



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 26th & 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 26th 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 26th 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.

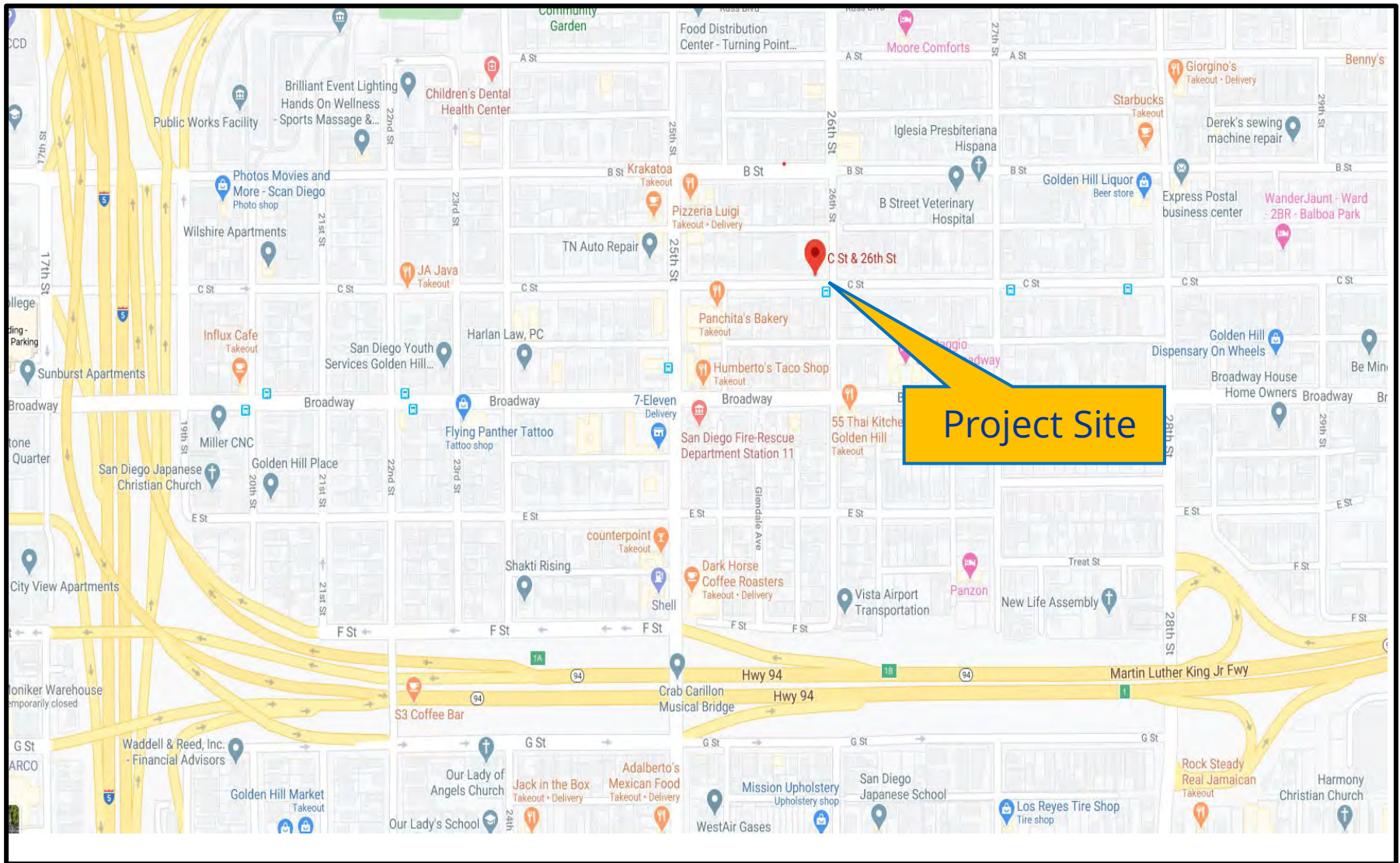
Respectfully submitted,



Nilia Safi, Development Project Manager

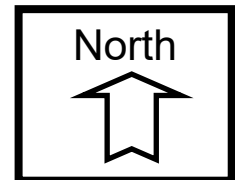
Attachments:

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

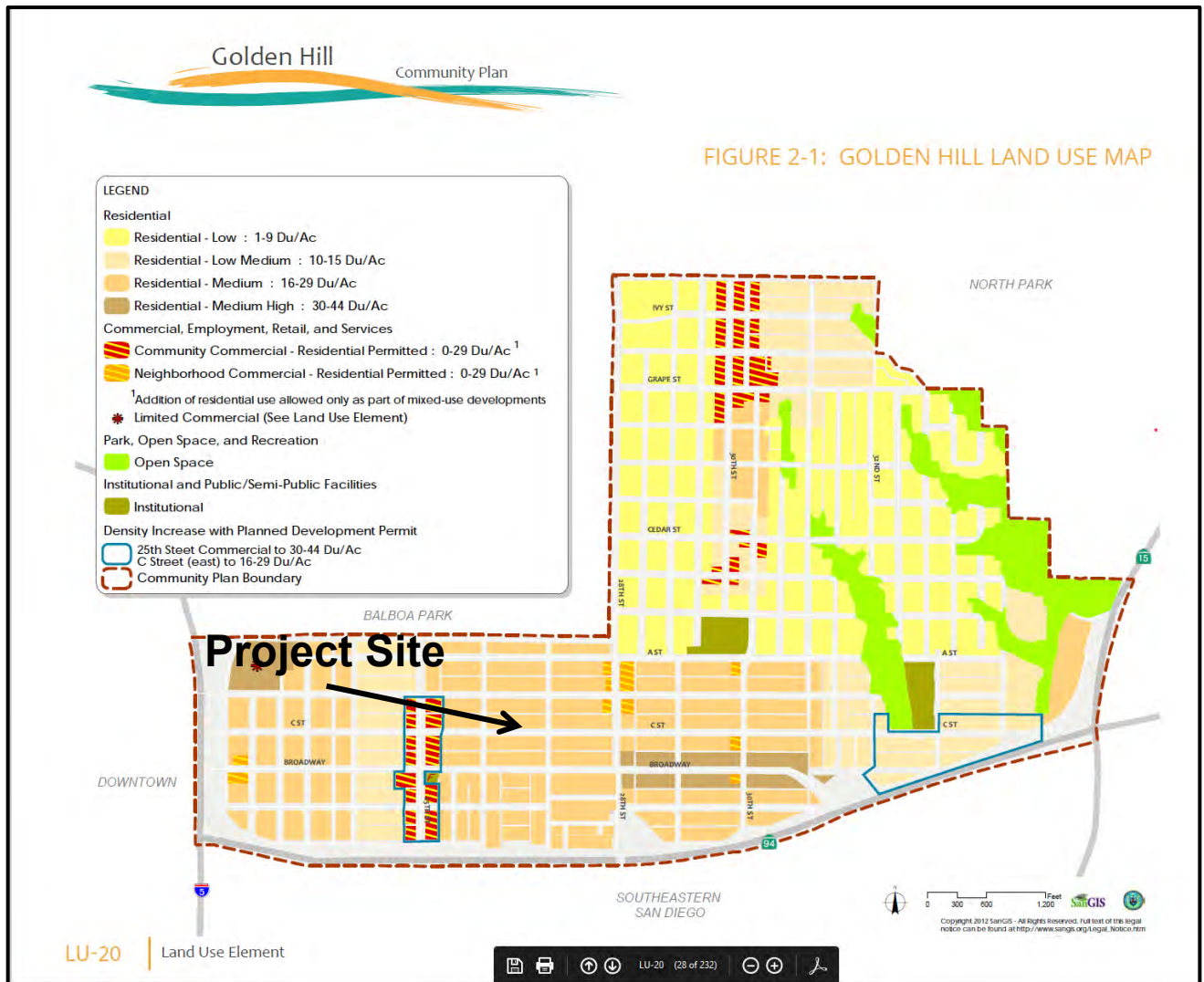


Project Location Map

T-Mobile 26th & C Street
PROJECT NO. 533580

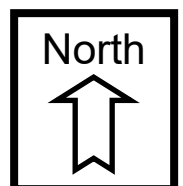


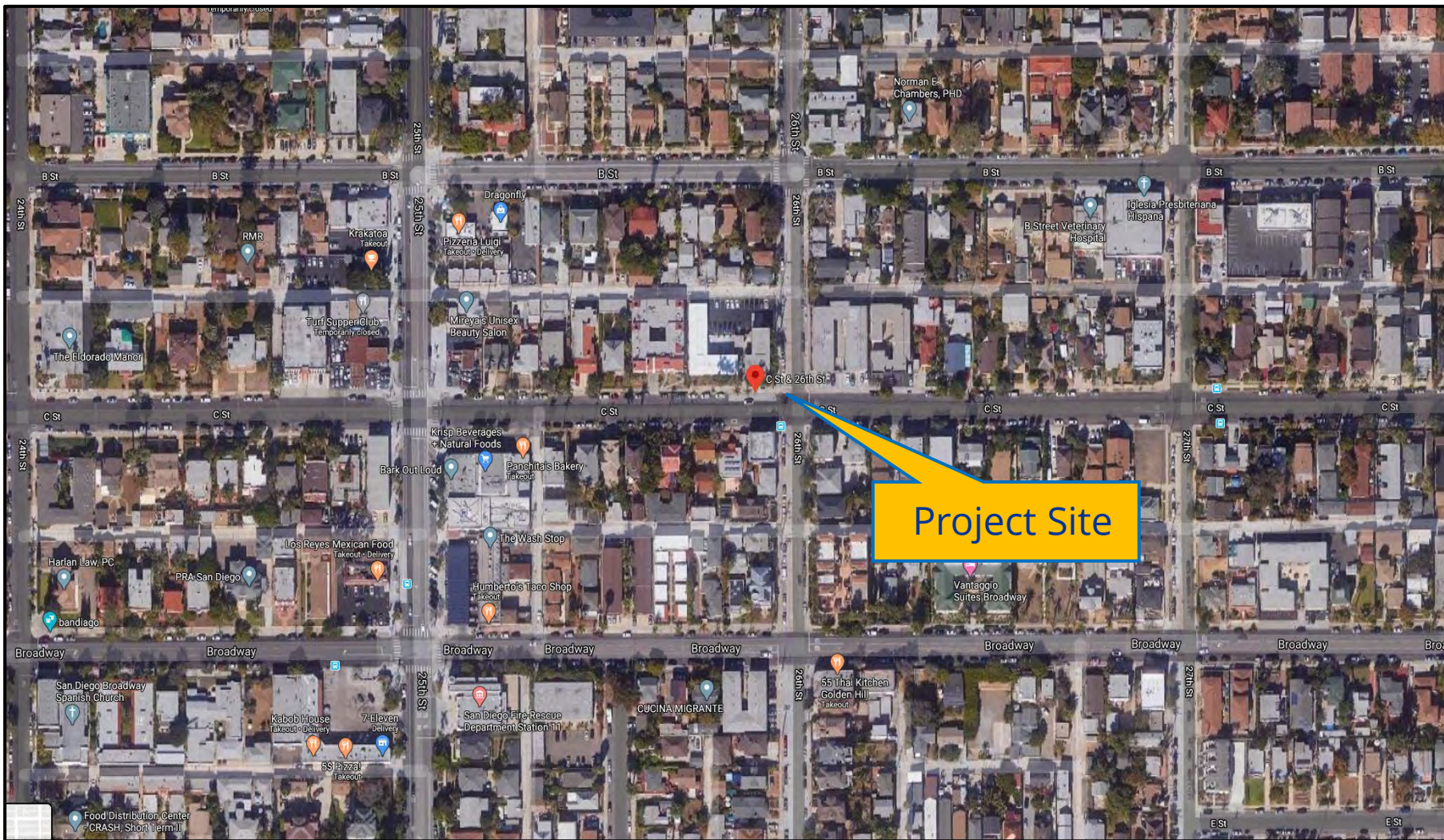
Golden Hill Community Plan



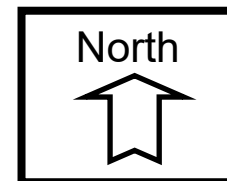
Land Use Map

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





Aerial Photo T-Mobile / 26th & C Street PROJECT NO. 533580



PROJECT DATA SHEET		
PROJECT NAME:	T- Mobile 26 th and C Street	
PROJECT DESCRIPTION:	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.	
COMMUNITY PLAN AREA:	Golden Hill	
DISCRETIONARY ACTIONS:	Conditional Use Permit (CUP)	
COMMUNITY PLAN LAND USE DESIGNATION:	Residential Medium; 16-29 Du/Ac	
ZONING INFORMATION: <div> ZONE: RM-1-2 HEIGHT LIMIT: 30-Feet LOT SIZE: N/A FRONT SETBACK: N/A SIDE SETBACK: N/A STREETSIDE SETBACK: N/A REAR SETBACK: N/A </div>		
ADJACENT PROPERTIES:	LAND USE DESIGNATION & ZONE	EXISTING LAND USE
NORTH:	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
SOUTH:	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
EAST:	RM-2-5; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
WEST:	RM-1-2; Residential Medium 16-29 Du/Ac	Multi-Unit Residential
DEVIATION REQUESTED:	None	
COMMUNITY PLANNING GROUP RECOMMENDATION:	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 26TH & 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 26th 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 26th 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 26th 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 26th 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.

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 26th & 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 26th 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.

ATTACHMENT 6

- 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

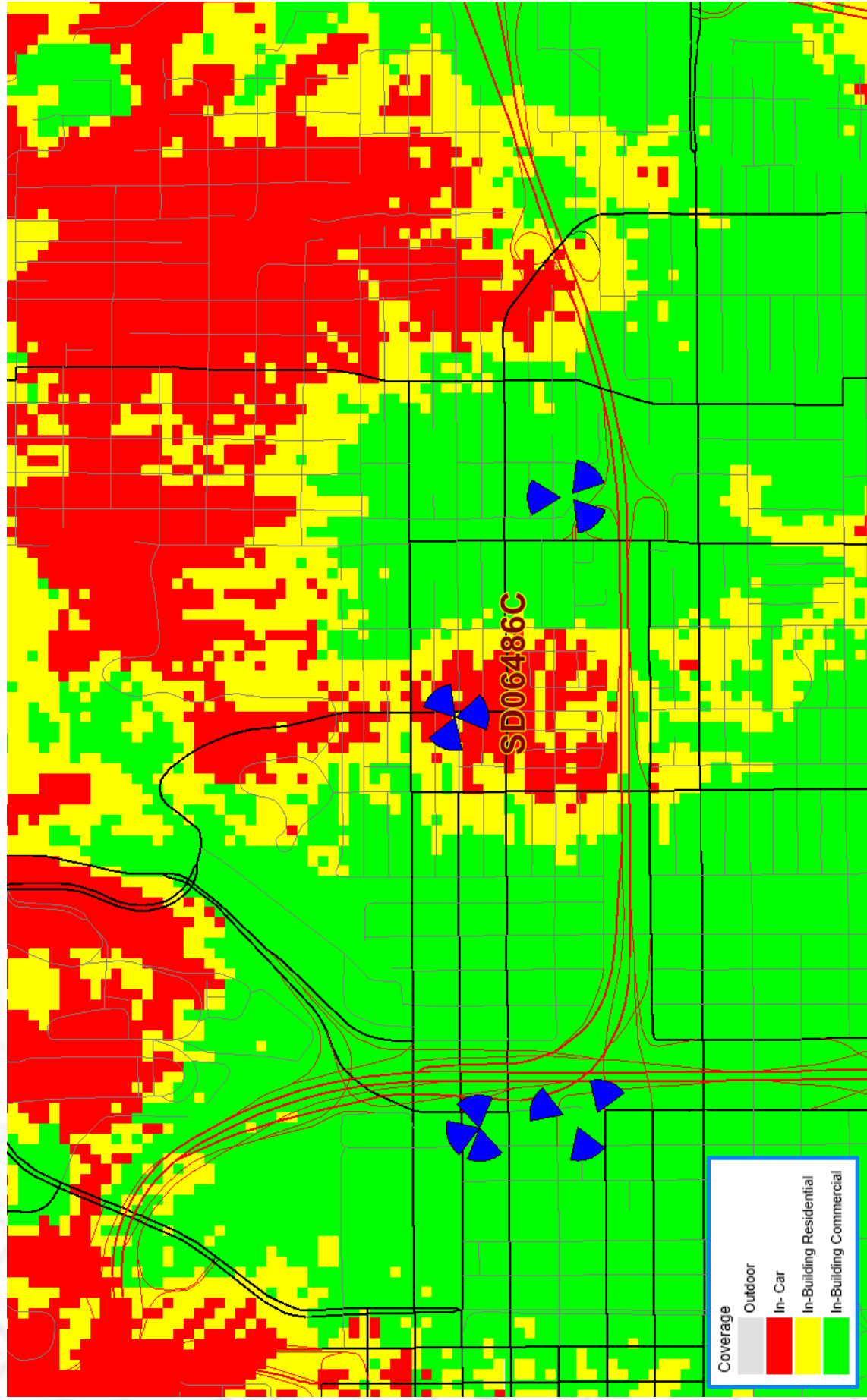
By _____
NAME:
TITLE:

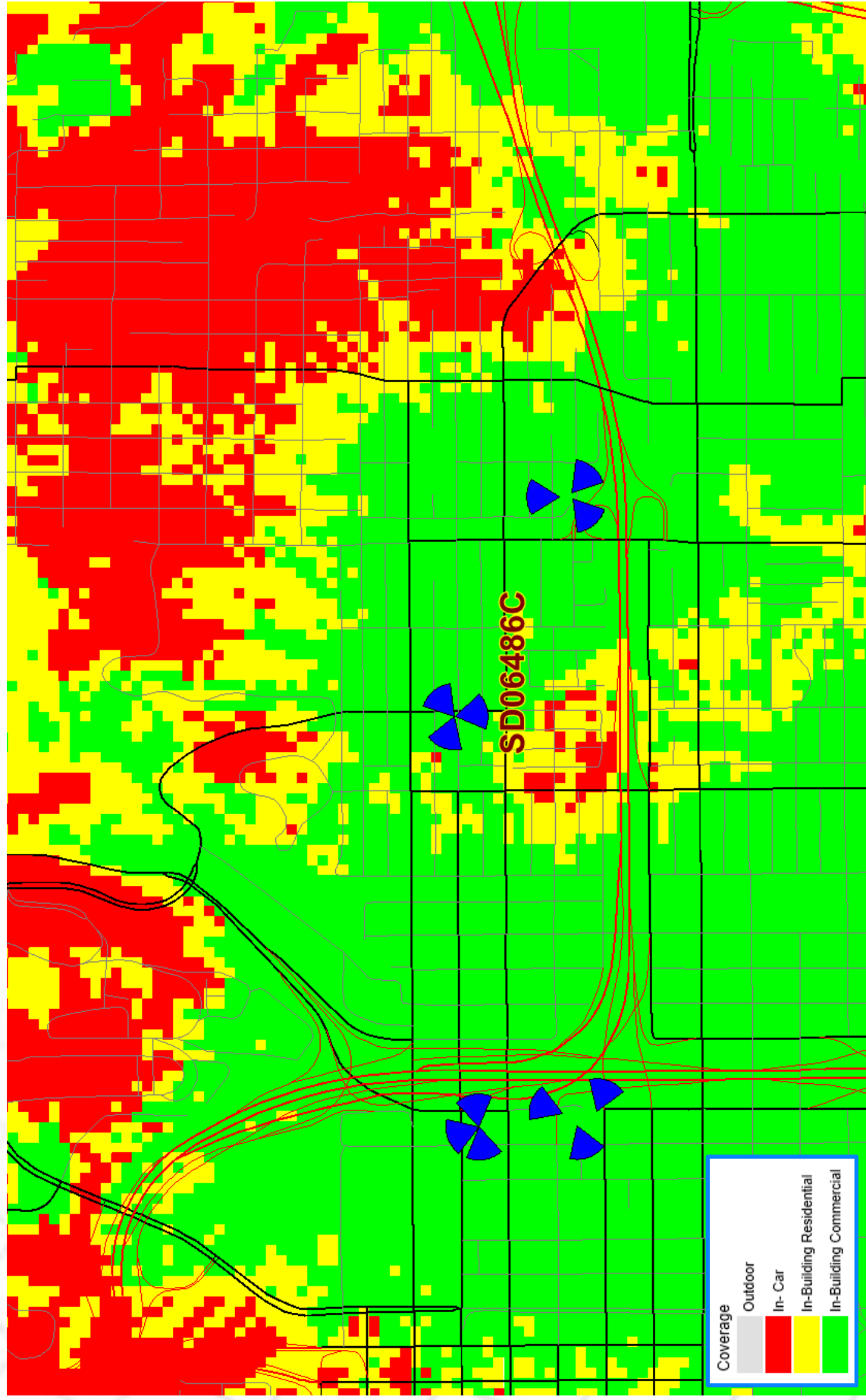
**NOTE: Notary acknowledgments
must be attached per Civil Code
section 1189 et seq.**

SD06486C Coverage Maps

RF Team San Diego Market







NOTICE OF EXEMPTION**ATTACHMENT 8***(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 26th 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						
		City of San Diego Development Services		Community Planning Committee Distribution Form						
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 https://aca.accela.com/SANDIEGO.</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 Vandenheuvel										
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

Ariel 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.)

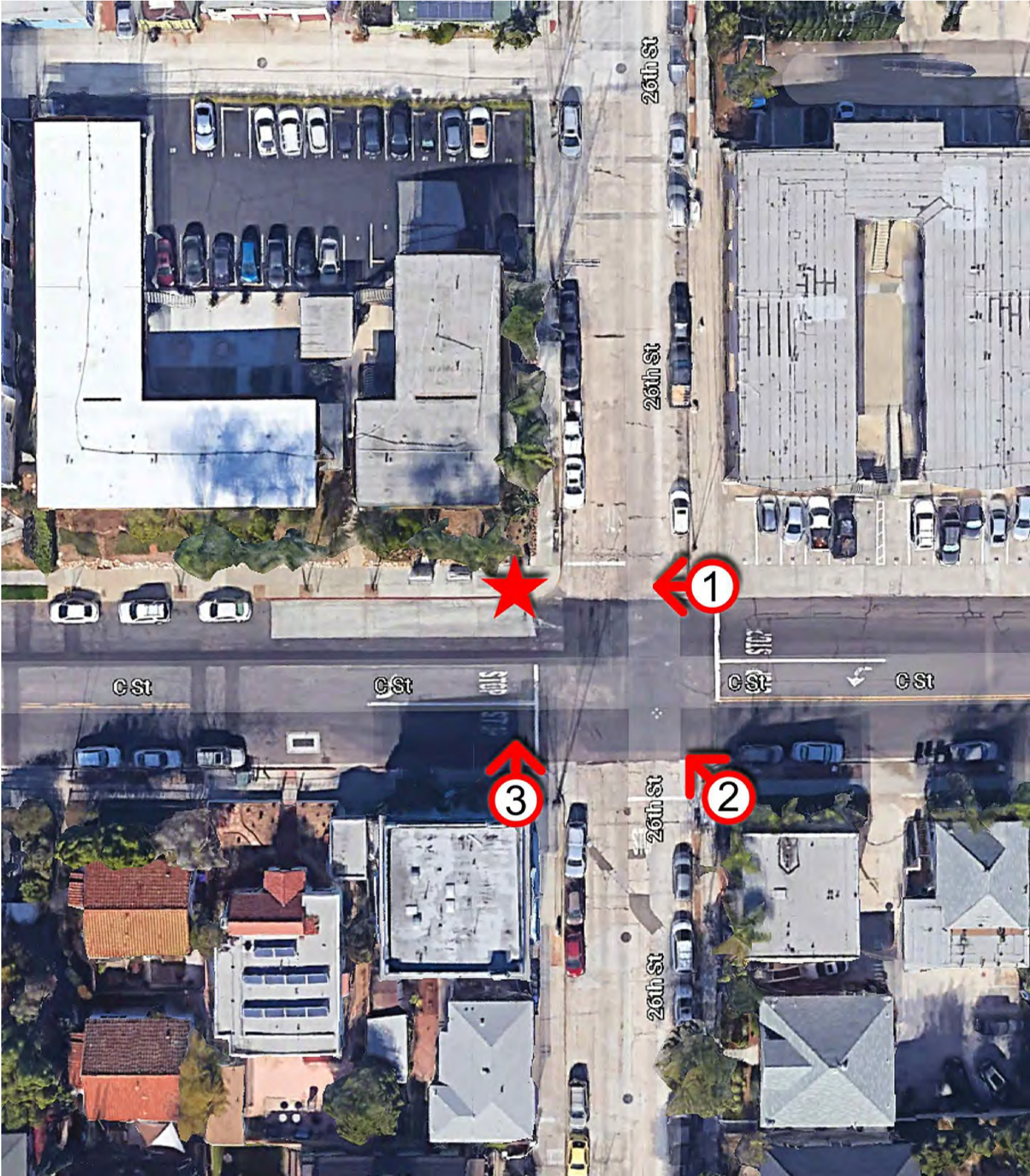
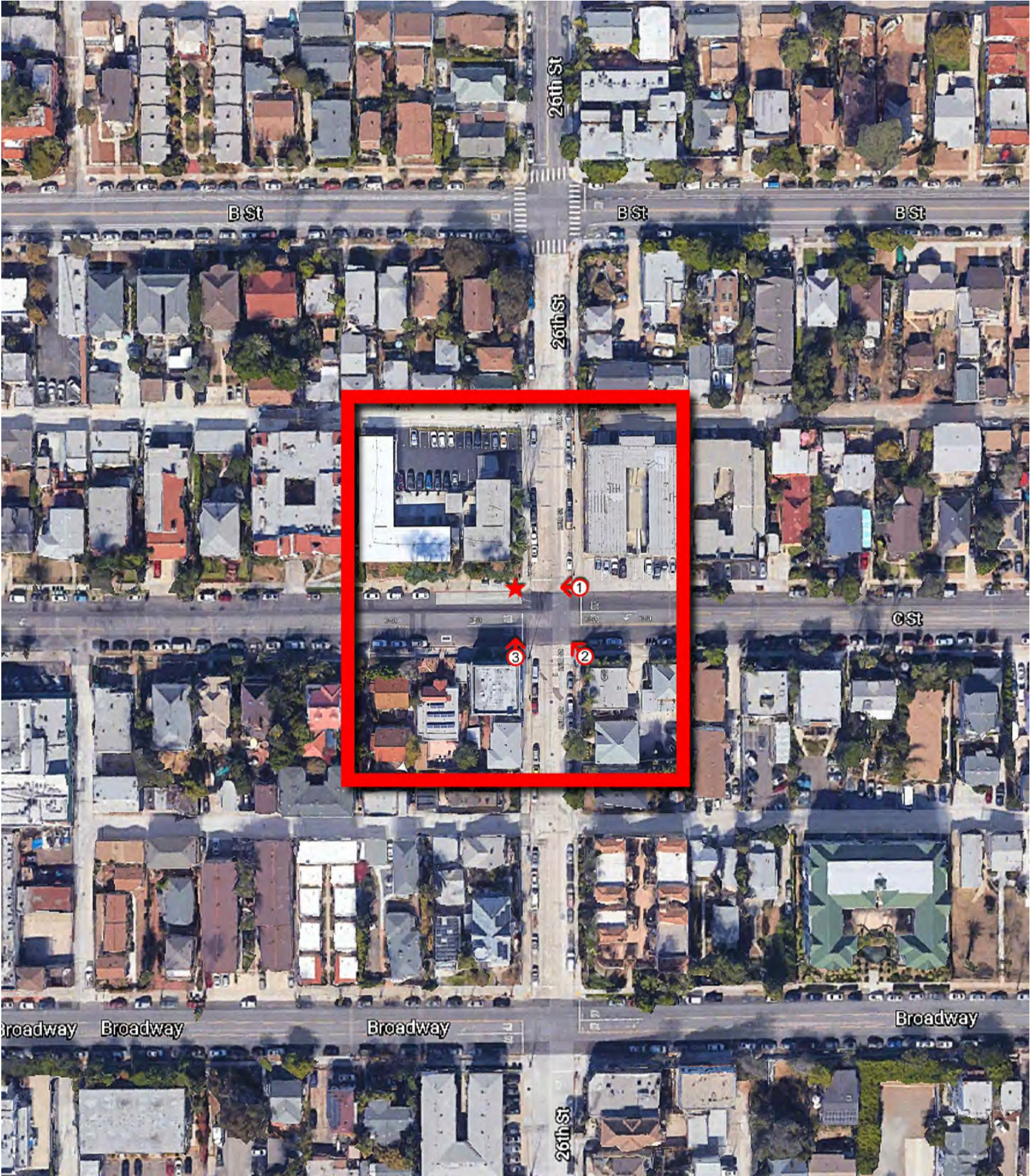
(Amended 9-29-2006 by O-19545 N.S.; effective 4-11-2007.)

(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



NEW

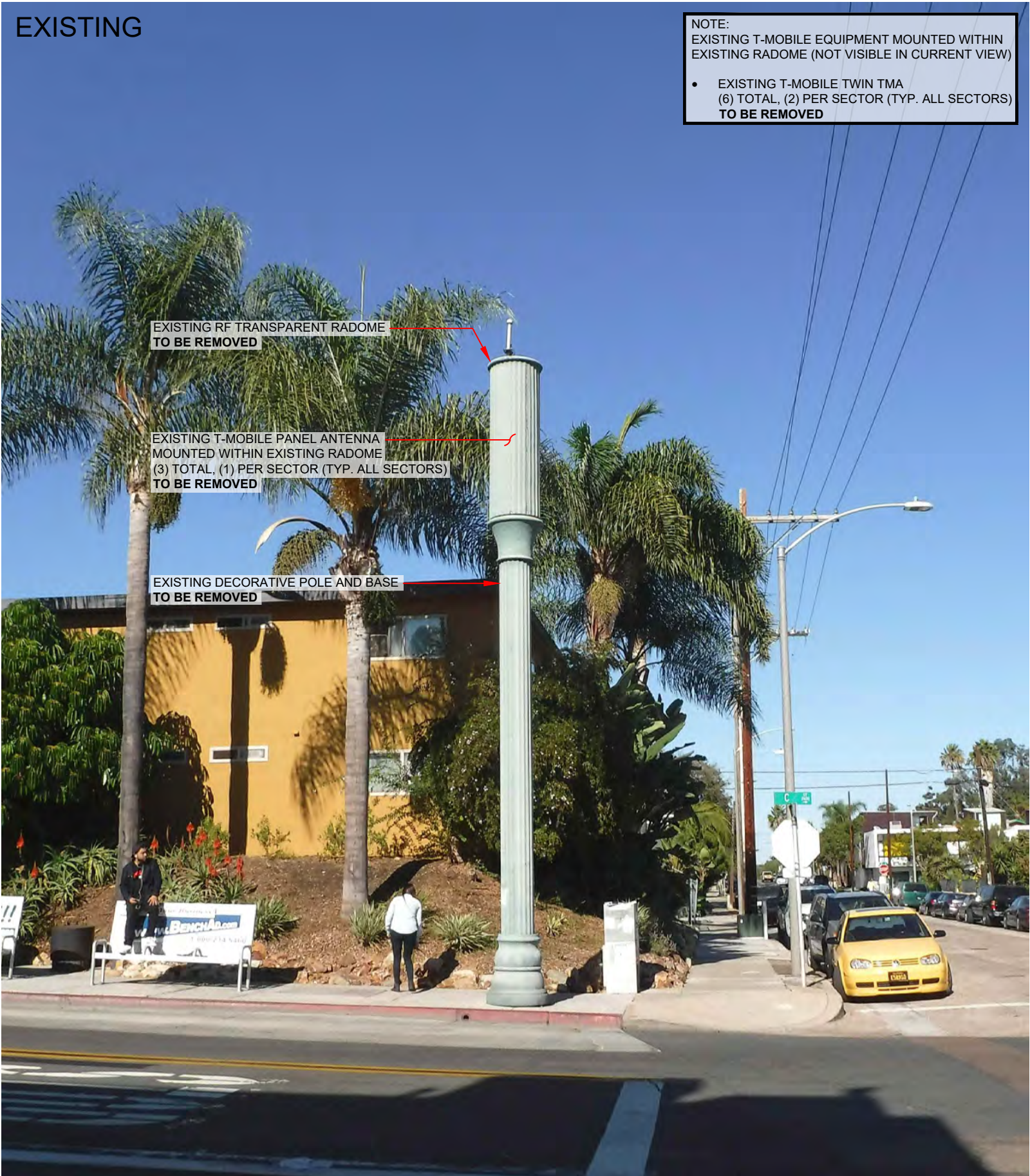


PHOTOSIMULATION VIEWPOINT 2



PHOTOSIMULATION VIEWPOINT 3

EXISTING



NEW





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 (3/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
COUNTY 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

PROJECT TEAM

ARCHITECT: SAC WIRELESS
NESTOR POPOWYCH, A.I.A.
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
CONTACT: DENNIS YOSHII
PHONE: (619) 736-3766 X105
EMAIL: dennis.yoshii@sacw.com
ENGINEER: SAC WIRELESS
TAHZAY RAMIREZ, P.E.
5015 SHOREHAM PLACE, STE 150
SAN DIEGO, CA 92122
PHONE: (619) 736-3766 X114
EMAIL: tahzay.ramirez@sacw.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
CONSTRUCTION MANAGER: T-MOBILE USA
KIRT BABCOCK
10509 VISTA SORRENTO PKWY
STE 206
SAN DIEGO, CA 92121
PHONE: (858) 334-6139
EMAIL: kirt.babcock@T-Mobile.com
RF ENGINEER: T-MOBILE USA
MUSTAFA AJMAL
10509 VISTA SORRENTO PKWY
STE 206
SAN DIEGO, CA 92121
PHONE: -
EMAIL: mustafa.ajmal@T-Mobile.com

VICINITY MAP



SCOPE OF WORK

- T-MOBILE PROPOSES TO:
- REMOVE (3) EXISTING PANEL ANTENNAS
 - INSTALL (3) NEW AIR PANEL ANTENNAS
 - REMOVE (6) EXISTING TWIN TMAs
 - 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

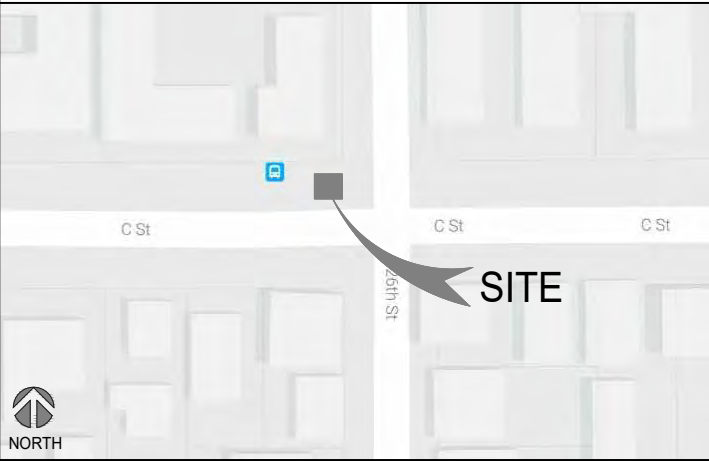
DRIVING DIRECTIONS

- 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

LOCATION MAP



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.

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

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: _____

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



"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

TITLE SHEET

SHEET NUMBER

T-1.0

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.

GENERAL NOTES:

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

A. TRANSMITTER

B. RF FILTER

C. MFTS RACKS

D. AUXILIARY EQUIPMENT IN MFTS RACK

E. PUMP ASSEMBLY

F. HEAT EXCHANGE

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

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

I. UHF COAX AND HANGERS

J. 480-208 & 208-400 ELECTRICAL TRANSFORMER

K. AUTOMATIC TRANSFER SWITCH AND GENERATOR

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

M. INTEGRATED LOAD CENTER

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

SITE WORK NOTES:

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

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

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

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

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

PAINTING NOTES & SPECIFICATIONS:

A. GENERAL

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

B. COATING SYSTEM SPECIFICATIONS

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

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:

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

BATTERY NOTES:

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

FIRE DEPARTMENT NOTES:

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

ATTACHMENT 13



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

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

NOTICE




Radio frequency fields beyond this point may exceed the FCC general public exposure limit. Obey all posted signs and site guidelines for working in radio frequency environments.
In accordance with Federal Communications Commission rules on radio frequency emissions 47 CFR 1.1307 (b)

AVISO



Los campos de frecuencias de radio a partir de este punto podrán exceder el límite del cual el FCC permite que el público en general podrá estar expuesto.
Obedezca todas las señales indicadas y las guías del sitio para trabajar en los ambientes de frecuencia de radio.
De acuerdo a las reglas de la Comisión Federal de Comunicaciones (FCC) sobre las emisiones de frecuencias de radio 47 CFR 1.1307(b)

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

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 obedezca 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

LEGEND

- 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
 - 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
 - ADOPTED MOBILITY ELEMENT:
<https://www.sandiego.gov/sites/default/files/legacy/planning/genplan/pdf/generalplan/adoptedmobilityelem1ab.pdf>

ABBREVIATION DEFINITION

A.B.	ANCHOR BOLT	GRND.	GROUND
ABV.	ABOVE	HDR.	HEADER
AC	AIR CONDITIONING	HGR.	HEIGHT
ACU	AIR CONDITIONING UNIT	ICGB.	ISOLATED COPPER GROUND BUS
ACCA	ANTENNA CABLE COVER ASSY.	IGR	INTERIOR GROUND RING
ADD'L	ADDITIONAL	IN. (")	INCH(ES)
A.F.F.	ABOVE FINISHED FLOOR	INT.	INTERIOR
A.F.G.	ABOVE FINISHED GRADE	LB. (#)	POUND(S)
A.G.L.	ABOVE GRADE LEVEL	L.B.	LAG BOLTS
ALUM.	ALUMINUM	L.F.	LINEAR FEET (FOOT)
ALT.	ALTERNATE	L.	LONG(ITU)DINAL
ANT.	ANTENNA	MGB	MASTER GROUND BUS
APPRX.	APPROXIMATE(LY)	MAS.	MASONRY
APX	APEX	MAX.	MAXIMUM
ARCH.	ARCHITECT(URAL)	M.B.	MACHINE BOLT
ASSY.	ASSEMBLY	MECH.	MECHANICAL
AWG.	AMERICAN WIRE GAUGE	MFR.	MANUFACTURER
BCN	BEACON	MIN.	MINIMUM
BD.	BOLLARD	MISC.	MISCELLANEOUS
BDK	BRASS DISK	MTL.	METAL
BLDG.	BUILDING	MW	MICROWAVE
BLK.	BLOCK	(N)	NEW
BLKG.	BLOCKING	NO. (#)	NUMBER
BM	BEAM / 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
DR.	DOOR	STD.	STANDARD
DWG.	DRAWING(S)	STL.	STEEL
DWL.	DOWEL(S)	STRUC.	STRUCTURAL
EA.	EACH	T.B.D.	TO BE DETERMINED
EBX	ELECTRICAL BOX	T.B.R.	TO BE RESOLVED
EG	EQUIPMENT GROUND	TEMP.	TEMPORARY
EGR	EQUIPMENT GROUND RING	THK.	THICK(NESS)
EL.	ELEVATION	TMA	TOWER MOUNTED AMPLIFIER
ELEC.	ELECTRICAL	T.N.	TOE NAIL
ELEV.	ELEVATOR	T.O.A.	TOP OF ANTENNA
EM	ELECTRICAL METER	T.O.C.	TOP OF CURB
E.M.T.	ELECTRICAL METALLIC TUBING	T.O.F	TOP OF FOUNDATION
E.O.P.	EDGE OF PAVEMENT	T.O.P.	TOP OF PLATE (PARAPET)
EQ. (=)	EQUAL	T.O.S.	TOP OF STEEL
EVLT	ELECTRICAL VAULT	T.O.W.	TOP OF WALL
ENG.	EXPANSION	TWR.	TOWER
EXST.	EXISTING	TYP.	TYPICAL
EXT.	EXTERIOR	U.G.	UNDER GROUND
FAB.	FABRICATION(OR)	U.L.	UTILITY POLE
F.N.	FINISH FLOOR	U.N.O.	UNLESS NOTED OTHERWISE
F.O.	FINISH GRADE	V.I.N.	VERIFY IN FIELD
FIN.	FINISH(ED)	W.	WIDE(WIDTH)
FLR.	FLOOR	WD.	WOOD
FDN.	FOUNDATION	W.P.	WEATHERPROOF
F..C.	FACE OF CONCRETE	WT.	WEIGHT
F..M.	FACE OF MASONRY		
F..S.	FACE OF STUD		
F..W.	FACE OF WALL		
F.S.	FINISHED SURFACE		
FT. (')	FOOT(FEET)		
FTG.	FOOTING		
GA.	GAUGE		
GI.	GALVANIZE(D)		
G.F.I.	GROUND FAULT INTERRUPTER		
GEN	GENERATOR		
GLB.	GLOBAL POSITIONING SYSTEM		
GRC.	GROWTH RADIO CABINET		



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



A Nokia company
5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sac.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 THE 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

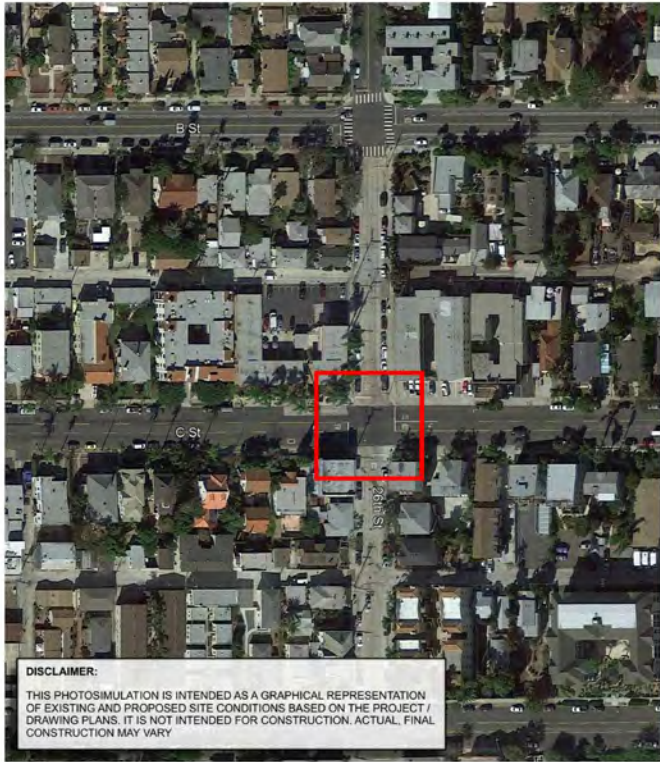
ABBREVIATIONS, REFERENCED DOCUMENTS, LEGEND & SIGNAGE

SHEET NUMBER

T-3.0

VICINITY MAP

PHOTOSIMULATION VIEWPOINTS



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.

T-Mobile

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

SOC WIRELESS

5015 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
OFFICE: (619) 738-3786



T-Mobile

L1900 PROJECT
SD06486C
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2598 1/3 C STREET
SAN DIEGO, CA 92102

SOC WIRELESS

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PHOTOSIMULATION VIEW 1

LOOKING WEST

EXISTING

EXISTING 2'-4" Ø RADOME TO BE REMOVED

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

EXISTING DECORATIVE POLE & BASE TO BE REMOVED

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED INSIDE EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

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

PROPOSED

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

PROPOSED VALMONT LIGHTPOST OR APPROVED EQUAL, (1) TOTAL TYP.

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PHOTOSIMULATION VIEW 2

LOOKING NORTHWEST

EXISTING

EXISTING 2'-4" Ø RADOME TO BE REMOVED

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

EXISTING DECORATIVE POLE & BASE TO BE REMOVED

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED INSIDE EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

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

PROPOSED

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

PROPOSED VALMONT LIGHTPOST OR APPROVED EQUAL, (1) TOTAL TYP.

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OFFICE: (619) 738-3786

PHOTOSIMULATION VIEW 3

LOOKING EAST

EXISTING

EXISTING 2'-4" Ø RADOME TO BE REMOVED

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

EXISTING DECORATIVE POLE & BASE TO BE REMOVED

NOTE:

EXISTING T-MOBILE EQUIPMENT MOUNTED INSIDE EXISTING RADOME (NOT VISIBLE IN CURRENT VIEW)

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

PROPOSED

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

PROPOSED VALMONT LIGHTPOST OR APPROVED EQUAL, (1) TOTAL TYP.

T-Mobile
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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
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
PHOTO SIMULATIONS

SHEET NUMBER
T-4.0

PHOTO SIMULATIONS

SCALE
N.T.S.

1



REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
0	01/20/17	100% CD's	JL
1	07/27/18	CUP COMMENTS	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



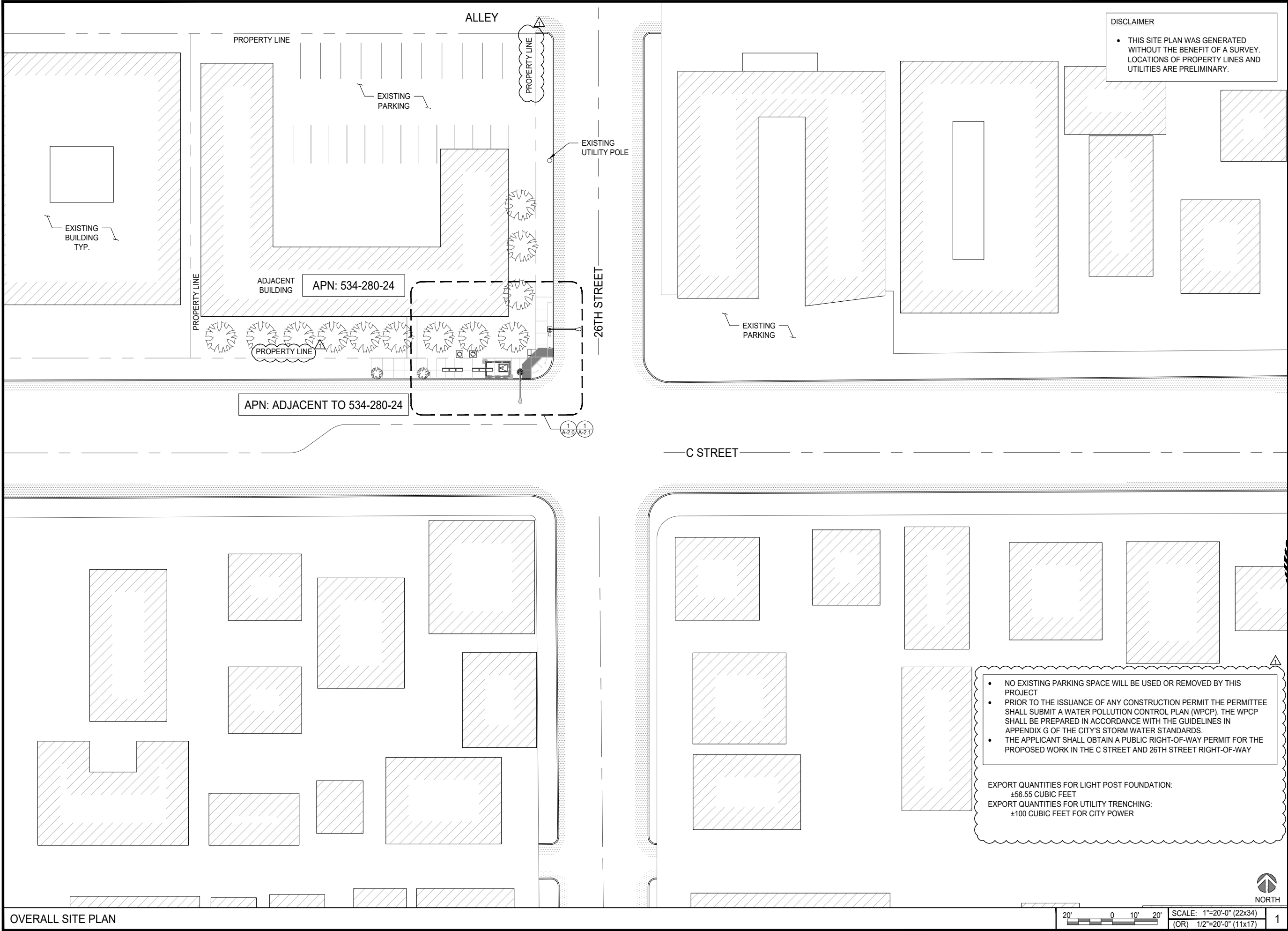
L1900
26TH & C STREET ROW
SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1.0



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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

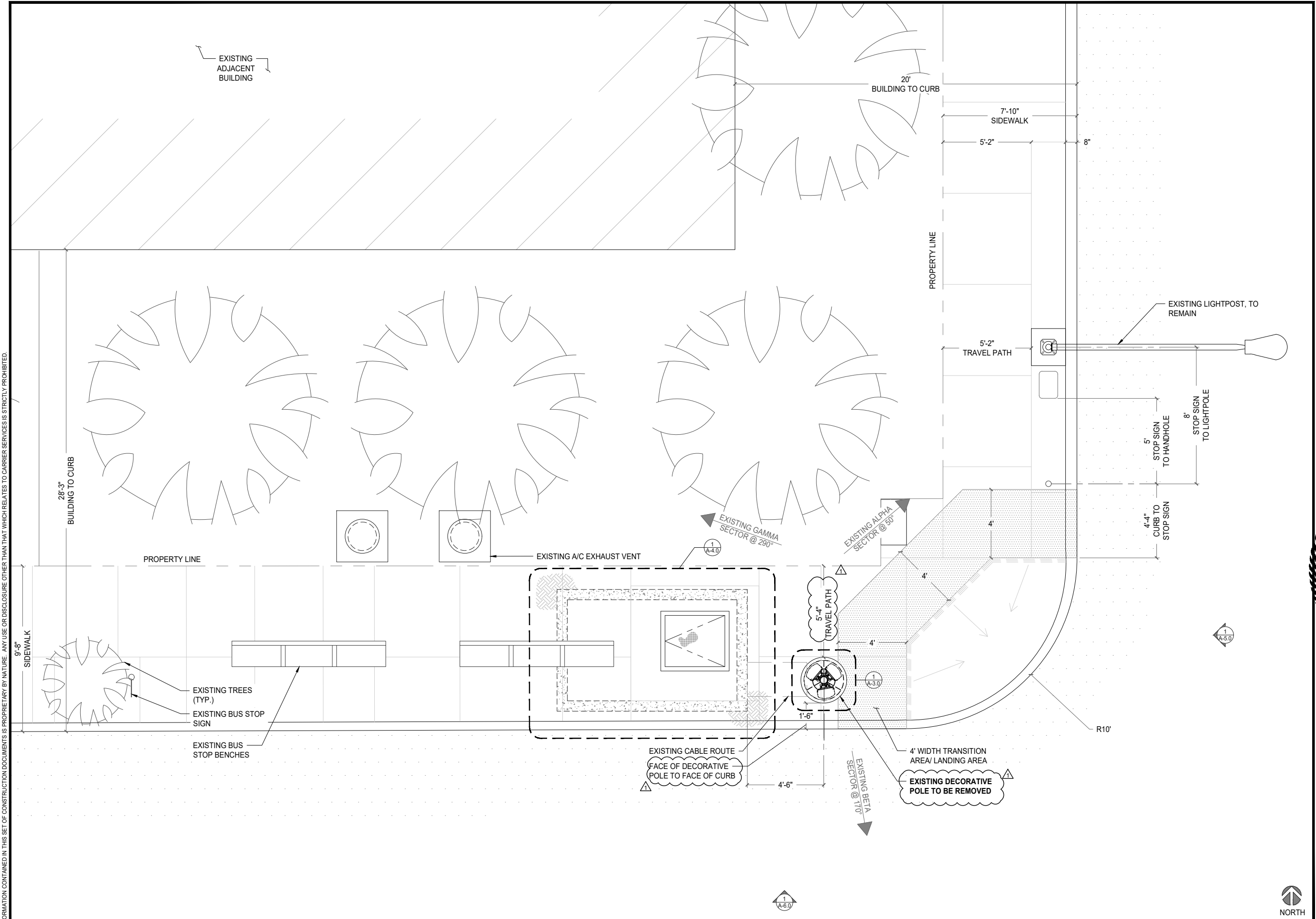
SHEET TITLE

EXISTING ENLARGED
SITE PLAN

SHEET NUMBER

A-2.0

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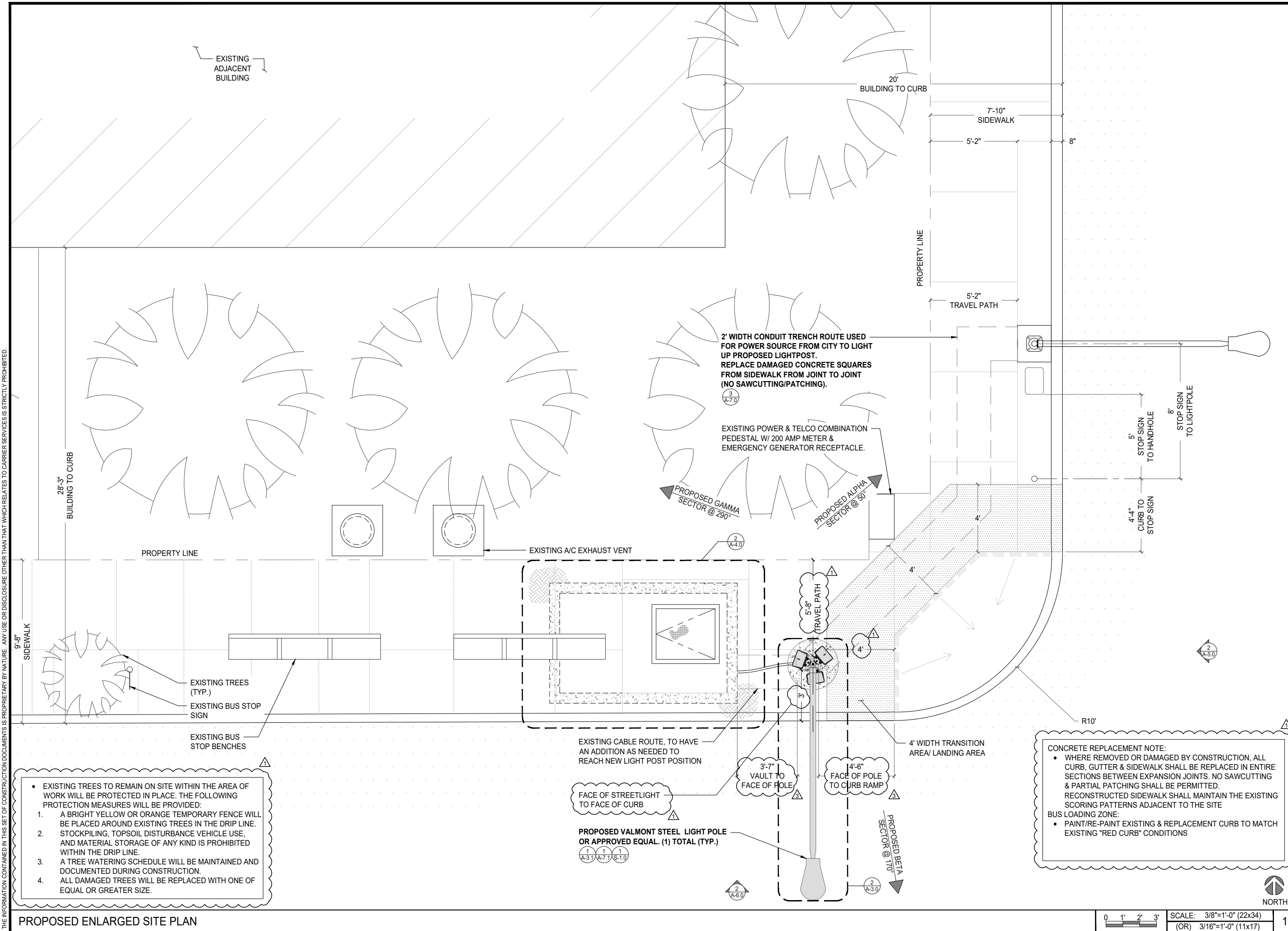
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1	07/27/18	CUP COMMENTS	JL
2	11/26/18	REVISED 100% CD's	EC
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5	03/13/19	CITY COMMENTS	JP
6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS



L1900
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SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE
**PROPOSED ENLARGED
SITE PLAN**

SHEET NUMBER
A-2.1



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PROPOSED ENLARGED SITE PLAN



REVISIONS			
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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

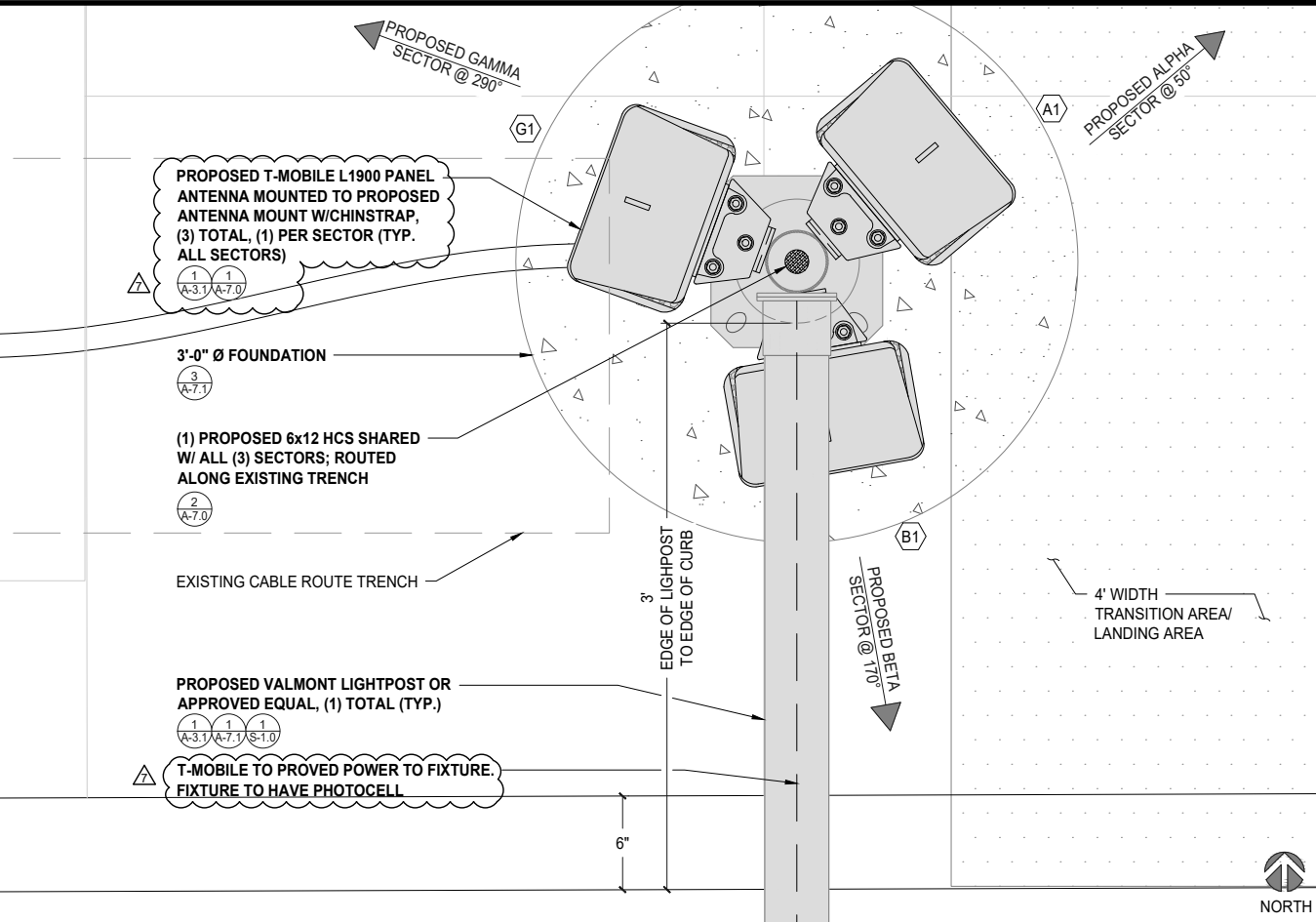
EXISTING & PROPOSED
ANTENNA PLANS &
SCHEDULES

SHEET NUMBER

A-3.0

PROPOSED 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	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	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	N/A	N/A	N/A	N/A	N/A
DELTA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A
				N/A	N/A	N/A	N/A	N/A	N/A	N/A



PROPOSED ANTENNA PLAN

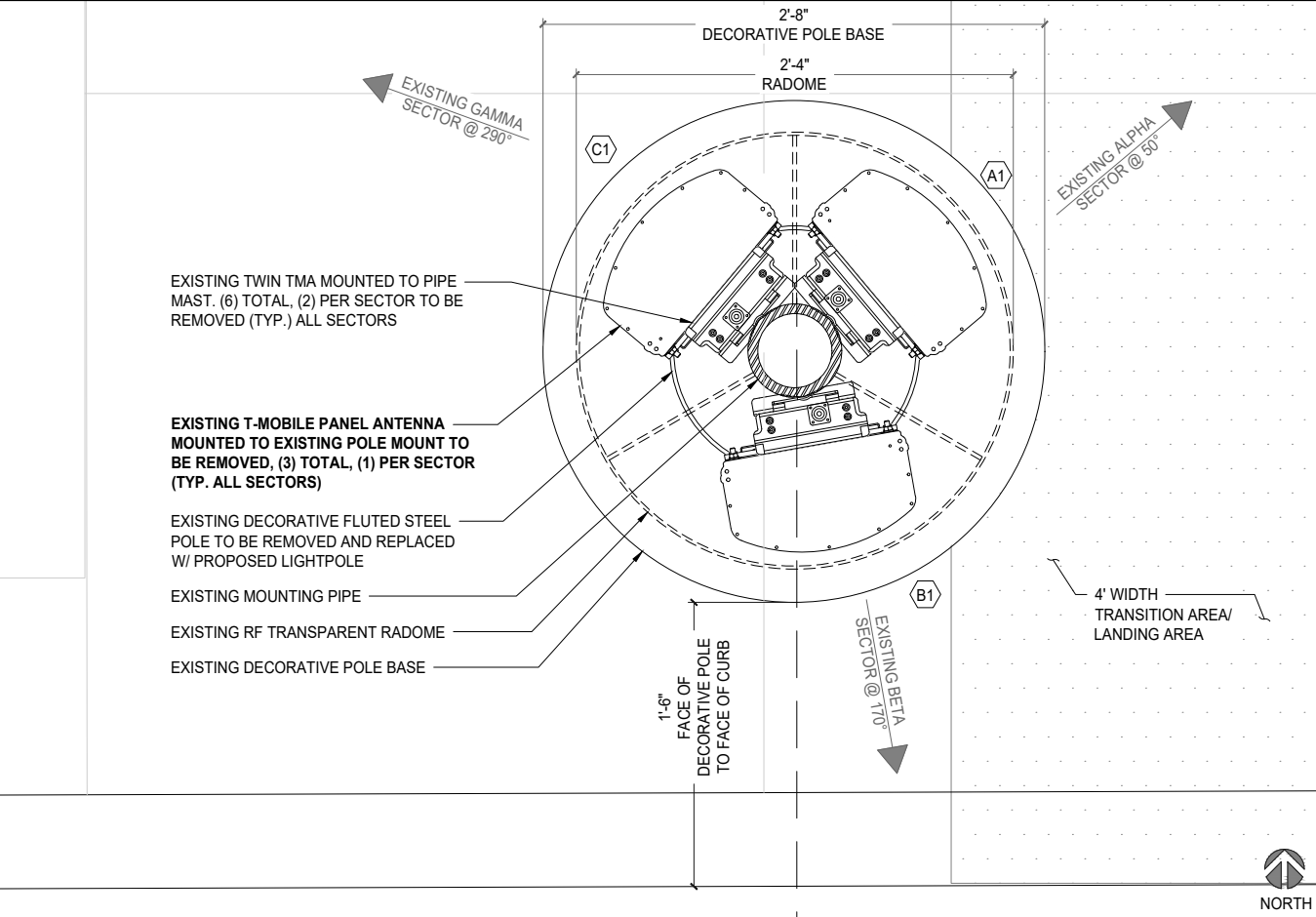
0 1.5' 3' 6' SCALE: 2"=1'-0" (22x34)
(OR) 1"=1'-0" (11x17)



2

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°	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
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
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
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



EXISTING ANTENNA PLAN

0 1.5' 3' 6' SCALE: 2"=1'-0" (22x34)
(OR) 1"=1'-0" (11x17)



1

PROPOSED & EXISTING ANTENNA SCHEDULES

SCALE
N.T.S.






3



10509 VISTA SORRENTO PKWY #206
SAN DIEGO, CA 92121
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A Nalco company
15 SHOREHAM PLACE, SUITE 150
SAN DIEGO, CA 92122
www.sacw.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



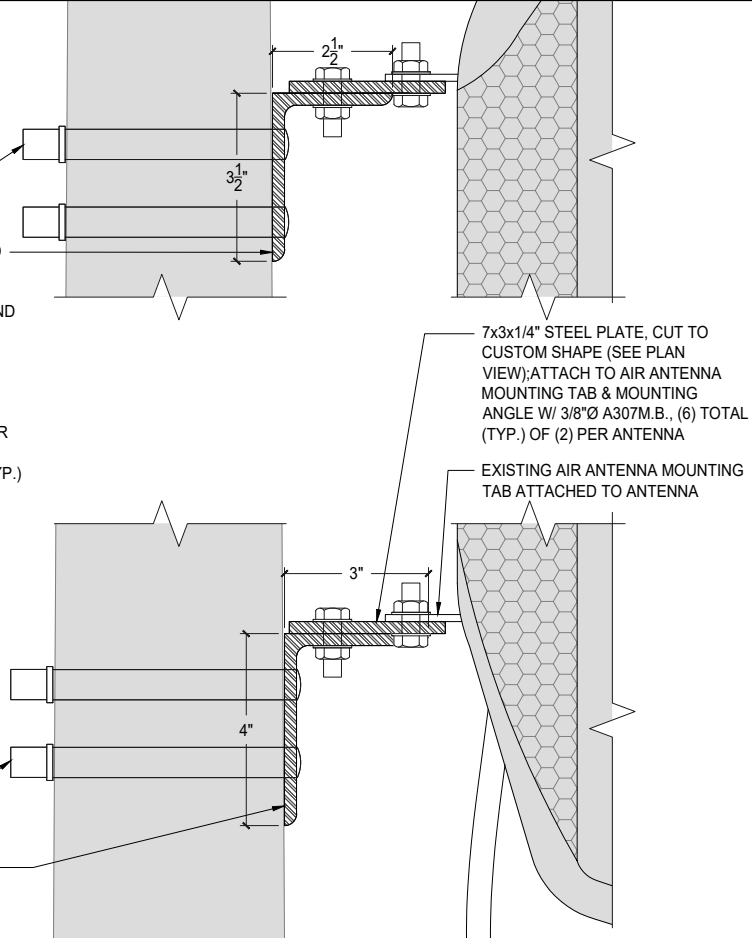
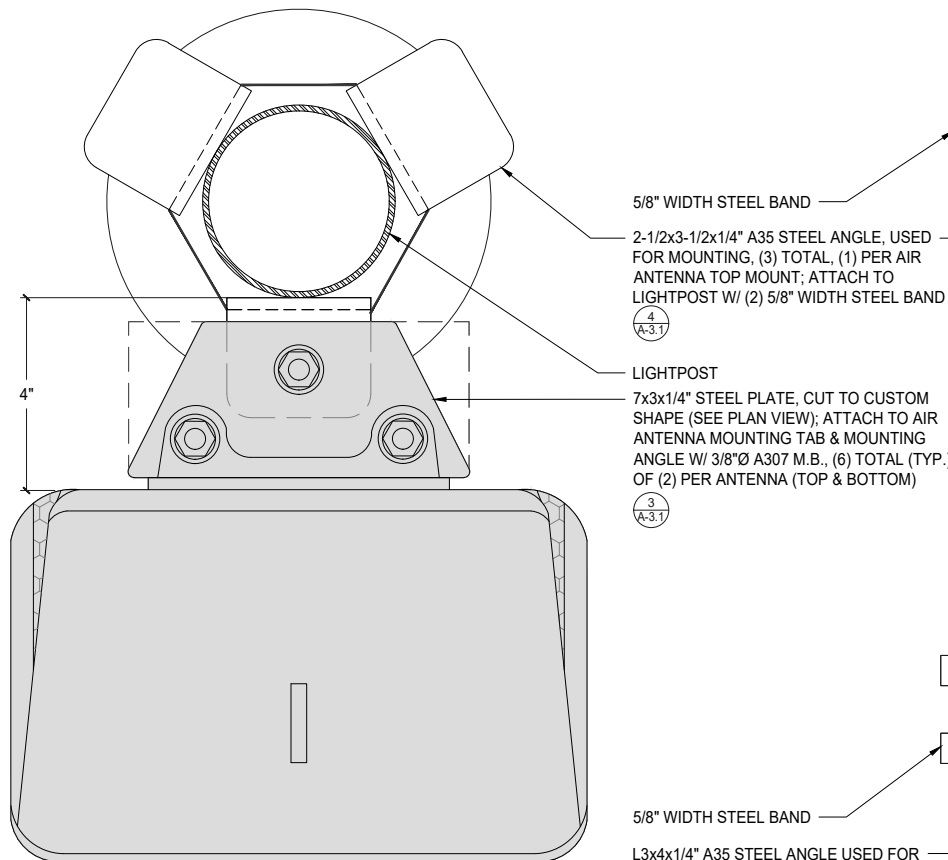
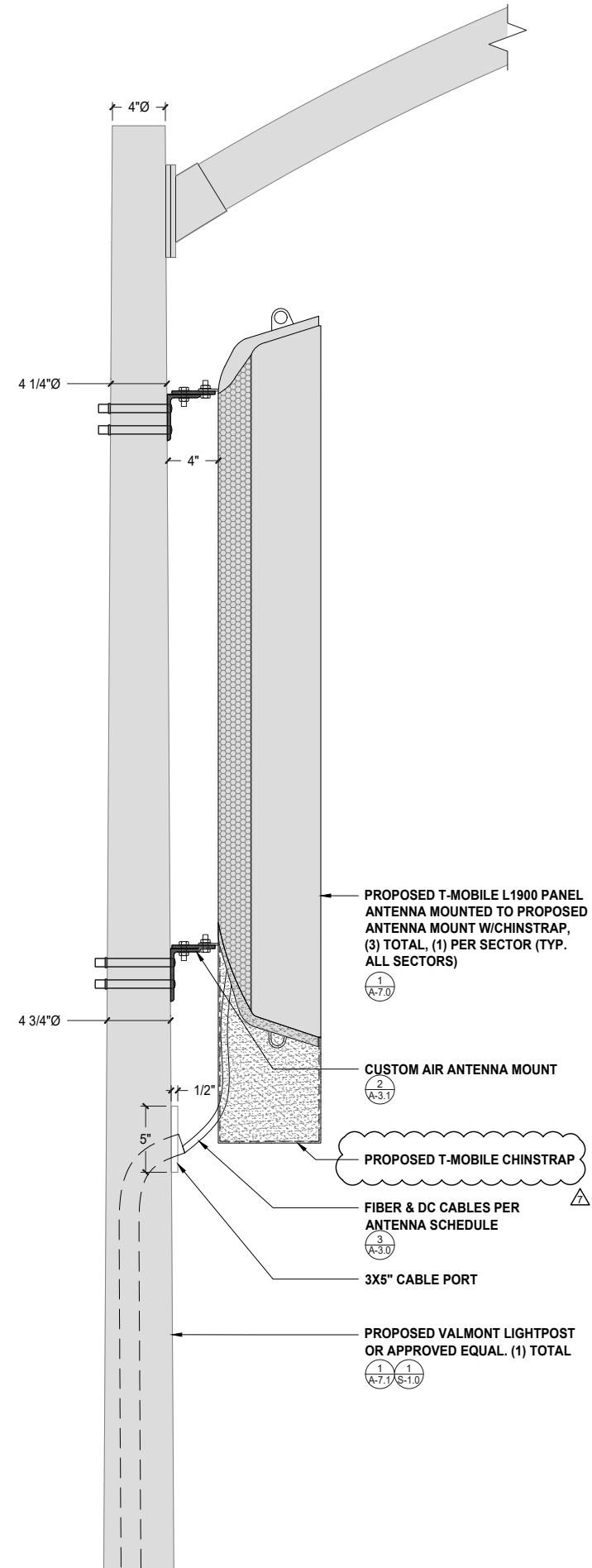
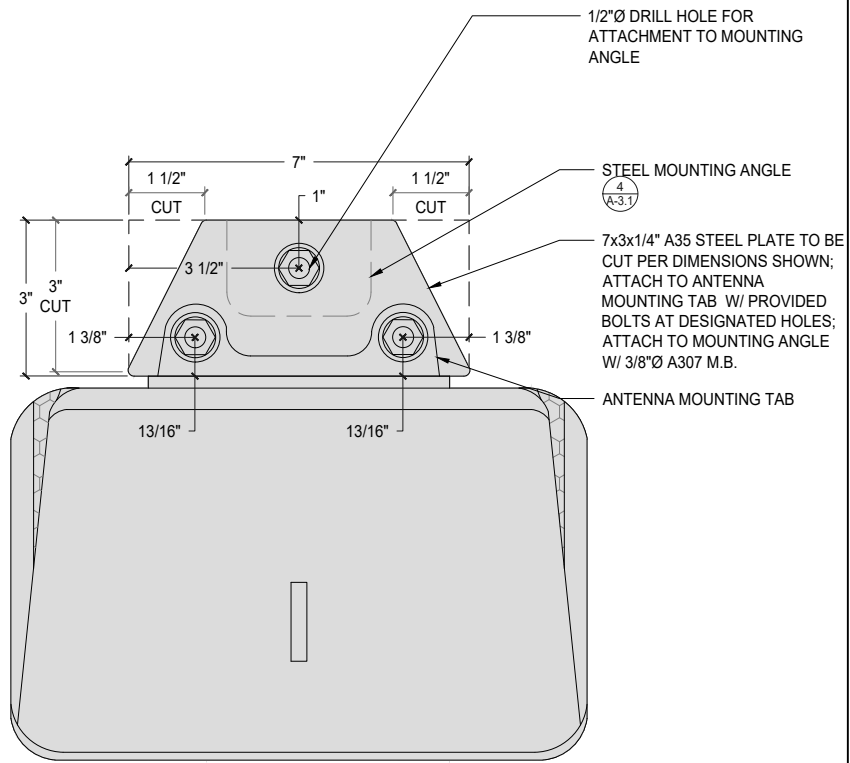
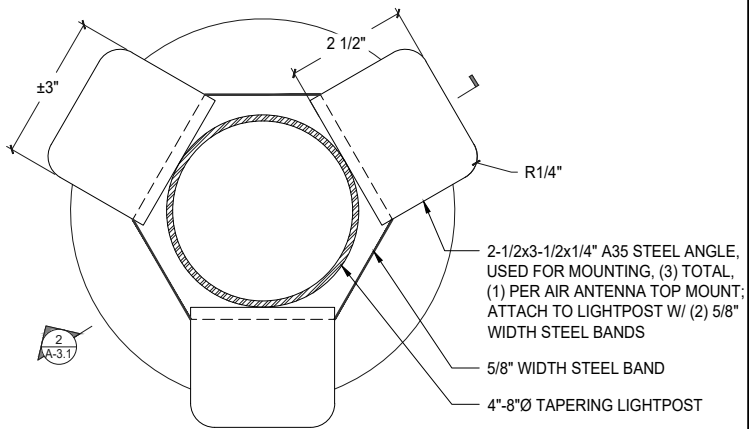
L1900
26TH & C STREET ROW
SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE

ANTENNA MOUNTING DETAIL

SHEET NUMBER

A-3.1



STEEL MOUNTING ANGLE

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

4

CUSTOM MOUNTING BRACKET

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

3

CUSTOM AIR ANTENNA MOUNT

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

2

ANTENNA MOUNTING DETAIL

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

1



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
EXISTING & PROPOSED
EQUIPMENT PLANS, &
EXISTING BATTERY
CALCULATIONS

SHEET NUMBER

A-4.0

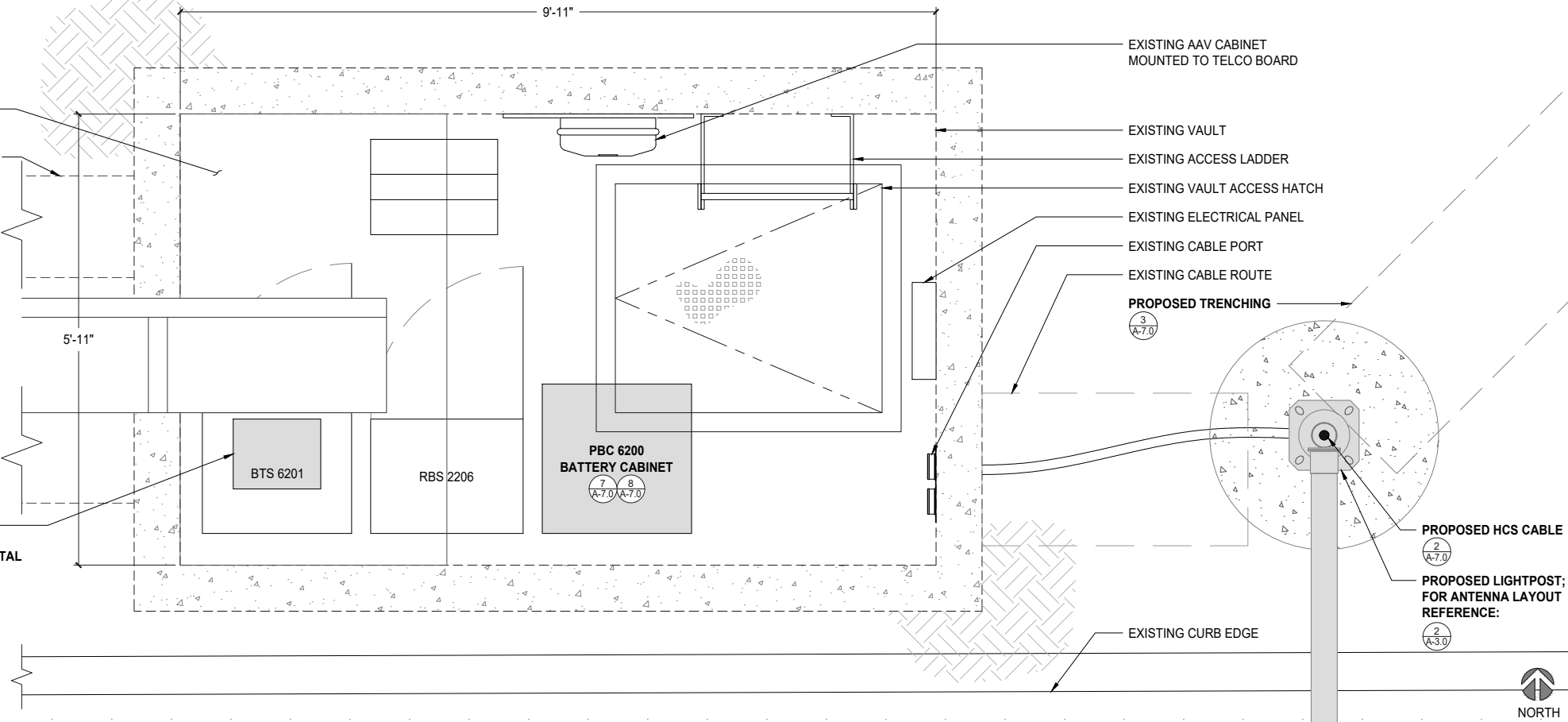
NOTE: NO NEW BATTERIES TO BE ADDED

- 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

EXISTING A/C UNIT
MOUNTED ABOVE CABINETS
EXISTING INTAKE/ EXHAUST
DUCT FOR A/C

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



PROPOSED EQUIPMENT PLAN & BATTERY CALCULATIONS

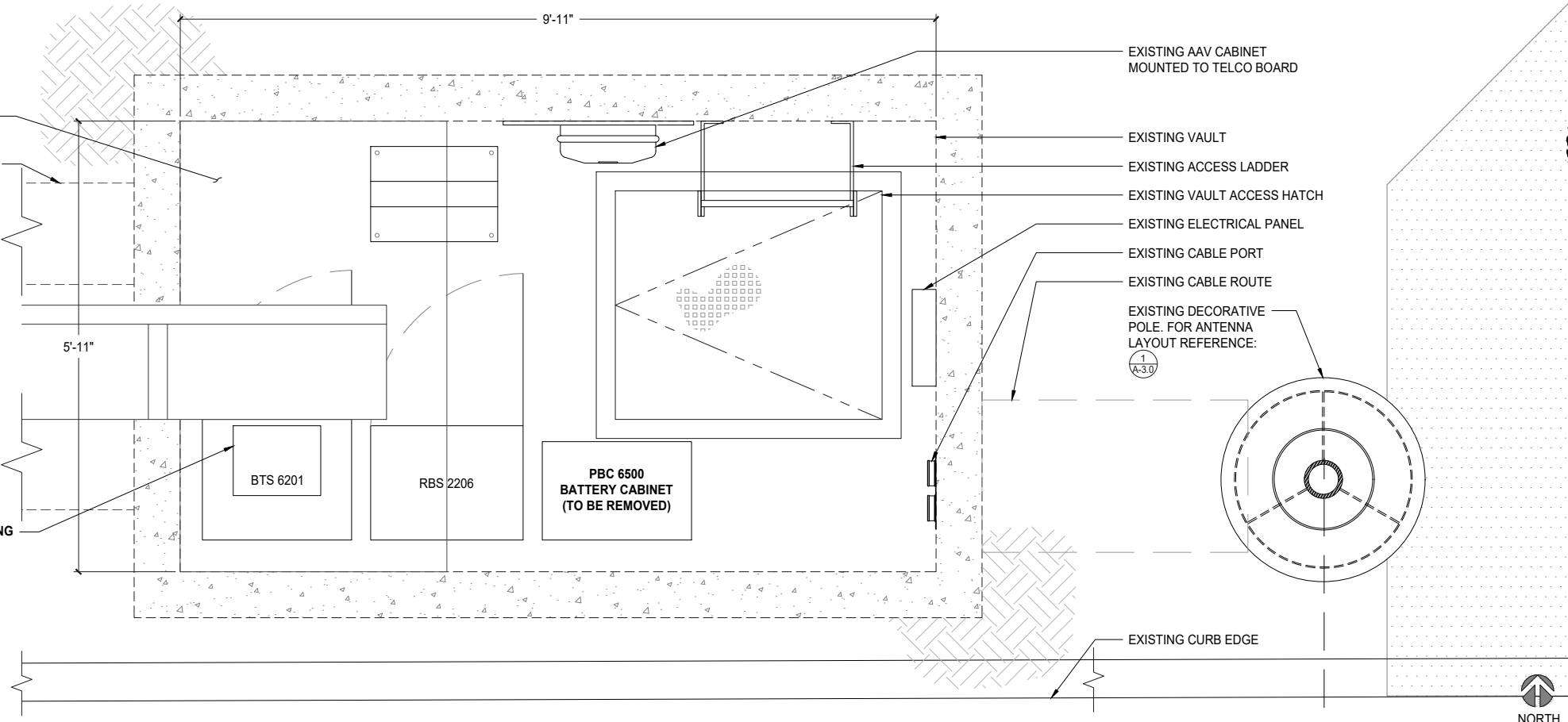
0 3" 6" 1' SCALE: 1"=1'-0" (22x34)
(OR) 1/2"=1'-0" (11x17) 2

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 A/C UNIT
MOUNTED ABOVE CABINETS
EXISTING INTAKE/ EXHAUST
DUCT FOR A/C

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



EXISTING EQUIPMENT PLAN & BATTERY CALCULATIONS

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

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6	01/30/20	REDESIGN	JP
7	04/24/20	CITY COMMENTS	AS

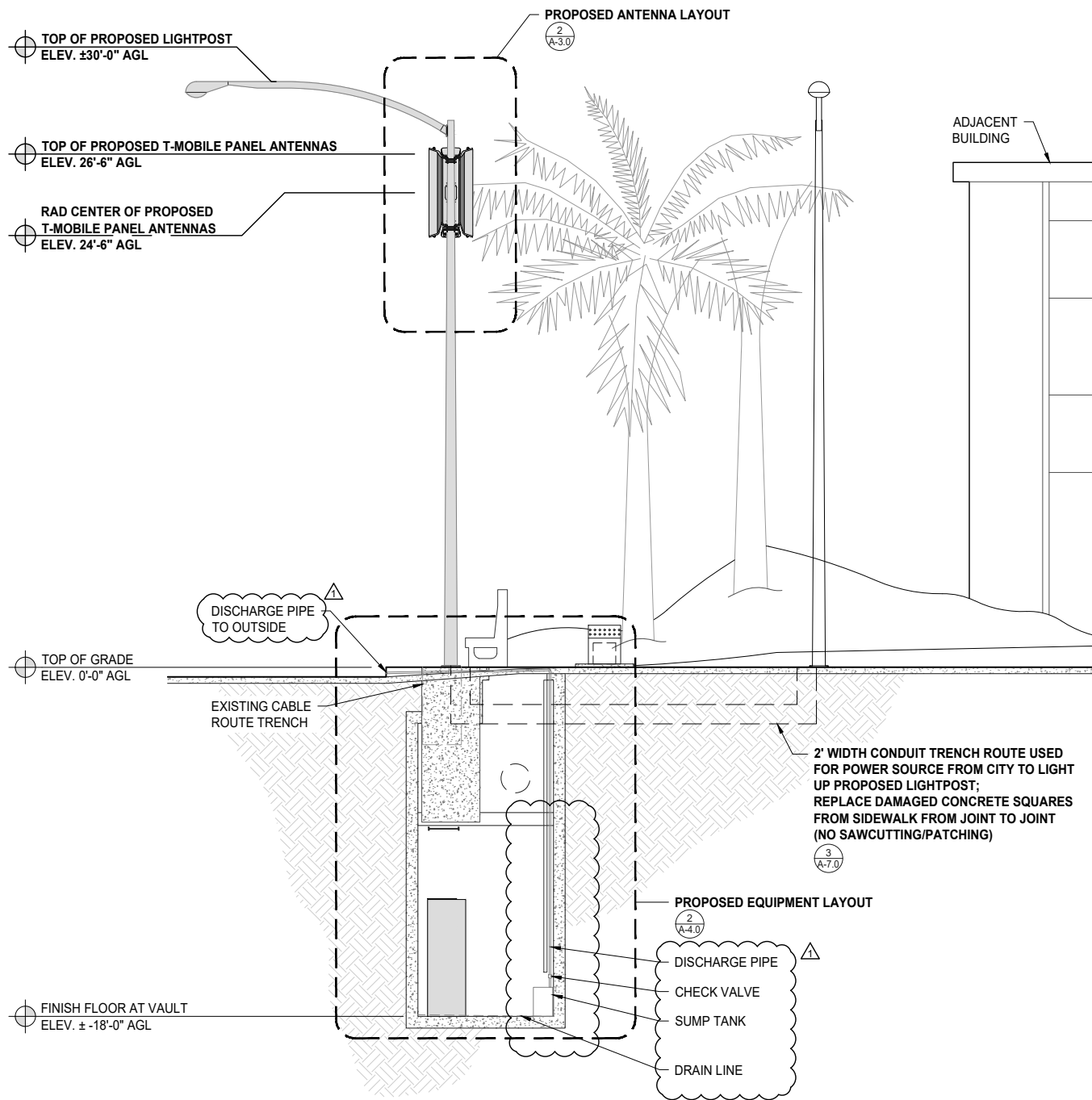


L1900
26TH & C STREET ROW
SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE
EXISTING & PROPOSED
EAST ELEVATIONS

SHEET NUMBER

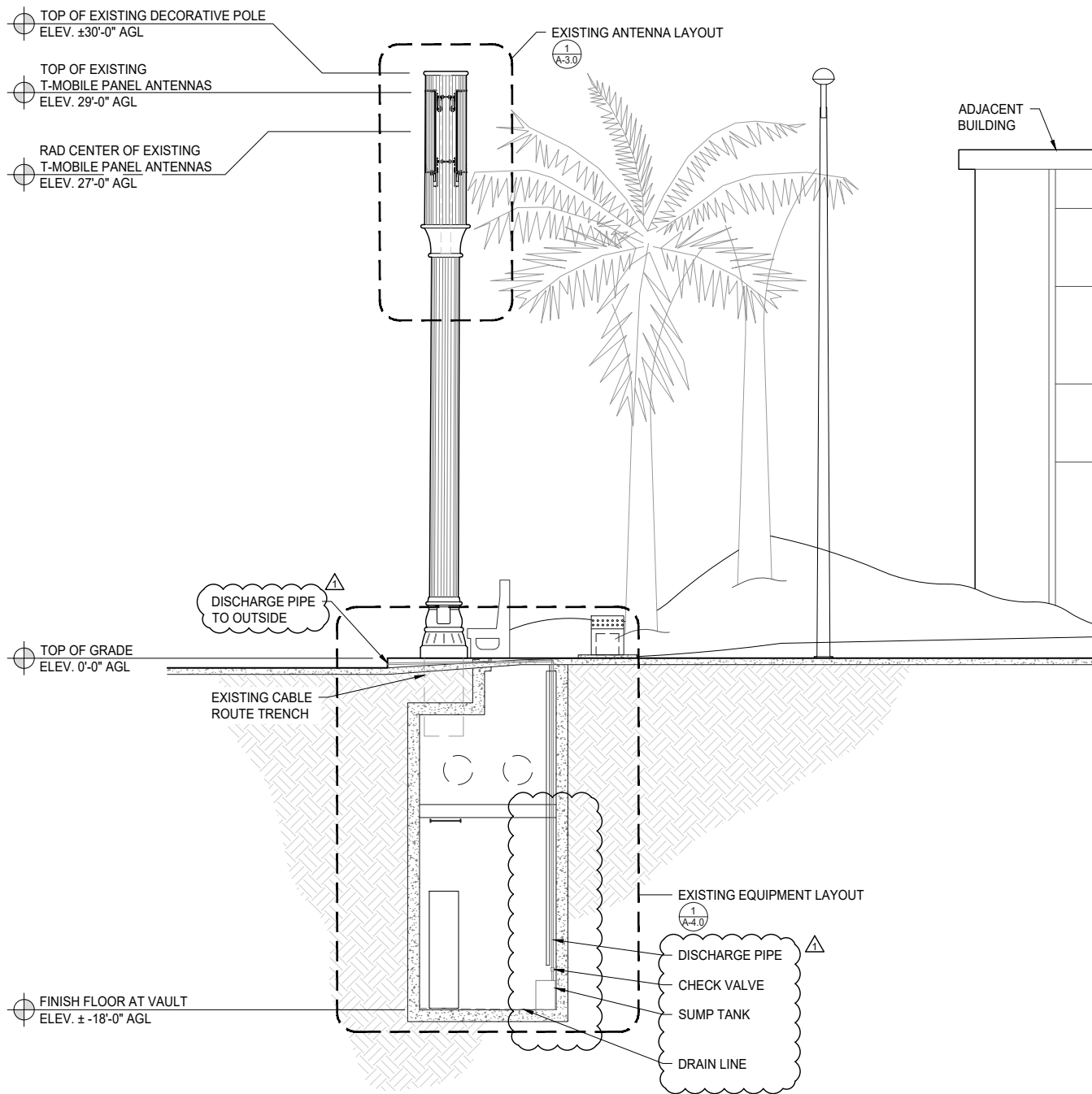
A-5.0



PROPOSED EAST ELEVATION

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

2



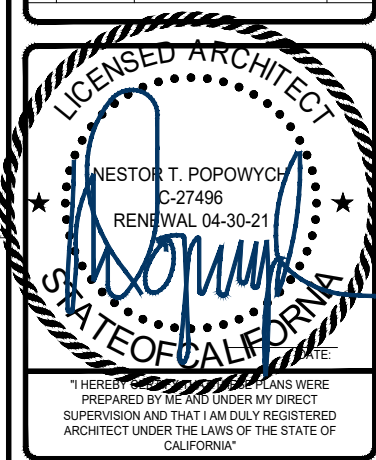
EXISTING EAST ELEVATION

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

1



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



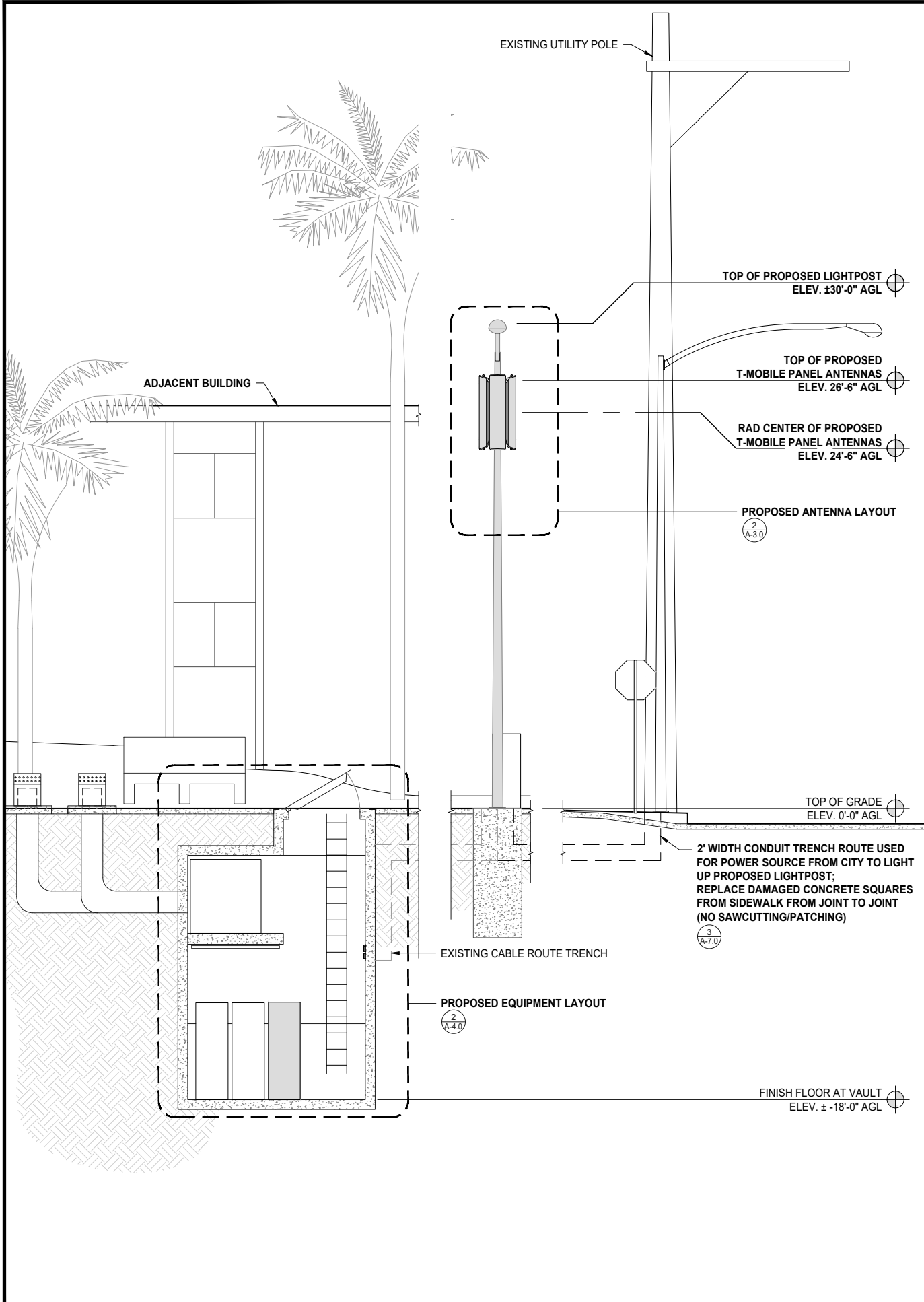
L1900
26TH & C STREET ROW
SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE

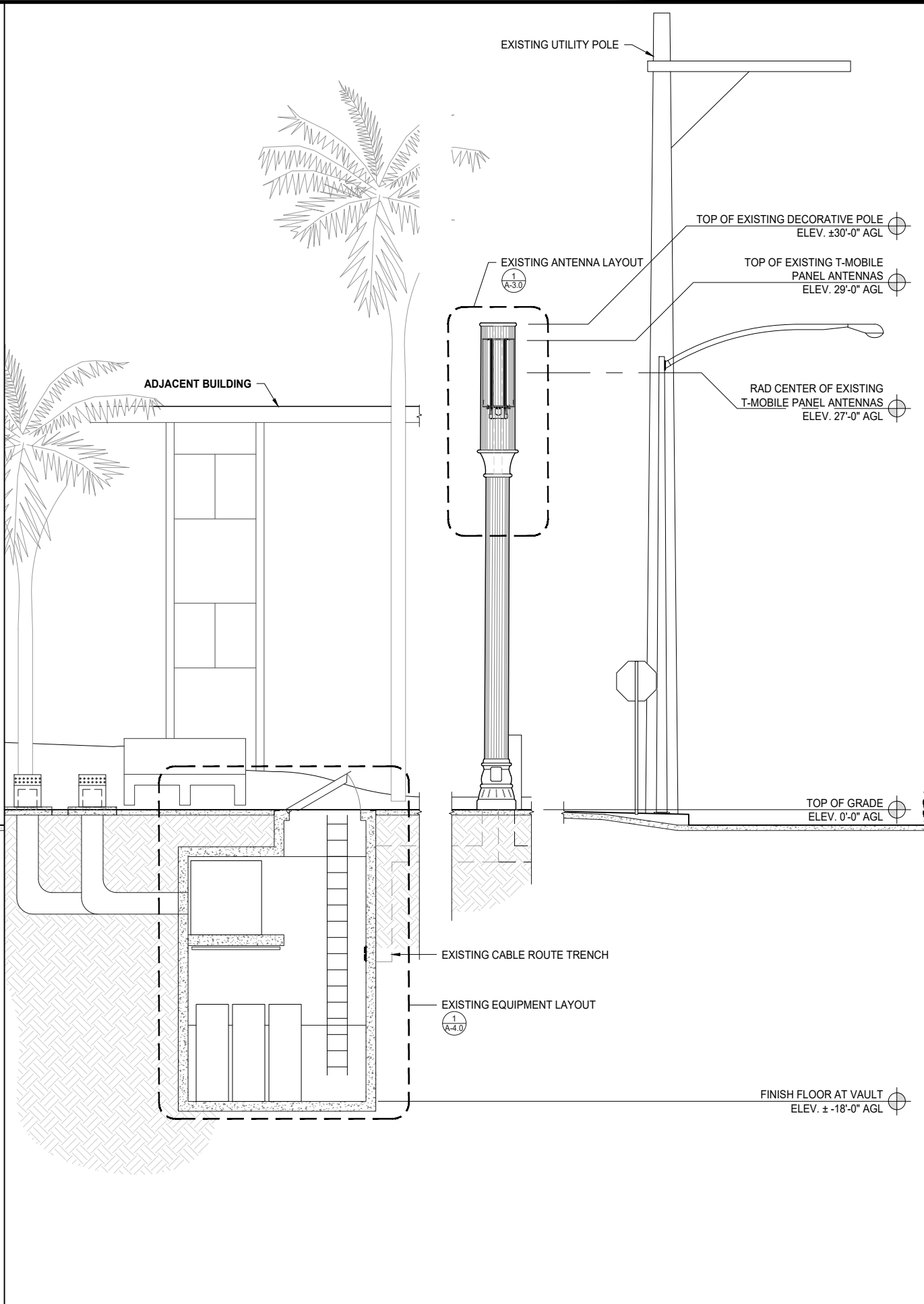
EXISTING & PROPOSED
SOUTH ELEVATIONS

SHEET NUMBER

A-6.0



PROPOSED SOUTH ELEVATION



EXISTING SOUTH ELEVATION

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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

EQUIPMENT DETAILS &
SPECIFICATIONS

SHEET NUMBER

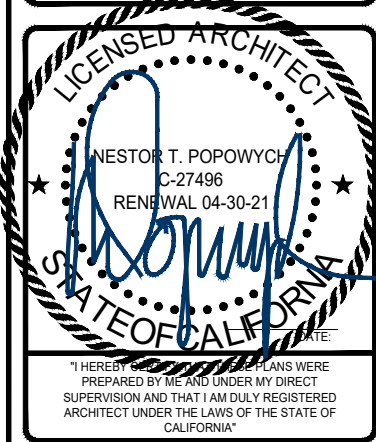
A-7.0

<div>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</div> <div></div>			<div>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)</div> <div></div>			<div></div>																				
BB 5216			N.T.S.			9			BATTERY			2"=1'-0" (22x34) 1"=1'-0" (11x17)			6			DUAL UTILITY TRENCH			3					
<div></div>									<div>MANUFACTURER: ERICSSON MODEL: HYBRID CABLE, 6 DC PAIRS + 12 OPTICAL PAIRS WEIGHT (kg/m): 2.5 (± .1) (lb/ft): 1.7 (± .1) DIAMETER (mm): 35 (± 2.0 mm) (in): 1.35 (± .1") COAX STD. Ø EQUIV.: 1 3/8"</div> <div>6 AWG DC: 4 AWG DC 2.5 (± .1) 3.6 (± .1) (lb/ft): 1.7 (± .1) 2.4 (± .1) DIAMETER (mm): 35 (± 2.0 mm) 42 (± 2.0 mm) (in): 1.35 (± .1") 1.66 (± .1") COAX STD. Ø EQUIV.: 1 3/8" 1 5/8"</div> <div>HYBRID CABLE SPECIFICATIONS JACKET MATERIAL: HEAT, MOISTURE, AND SUNLIGHT RESISTANT POLYVINYL CHLORIDE (PVC) JACKET 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</div> <div></div>																	
CABINET ANCHORAGE						SCALE: 1-1/2"=1'-0" (22x34) (OR) 3/4"=1'-0" (11x17)			8			NOT USED			5			HCS 6x12			2					
<div>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</div> <div></div>																		<div>MANUFACTURER: ERICSSON MODEL: AIR 32, DUALBAND(B2a/B66Aa) BAND 2 (1850-1910/1930-1990): ACTIVE FREQUENCY BAND BAND 4 (1710-1755/2110-2155): SUBSET OF BAND 66A (AWS1+3) BAND 66A (1710-1780/2110-2180): ACTIVE FREQUENCY BAND PA OUTPUT POWER: 2 X (4 X 30)W DOWNLINK EIRP: 4 X 62.5 dBm INST. BANDWIDTH: B2: 40 MHz (W.L) B2: 20 MHz (G) B66A: 70MHz (W.L) 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 AC POWER (OPTIONAL): 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</div> <div></div>								
PBC 6200			1"=1'-0" (22x34) 1/2"=1'-0" (11x17)			7			NOT USED			4			AIR 32 B2a/B66Aa ANTENNA			1"=1'-0" (22x34) 1/2"=1'-0" (11x17)			1					

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REVISIONS			
REV.	DATE	DESCRIPTION	INITIALS
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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



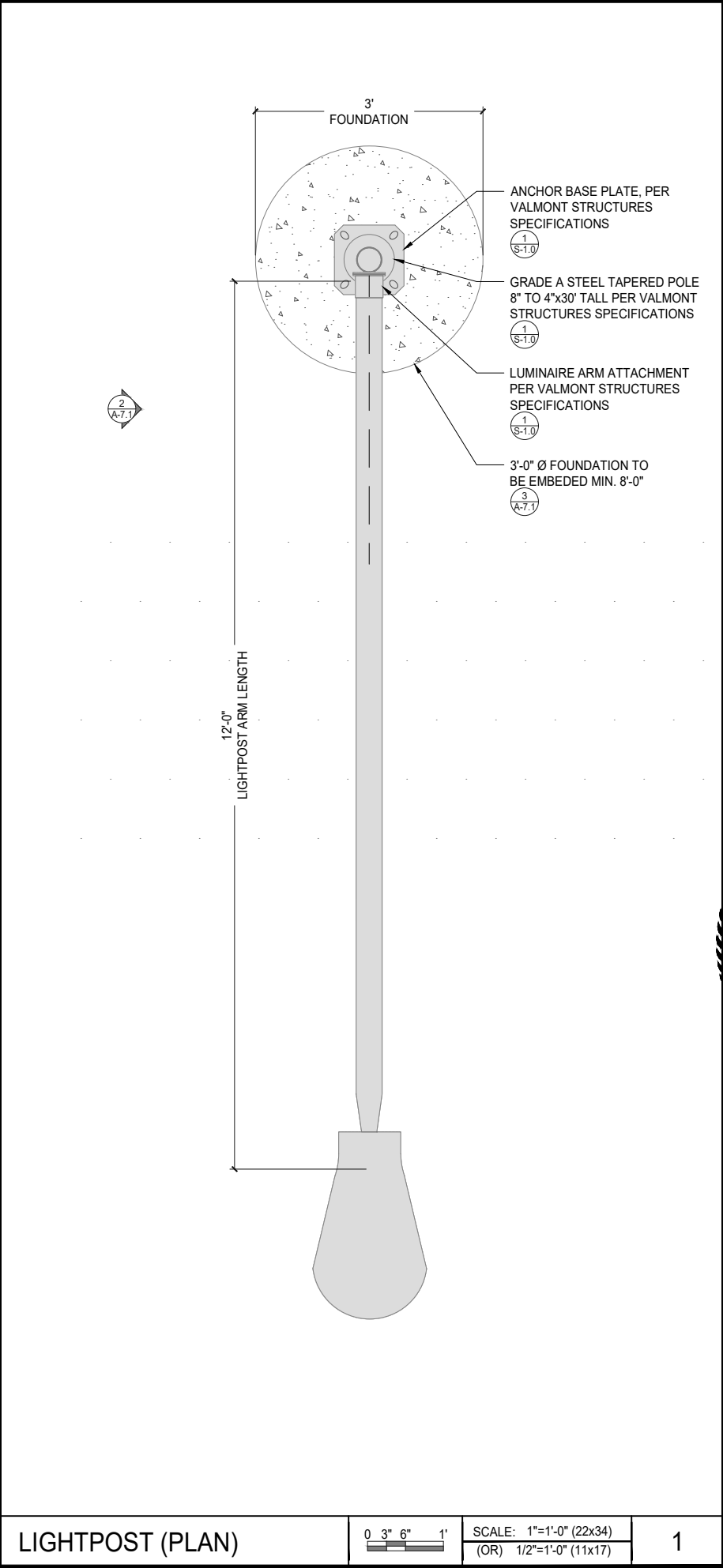
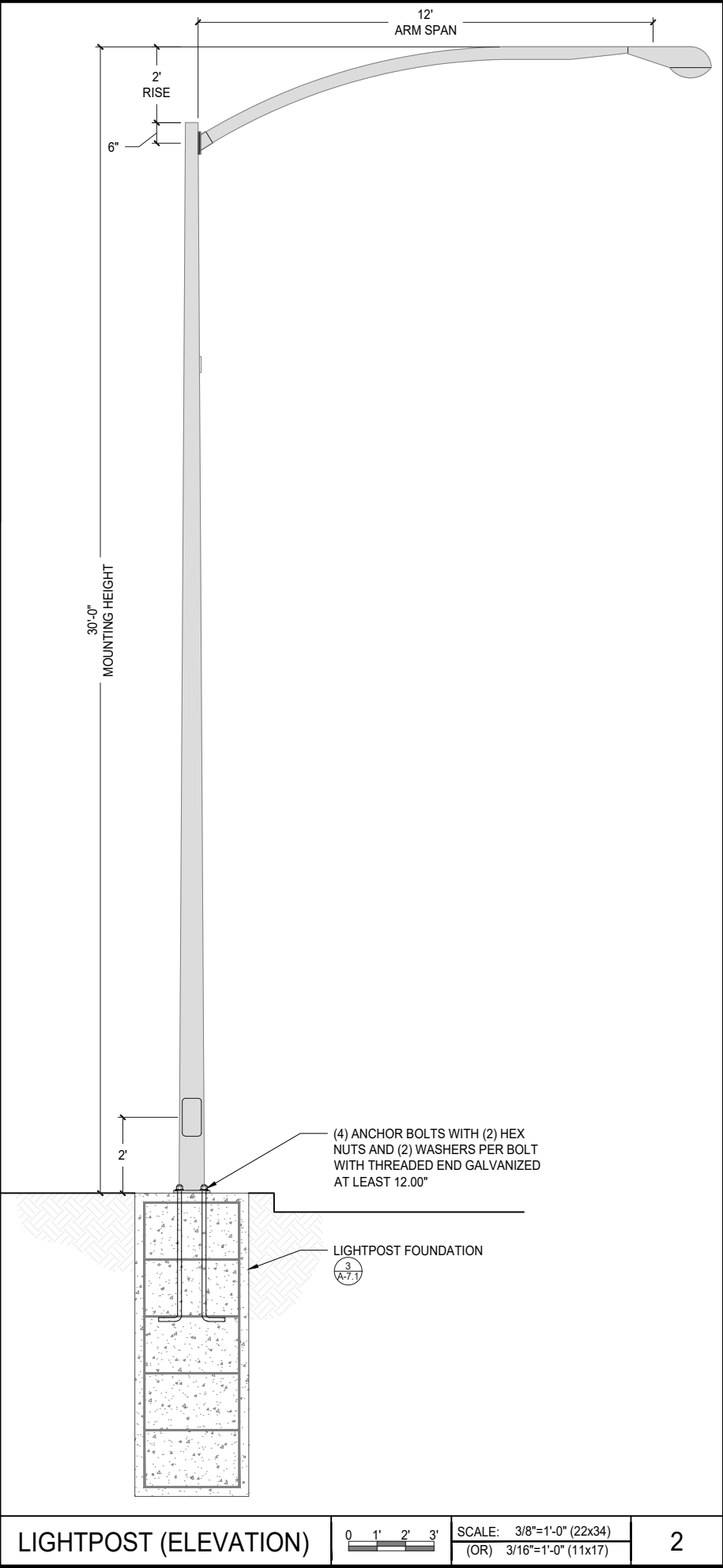
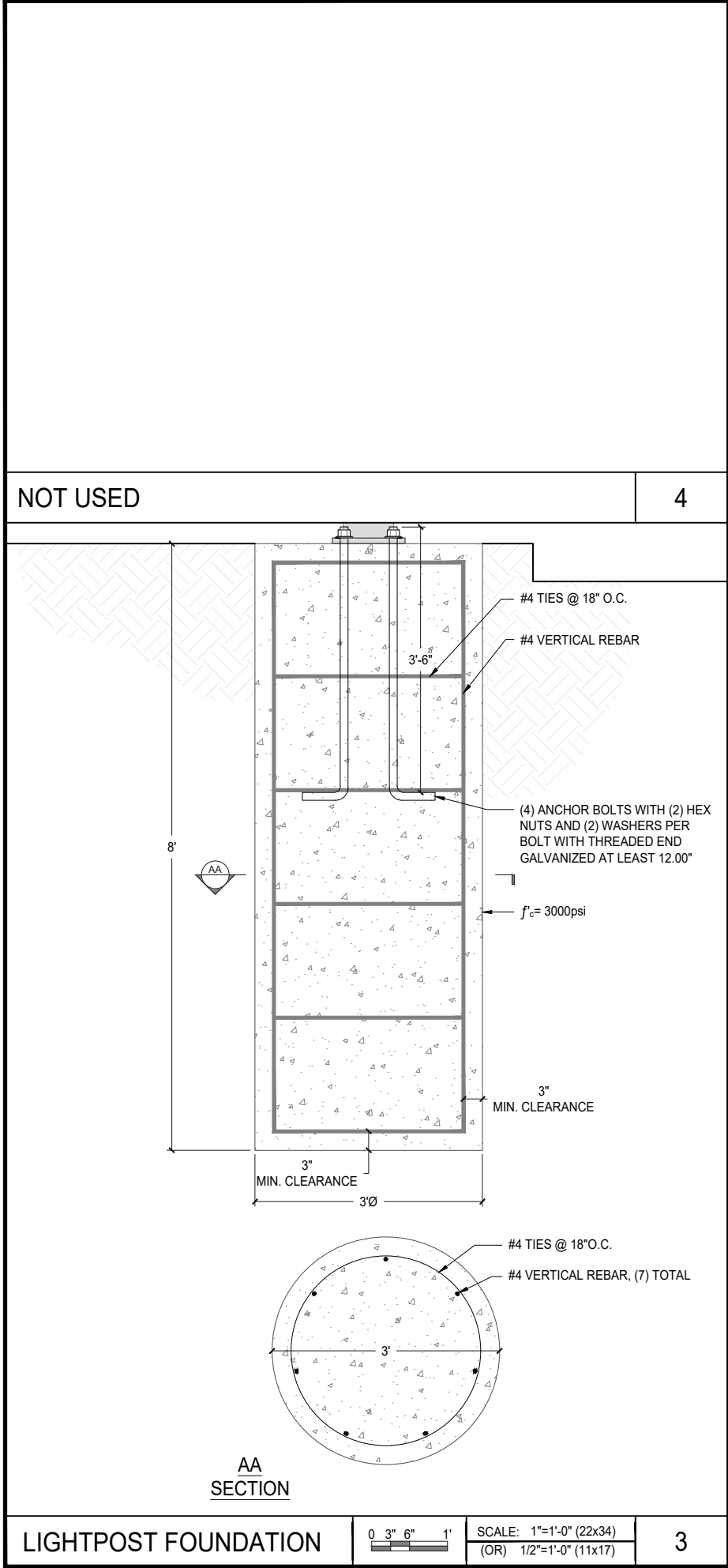
L1900
26TH & C STREET ROW
SD06486C
2598 1/3 C STREET
SAN DIEGO, CA 92102

SHEET TITLE

EQUIPMENT DETAILS &
SPECIFICATIONS

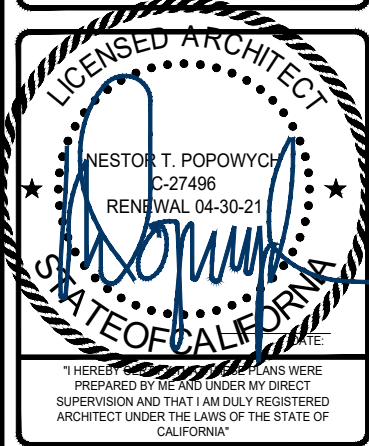
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REVISIONS			
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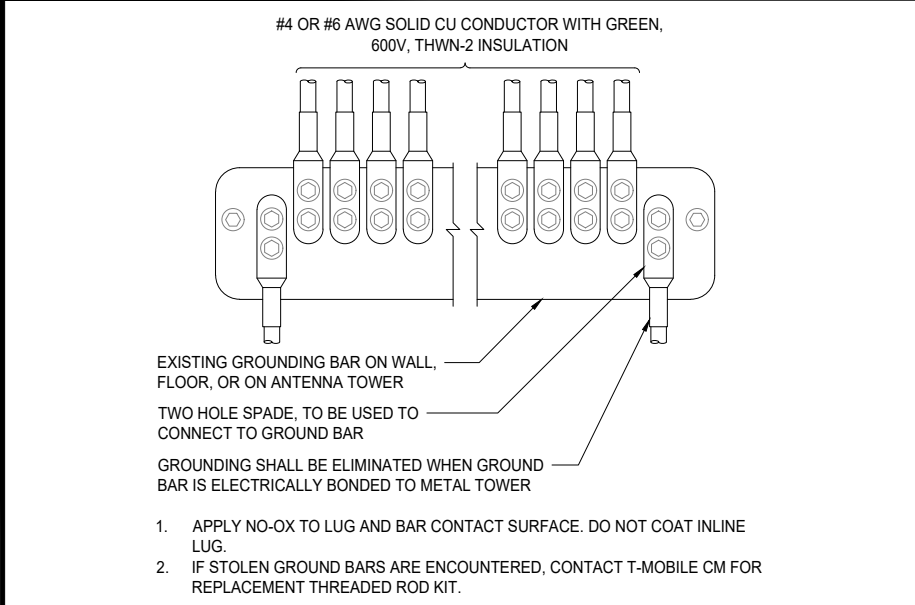
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SAN DIEGO, CA 92102

SHEET TITLE

SCHEMATIC GROUNDING
PLANS, NOTES & DETAILS

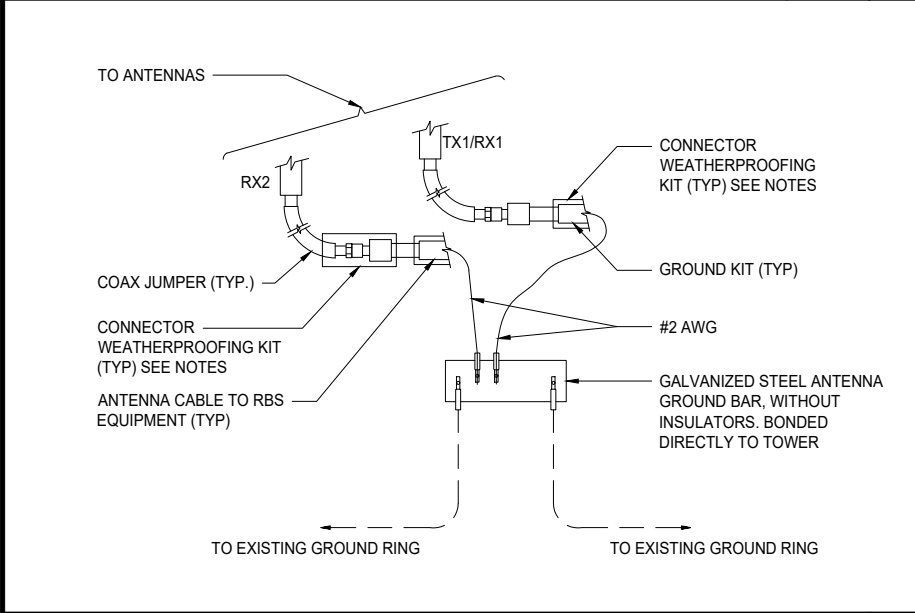
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G-1.0



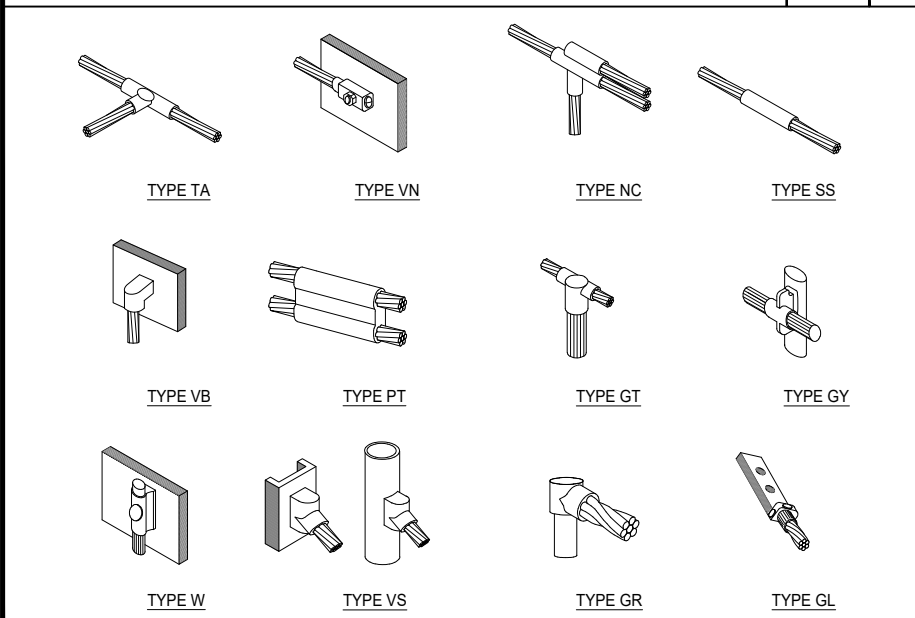
WIRE INSTALLATION

SCALE: N.T.S. 7



GROUND CABLE CONNECTION

SCALE: N.T.S. 6



EXOTHERMIC WELD CONNECTIONS

SCALE: N.T.S. 5

1. NEW ANTENNA GROUND BUS BAR NEAR ANTENNA MOUNTS WITH COAX GROUND KIT. SEE DETAIL 5/G-1.
2. EXISTING EQUIPMENT GROUND BUS BAR NEAR EQUIPMENT WITH COAX GROUND KIT. SEE DETAIL 6/G-1.
3. NEW #6 AWG GROUND FROM ANTENNA GROUND BUS BAR TO TIE INTO EXISTING GROUNDING SYSTEM (TYP OF (2) PLACES). SEE DETAIL 6/G-1.
4. PROPOSED #6 AWG GROUND FROM ANTENNAS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
5. N/A: #6 AWG GROUND FROM RADIOS TO ANTENNA GROUND BUS BAR. SEE DETAIL 5/G-1.
6. PROPOSED: #6 AWG GROUND BATTERY CABINET TO EQUIPMENT GROUND BUS BAR. SEE DETAIL 6/G-1.
7. 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
	GROUNDING WIRE

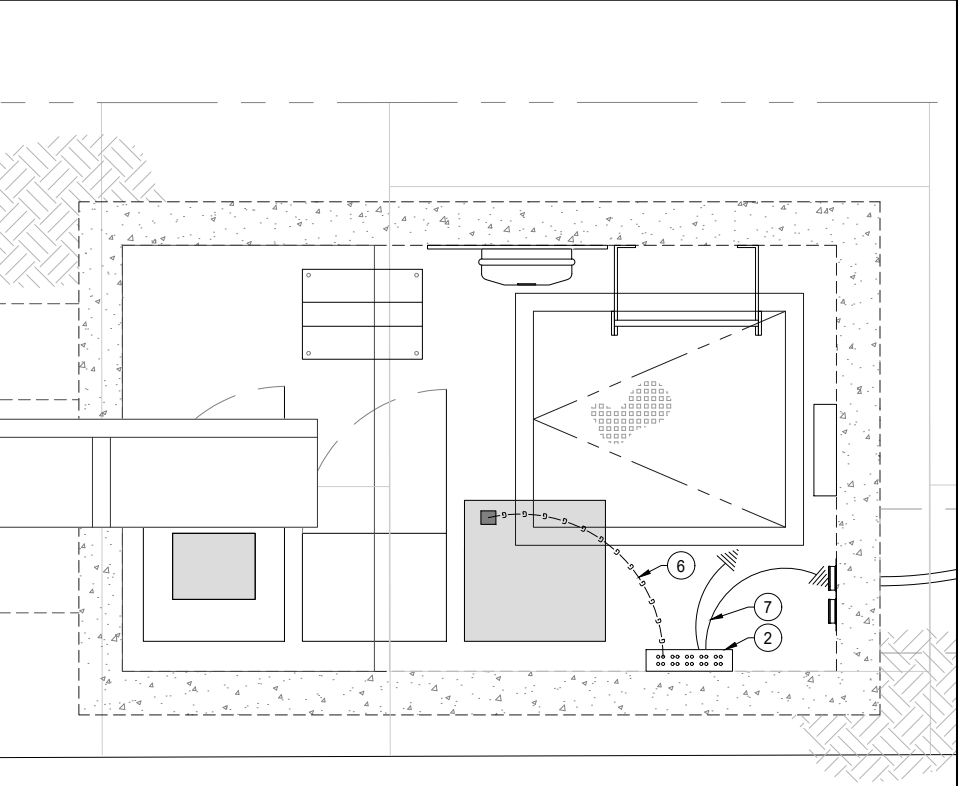
GROUNDING KEY

SCALE: N.T.S. 4

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
2. 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.
3. ALL GROUND WIRE SHALL BE GREEN INSULATED WIRE ABOVE GROUND.
4. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE. GROUNDING AND OTHER OPERATIONAL TESTING WILL BE WITNESSED BY A T-MOBILE REPRESENTATIVE.
5. REFER TO DIVISION 16 GENERAL ELECTRIC; GENERAL ELECTRICAL PROVISION AND COMPLY WITH ALL REQUIREMENTS OF GROUNDING STANDARDS.
6. CONTRACTOR TO ABIDE BY ALL T-MOBILE SAFETY STANDARDS DURING SITE CONSTRUCTION.
7. CONTRACTOR SHALL REFER TO T-MOBILE STANDARDS FOR GROUNDING CONNECTIONS & INSTALLATION METHODS.
8. 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.
9. NOTIFY CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
10. GROUNDING ROD NOTES (WHERE APPLICABLE)
11. 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.
12. 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.

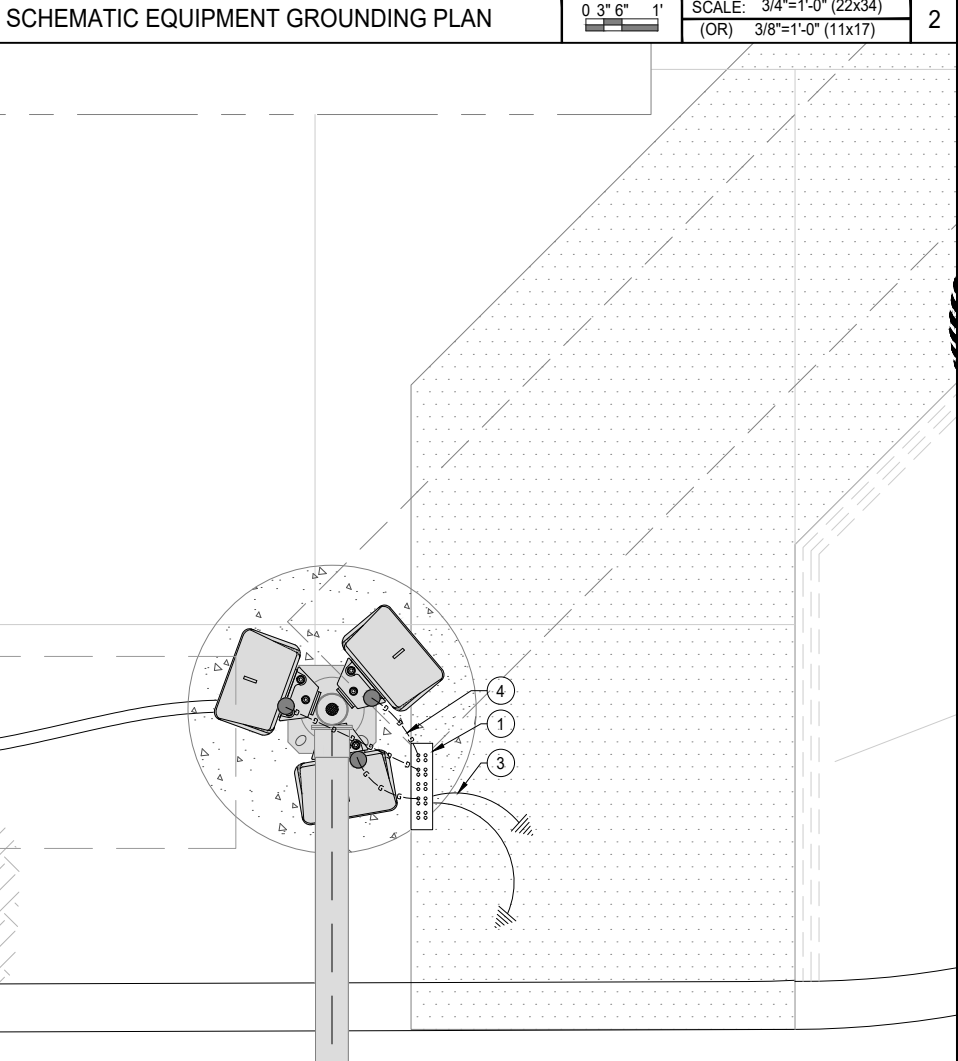
GENERAL GROUNDING NOTES

SCALE: N.T.S. 3



SCHEMATIC EQUIPMENT GROUNDING PLAN

SCALE: 3/4"=1'-0" (22x34) (OR) 3/8"=1'-0" (11x17) 2



SCHEMATIC ANTENNA GROUNDING PLAN

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



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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

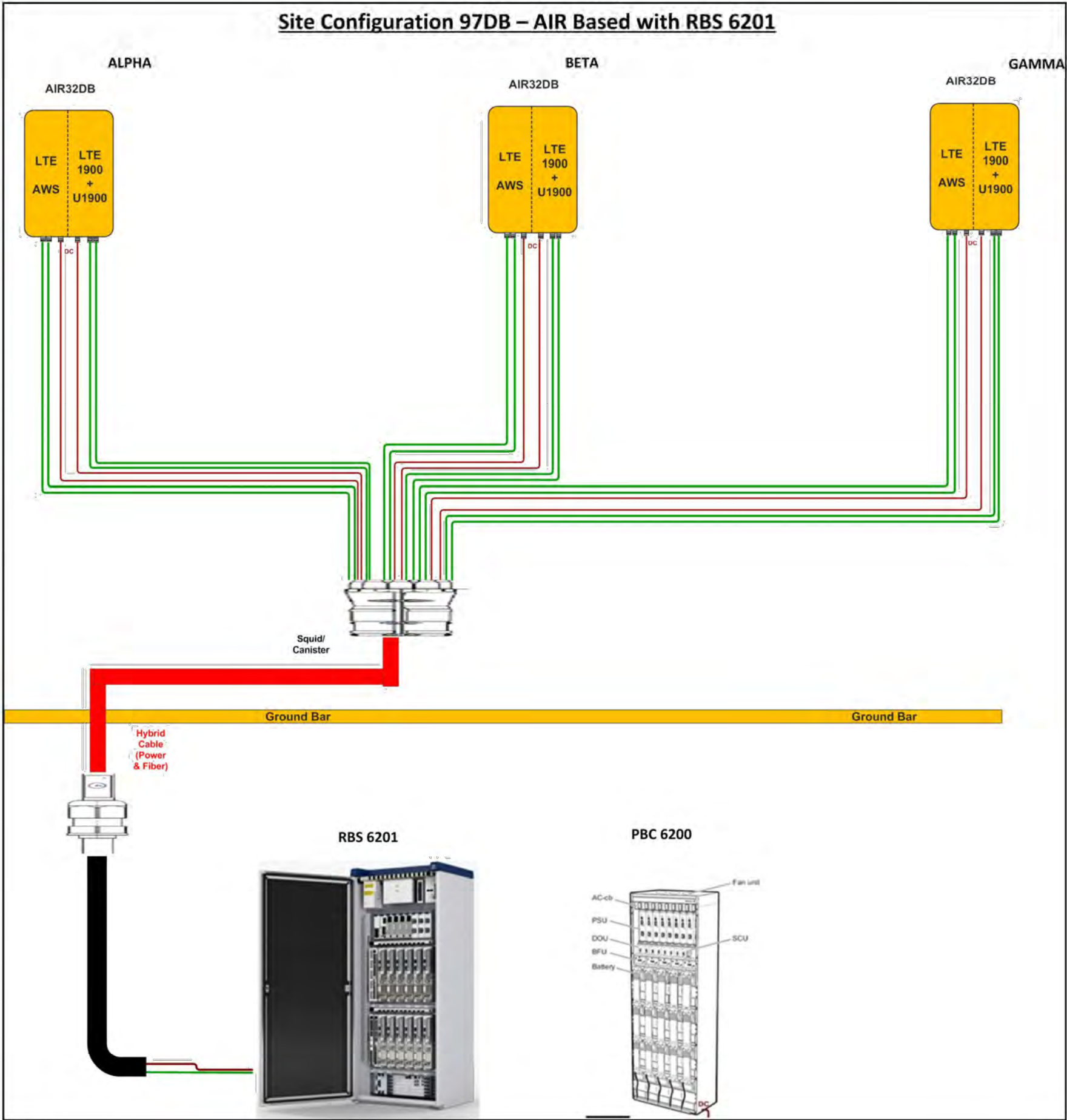
EQUIPMENT
CONFIGURATION

SHEET NUMBER

RF-1.0

97DB_6201_1HCS.jpg

Site Configuration 97DB – AIR Based with RBS 6201



Notes:

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FOR REFERENCE
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SAN DIEGO, CA 92102

SHEET TITLE

VALMONT STRUCTURES
SPECIFICATIONS

SHEET NUMBER

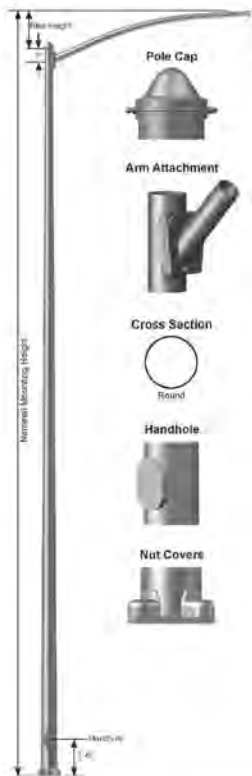
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SCALE
N.T.S.

1

ROUND TAPERED STEEL
Smooth
DS32

Job Name:	Client Name:
Job Location - City:	State:
Product: DS32	Quote:
Created By:	Date:
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 SPAN (FT)	RISE HEIGHT (IN)	BASE OD (IN)	END OD (IN)	WALL THK (IN)
4	0'-6"	3.00	2.40	11
5	1'-0"	3.30	2.40	11
8	1'-6"	3.60	2.40	11
10	1'-8"	3.90	2.40	11
12	2'-0"	4.10	2.40	11
15	2'-6"	4.60	2.40	11

Double Arm Arrangement



VALMONT INDUSTRIES, INC. 38800 104 STREET, PO BOX 358 - VALLEY, NE 68064 USA 800.825.6668 VALMONTSTRUCTURES.COM

ROUND TAPERED STEEL
Smooth
DS32

Job Name:	Client Name:
Job Location - City:	State:
Product: DS32	Quote:
Created By:	Date:
Customer Approval:	Date:

ANCHORAGE DATA

POLE BASE OD (IN)	BASE PLATE				ANCHOR BOLTS				
	SQUARE		THK. (IN)	DIAMETER (IN)	LENGTH (IN)	HOOK (IN)	PROJECTION (IN)	+ (IN)	
DIAMETER (IN)	+ (IN)	SQUARE (IN)							
7.50	10.50	5.00	11.25	0.875	1.00	3.00	4.00	4.13	0.25
8.00	11.00	5.00	11.50	0.875	1.00	3.00	4.00	4.13	0.25
8.50	11.50	5.00	12.00	1.000	1.00	3.00	4.00	4.25	0.25
9.00	12.00	5.00	12.50	1.000	1.00	3.00	4.00	4.25	0.25
9.50	12.50	5.00	13.00	1.000	1.00	3.00	4.00	4.25	0.25
10.00	13.00	5.00	13.50	1.000	1.00	3.00	4.00	4.25	0.25
10.50	13.50	5.00	14.00	1.000	1.00	3.00	4.00	4.25	0.25
11.00	14.00	5.00	14.50	1.250	1.25	4.00	6.00	5.00	0.25