOPTED MOBILITY ELEMENT: <https://www.sandiego.gov/sites/default/files/legacy/planning/genplan/pdf/generalplan/adoptedmobilityelem1ab.pdf>

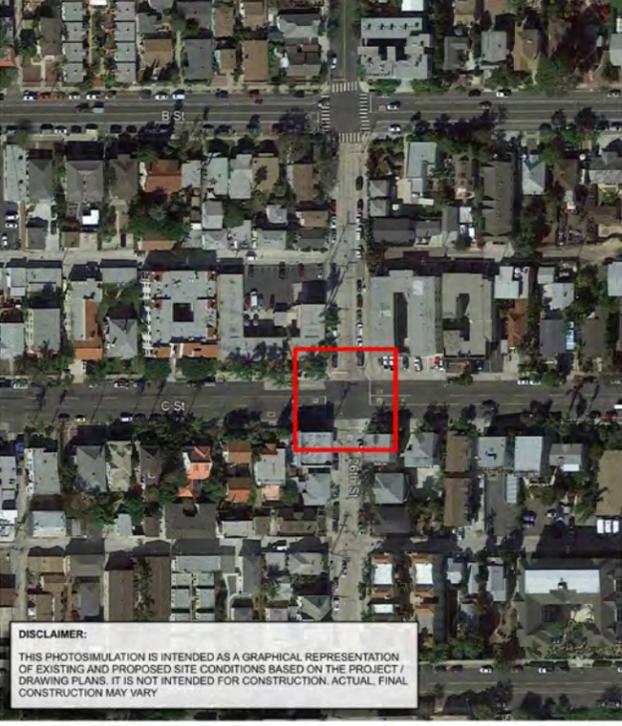
SCALE	4	SCALE	2	SCALE	1
N.T.S.		N.T.S.		N.T.S.	

REFERENCED DOCUMENTS

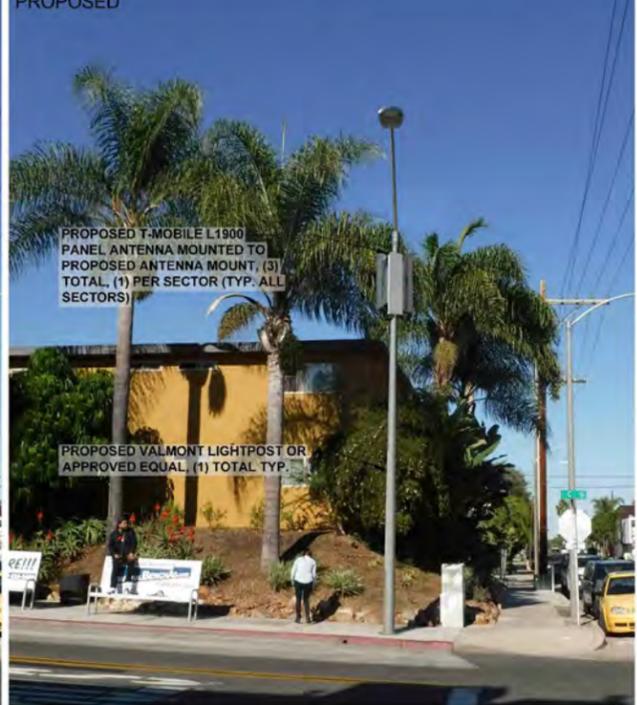
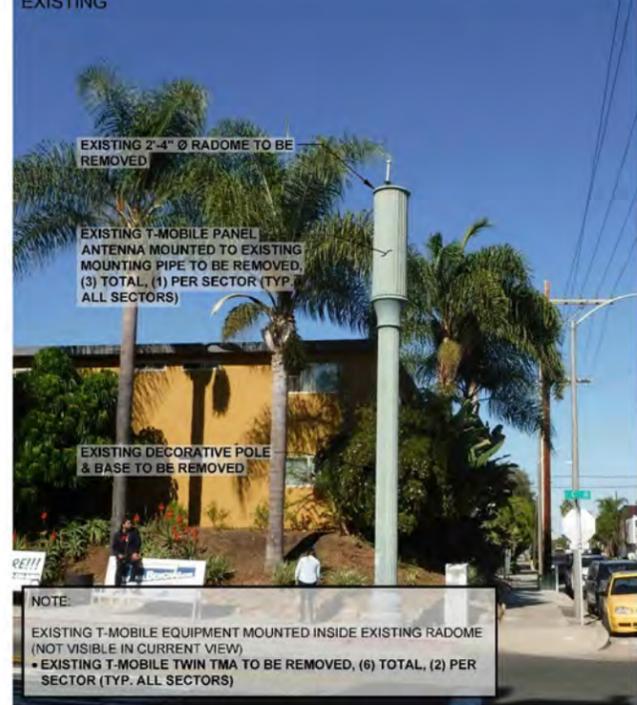
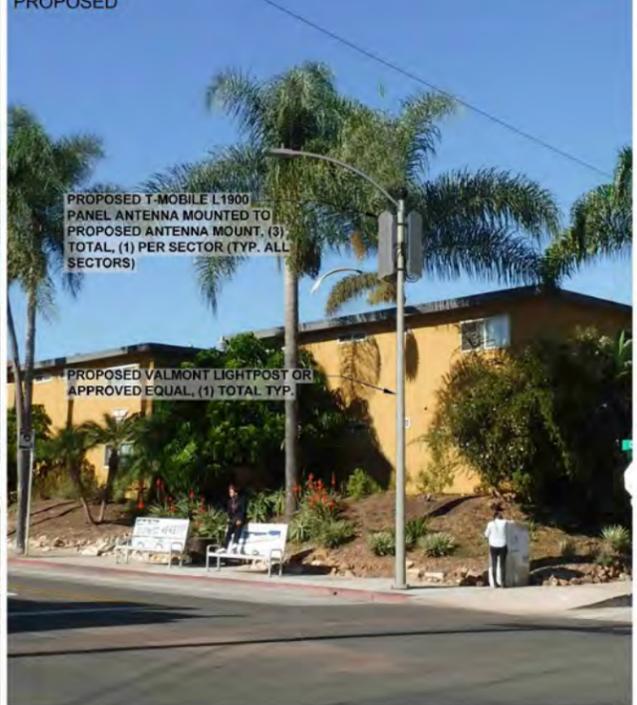
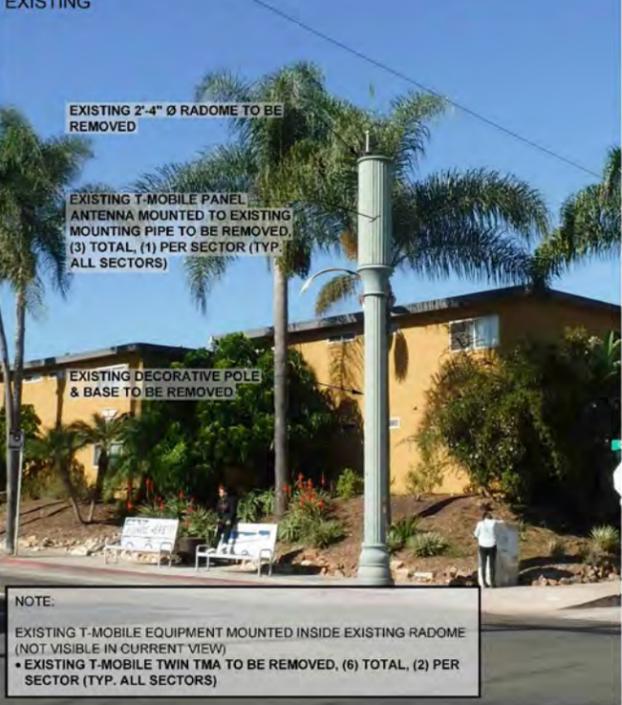
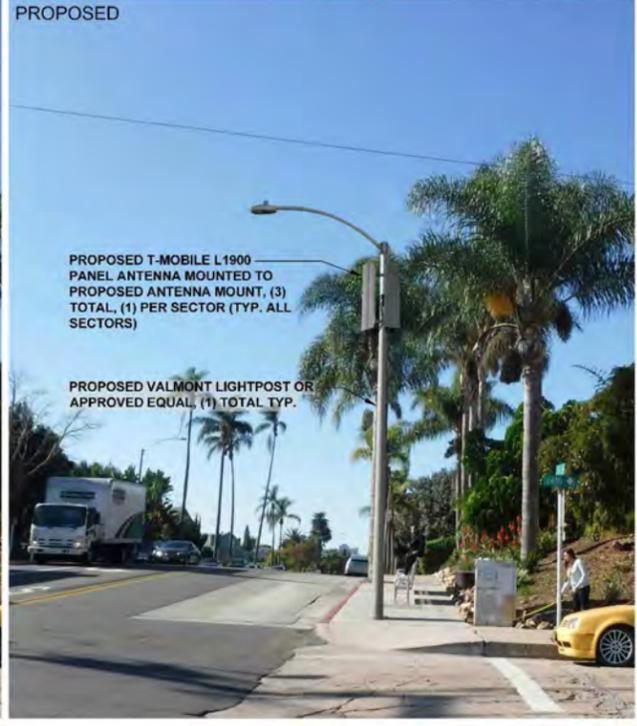
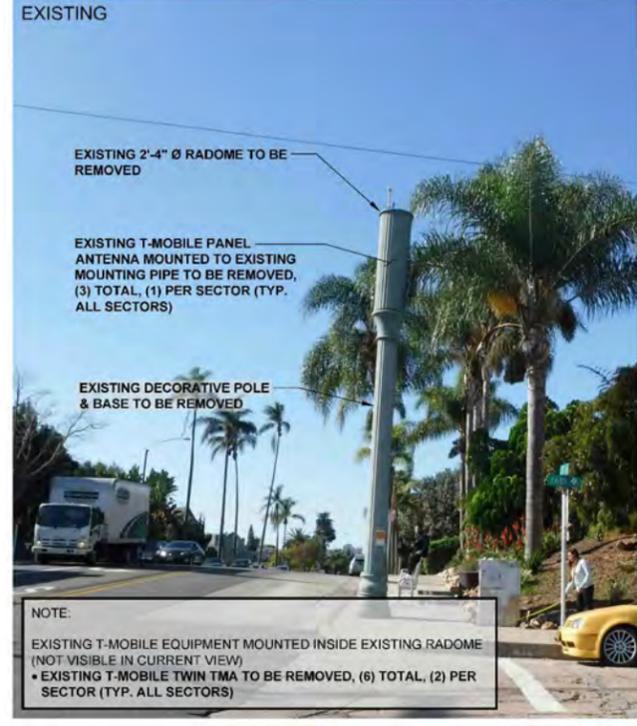
ABBREVIATIONS

SIGNAGE

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.



**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.



**T-Mobile**

10509 VISTA SORRENTO PKWY #206  
 SAN DIEGO, CA 92121  
 T-MOBILE.COM

**SOC**

A Nokia company

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

**REVISIONS**

REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
△	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
△	01/08/19	CITY COMMENTS	JP
△	02/07/19	CITY COMMENTS	AR
△	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
△	04/24/20	CITY COMMENTS	AS

**LICENSED ARCHITECT**

NESTOR T. POPOWYCH  
 C-27496  
 RENEWAL 04-30-21

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"

L1900  
 26TH & C STREET ROW  
 SD06486C  
 2598 1/3 C STREET  
 SAN DIEGO, CA 92102

SHEET TITLE

PHOTO SIMULATIONS

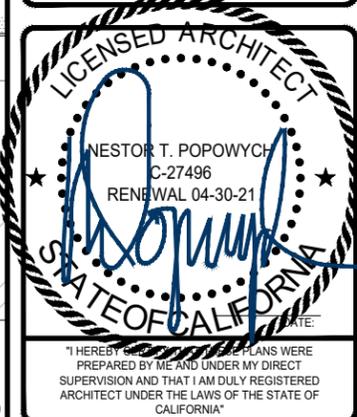
SHEET NUMBER

T-4.0

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.



REVISIONS			
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4	02/07/19	CITY COMMENTS	AR
5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



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\*

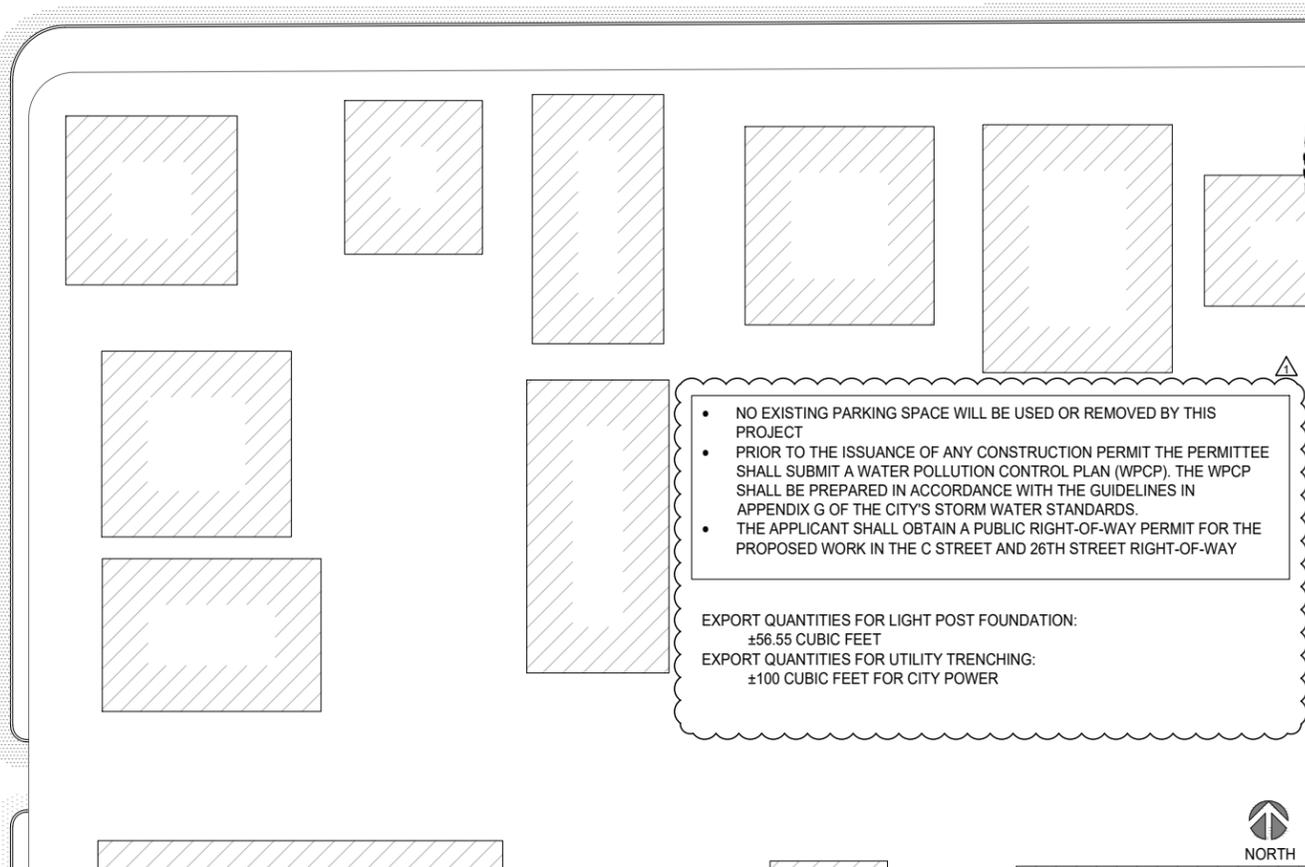
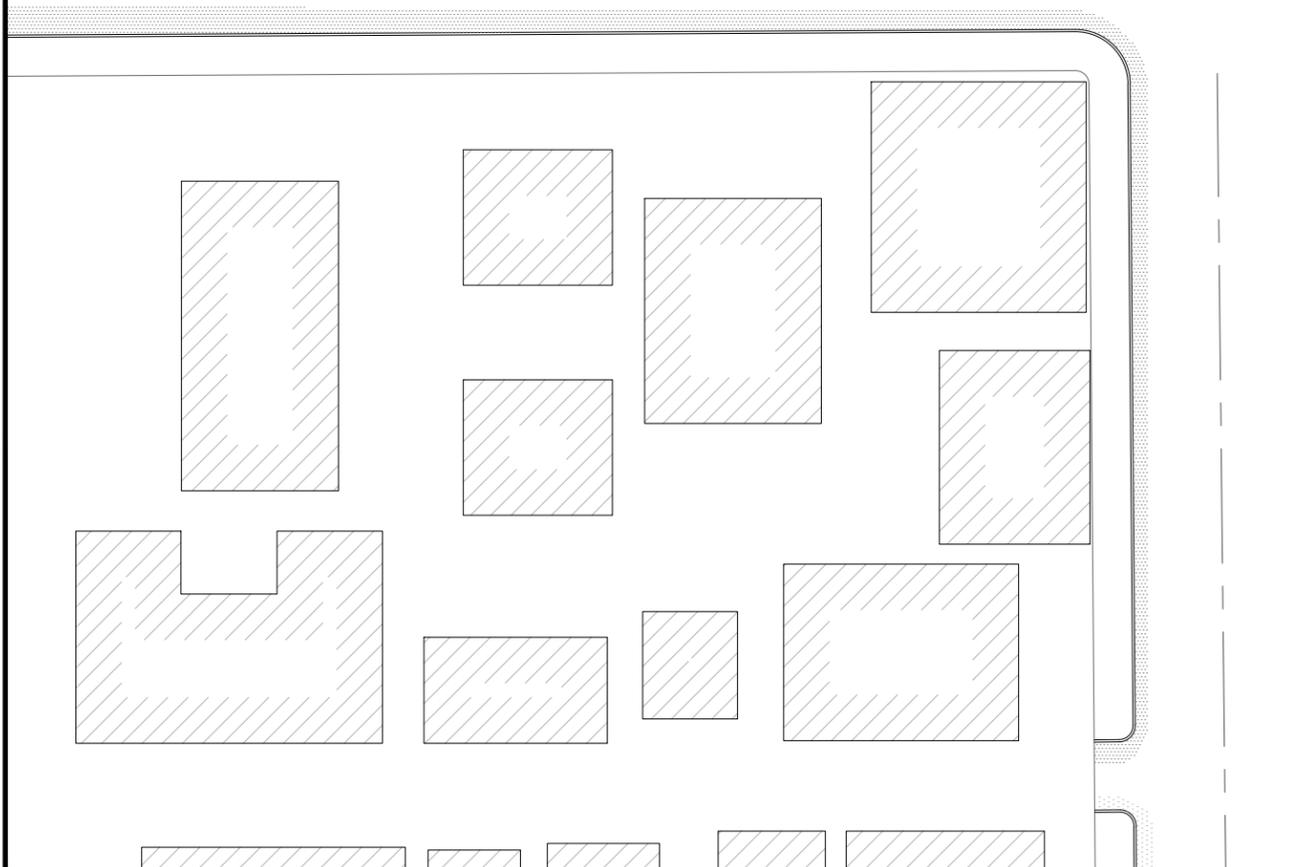
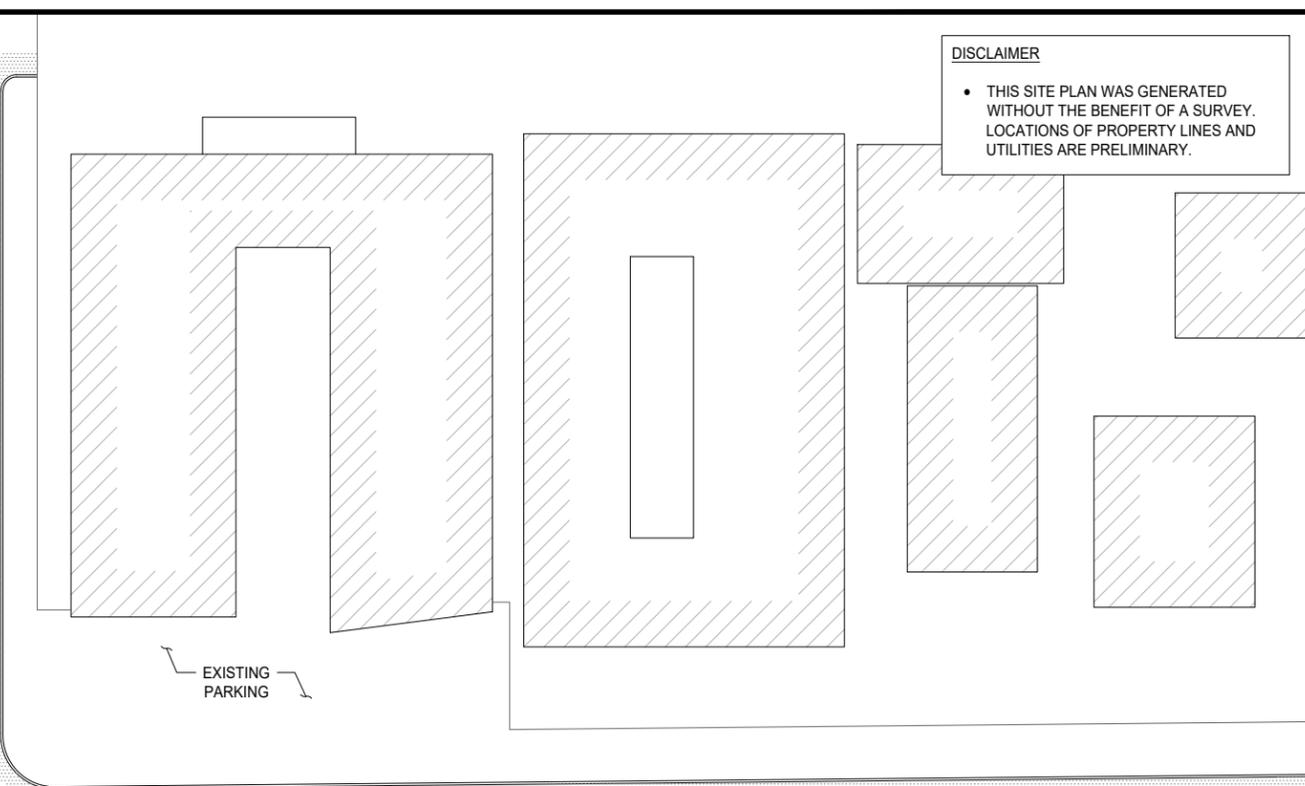
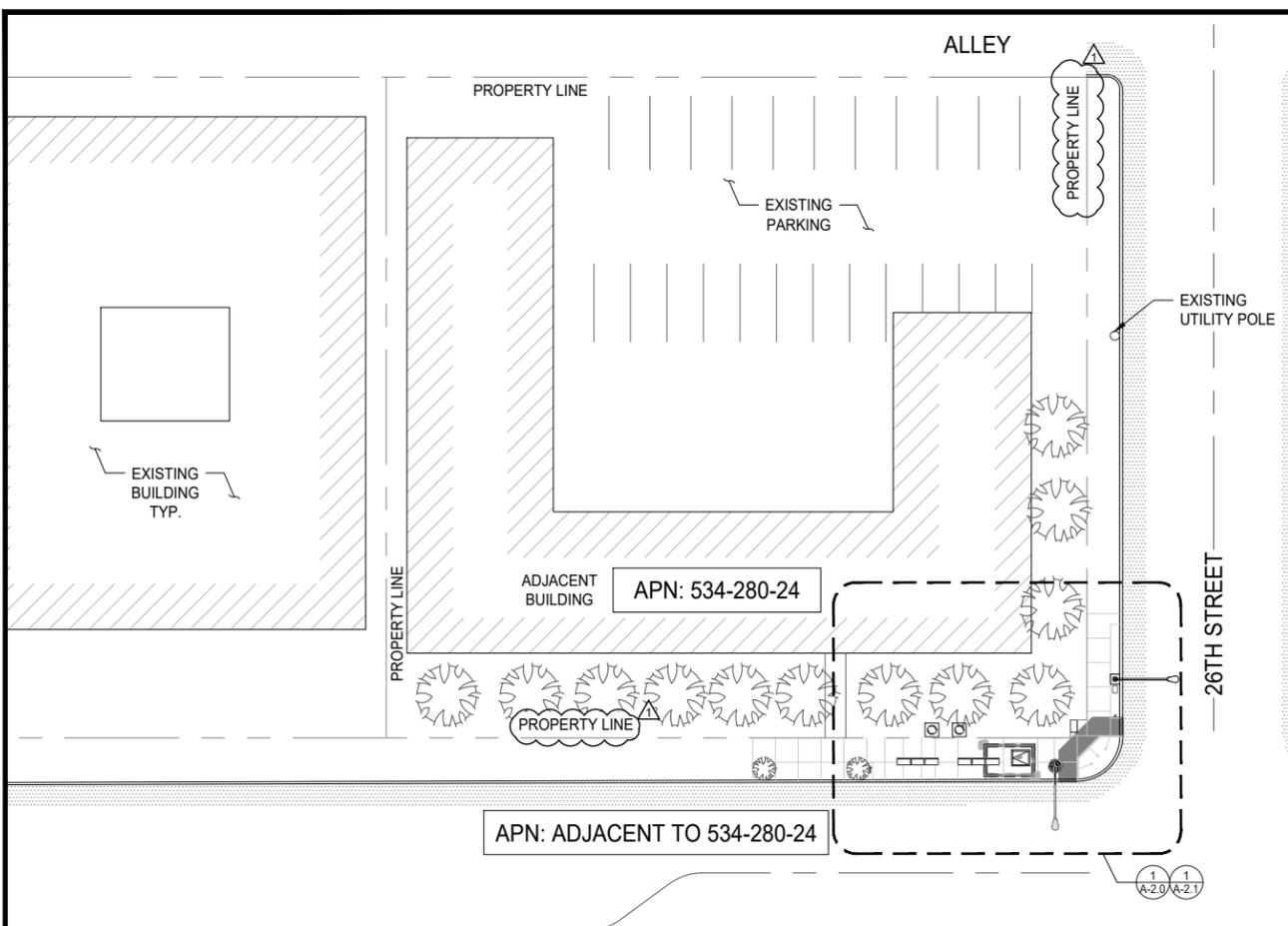
L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1.0



• NO EXISTING PARKING SPACE WILL BE USED OR REMOVED BY THIS PROJECT

• 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.

• THE APPLICANT SHALL OBTAIN A PUBLIC RIGHT-OF-WAY PERMIT FOR THE PROPOSED WORK IN THE C STREET AND 26TH STREET RIGHT-OF-WAY

EXPORT QUANTITIES FOR LIGHT POST FOUNDATION:  
±56.55 CUBIC FEET

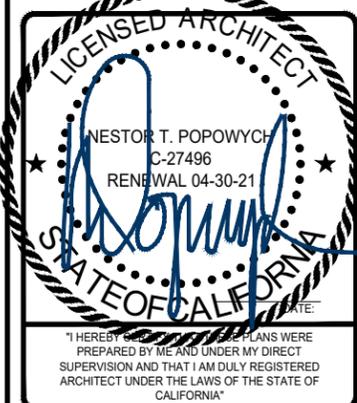
EXPORT QUANTITIES FOR UTILITY TRENCHING:  
±100 CUBIC FEET FOR CITY POWER

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.





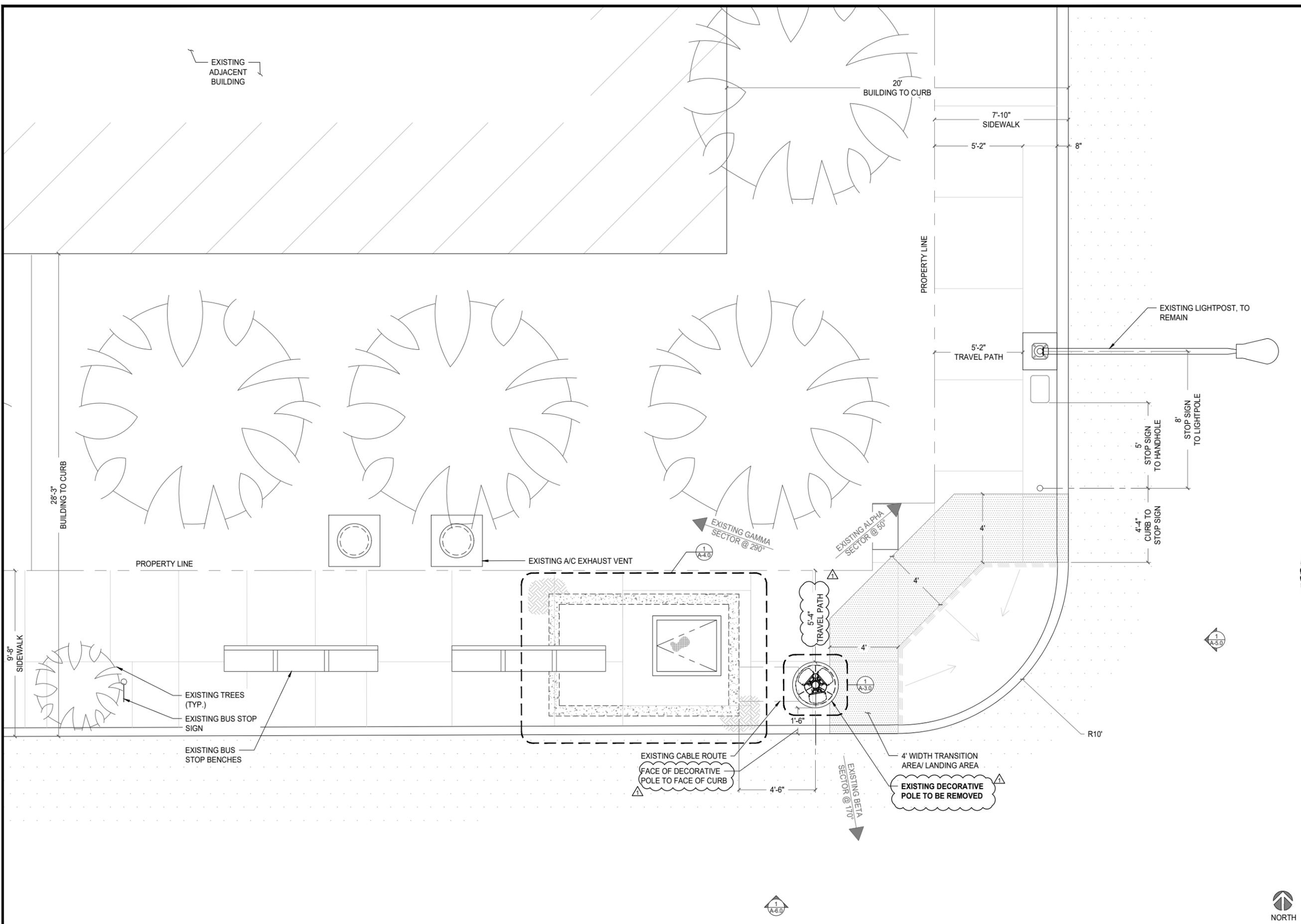
REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
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6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**EXISTING ENLARGED SITE PLAN**

SHEET NUMBER  
**A-2.0**



EXISTING ENLARGED SITE PLAN

SCALE: 3/8"=1'-0" (22x34)  
(OR) 3/16"=1'-0" (11x17)



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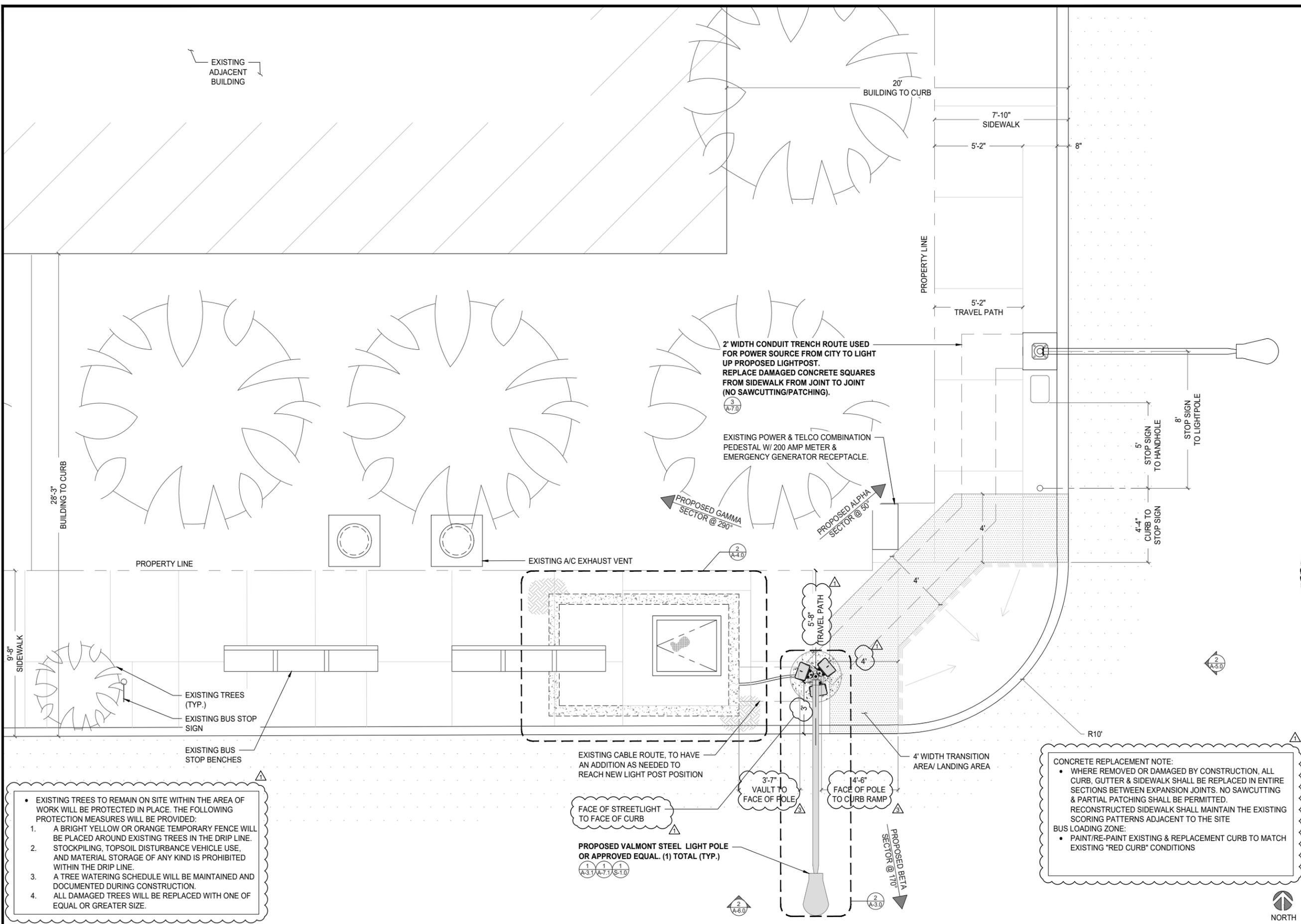
REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
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6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**PROPOSED ENLARGED SITE PLAN**

SHEET NUMBER  
**A-2.1**



- EXISTING TREES TO REMAIN ON SITE WITHIN THE AREA OF WORK WILL BE PROTECTED IN PLACE. THE FOLLOWING PROTECTION MEASURES WILL BE PROVIDED:
1. A BRIGHT YELLOW OR ORANGE TEMPORARY FENCE WILL BE PLACED AROUND EXISTING TREES IN THE DRIP LINE. STOCKPILING, TOPSOIL DISTURBANCE VEHICLE USE, AND MATERIAL STORAGE OF ANY KIND IS PROHIBITED WITHIN THE DRIP LINE.
  2. A TREE WATERING SCHEDULE WILL BE MAINTAINED AND DOCUMENTED DURING CONSTRUCTION.
  3. ALL DAMAGED TREES WILL BE REPLACED WITH ONE OF EQUAL OR GREATER SIZE.

**CONCRETE REPLACEMENT NOTE:**

- WHERE REMOVED OR DAMAGED BY CONSTRUCTION, ALL CURB, GUTTER & SIDEWALK SHALL BE REPLACED IN ENTIRE SECTIONS BETWEEN EXPANSION JOINTS. NO SAWCUTTING & PARTIAL PATCHING SHALL BE PERMITTED. RECONSTRUCTED SIDEWALK SHALL MAINTAIN THE EXISTING SCORING PATTERNS ADJACENT TO THE SITE

**BUS LOADING ZONE:**

- PAINT/RE-PAINT EXISTING & REPLACEMENT CURB TO MATCH EXISTING "RED CURB" CONDITIONS

PROPOSED ENLARGED SITE PLAN

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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

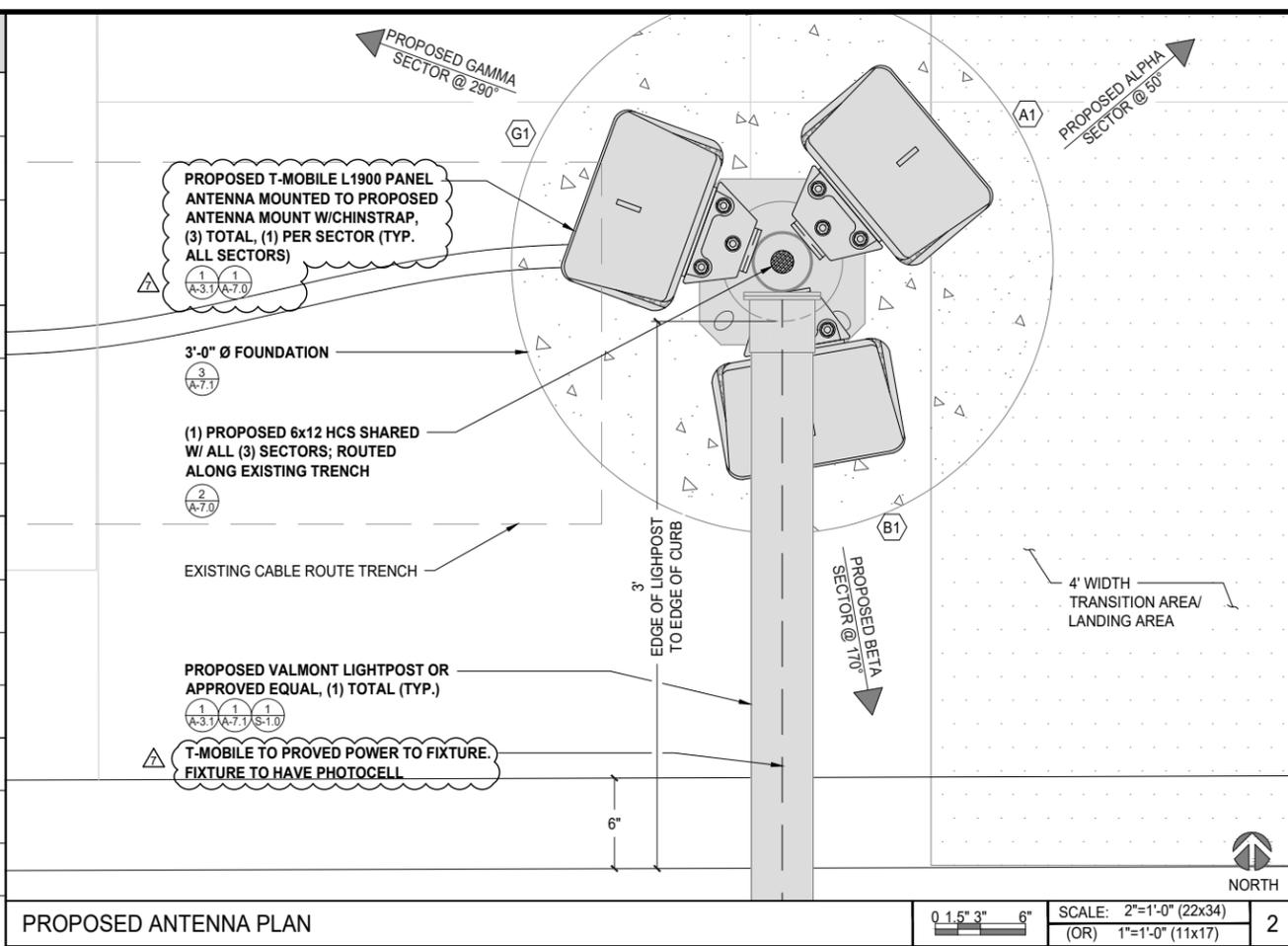
SHEET TITLE  
**EXISTING & PROPOSED  
ANTENNA PLANS &  
SCHEDULES**

SHEET NUMBER  
**A-3.0**

PROPOSED ANTENNA SCHEDULE

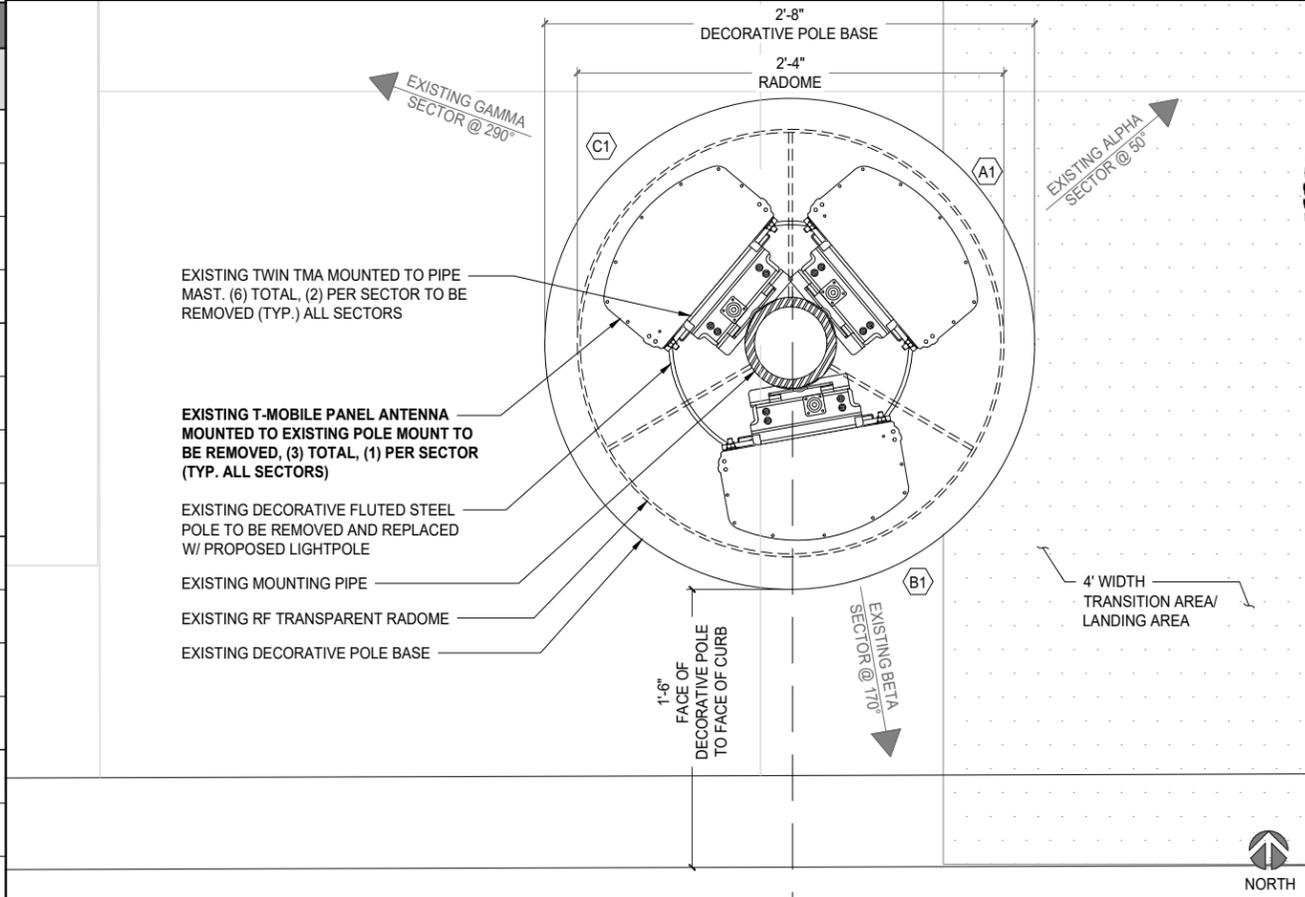
EXISTING ANTENNA SCHEDULE

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	50°	24'-6"	26'-6"	4'-0"	1	PROPOSED	KD901146-1_B66A_B2A	N/A	(1) 6x12 HCS (SHARED) (4) FIBER JUMPER	30M / 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	N/A	N/A	N/A	N/A
BETA	170°	24'-6"	26'-6"	4'-0"	1	PROPOSED	KD901146-1_B66A_B2A	N/A	(4) FIBER JUMPER	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	N/A	N/A	N/A	N/A
GAMMA	290°	24'-6"	26'-6"	4'-0"	1	PROPOSED	KD901146-1_B66A_B2A	N/A	(4) FIBER JUMPER	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	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



PROPOSED ANTENNA PLAN

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	50°	27'-0"	29'-0"	4'-0"	1	EXISTING	TMBXX-6516-R2M	(1) TWIN AWS (1) TWIN PCS AWS	(4) 7/8" COAX	60'-0"	
				N/A	N/A	N/A	N/A	(2) TRX AT ANTENNA (2) TRX AT CABINET	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
BETA	170°	27'-0"	29'-0"	4'-0"	1	EXISTING	TMBXX-6516-R1M	(1) TWIN AWS (1) TWIN PCS AWS	(4) 7/8" COAX	60'-0"	
				N/A	N/A	N/A	N/A	(2) TRX AT CABINET	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
GAMMA	290°	27'-0"	29'-0"	4'-0"	1	EXISTING	TMBXX-6516-R2M	(1) TWIN AWS (1) TWIN PCS AWS	(4) 7/8" COAX	60'-0"	
				N/A	N/A	N/A	N/A	(2) TRX AT CABINET	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
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



EXISTING ANTENNA PLAN

PROPOSED & EXISTING ANTENNA SCHEDULES

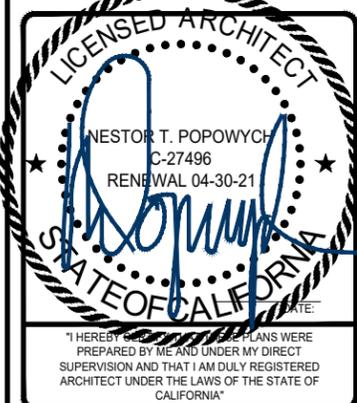
SCALE N.T.S. 3

SCALE: 2"=1'-0" (22x34) (OR) 1"=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.



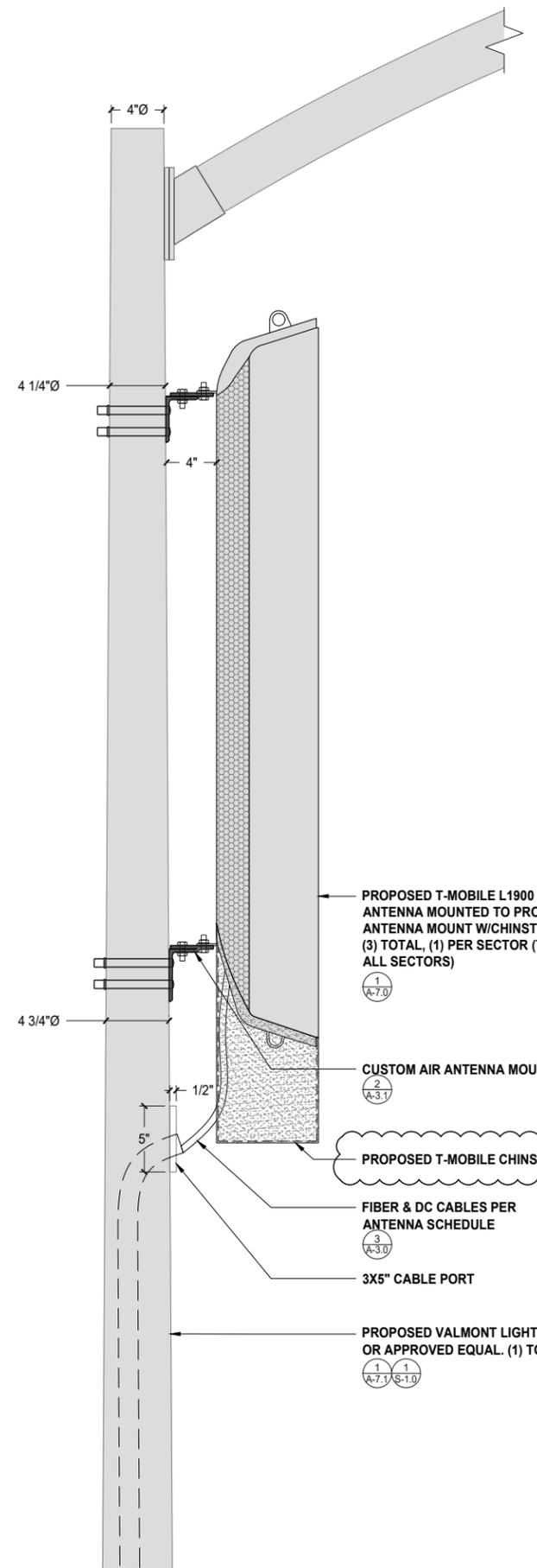
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△	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
△	01/08/19	CITY COMMENTS	JP
△	02/07/19	CITY COMMENTS	AR
△	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
△	04/24/20	CITY COMMENTS	AS



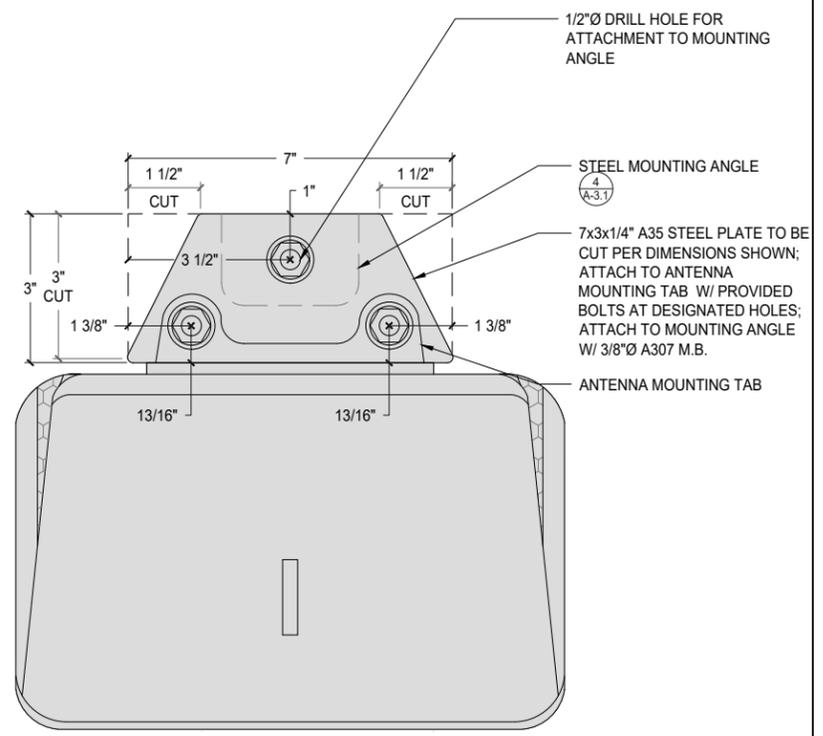
L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**ANTENNA MOUNTING  
DETAIL**

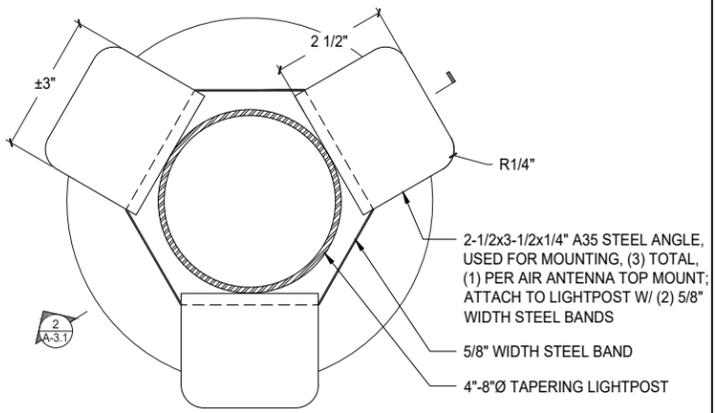
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**A-3.1**



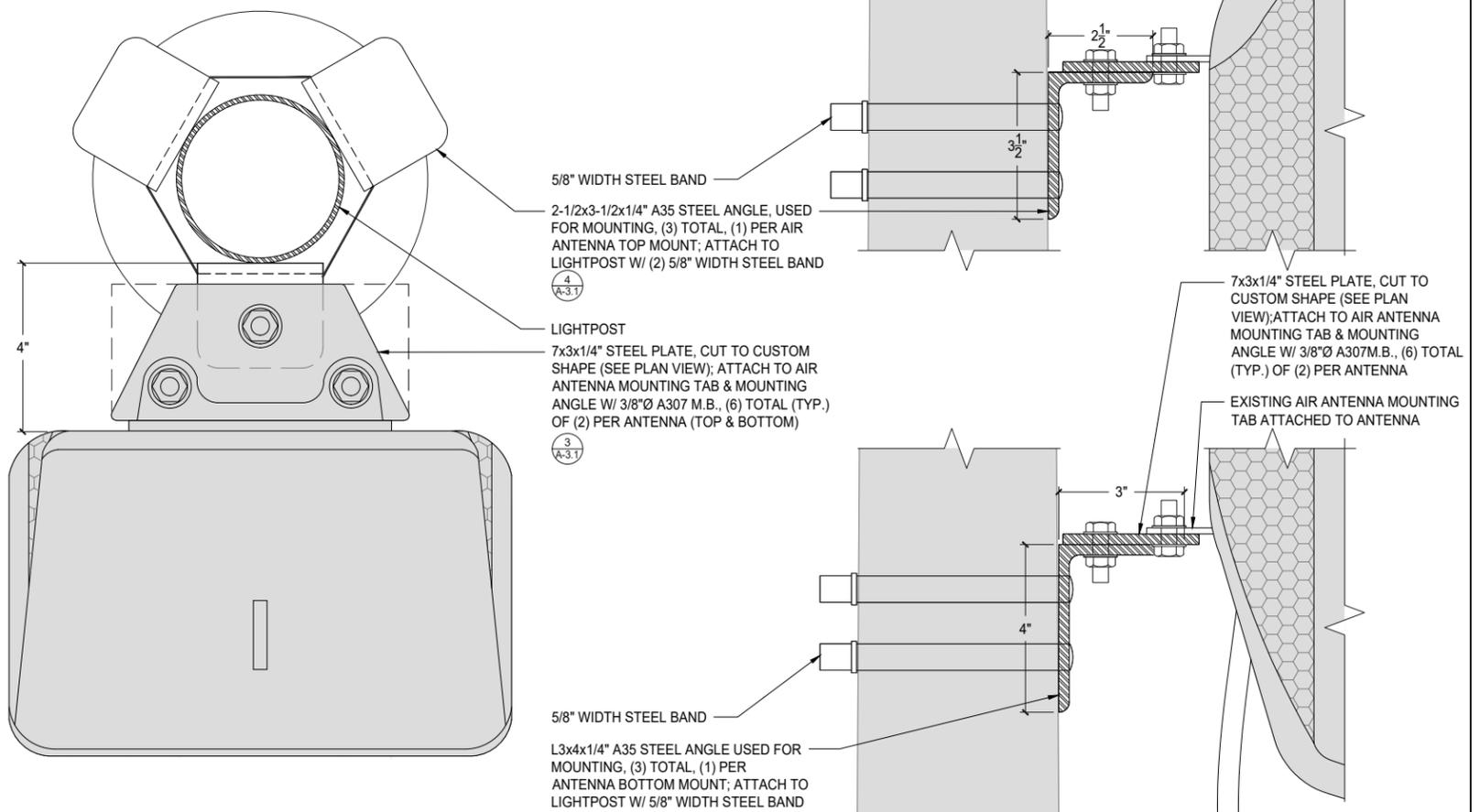
**ANTENNA MOUNTING DETAIL**  
SCALE: 2"=1'-0" (22x34)  
(OR) 1"=1'-0" (11x17)



**CUSTOM MOUNTING BRACKET**  
SCALE: 6"=1'-0" (22x34)  
(OR) 3"=1'-0" (11x17)



**STEEL MOUNTING ANGLE**  
SCALE: 6"=1'-0" (22x34)  
(OR) 3"=1'-0" (11x17)

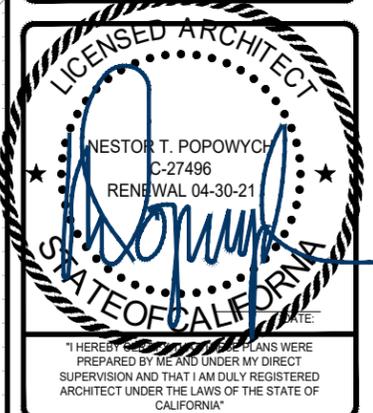


**CUSTOM AIR ANTENNA MOUNT**  
SCALE: 6"=1'-0" (22x34)  
(OR) 3"=1'-0" (11x17)

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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



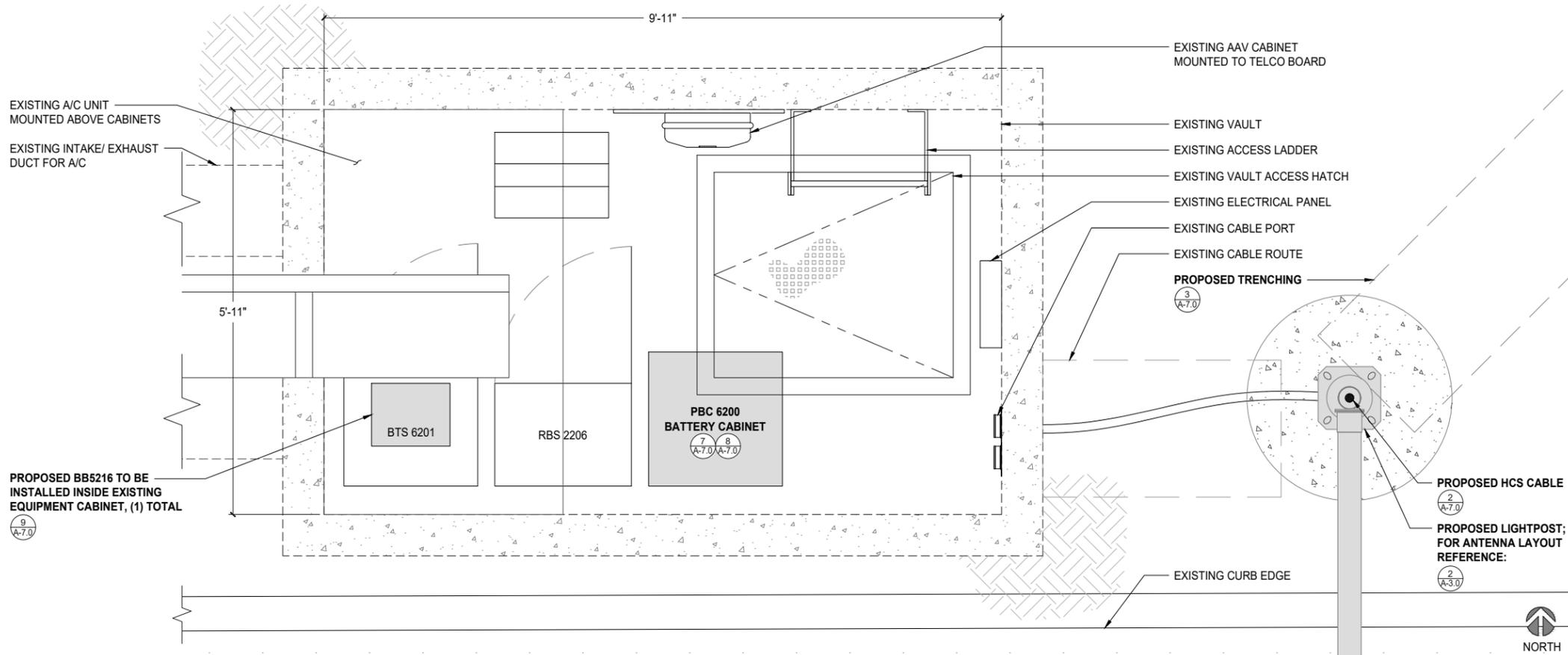
L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
EXISTING & PROPOSED  
EQUIPMENT PLANS, &  
EXISTING BATTERY  
CALCULATIONS

SHEET NUMBER  
**A-4.0**

NOTE: NO NEW BATTERIES TO BE ADDED  
• BATTERIES TO BE REUSED FROM PREVIOUS BATTERY CABINET

EXISTING BATTERY SPECIFICATIONS	
CABINET TYPE	PBC 6200
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB100FT (6 A-7.0)
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	8 (EXISTING, FROM PREVIOUS BATTERY CABINET)
MAXIMUM NUMBER OF BATTERIES PER CABINET	20
TOTAL ELECTROLYTES CONTAINED IN CABINET	16.5



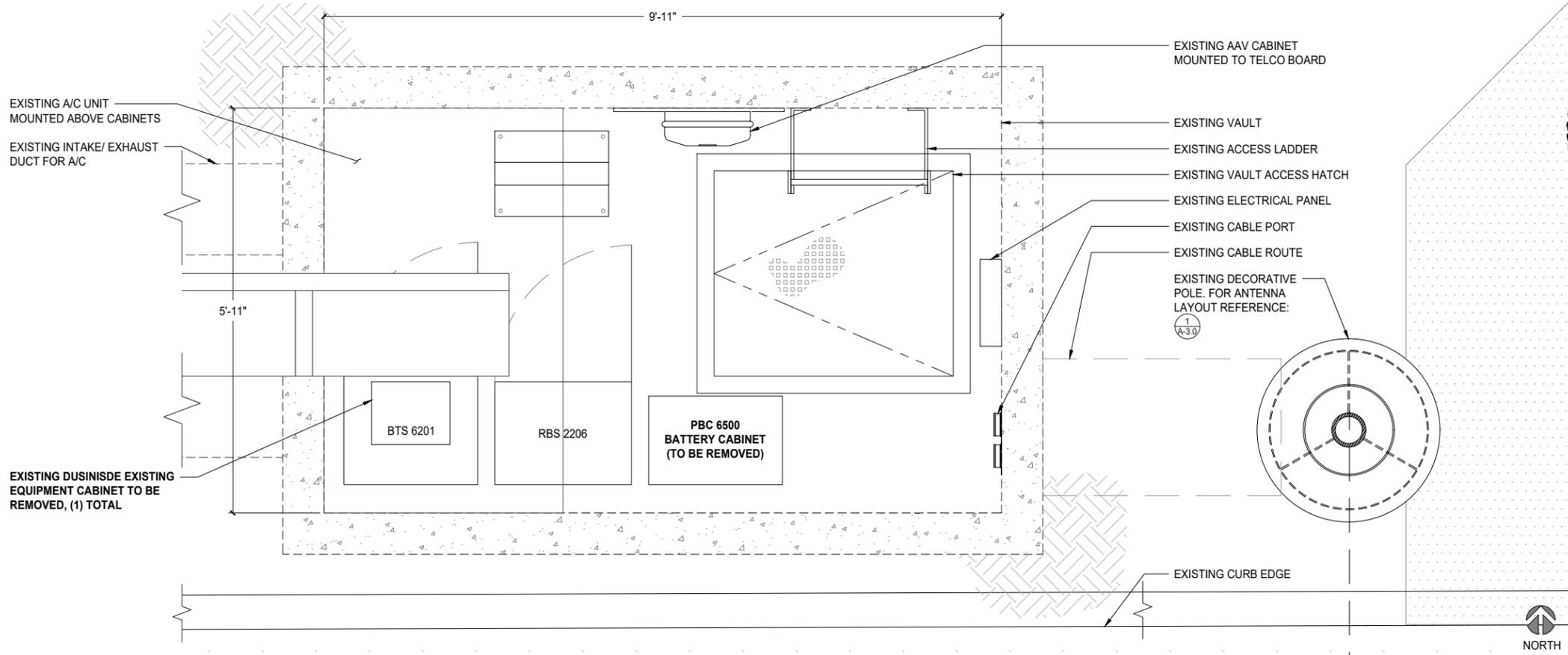
PROPOSED BB5216 TO BE INSTALLED INSIDE EXISTING EQUIPMENT CABINET, (1) TOTAL (9 A-7.0)

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

PROPOSED EQUIPMENT PLAN & BATTERY CALCULATIONS

NOTE: NO NEW BATTERIES TO BE ADDED

EXISTING BATTERY SPECIFICATIONS	
CABINET TYPE	PBC 6500 (CABINET TO BE REMOVED)
BATTERY MANUFACTURER	NORTHSTAR
MODEL NUMBER:	NSB100FT (6 A-7.0)
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	8
MAXIMUM NUMBER OF BATTERIES PER CABINET	20
TOTAL ELECTROLYTES CONTAINED IN CABINET	16.5



EXISTING DUSINIDE EXISTING EQUIPMENT CABINET TO BE REMOVED, (1) TOTAL

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

EXISTING EQUIPMENT PLAN & BATTERY CALCULATIONS

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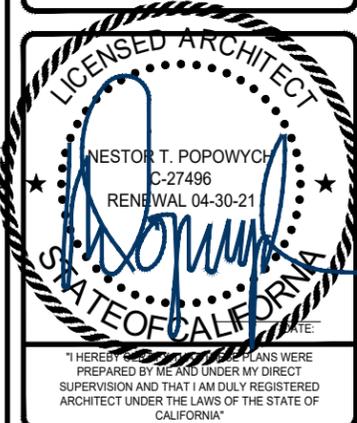


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SAN DIEGO, CA 92121  
T-MOBILE.COM



A Nokia company  
5015 SHOREHAM PLACE, SUITE 150  
SAN DIEGO, CA 92122  
www.sacw.com

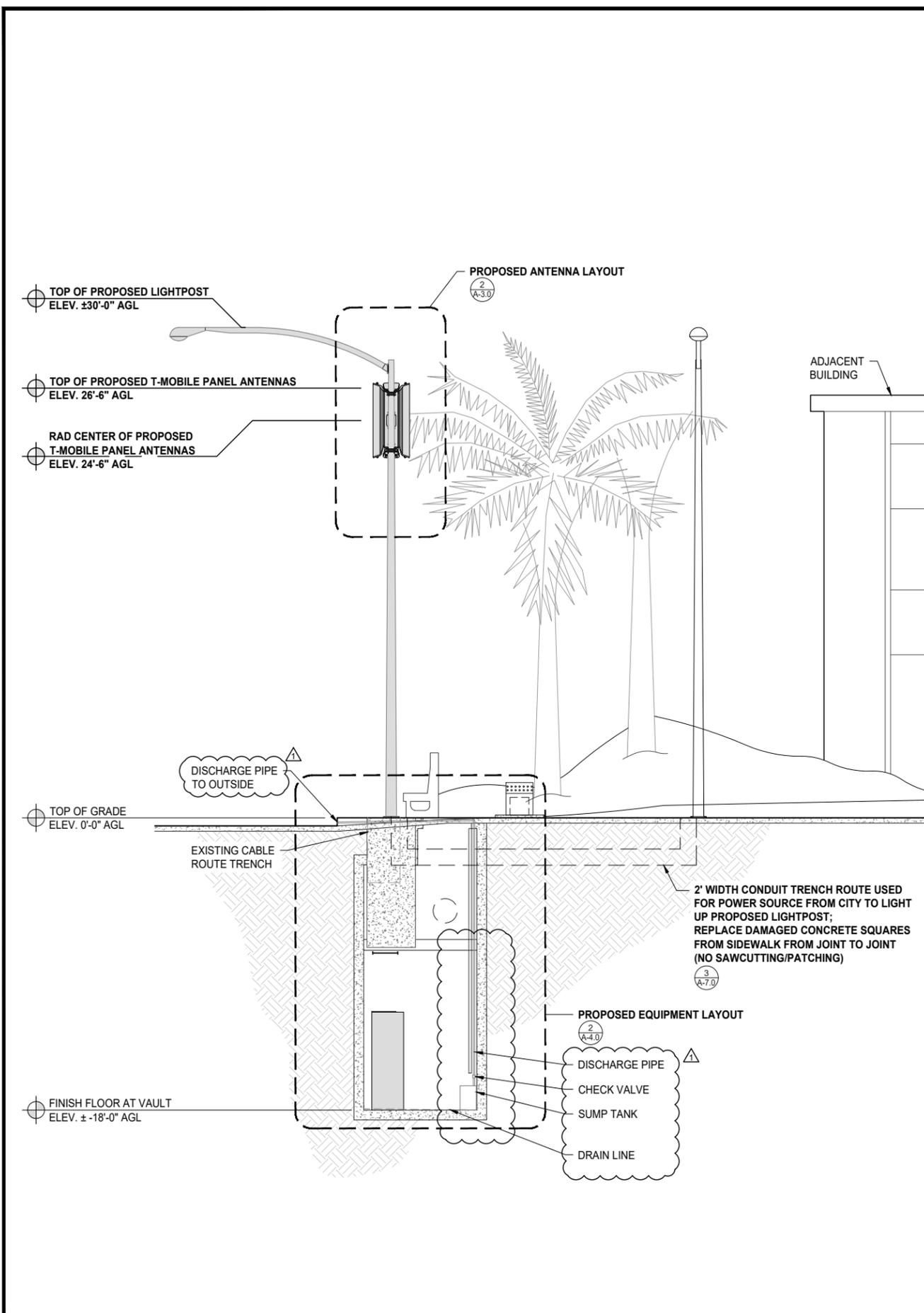
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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



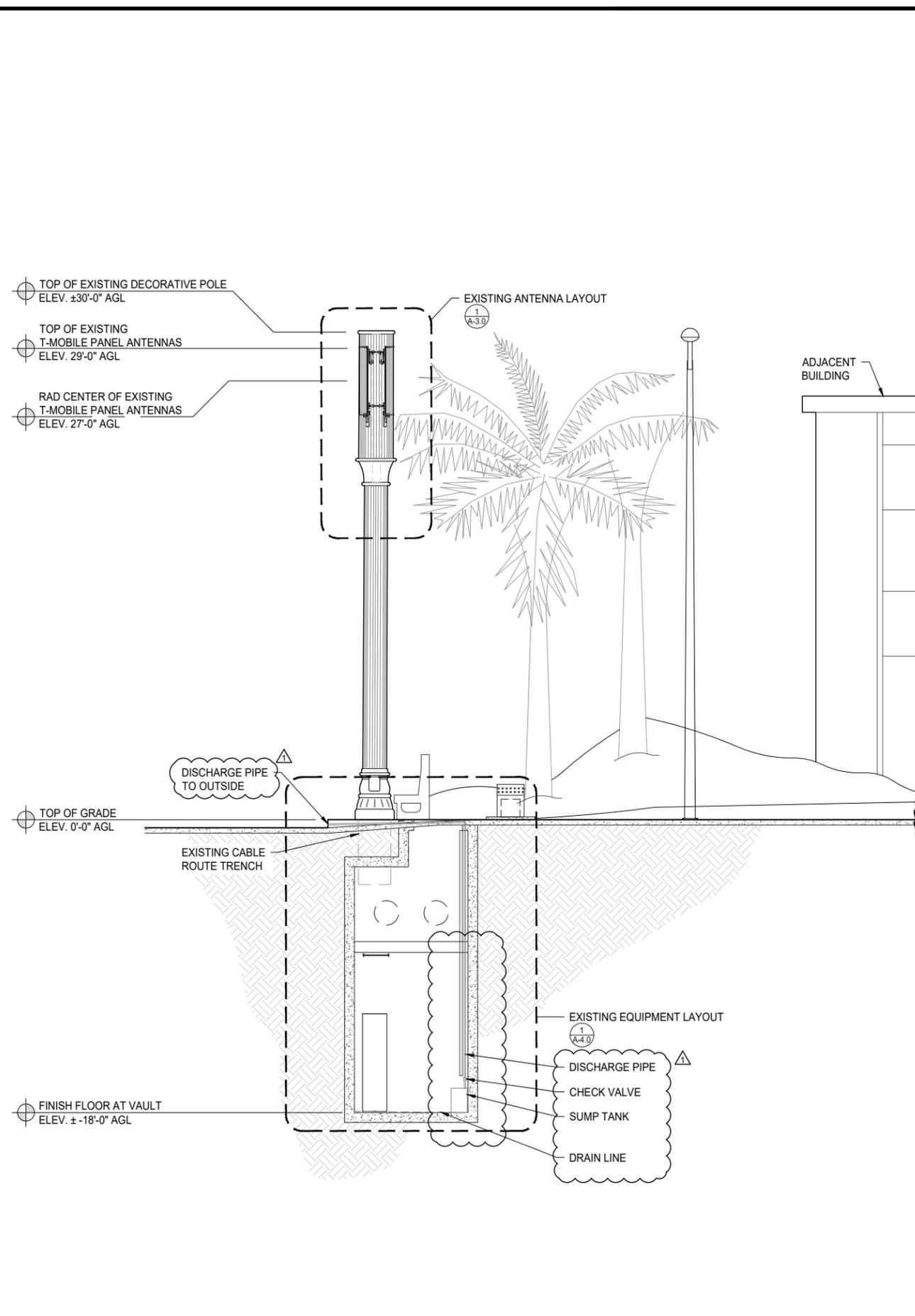
L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**EXISTING & PROPOSED  
EAST ELEVATIONS**

SHEET NUMBER  
**A-5.0**



PROPOSED EAST ELEVATION



EXISTING EAST ELEVATION

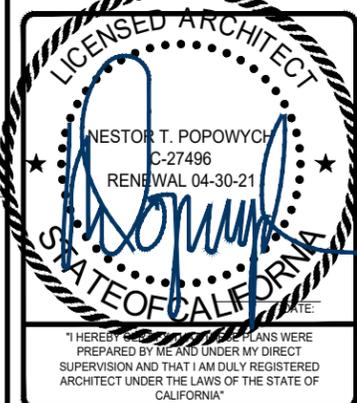
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0 1' 2' 4' SCALE: 1/4"=1'-0" (22x34)  
(OR) 1/8"=1'-0" (11x17) 2

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



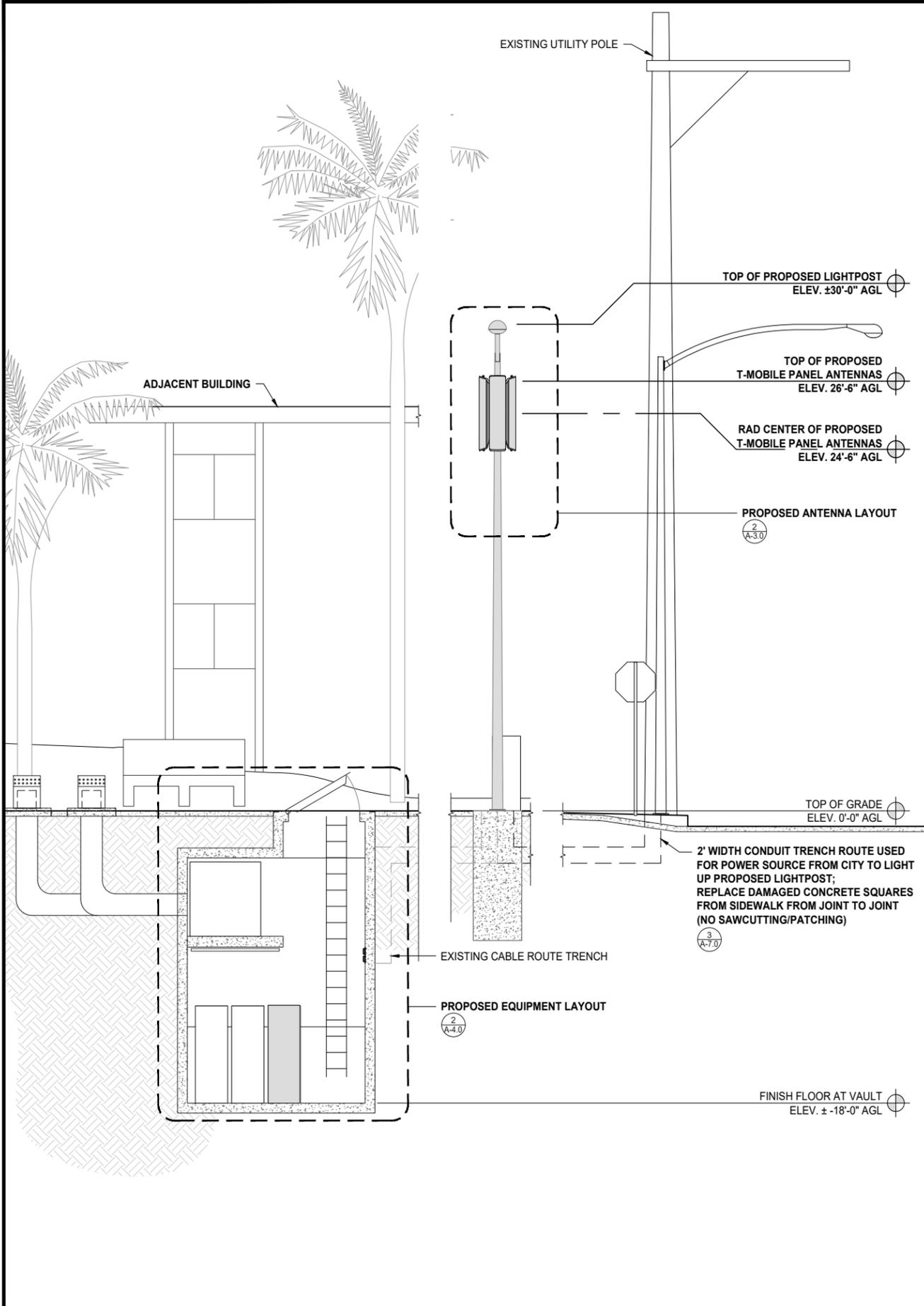
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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



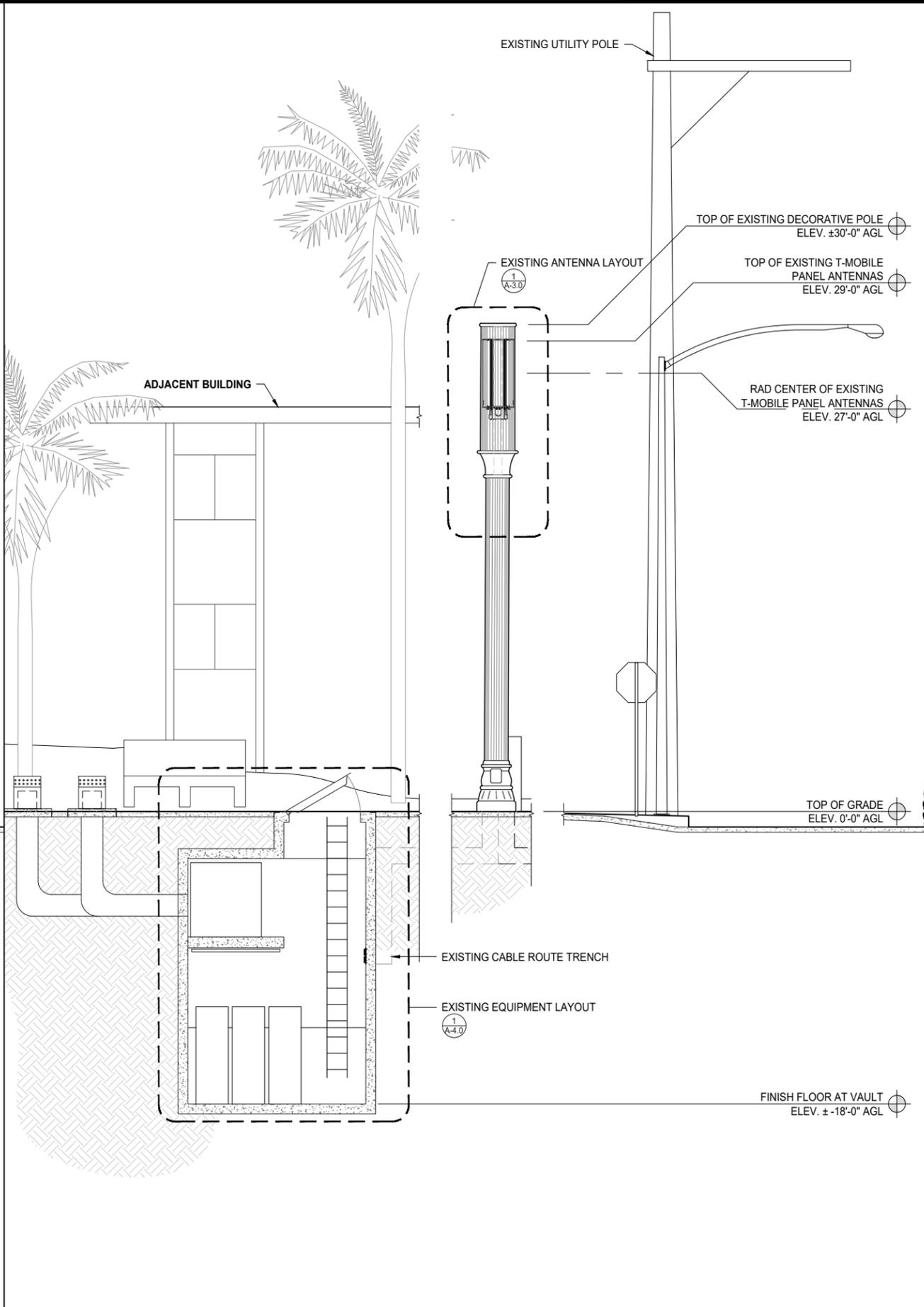
L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**EXISTING & PROPOSED  
SOUTH ELEVATIONS**

SHEET NUMBER  
**A-6.0**



PROPOSED SOUTH ELEVATION



EXISTING SOUTH ELEVATION

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**MANUFACTURER:** ERICSSON  
**MODEL:** BASEBAND 5216  
**DIM:** 350MMx31MMx280MM (13.77INx1.2INx11.02IN)  
**WEIGHT:** ±8LBS

**PURPOSE:** PROVIDES SWITCHING, TRAFFIC MANAGEMENT, TIMING, BASEBAND PROCESSING, AND RADIO INTERFACING.

**FUNCTION:** TIMING FUNCTION/ LOADABLE SOFTWARE/ DOWNLINK BASEBAND PROCESSING/ UPLINK BASEBAND PROCESSING/ IP TRAFFIC MANAGEMENT/ RADIO INTERFACE/ TRANSMISSION HANDLING/ EXTERNAL SYNCHRONIZATION/ CONTROLLING POWER AND CLIMATE OF THE RBS

**CAPACITY DATA LTE:** 800 CONNECTED USERS/ 960MHz ANTENNA BANDWIDTH/ UP TO 2000 FDD OR 1000 TDD VoIP USERS/ 1200 MBPS DL THROUGHPUT/ 600 MBPS UL THROUGHPUT

**MANUFACTURER:** NORTHSTAR  
**MODEL:** NSB 100FT BLUE

10 HOUR CAPACITY TO 1.80VPC @ 25°C (77°F): 84Ah  
 8 HOUR CAPACITY TO 1.75VPC @ 25°C (77°F): 83Ah  
 10 HOUR CAPACITY TO 1.80VPC @ 20°C (68°F): 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)

REPLACE TO MATCH EXISTING SIDEWALK

UNDISTURBED SOIL

BACKFILL EARTH TO 95% RELATIVE COMPACTION PER ASTM D1557

UTILITY WARNING TAPE

BACKFILL (SAND OR NATIVE SOIL W/ SAND EQUIVALENT GREATER THAN 30) COMPACT TO 95% RELATIVE COMPACTION PER ASTM D1557

4" PVC SCH 40 FIBER CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER CABLE SIZE)

PVC SCH 40 ELECTRICAL CONDUIT WHERE APPLICABLE (OR PVC SIZING AS REQ'D PER POWER PROVIDER DESIGN)

BB 5216	N.T.S.	9
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BATTERY	2"=1'-0" (22x34) 1"=1'-0" (11x17)	6
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DUAL UTILITY TRENCH		3
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**PROPOSED CABINET**

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

EXISTING VAULT

**MANUFACTURER:** ERICSSON  
**MODEL:** HYBRID CABLE, 6 DC PAIRS + 12 OPTICAL PAIRS

<b>WEIGHT (kg/m):</b> 2.5 (± 1)	<b>4 AWG DC</b> 3.6 (± 1)	<b>HYBRID CABLE SPECIFICATIONS</b>
<b>(lb/ft):</b> 1.7 (± 1)	<b>2.4 (± 1)</b>	
<b>DIAMETER (mm):</b> 35 (± 2.0 mm)	<b>42 (± 2.0 mm)</b>	<b>JACKET MATERIAL:</b> HEAT, MOISTURE, AND SUNLIGHT RESISTANT POLYVINYL CHLORIDE (PVC) JACKET
<b>(in):</b> 1.35 (± .1")	<b>1.66 (± .1")</b>	<b>TEMPERATURE RANGE:</b> -40°F TO +158°F
<b>COAX STD. Ø EQUIV.:</b> 1 3/8"	<b>1 5/8"</b>	<b>OPERATING VOLTAGE:</b> 48VDC

**TEMPERATURE RANGE:** -40°F TO +158°F  
**OPERATING VOLTAGE:** 48VDC  
**RATED VOLTAGE:** 0.6 V/1kV (1.2kV)  
**CABLE SHIELDING:** COPPER FOIL > 100% COVERAGE  
**FIBER OPTIC:** 4.8 MM LOOSE-TUBE CABLE WITH UP TO 24 FIBERS SINGLE MODE  
**FLAME RETARDANT:** IEC 60332-1-2:2004  
**UV RESISTANT:** YES, ACCORDING IEC 68-2-5  
**UL APPROVED:** YES

**RATINGS:**  
 UL/NEC TYPE TC-ER-OF (TRAY CABLE FOR EXPOSED RUNS)  
 c(UL) T90 NYLON TC-ER FT4, UL 1685 (UL 1581) VERTICAL TRAY FLAME TEST (70,000 BTU/hr)  
**CONDUCTORS:** ASTM B 3, ASTM B 8  
**DRAIN WIRE:** ASTM B 8, ASTM B 33  
**INSULATION:** ICEA S-95-658 (NEMA WC 70), UL 83 FOR TYPE THHN/ THWN WIRES  
**JACKET:** ICEA S-95-658 (NEMA WC 70), UL 1277  
**FIBER:** IEC60793-2

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS

CABINET ANCHORAGE	SCALE: 1-1/2"=1'-0" (22x34) (OR) 3/4"=1'-0" (11x17)	8
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NOT USED		5
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HCS 6x12		2
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**MANUFACTURER:** ERICSSON  
**MODEL:** PBC 6200

**WEIGHT:** 2200Lbs.  
**HEIGHT:** 72.44 in.  
**WIDTH:** 23.62 in.  
**DEPTH:** 23.62 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

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

**MANUFACTURER:** ERICSSON  
**MODEL:** AIR 32, DUALBAND(B2a/B66Aa)

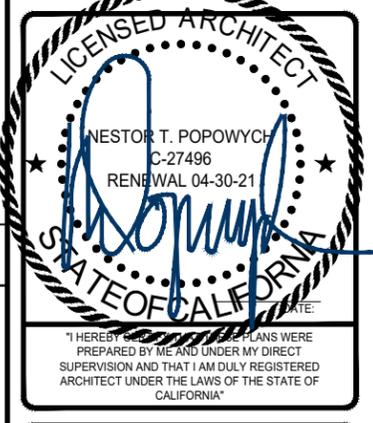
**BAND 2 (1850-1910/1930-1990):** ACTIVE FREQUENCY BAND  
**BAND 4 (1710-1755/2110-2155):** SUBSET OF BAND 66A (AWS1+3)  
**BAND 66A (1710-1780/2110-2180):** ACTIVE FREQUENCY BAND

**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)

**CAPACITY:** 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)

**OPTICAL CPRI:** 2 X 10 Gbps PER ACTIVE FREQ. BAND  
**DC POWER:** -48 VDC 3-WIRE OR 2-WIRE  
**PSU-AC 08**  
**OPERATING TEMP. RANGE:** -40 TO +55 °C  
**SOLAR RADIATION:** ≤ 1,120 W/m²  
**RELATIVE HUMIDITY:** 5 TO 100%  
**ABSOLUTE HUMIDITY:** 0.26 TO 40g/m³  
**MAX. TEMP. CHANGE:** 1.0°C/min  
**ELECTRICAL TILT:** 2"-12"(B66A), 2" - 12" (B2)  
**BORE-SIGHT ANTENNA GAIN:** 18dBi (B66A), 17.5 dBi (B2)  
**NOMINAL BEAM-WIDTH AZ:** 65° (B66A), 63° (B2)  
**NOMINAL BEAM-WIDTH ELEV:** 6° (B66A), 6° (B2)

**MECHANICAL**  
**WEIGHT:** 132.2 LBS  
**SIZE (HxWxD):** 56.6"x12.9"x8.7"  
**WIND LOAD:** 143.878 LBF / 67.4427 LBF / 148.374 LBF



L 1900  
 26TH & C STREET ROW  
 SD06486C  
 2598 1/3 C STREET  
 SAN DIEGO, CA 92102

SHEET TITLE  
**EQUIPMENT DETAILS & SPECIFICATIONS**

SHEET NUMBER  
**A-7.0**

PBC 6200	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	7
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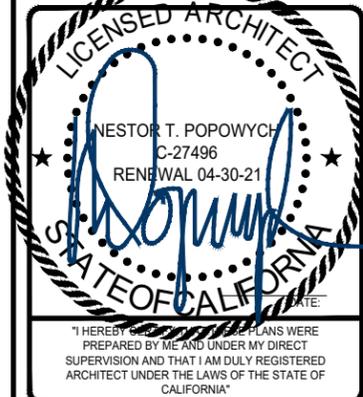
NOT USED		4
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AIR 32 B2a/B66Aa ANTENNA	1"=1'-0" (22x34) 1/2"=1'-0" (11x17)	1
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REVISIONS			
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△	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
△	04/24/20	CITY COMMENTS	AS

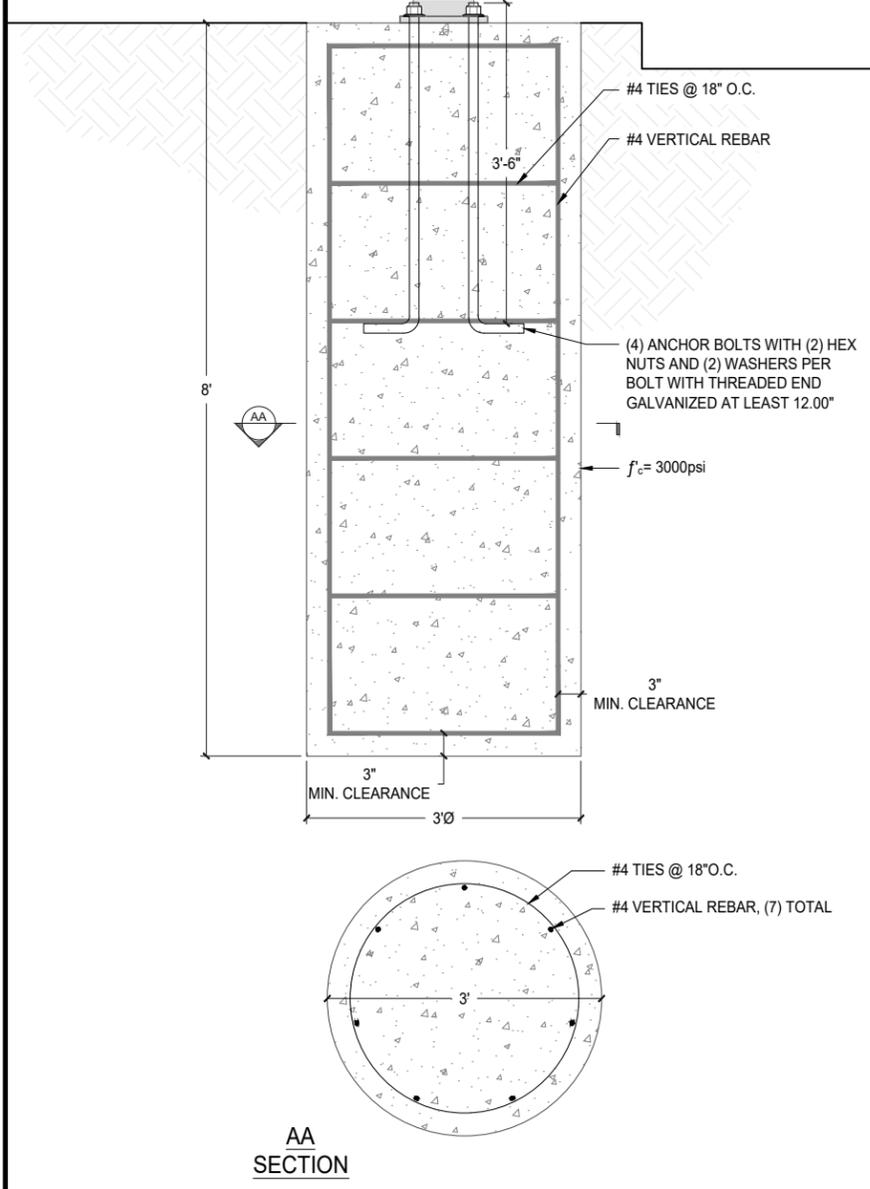


L1900  
 26TH & C STREET ROW  
 SD06486C  
 2598 1/3 C STREET  
 SAN DIEGO, CA 92102

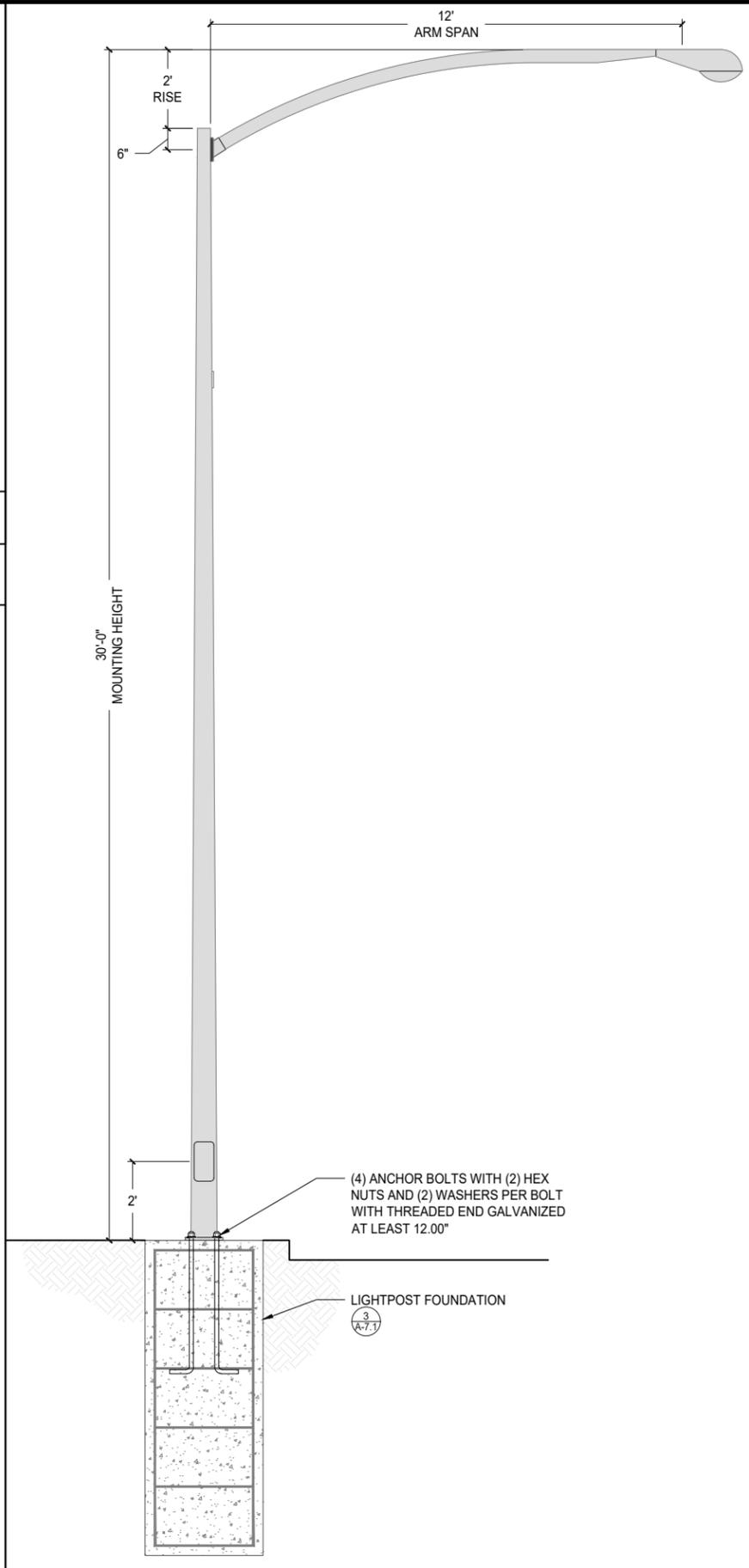
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**EQUIPMENT DETAILS & SPECIFICATIONS**

SHEET NUMBER  
**A-7.1**

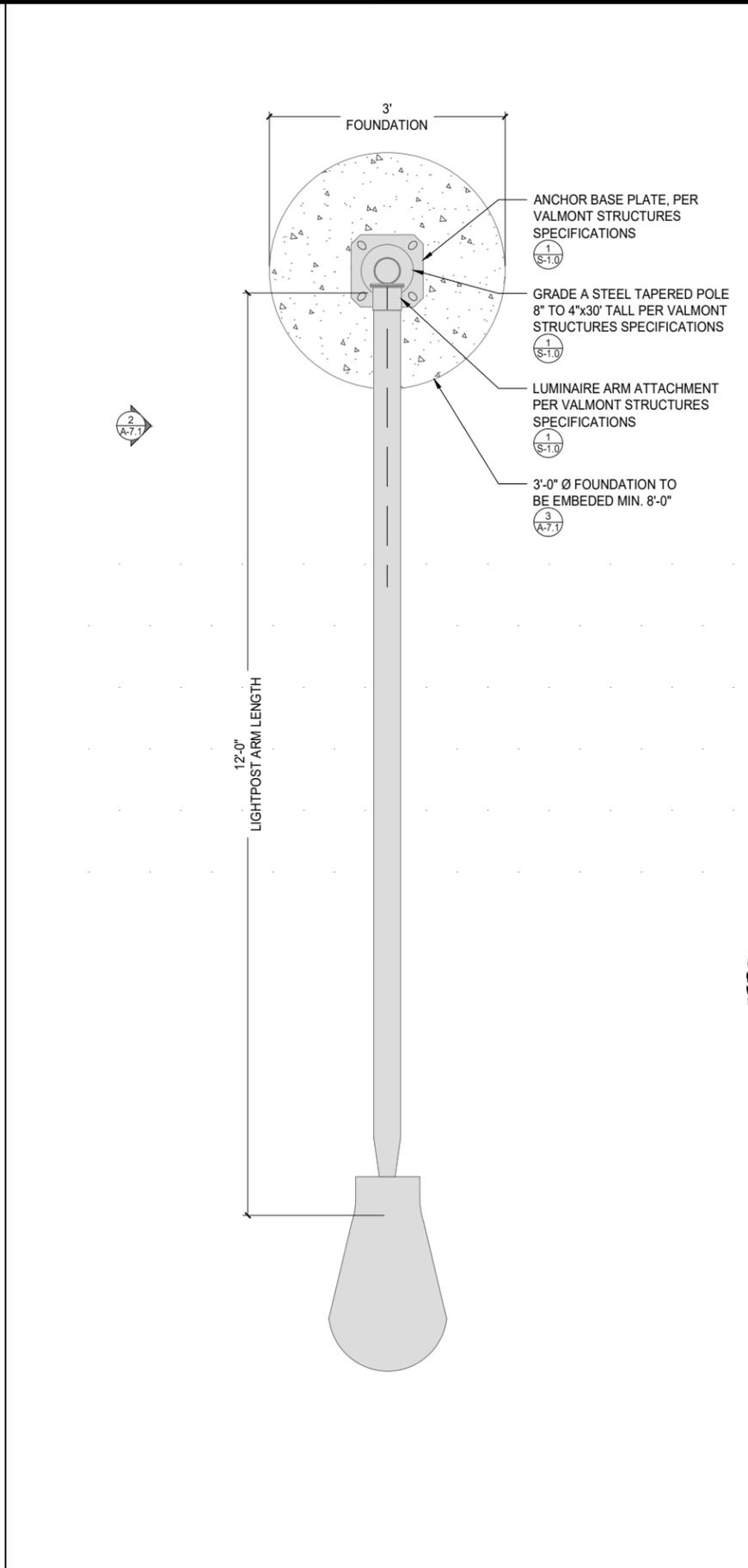
NOT USED 4



LIGHTPOST FOUNDATION 0 3" 6" 1' SCALE: 1"=1'-0" (22x34) (OR) 1/2"=1'-0" (11x17) 3



LIGHTPOST (ELEVATION) 0 1' 2' 3' SCALE: 3/8"=1'-0" (22x34) (OR) 3/16"=1'-0" (11x17) 2

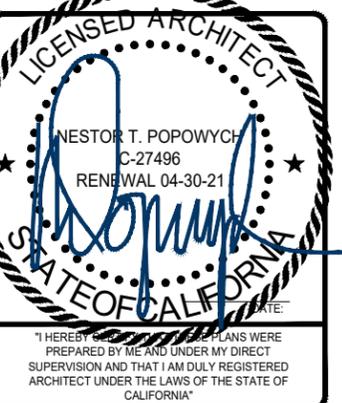


LIGHTPOST (PLAN) 0 3" 6" 1' SCALE: 1"=1'-0" (22x34) (OR) 1/2"=1'-0" (11x17) 1

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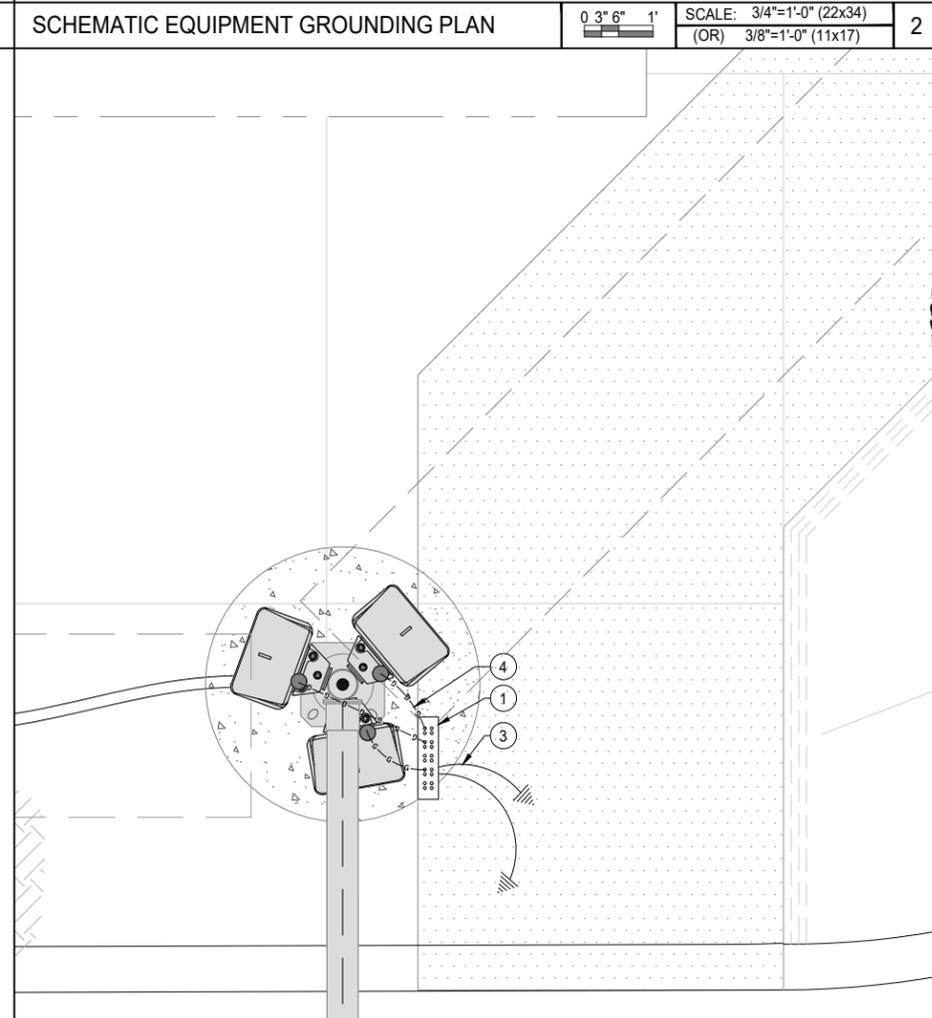
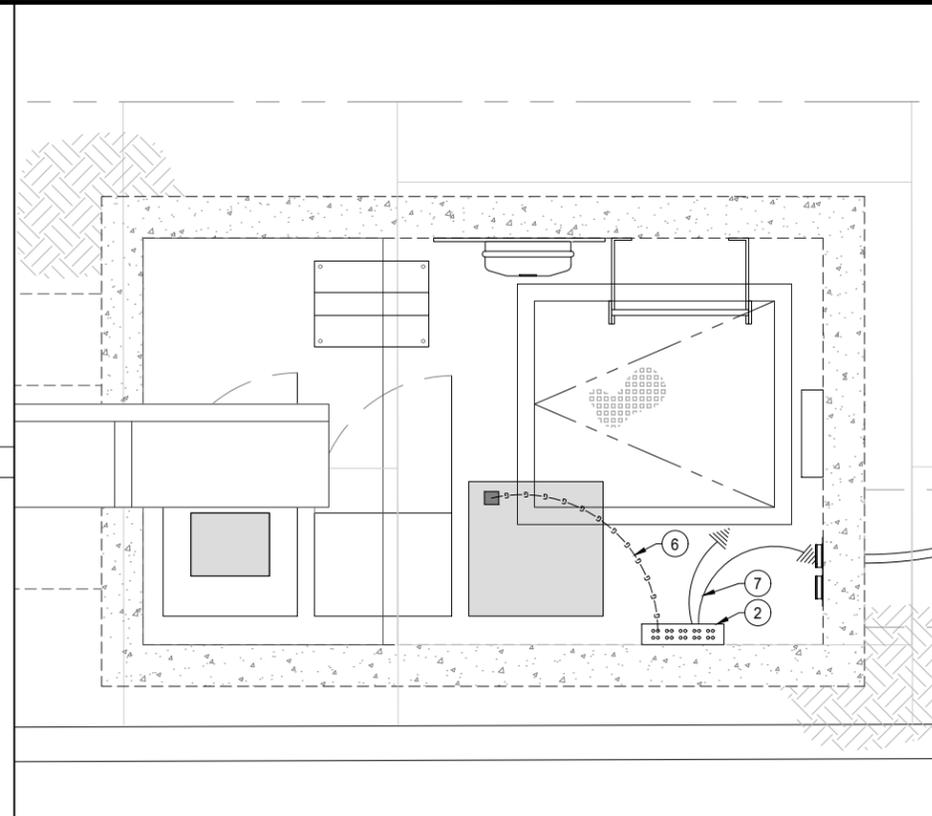
REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
1	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
3	01/08/19	CITY COMMENTS	JP
4	02/07/19	CITY COMMENTS	AR
5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
**SCHEMATIC GROUNDING PLANS, NOTES & DETAILS**

SHEET NUMBER  
**G-1.0**

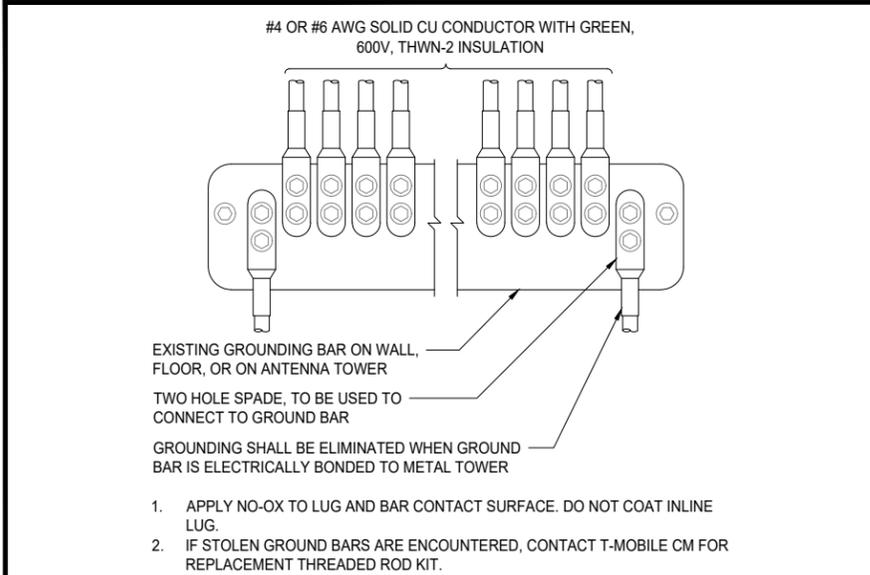


- NEW ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 5/G-1.
- EXISTING EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 6/G-1.
- NEW #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 6/G-1.
- PROPOSED #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- N/A: #6 AWG GROUND FROM RADIOS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
- PROPOSED: #6 AWG GROUND BATTERY CABINET TO EQUIPMENT GROUND BUS BAR. SEE DETAIL 6/G-1.
- EXISTING #6 AWG GROUND FROM EXISTING GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 4/G-1.

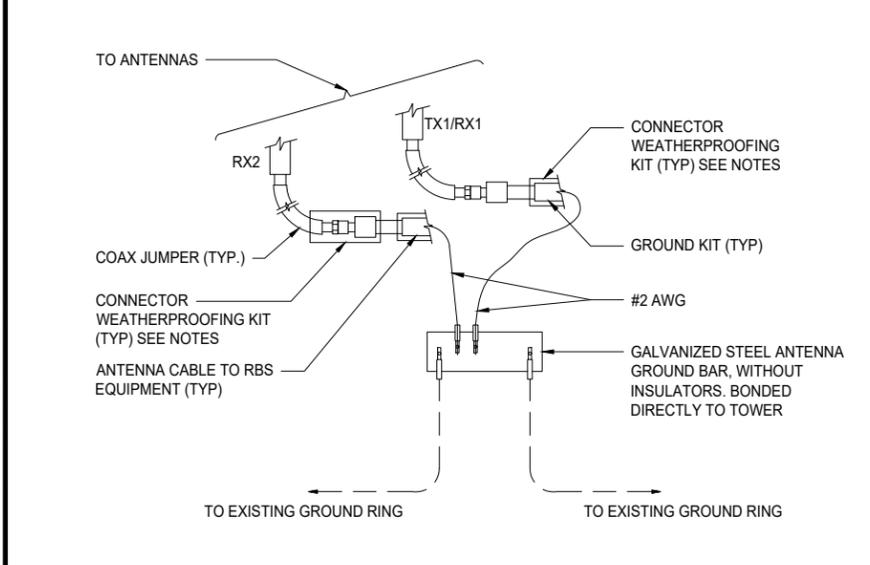
**GROUNDING LEGEND**

SYMBOL	DESCRIPTION
⊗	COPPER GROUND ROD
●	MECHANICAL CONNECTION
■	CADWELD CONNECTION
⚡	FIELD VERIFY & TIE INTO EXISTING GROUNDING SYSTEM
⊗	TEST WELL
⊞	GROUND BAR
—G—	GROUNDING WIRE

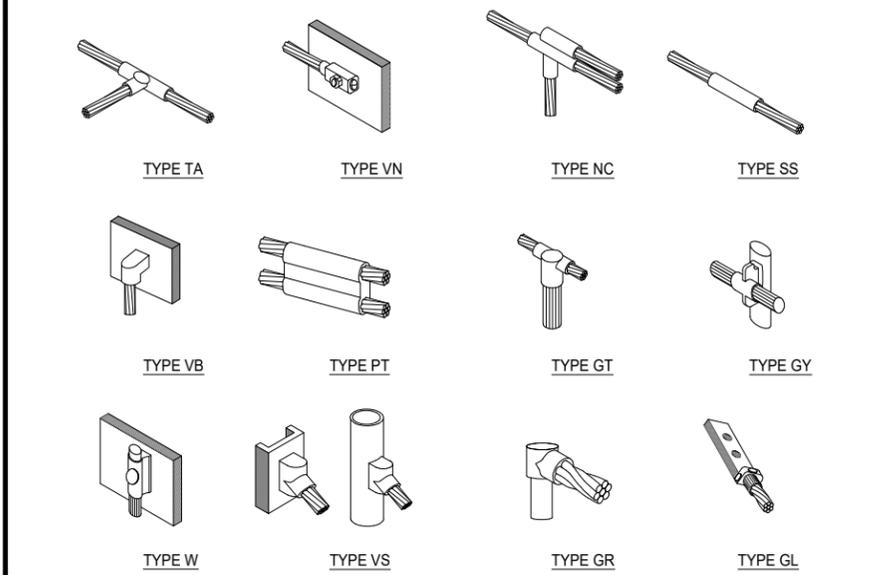
- GROUNDING KEY**
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
  - GROUND ALL ANTENNA BASES, FRAMES, CABLE RUNS, AND OTHER METALLIC COMPONENTS USING GROUND WIRES AND CONNECT TO SURFACE MOUNTED BUS BARS. FOLLOW ANTENNA AND BTS MANUFACTURES PRACTICES FOR GROUNDING REQUIREMENTS. GROUND COAX SHIELDS AT BOTH ENDS AND EXIT FROM TOWER OR POLE USING MFR'S PRACTICES.
  - ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
  - CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
  - REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
  - CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
  - CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
  - ELECTRICAL CONTRACTOR TO PROVIDE DETAILED DESIGN OF GROUNDING SYSTEM, AND RECEIVE APPROVAL OF DESIGN BY AUTHORIZED T-MOBILE REPRESENTATIVE, PRIOR TO INSTALLATION OF GROUNDING SYSTEM. PHOTO DOCUMENT ALL CADWELDS AND GROUND RING.
  - NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
  - GROUNDING ROD NOTES (WHERE APPLICABLE)
  - ELECTRICAL CONTRACTOR SHALL ORDER GROUND RESISTANCE TESTING ONCE THE GROUND SYSTEM HAS BEEN INSTALLED; A QUALIFIED INDIVIDUAL, UTILIZING THE FALL OF POTENTIAL METHOD, SHOULD PERFORM THE TEST. THE REPORT WILL SHOW THE LOCATION OF THE TEST AND CONTAIN NO LESS THAN 9 TEST POINTS ALONG THE TESTING LINE, GRAPHED OUT TO SHOW THE PLATEAU.
  - POINT GROUND TEST OR 3 POINT 62% TESTS WILL NOT BE ACCEPTED AS ALTERNATIVES TO THE AFORE MENTIONED GROUND TESTS. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED. TEST SHALL BE PERFORMED WHILE THE COUNTERPOISE IS ISOLATED FROM THE A/C SYSTEM GRIDS AND EXISTING COMMUNICATIONS FACILITY.



WIRE INSTALLATION SCALE N.T.S. 7



GROUND CABLE CONNECTION SCALE N.T.S. 6

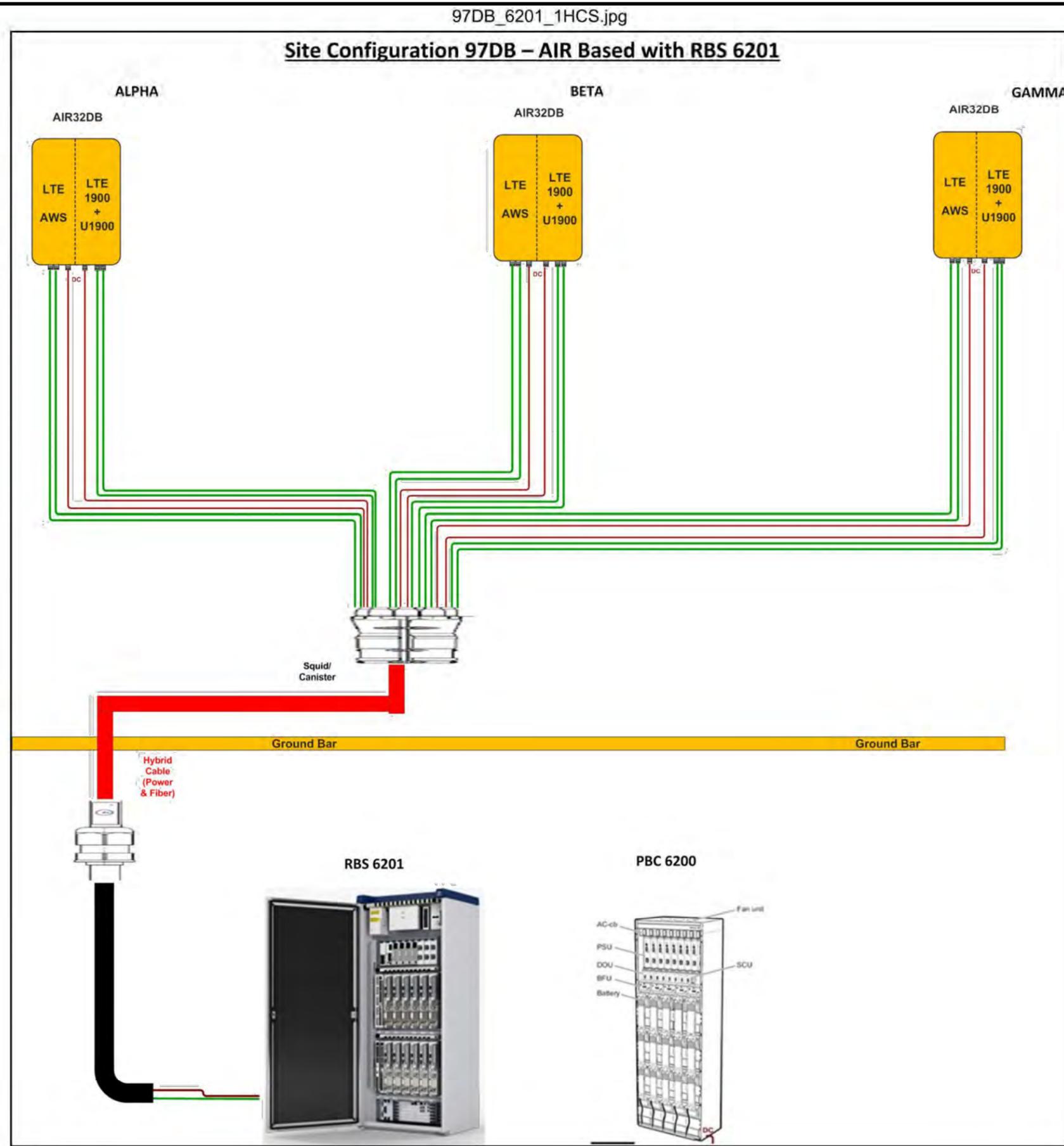


EXOTHERMIC WELD CONNECTIONS SCALE N.T.S. 5

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GENERAL GROUNDING NOTES SCALE N.T.S. 3

SCHEMATIC ANTENNA GROUNDING PLAN SCALE: 1"=1'-0" (22x34) (OR) 1/2"=1'-0" (11x17) 1



Notes:

REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
△	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
△	01/08/19	CITY COMMENTS	JP
△	02/07/19	CITY COMMENTS	AR
△	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
△	04/24/20	CITY COMMENTS	AS

RF DESIGN BY  
T-MOBILE  
FOR REFERENCE  
USE ONLY

DATE: \_\_\_\_\_

L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
  
EQUIPMENT  
CONFIGURATION

SHEET NUMBER  
  
RF-1.0

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1	07/27/18	CUP COMMENTS	JL
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3	01/08/19	CITY COMMENTS	JP
4	02/07/19	CITY COMMENTS	AR
5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS

FOR REFERENCE USE ONLY

DATE: \_\_\_\_\_

L1900  
26TH & C STREET ROW  
SD06486C  
2598 1/3 C STREET  
SAN DIEGO, CA 92102

SHEET TITLE  
VALMONT STRUCTURES  
SPECIFICATIONS

SHEET NUMBER  
S-1.0

## ROUND TAPERED STEEL

### Smooth DS32

Job Name: \_\_\_\_\_ Client Name: \_\_\_\_\_

Job Location - City: \_\_\_\_\_ State: \_\_\_\_\_ Created By: \_\_\_\_\_ Date: \_\_\_\_\_

Product: DS32 \_\_\_\_\_ Quote: \_\_\_\_\_ Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Job Name: \_\_\_\_\_ Client Name: \_\_\_\_\_

Job Location - City: \_\_\_\_\_ State: \_\_\_\_\_ Created By: \_\_\_\_\_ Date: \_\_\_\_\_

Product: DS32 \_\_\_\_\_ Quote: \_\_\_\_\_ Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_

### SPECIFICATIONS

**Pole** - The pole shaft conforms to ASTM A595 Grade A with a constant linear taper of 0.14 in/ft.

**Pole Top** - A removable pole cap with hardware is provided.

**Luminaire Arm** - Luminaire arm shaft conforms to ASTM A595 Grade A with a constant linear taper of 0.14 in/ft. Double luminaire arms are oriented 180° apart. For other orientations please consult factory.

**Luminaire Arm Attachment** - The luminaire arm and pole connection plates conform to ASTM A36.

**Handhole** - A covered handhole and grounding provision with hardware is provided.

**Nut Covers** - Anchor bolt nut covers with hardware are provided.

**Full Base Cover** - Optional two-piece full base cover is fabricated from ABS plastic. Valmont reserves the right to provide an optional two-piece steel full base cover on some applications depending upon the finish requirement and/or pole base diameter.

**Anchor Base** - The anchor base (base plate) conforms to ASTM A36.

**Anchor Bolts** - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an 'L' bend on one end and are galvanized a minimum of 12" on the threaded end.

**Hardware** - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**Finish** - Standard finishes are galvanized, prime painted or any of Valmont's V-PRO™ Protection Systems. Additional finish options available upon request.

**Design Criteria** - Please reference Design Criteria Specification for appropriate design conditions.

### ARM DATA

ARM DIA (FT)	RISE (FT)	BASE DIA (IN)	END DIA (IN)	WALL THK (IN)
4	0'-8"	3.00	2.40	11
5	1'-0"	3.30	2.40	11
6	1'-4"	3.60	2.40	11
7	1'-8"	3.90	2.40	11
8	2'-0"	4.10	2.40	11
9	2'-4"	4.50	2.40	11

### ANCHORAGE DATA

POLE DIA (IN)	BASE PLATE			ANCHOR BOLTS		
	DIAM (IN)	THK (IN)	DIAM x LENGTH x HOOR (IN)	DIAM (IN)	LENGTH (IN)	THK (IN)
7.50	10.50	0.50	11.25 x 0.875 x 36.00 ± 4.00	4.13	0.25	
8.00	11.00	0.50	11.50 x 0.875 x 36.00 ± 4.00	4.13	0.25	
8.50	11.50	0.50	12.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
9.00	12.00	0.50	12.38 x 1.000 x 36.00 ± 4.00	4.25	0.25	
9.50	12.50	0.50	13.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
10.00	13.00	0.50	14.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
10.50	14.00	0.50	14.50 x 1.250 x 42.00 ± 6.00	5.00	0.25	

### LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	QUANTITY OF ARMS	100 MPM. W/ 50/21		POLE DIMENSIONS		MODEL NUMBER			
		MAX. ARM LENGTH (FT)	MAX. LUMINAIRE WGT (LBS)	BASE DIA (IN)	TOP DIA (IN)				
30'-0"	Single	15	2.0	75	8.00	4.01	11	345	R50A236
	Double	12	2.0	75	7.50	3.51	11	330	R75A236
35'-0"	Single	15	2.0	75	8.00	4.01	11	445	R50A236
	Double	8	2.0	75	8.00	3.31	11	340	R80A336
40'-0"	Single	12	2.0	75	8.50	3.81	11	395	R50A336
	Double	15	2.0	75	9.00	4.31	11	425	R90A336
45'-0"	Single	8	2.0	75	8.00	3.31	11	385	R80A336
	Double	12	2.0	75	8.50	3.81	11	470	R85A336
50'-0"	Single	10	2.0	75	9.00	4.31	11	515	R90A336
	Double	15	2.0	75	9.50	4.81	11	420	R50A336
55'-0"	Single	12	2.0	75	9.50	4.11	11	455	R50A336
	Double	15	2.0	75	10.00	4.81	11	515	RT0A336
60'-0"	Single	10	2.0	75	9.00	3.61	11	490	R90A336
	Double	12	2.0	75	9.50	4.11	11	560	R95A336
65'-0"	Single	15	2.0	75	10.00	4.81	11	600	RT0A336
	Double	10	2.0	75	9.50	3.41	11	590	R90A436
70'-0"	Single	12	2.0	75	10.00	3.91	11	560	RT0A436
	Double	15	2.0	75	10.50	4.41	10	645	RT50A436
75'-0"	Single	10	2.0	75	9.50	3.41	11	585	R950A436
	Double	12	2.0	75	10.00	3.91	11	645	RT00A436
80'-0"	Single	15	2.0	75	10.50	4.41	10	740	RT50B436

### PRODUCT ORDERING CODES

DS32	ARM DIA (FT)	RISE (FT)	BASE DIA (IN)	END DIA (IN)	WALL THK (IN)	FINISH	PROTECTION SYSTEM	ANCHOR BOLTS	FASTENERS	BASE COVER	HANDHOLE	GROUNDING
	4	0'-8"	3.00	2.40	11							
	5	1'-0"	3.30	2.40	11							
	6	1'-4"	3.60	2.40	11							
	7	1'-8"	3.90	2.40	11							
	8	2'-0"	4.10	2.40	11							
	9	2'-4"	4.50	2.40	11							

## ROUND TAPERED STEEL

### Smooth DS32

Job Name: \_\_\_\_\_ Client Name: \_\_\_\_\_

Job Location - City: \_\_\_\_\_ State: \_\_\_\_\_ Created By: \_\_\_\_\_ Date: \_\_\_\_\_

Product: DS32 \_\_\_\_\_ Quote: \_\_\_\_\_ Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_

Job Name: \_\_\_\_\_ Client Name: \_\_\_\_\_

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Product: DS32 \_\_\_\_\_ Quote: \_\_\_\_\_ Customer Approval: \_\_\_\_\_ Date: \_\_\_\_\_

### ANCHORAGE DATA

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	DIAM (IN)	THK (IN)	DIAM x LENGTH x HOOR (IN)	DIAM (IN)	LENGTH (IN)	THK (IN)
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8.00	11.00	0.50	11.50 x 0.875 x 36.00 ± 4.00	4.13	0.25	
8.50	11.50	0.50	12.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
9.00	12.00	0.50	12.38 x 1.000 x 36.00 ± 4.00	4.25	0.25	
9.50	12.50	0.50	13.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
10.00	13.00	0.50	14.00 x 1.000 x 36.00 ± 4.00	4.25	0.25	
10.50	14.00	0.50	14.50 x 1.250 x 42.00 ± 6.00	5.00	0.25	

### LOAD AND DIMENSIONAL DATA

NOMINAL MOUNTING HEIGHT	QUANTITY OF ARMS	100 MPM. W/ 50/21		POLE DIMENSIONS		MODEL NUMBER			
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	Double	15	2.0	75	9.50	4.81	11	420	R50A336
55'-0"	Single	12	2.0	75	9.50	4.11	11	455	R50A336
	Double	15	2.0	75	10.00	4.81	11	515	RT0A336
60'-0"	Single	10	2.0	75	9.00	3.61	11	490	R90A336
	Double	12	2.0	75	9.50	4.11	11	560	R95A336
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	Double	10	2.0	75	9.50	3.41	11	590	R90A436
70'-0"	Single	12	2.0	75	10.00	3.91	11	560	RT0A436
	Double	15	2.0	75	10.50	4.41	10	645	RT50A436
75'-0"	Single	10	2.0	75	9.50	3.41	11	585	R950A436
	Double	12	2.0	75	10.00	3.91	11	645	RT00A436
80'-0"	Single	15	2.0	75	10.50	4.41	10	740	RT50B436

### PRODUCT ORDERING CODES

DS32	ARM DIA (FT)	RISE (FT)	BASE DIA (IN)	END DIA (IN)	WALL THK (IN)	FINISH	PROTECTION SYSTEM	ANCHOR BOLTS	FASTENERS	BASE COVER	HANDHOLE	GROUNDING
	4	0'-8"	3.00	2.40	11							
	5	1'-0"	3.30	2.40	11							
	6	1'-4"	3.60	2.40	11							
	7	1'-8"	3.90	2.40	11							
	8	2'-0"	4.10	2.40	11							
	9	2'-4"	4.50	2.40	11							

SPEC 3008 D417 valmontstructures.com carries the most current spec information and supersedes these guidelines.

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