



THE CITY OF SAN DIEGO

Report to the Planning Commission

DATE ISSUED: March 5, 2020 REPORT NO. PC-20-014

HEARING DATE: March 12, 2020

SUBJECT: T-MOBILE ISLAND VIEW MARKET. Process Four Decision

PROJECT NUMBER: [492749](#)

REFERENCE: The Wireless Ordinance (SDMC 141.0420) was updated effective September 9, 2019 by [Ordinance O-21117 N.S.](#) This project was submitted August 31, 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 6).

OWNER/APPLICANT: AA Meram, LLC/Crown Castle International

SUMMARY

Issue: Should the Planning Commission approve a Wireless Communication Facility (WCF) located at 5080 Logan Avenue within the Lincoln Park Neighborhood of the Encanto Neighborhoods Community Planning area?

Staff Recommendation: DENY Planned Development Permit (PDP) No. 2205379 and Neighborhood Development Permit (NDP) No. 2205380 (Attachment 5).

Community Planning Group Recommendation: On April 15, 2019, the Chollas Valley Community Planning Group voted 9-1-2 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 15270 (Projects Which Are Disapproved). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on December 6, 2019 and the opportunity to appeal that determination ended December 20, 2019.

Fiscal Impact Statement: Processing costs paid for by applicant fees.

BACKGROUND

T-Mobile Island View Market is an application by Crown Castle for a PDP and NDP to continue the operation of a previously-approved WCF at 5080 Logan Avenue in the CN-1-3 zone. The project is located behind a commercial building near the northwest corner of Logan Avenue and Euclid

Avenue. The site is designated for Neighborhood Mixed Use-Low (15- 29 du/ac) in the Encanto Neighborhoods Community Plan. Surrounding uses include commercial uses to the south and east, an office building to the west, and vacant land to the north, with single-unit residential beyond (Attachments 1-3).

This project is a 50-foot-tall faux palm (“monopalm”) proposed to support six panel antennas, three remote radio units, and three tower-mounted amplifiers. The associated equipment is located within a 286-square-foot enclosure (Attachment 12). The project was approved by staff in 2006 and the permit expired June 5, 2016. An application for a new permit was submitted in 2016, with intermittent resubmittals, but none addressed the core design issue of integration that was raised by staff from the onset (see “Discussion” below for more information).

[Council Policy 600-43](#) assigns preference levels to WCFs proposed on different land uses, with Preference 1 being the highest and Preference 4 the lowest. Commercial properties are considered Preference 1 and typically are a Limited Use (Process One). However, this project seeks three deviations: one from the CN-1-3 height limit, the other from the CN-1-3 side yard setback and the other from the design requirements of the WCF regulations ([SDMC Section 141.0420\(g\)\(2\)](#)), which requires a Process Four PDP. The project also requires a Process Two NDP per [SDMC 126.0402\(m\)](#) to allow an equipment area larger than 250 square feet. Both permits are consolidated under Process Four per [SDMC 112.0103\(a\)](#), and are discussed below.

The WCF Regulations were updated effective September 9, 2019; the above code references are to the version in effect at the time the project was deemed complete (Attachment 6).

The proposed project is a new permit for a previously-permitted monopalm. The monopalm was first permitted in 2006. Monopalms were the first industry design solution developed with an intent to integrate or camouflage a WCF in the early days of camouflage technology. Antennas were much smaller in the early days of wireless, and only a small amount of associated equipment was required to be mounted in the palm canopy. The larger antennas and additional support devices required by today’s wireless networks cannot be effectively camouflaged within a monopalm.

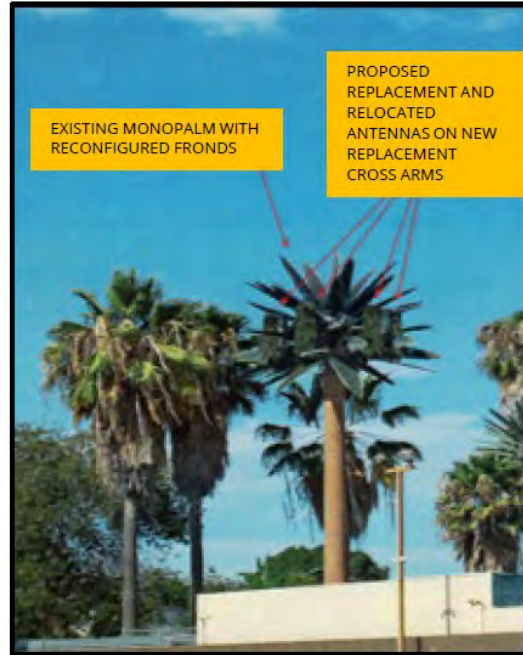
DISCUSSION

Project Description:

The T-Mobile Island View Market project proposes to reduce the length of the T-arms from 10 feet in length to 6 feet, 3 inches and reduce the number of antennas from 12 to six to lessen the bulk of equipment within the palm canopy.



Existing



Proposed

As can be seen from the photos above, the nature and form factor of a palm tree does not lend itself to concealing antennas and associated equipment. The applicant first submitted an artist's rendering as a photo simulation for the proposed project (shown above right). However, due to issues with artistic simulations over the years, the City now requires a 3D model simulation package prepared by the tree vendor as a tool for reviewing faux tree projects. This 3D sim uses a computer generated model built to the exact specifications of the proposed tree to illustrate the resulting project.



As can be seen, the simulation on the left prepared by the tree vendor for this project, demonstrates and confirms that palm fronds do not provide adequate concealment of the antennas. In 2006 when the project was initially approved, a ten-year expiration was included in the permit, in recognition of rapidly changing technology. Today, technology demands larger antennas and additional electronic components to support the antennas, all of which require thoughtful consideration to integration not only into a setting but also the immediate community. Over the years, the City has kept pace with these changes offering carriers incentives for better designs and full integration.

In 2019, staff revised the Wireless Guidelines to officially include language prohibiting new monopalms. The Guidelines were incorporated into the Land Development Manual in September 2019. The City of San Diego has approximately 25 monopalms remaining, all of which will eventually be scheduled for a Planning Commission hearing in the near future.

There have been many advancements in design technology over the past 20 years. Staff has strongly encouraged Crown Castle (acting on behalf of T-Mobile) to replace the monopalm with a design that would allow future upgrades with larger antennas. A different type of concealment could allow additional equipment, but would not cause adverse visual impacts to the community. Sprint has a monopalm on the property to the east, also owned by the same landlord. That permit expires in March and staff will be recommending that Sprint replace that monopalm with a design that complies with the WCF regulations and Guidelines.

Over the past several years, prior to the application for this project, it has been staff's consistent recommendation that monopalms do not meet the requirements of the Wireless Ordinance. Staff has only allowed modifications to monopalms that qualify as an Eligible Facilities Request (EFR) under the Spectrum Act (sometimes referred to as 6409[a], a Federal law which was included as part of the Middle-Class Tax Relief and Job Creation Act of 2012). Projects which meet certain criteria identified by the Federal Communications Commission (FCC) may qualify for processing under the Spectrum Act, as long as the proposal does not result in a "substantial change" and if they meet this criterion, they must be approved, and shall not be denied, within 60-days from the initial submittal date.

Community and General Plan Analysis:

The [Encanto Neighborhoods Community Plan](#) refers to the SDMC and the WCF Guidelines to provide guidance to stakeholders involved in the design and development of WCFs in the City. It goes further by referencing Public Facilities, Service and Safety Element policies in the General Plan to address the need for a wireless infrastructure. The Plan has numerous references to reducing visual impacts and providing visual relief in the community.

The City's General Plan also addresses WCFs in the [Urban Design Element](#) (UD-A.15). 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 proposal to maintain a monopalm in this community does not conform to the recommendations or policies of either the Community Plan or the General Plan.

Project-Related Issues:

The intent of a PDP is to encourage imaginative and innovative planning, to assure that the development achieves the purpose and intent of the applicable land use plan and that it would be preferable to what would be achieved by strict conformance with the regulations. Expiration dates are imposed on WCFs to review and modify these facilities to comply with current design standards. Table 1 outlines the specific requests for deviations for this project:

DEVIATIONS SUMMARY			
Table 1			
Deviation Description	Deviation from SDMC	Allowed	Proposed
1. Building Height	SDMC 131.0531(a) Table 131-05C	30 feet maximum height	50 feet
2. Side Yard Setback	SDMC 1312.0531(a) Table 131-05C	0 or 10 feet	2-foot-2-inches
3. WCF Integration Requirement	SDMC 141.0420(g)(2)	Yes	Faux palm with exposed antennas

The CN-1-3 zone allows a maximum structure height of 30 feet and requires a 0- or 10-foot side yard setback. The monopalm is 50 feet tall and the equipment enclosure maintains a 2-foot, 2-inch side yard setback. The area around the project site is predominantly low-scale except for a health center across the street to the south. The height and setback deviations could be considered if the project included an innovative and/or imaginative design that was better integrated into the neighborhood. However, staff cannot support the deviation to the integration requirement to allow a monopalm. The WCF regulations require facilities to be concealed or minimized visually through integration. Integration must be accomplished through the use of architecture, landscape and siting solutions. A deviation to the integration requirement must demonstrate that the project is superior to what would be achieved in strict compliance with the regulations. This project does not demonstrate that; therefore, staff recommends denial of the PDP as currently presented.

Conclusion:

Based on the design, the fact that the project is existing with an expired permit, and that there are no efforts to ensure compliance with the Municipal Code, staff is recommending that the project be denied as designed. Another type of concealment should be considered at this location. Staff has prepared draft findings of denial for PDP No. 2205379 and NDP No. 2205380 (Attachment 5).

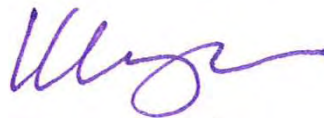
ALTERNATIVE:

Continue the project to a future date/time certain so that the appropriate findings and permit can be drafted, the appropriate CEQA determination can be made, and incorporation of any design revisions, if so directed by the Planning Commission.

Respectfully submitted,



PJ FitzGerald
Assistant Deputy Director
Development Services Department



Karen Lynch
Development Project Manager
Development Services Department

FITZGERALD/KAL

Attachments:

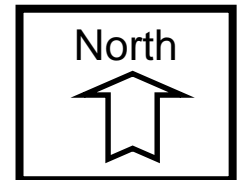
1. Aerial Photographs
2. Community Plan Land Use Map
3. Project Location Map
4. Project Data Sheet
5. Draft Resolution with Findings
6. Previous SDMC Section 141.0420
7. Coverage Maps
8. Photo Survey
9. Community Planning Group Recommendation
10. Ownership Disclosure Statement
11. Photo Simulations
12. Project Plans

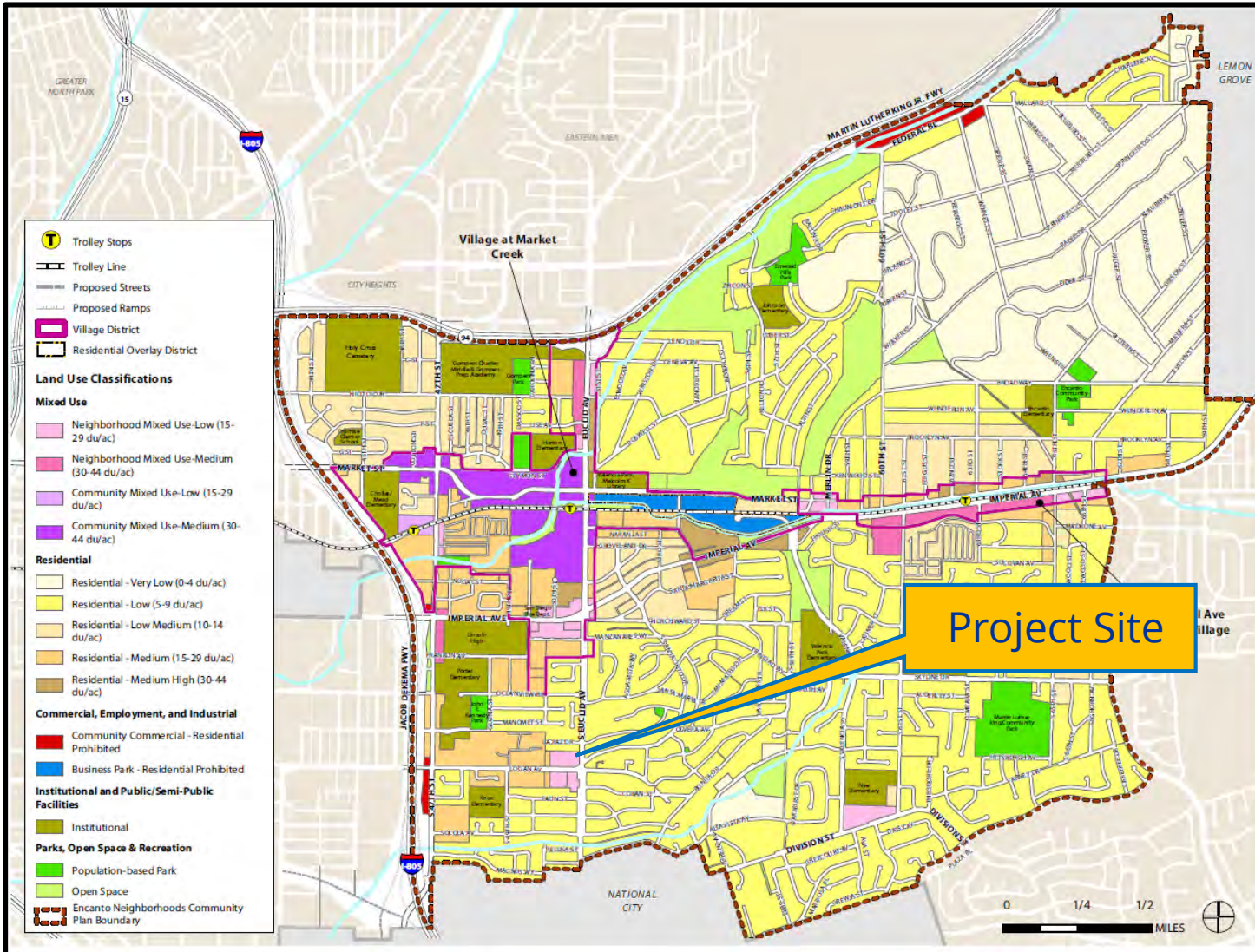


Aerial Photo

T-Mobile Island View Market/ 5080 Logan Avenue

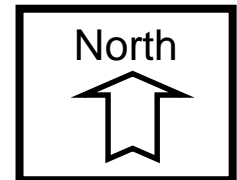
PROJECT NO. 492749

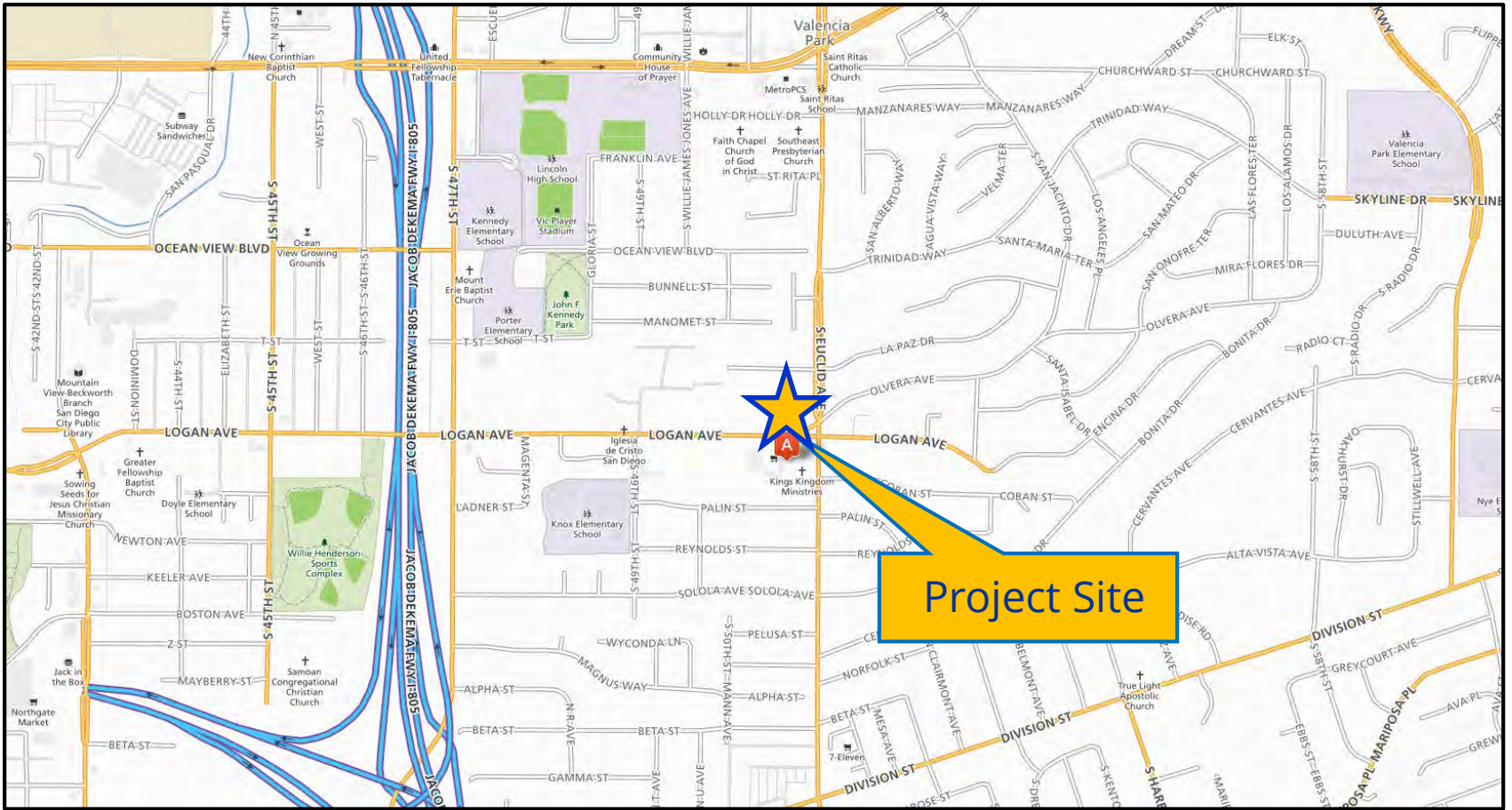




Land Use Map

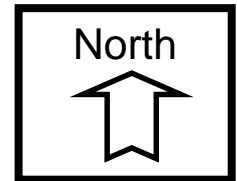
T-Mobile Island View Market/ 5080 Logan Avenue
 PROJECT NO. 492749





Project Location Map

T-Mobile Island View Market/ 5080 Logan Avenue
 PROJECT NO. 492749



PROJECT DATA SHEET

PROJECT NAME:	T-Mobile Island View Market	
PROJECT DESCRIPTION:	An existing Wireless Communication Facility consisting of a 50' tall monopalm that will support 6 panel antennas, 3 remote radios and 3 tower mounted amplifiers. Existing equipment is located within a 286-square-foot enclosure.	
COMMUNITY PLAN AREA:	Encanto Neighborhoods	
DISCRETIONARY ACTIONS:	PDP/NDP	
COMMUNITY PLAN LAND USE DESIGNATION:	Neighborhood Mixed Use-Low (15-29 du/acre)	
ZONING INFORMATION:		
ZONE:	CN-1-3 (Commercial-Neighborhood)	
HEIGHT LIMIT:	30 feet (50 feet proposed)	
FRONT SETBACK:	10 feet (maximum)	
SIDE SETBACK:	0 or 10 feet (2', 2" proposed)	
STREETSIDE SETBACK:	10 feet (maximum)	
REAR SETBACK:	0 or 10 feet (min/optional)	
ADJACENT PROPERTIES:	LAND USE DESIGNATION & ZONE	EXISTING LAND USE
NORTH:	Residential-Med High (30-44 du/ac); CN-1-3	Vacant
SOUTH:	Neighborhood Mixed Use-Low (15-29 du/ac); CN-1-3	Commercial Retail; Strip Mall
EAST:	Neighborhood Mixed Use-Low (15-29 du/ac); CN-1-3	Commercial Retail
WEST:	Neighborhood Mixed Use-Low (15-29 du/ac); CN-1-3	Commercial; Office
DEVIATION REQUESTED:	<ol style="list-style-type: none"> 1. Height – 20-foot deviation to allow a 50-foot tall monopalm; 2. Side yard setback – 0 or 10' required, 2',2" proposed; 3. Integration – Palm frond form factor conflict with antennas and associated electronic devices. 	
COMMUNITY PLANNING GROUP RECOMMENDATION:	On April 15, 2019, the Chollas Valley Community Planning Group voted 9-1-2 to recommend approval of the project.	

PLANNING COMMISSION RESOLUTION NO. [REDACTED]
PLANNED DEVELOPMENT PERMIT NO. 2205379
NEIGHBORHOOD DEVELOPMENT PERMIT NO. 2205380
T-MOBILE ISLAND VIEW MARKET - PROJECT NO. 492749

WHEREAS, Crown Castle International, Permittee and AA Meram LLC, Owner, filed an application with the City of San Diego for a permit for a Wireless Communication Facility (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No.'s 2205379 and 2205380, on portions of a .28-acre site;

WHEREAS, the project site is located at 5080 Logan Avenue in the CN-1-3 zone of the Encanto Neighborhoods Community Planning area;

WHEREAS, the project site is legally described as Parcel C of Parcel Map No. 267, in the City of San Diego, County of San Diego, State of California, filed in the Office of the County Recorder of San Diego County, June 10, 1970 as File No. 100421 of Official Records;

WHEREAS, on December 6, 2019, the City of San Diego, as Lead Agency, through the Development Services Department, made and issued an Environmental Determination that the project is exempt from the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) under CEQA Guideline Section 15270 (Projects Which Are Disapproved) 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 March 12, 2020, the Planning Commission of the City of San Diego considered Planned Development Permit (PDP) No. 2205379 and Neighborhood Development Permit (NDP) No. 2205380 pursuant to the Land Development Code of the City of San Diego; NOW, THEREFORE,

BE IT RESOLVED by the Planning Commission of the City of San Diego, that it adopts the following findings with respect to PDP No. 2205379 and NDP No. 2205380:

A. PLANNED DEVELOPMENT PERMIT [SDMC Section 126.0605]**1. The proposed development will not adversely affect the applicable land use plan.**

The Encanto Neighborhoods Community Plan refers to the Wireless Communication Facilities (WCF) regulations (San Diego Municipal Code Section 141.0420) and the WCF Guidelines for direction on the design and development of WCFs proposed within the community. Pursuant to SDMC Section 141.0420(g)(2), WCFs shall use all reasonable means to conceal or minimize visual impacts through integration. Integration shall be accomplished through architecture, landscape and siting solutions.

This project seeks two deviations to the CN-1-3 zone development regulations, which requires a Planned Development Permit (PDP). The first is to deviate from the 30-foot height limit by 20 feet to allow the monopalm to remain at 50 feet. The second is to allow a 2-foot, 2-inch side yard setback for the equipment enclosure where 0- or 10-feet is required. The height and setback deviations could be considered if the project included an innovative and/or imaginative design that was better integrated as required by the WCF regulations. The third deviation is for a non-integrated WCF project.

The intent of a PDP is to encourage imaginative and innovative planning, to assure that the development achieves the purpose and intent of the applicable land use plan and that it would be preferable to what would be achieved by strict conformance with the regulations. Expiration dates are imposed on WCFs to review and modify these facilities to comply with current design standards.

The existing monopalm is setback from Logan Avenue approximately 93 feet and is situated with three mature live palms which were required when the original permit was approved in 2006. Monopalms were not a new design technology in 2006, but they were still accepted as a means to camouflage antennas. Antennas were much smaller in the early days of wireless technology, and only a small amount of associated equipment was required to be mounted in the palm canopy. The larger antennas required by today's wireless networks cannot be effectively camouflaged within a monopalm.

The City's General Plan also addresses WCFs in the [Urban Design Element](#) (UD-A.15). It states that visual impacts associated with 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 nature and form factor of a palm tree specifically the contrast of straight antennas against the centrifugal fronds does not lend itself to concealing or camouflaging antennas and associated equipment.

The Plan contains numerous recommendations and policies to reduce visual blight and to add value and improve the visual characteristics of the area. As proposed, maintaining a

monopalm in this community does not conform to the recommendations or policies of either the Community Plan or the General Plan.

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

The WCF is located behind a commercial building in the community of Encanto Neighborhoods at 5080 Logan Avenue. The project site is zoned CN-1-3. WCFs are permitted in this zone as a Limited Use pursuant to compliance with the underlying zone and the WCF regulations. The project is an existing 50-foot tall monopalm that will support six panel antennas and three remote radios. The associated equipment is in a 286-square-foot equipment shelter.

The project was determined to be exempt from CEQA pursuant to Section 15270 (Projects Which are Disapproved). If the project is approved, the permit will require additional CEQA analysis and compliance with several operational constraints and development controls intended to assure the continued public health, safety and welfare. All proposed improvement plans associated with the project will be reviewed prior to issuance of construction permits and inspected during construction to assure the project will meet or exceed all relevant and applicable building, electrical, mechanical, plumbing and fire codes.

The Telecommunications Act of 1996 preempts local governments from regulating the "placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) 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 be in compliance 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 proposed deviations pursuant to Section 126.0602(b)(1) that are appropriate for this location and will result in a more desirable project than would be achieved if designed in strict conformance with the development regulations of the applicable zone, and any allowable deviations that are otherwise authorized pursuant to the Land Development Code.

The project as it exists, does not comply with the Wireless Communication Facilities (WCF) regulations for integration nor does it comply with all the development regulations of the CN-1-3 zone.

The purpose of a PDP, as stated in SDMC 126.0601, is to establish a review process for development that allows an applicant to request greater flexibility from the strict application of the regulations than would be allowed through a deviation process. The intent is to encourage imaginative and innovative planning and to assure that the development achieves the purpose and intent of the applicable land use plan and that it would be preferable to what would be achieved by strict conformance with the regulations. Expiration

dates are imposed on WCFs to review and modify these facilities to comply with current design standards.

The project is an existing 50-foot tall monopalm that was originally approved in 2006, when monopalms were still considered a design solution developed with an intent to integrate or camouflage a WCF in the early days of camouflage technology. Since this project was submitted in 2016, staff has recommended that the monopalm be replaced with a structure that would comply with the WCF design regulations. Crown Castle has proposed to reduce the number of antennas from 12 to six and to replace the T-arms from 10 feet in length to 6 feet, 3 inches. However, the nature and form factor of a palm tree (specifically, the contrast of straight antennas against the radial fronds) does not lend itself to concealing or camouflaging antennas and associated equipment. The WCF regulations require that visual impacts associated with WCFs be minimized or concealed through integration. Integration is to be accomplished with architecture, landscape and siting solutions. A deviation to the integration requirement must demonstrate that the project is superior to what would be achieved in strict compliance with the regulations. This project does not demonstrate that.

The height limit in the CN-1-3 zone is 30 feet and Crown Castle is requesting a 20-foot deviation to allow the 50-foot tall monopalm to remain. The 286-square-foot equipment enclosure is located 2 feet, 2 inches from the side yard setback where either a 0- or 10-foot setback is required. The height and setback deviations could be considered if the project included an innovative and/or imaginative design that was better integrated into the neighborhood.

In addition to the PDP, the project requires a Neighborhood Development Permit pursuant to SDMC 141.0420(g)(3) to allow an equipment area larger than 250 square feet.

The project does not meet the design requirements of SDMC 141.0420, nor the development regulations of the CN-1-3 zone, therefore, it will not result in a more desirable project than would be achieved if designed in strict conformance with the development regulations of the applicable zone, and any allowable deviations that are otherwise authorized pursuant to the Land Development Code.

B. NEIGHBORHOOD DEVELOPMENT PERMIT [SDMC 126.0404]

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

Please see PDP Finding No. 1 above for facts supporting this Finding. For the reasons described in that Finding, which are hereby incorporated into this Finding by reference, the proposed development will adversely affect the applicable land use plan.

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

Please see PDP Finding No. 2 above for facts supporting this Finding. For the reasons described in that Finding, which are hereby incorporated into this Finding by reference, the proposed development will not be detrimental to the public health, safety, and welfare.

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

Please see PDP Finding No. 3 above for facts supporting this Finding. For the reasons described in that Finding, which are hereby incorporated into this Finding by reference, the proposed development will not comply with the applicable regulations of the Land Development Code including any allowable deviations pursuant to the Land Development Code.

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

BE IT FURTHER RESOLVED that, based on the findings hereinbefore adopted by the Planning Commission, PDP No. 2205379 and NDP No. 2205380 is hereby GRANTED by the Planning Commission to the referenced Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit No. 2205379/2205380, a copy of which is attached hereto and made a part hereof.

Karen Lynch
Development Project Manager
Development Services

Adopted on: March 12, 2020

IO#: 24006750

§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.)

T-Mobile

SD06808A

Coverage Map & *Telecom Justification Map*

**RF Team San Diego Market
May 23, 2016**





Contents:

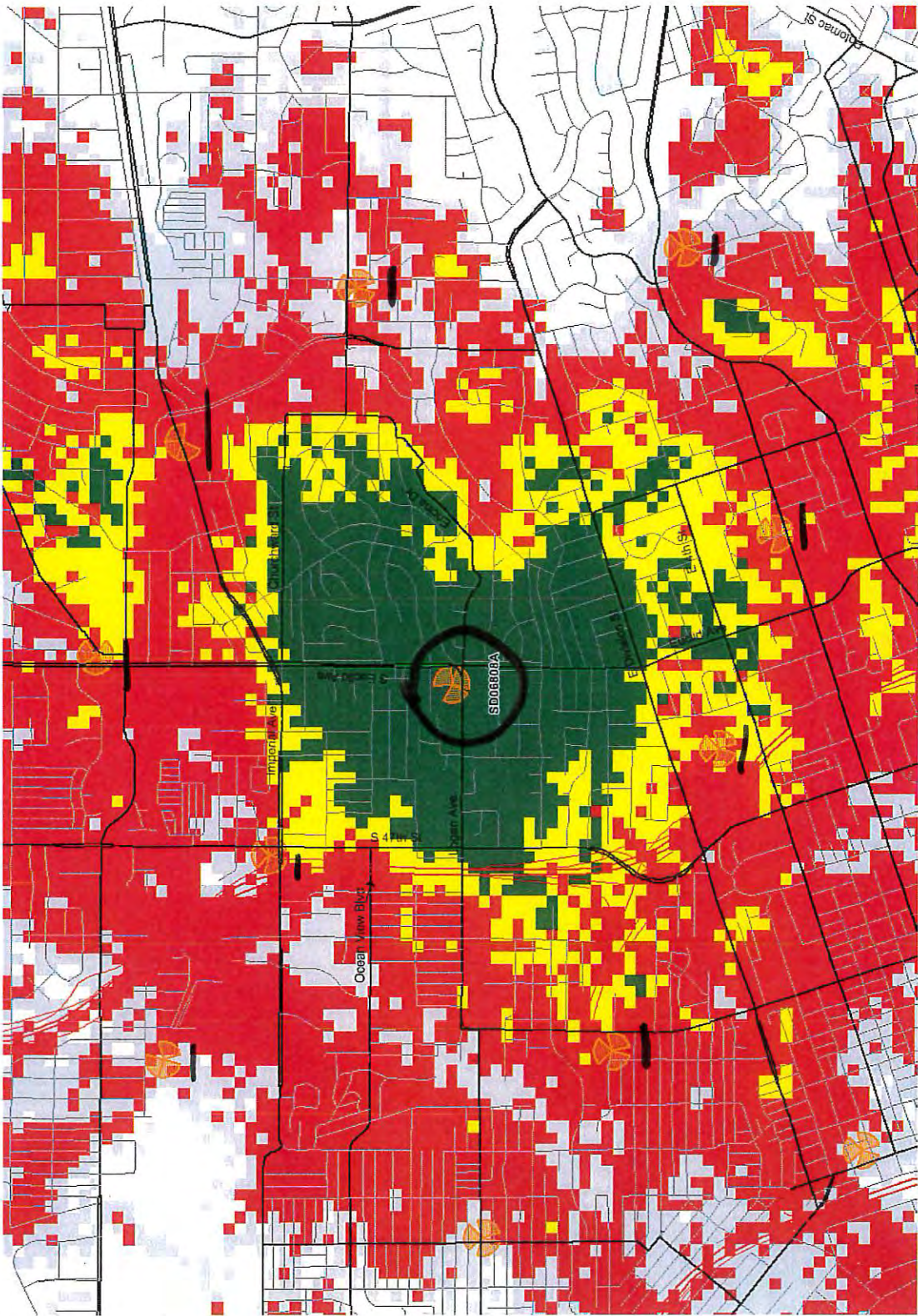
Plots :

- **SD06808A Coverage**
- **SD06808A with On-Air Neighbors**
- **On-Air Neighbors without SD06808A**





SD06808A Coverage

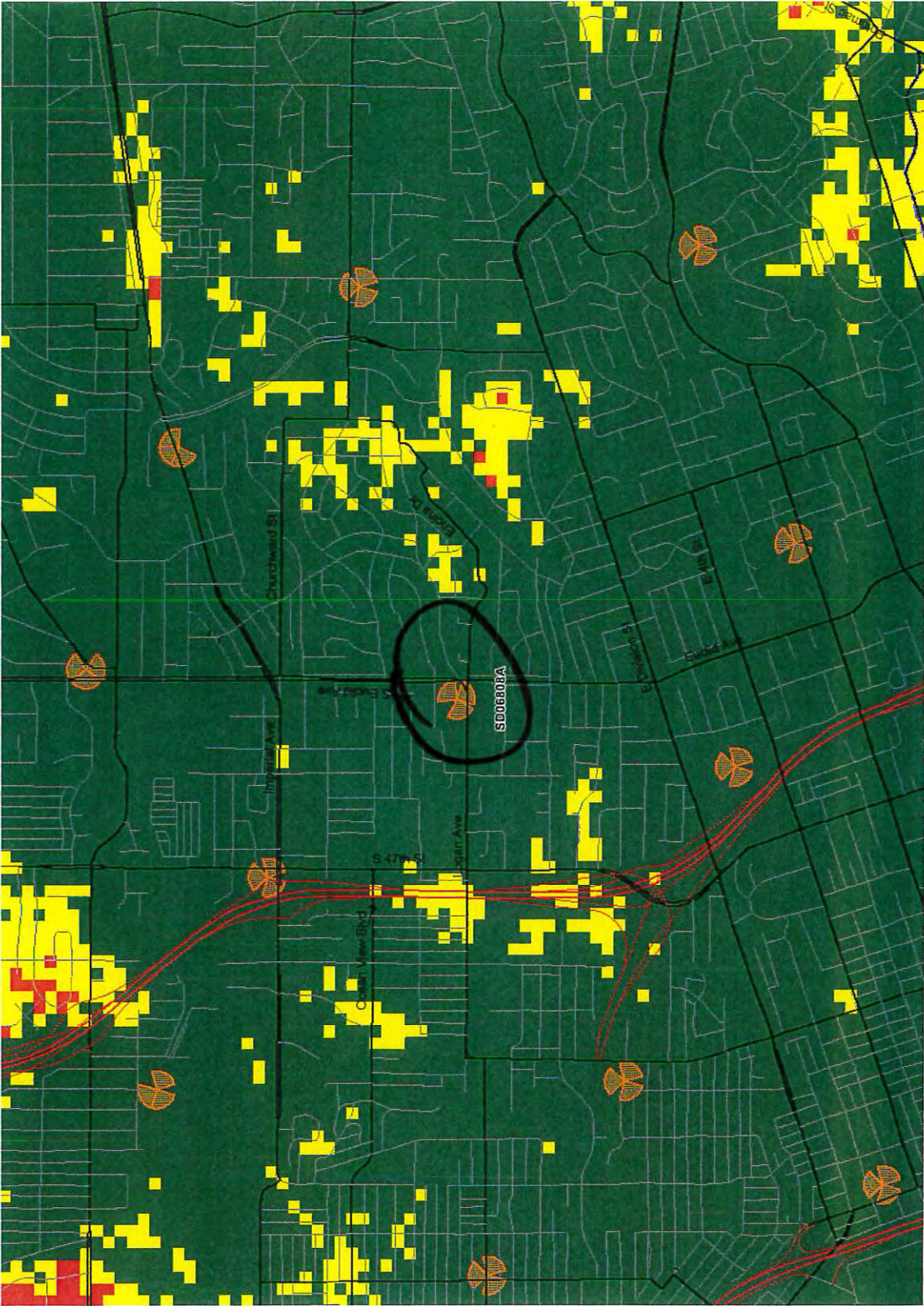


Excellent Good Poor



SD other T-Mobile Sites in network

SD06808A with On-Air Neighbors

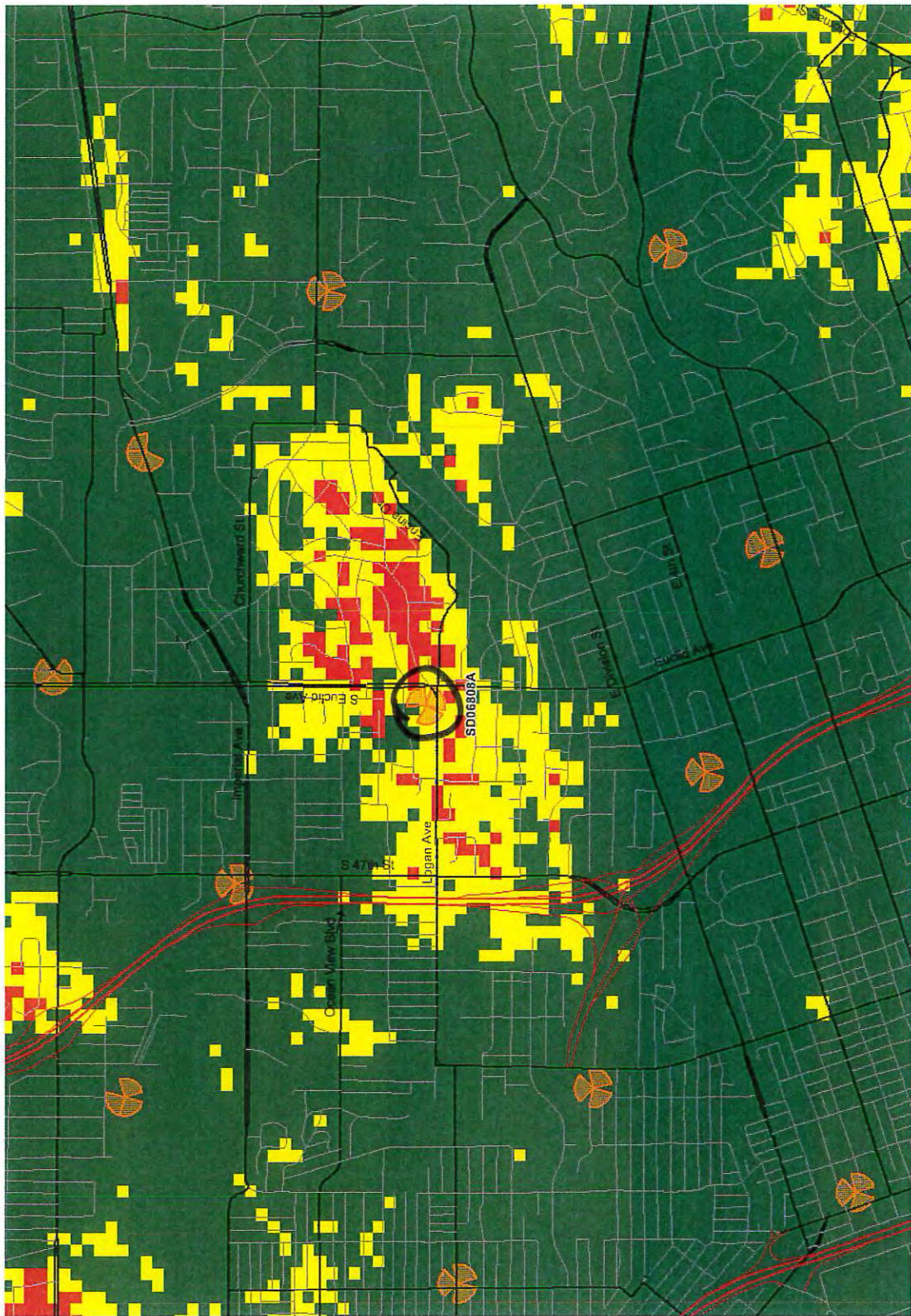


Excellent Good Poor





On-Air Neighbors without SD06808A



Excellent Good Poor



PHOTO SURVEY



























**CHOLLAS VALLEY COMMUNITY PLANNING GROUP
MINUTES OF MEETING**
Jacobs Center, 404 Euclid Avenue, Community Room, San Diego, CA 92114
Monday, April 15, 2019 6:30pm – 9:00pm

Seat (Term 2017-2019)	Member	Present	Seat (Term 2018-2020)	Member	Present
1. Alta Visa	Marry Young	Y	9. Broadway Heights	Booker Sanders	Y
2. Encanto	N/A	N/A	10. Chollas View	Kwame Oates	Y
3. O'Farrell	N/A	N/A	11. Emerald Hills	Christie Hill	Y
4. Valencia Park	Monte Jones	N	12. Lincoln Park	Leslie Dudley	Y
5. At-Large	Karina Velazquez	Y	13. At-Large	Khalada Salaam-Alaji	Y
6. At-Large ('18-'19)	Evan Toma	N	14. At-Large	Shawn Glisson	Y
7. At-Large	Demetre Booker Jr.	Y	15. At-Large	Sandi Hazlewood	Y
8. At-Large	Shanna Waldrop	Y	16. At-Large ('19-'20)	Keith Van Wagner	Y
City Dept.	Name	Present	Office	Name	Present
Planning	Elizabeth Dickson	N	Mayor's Office	Darnisha Hunter	N
Civic SD	Sherry Brooks	N	Council District 4	Karen Montufar	Y
JCNI	Reginald Jones	N	Assembly 79 th	LaShae Collins	Y
SDPD	Vicki Coore	Y	Senate 39 th	Chevelle Newell-Tate	N
County	Erin Wilson-Nieves	Y	Congress 51 st	Stephanie Allen	N
Number of Visitors: 12			Sign-in Sheet on File: Yes		

1. **Call to Order & Introductions**

Chairman Sandi Hazlewood called the meeting to order at 6:30pm.
A quorum was present (11 out of 14 members).

2. **Adoption of the Agenda**

Motion made by Christie Hill to approve the agenda. Seconded by Booker Sanders. Vote: 11-0-1. Motion Carried. Sandi Hazlewood abstained.

3. **Review and Approval of Minutes from March**

Two different Meetings to Approve from March:

- Special Meeting: **Motion made by Kwame Oates to approve the March 2019 Special Meeting minutes. Seconded by Marry Young. Vote: 10-1-1. Motion Carried. Sandi Hazlewood abstained.**

Note: Correction to the spelling of Shanna Waldrop and Christie Hill.

Khalada Salaam-Alaji arrives. Quorum now 12 out of 14.

- Regular Meeting: **Motion made by Shawn Glisson to approve the March 2019 Regular Meeting minutes. Seconded by Christie Hill. Vote: 11-0-1. Motion**

Chollas Valley Community Planning Group



Celebrate • Promote • Foster • Enhance • Create

Carried. Sandi Hazlewood abstained.

Note: Correction to "AB931" from State Assembly District 79 report to correctly read AB392.

4. Communications from the Public:

No Communications from Public.

- a. Leslie Dudley (Board Member): CUP notice for KIPP Academy. Leslie states that KIPP sent a notice to the public for the CUP after we voted on the project. Leslie states that this has happened before where projects are put before the board and the public didn't know about them in time.

Sandi Hazlewood (Chair): States that notice is not a requirement. Posting of our agenda 72 hours prior to our Regular Meeting is official public notice.

Shawn Glisson states that if community input is not happening then we should look at why it is not, and how we can increase community input.

5. Chair's Report:

- a. Received email notification from City of San Diego of proposal to sell the property located at 415 Euclid Avenue. Tubman-Chavez Community Center sits on property. Chair requested a presentation by the City of San Diego's Real Estate Assets Department regarding the surplus property decision making process overall and then specific to this piece of property. Informed that Real Estate Assets is not anticipating attending the CVCPG meeting nor making a presentation. Requested additional information from the Office of Council District 4 regarding our next steps in receiving additional information, or what steps we can take if that information is not received.
- b. We will be discussing a CVCPG engagement plan at our next regularly scheduled meeting. Demetre Booker will facilitate that conversation. Request that the public bring their ideas for better community engagement with the CVCPG. Chair wanted to explain the item in lieu of the next regular meeting agenda going out.

6. Staff Reports:

- a. **Mayor's Office:** Representative not present.
- b. **Council District 4:** Karen Montufar: States that Eric Hinson is at a Planning Conference. On Wednesday, April 17, 2019 at the Tubman-Chavez Center the Council Member (Monica Montgomery) and San Diego City Attorney (Mara Elliot) will be holding a conversation regarding independent living facilities. States that illegal dumping is a really big issue in our community. Annual *I Love a Clean San Diego* event on April 27th. It's a Saturday and the event takes place between 9AM and 12PM. There are 4 sites within Council District 4 designated for cleanup. Curbs will be painted at the MLK Recreation Center. States that we are going into budget season. Provided a flier at the Information Table located at the Entrance that summarizes the budget making process and provides key dates. Provided Council District 4 Newsletter. Newsletter was passed out and additional copies were placed at the Information Table at the Entrance. March Newsletter highlights first 100 days for Council Member Montgomery.



Celebrate • Promote • Foster • Enhance • Create

Questions:

Leslie Dudley: Suggests a flier that can be provided informing people where and when to dump for free.

Christie Hill: Informed Karen of the process that her community is engaged in for funding for a joint use park and basketball courts.

Leslie Dudley: Question regarding whether any decision has been made regarding DIF funds for Council District 4. Karen states that no decision has been made.

- c. **Assembly District 79:** Assembly Member Dr. Shirley Weber attending the meeting while on vacation: States that she appreciates that we meet all the time, that we take care of the business of the people, and that we provide input to the community. Wanted to inform us regarding AB392 which changes the policy regarding the use of lethal force. States that it is highly controversial. Currently AB392 is out of the Public Safety Committee and going to the floor of the Assembly. States that the policy underlying AB392 has worked to decrease officer involved shootings in Seattle, San Francisco, and Los Angeles.

LaShae Collins: Looking for nominations for Veteran of the Year to represent the 79th Assembly District. Nominations due May 3rd.

Honoring Men of Distinction within the 79th Assembly District. Program similar to Salute to Women Leaders Program. There are categories in which men can be nominated. Forms for nomination placed on the Information Table at the Entrance. Provided information regarding the Real ID requirements as of October 2020.

Encouraged those in attendance to start making appointment now for the Real ID's in order to avoid the rush and be in compliance by October 2020. No entrance to federal buildings after October 2020 without that ID.

Shawn Glisson noted that you will not be able to take domestic flights as well.

Leslie Dudley proposed including new Real ID's in our bylaws as requirement.

Sandi Hazlewood stated that we need to restart the bylaws committee and that proposal can be made there.

- d. **Senate District 39:** Representative not present.
- e. **County District 4:** Erin Wilson-Nieves: Informed regarding Reinvestment Tax Board. Both Nathan Fletcher of County District 4 and Monica Montgomery of Council District 4 are board members. Board oversees reinvestment into marginalized communities. Board is re-starting. Open to members of the community. First meeting on April 18th. The meeting will be focused on small business. It will be held at the San Diego Housing Commission from 1PM-3PM at 1122 Broadway.
Open seats on Boards and Commissions: Aging and Independent Services Commission, Air Pollution Control Board, County Hearing Officer, Flood Control District, and Historic Site Board.
County Internship Program Started.
Celebrating 100th Day in Office 1-3PM. Free taco's and Ice Cream. Taking place tomorrow (4/16).
Placed flier regarding "Office Hours" at the Information Table located at the Entrance. Community Budget Forum taking place May 21st. In March was the first ever Community Budget Forum for the county.
- f. **City Planning:** Representative not present.
- g. **Civic San Diego:** Representative not present.
- h. **Jacobs Center for Neighborhood Innovation:** Representative not present.

Chollas Valley Community Planning Group



Celebrate • Promote • Foster • Enhance • Create

- i. **San Diego Police Department:** Officer Vicki Coore. Informed the meeting that Officer Akaan Thomas was not present because he has been reassigned to the Gang Intervention and Prevention Unit which is one of his passions. Another Community Relations Officer will also attend with Vicki at our next meeting. That position in process of being filled. Vicki will not be our permanent CRO. Crime stats left on Information Table located at the Entrance. Drug Disposal Event flier left on Information Table located at the Entrance. Resource List Update left on Information Table located at the Entrance. SDPD recruiting fliers left on Information Table located at the Entrance. Officer Vicki encouraged attendees to apply for SDPD.

Questions:

Leslie Dudley stated that there were 2 murders in Lincoln Park, that the rewards for finding a murder suspect should be higher, that there are rapes at trolley stops despite security, and that there are a high rate of assaults in the community. She says that murder rates are still high and not enough attention is paid to it. She says that there are low rates of crime against businesses because "we don't have businesses."

Officer Vicki states that she agrees that the reward for finding a murder suspect should be higher. She also states that the rate for rapes at trolley stops may be high because that is a safe haven where the crime of rape was reported, not necessarily where it happened. Officer Vicki states that often where a rape is reported will go into a report and not where it occurred.

Marry Young states that she recently checked crime stats. Marry states that the highest rates of crime such as assault and more serious crimes are in Pacific Beach and Ocean Beach. Marry says that it is important for the people here to know that overall, we are safe. Marry says that she is not denying that there may be some issues but that any information we put out regarding crime should be correct and verified since that information changes the perception of those coming into the community. Marry also states that when we have 3 communities that have the lowest crime rates in the City, and that should also be mentioned.

Christie Hill: states that Parking Lights are out at FamMart and Rite Aid. Christie says that she spoke with some of the businesses there and that they report that the mall owner refuses to fix the lights.

Demetre Booker states that the property is for sale and that he will make a call to the listing brokers.

7. **Sub-Committee Report:** No Sub-Committee Report.
8. **Action Items:** (Chair asks that board members physical leave the table if they have to abstain on an action item)
- a. T-Mobile Monopalm, Project #492749. Presented by Alexander Lew.

This is fake palm tree. The CUP was granted in 2006. That CUP has expired. Requesting the board's approval for a CUP for the existing facility. There will be a reduction of Antenna's to 6 from 12. The Monopalm is currently 50 Feet tall. Requesting relief from the height requirement of 30 Feet. Not requesting a height increase. Request for a Block wall. Request to plant 3 real palm trees at site. Must have site approved. Proposing additional landscape improvements. 10 to 7



Foot Arms on Antennas. Adding palm fronds and sheets to Monopalm. Provided 3D renderings of improvements. Requesting approval to maintain operations and improvements. Explained that approval for the CUP is required every 10 years. Demetrie Booker asked about tree maintenance plan and the technology in use. **Kwame Oates** asked about tree trimming. Possibly hiring from community. **Leslie Dudley** suggested relocating tower to City property. **Khalada Salaam-Alaji**, inquired about whether T-Mobile provides a benefit to the community.

Motion made by Karina Velazquez to support conditional use permit. Seconded by Booker Sanders. Vote: 9-1-2. Motion Carried. Leslie Dudley against. Shawn Glisson and Sandi Hazlewood abstained.

- b. Harbor View Apartments 440-427 47th Street Rehabilitation Project. Presented by Salsa Potestas and Ronald Reyes.

Salsa Potestas: Levy Holdings then project. Completed Projects last 2 years. Saul Levy owner. Levy Affiliated Holdings Purchases and rehabs properties. Holds a vast amount of properties concentrated in SoCal. 12 years of rehab. Over 500 Units California, Florida, Hawaii, Texas, Louisiana, and Oklahoma.

This will be 60 Units of Affordable Housing. Last rehab for this property was in 2002. Property was built in 1985. Units are 2 bedroom 1 bath, 3 bedroom 2 bath, and 3 bedroom 3 ½ bath.

Provided List of Improvements to include complete kitchen and bath remodels, flooring, landscaping, and exterior improvements.

Sandi Hazlewood: What do you need from us?

Salsa Potestas: Approve project for issuance of bond. Letter of approval from us.

Kwame Oates: Informed Salsa and Ronald that they would have to write the letter which we would then decide whether to approve.

Khalada Salaam-Alaji: Did the housing commission build this property?

Salsa Potestas: No

Salsa Potestas: We are Re-Applying for new bond of 10 Million.

Leslie Dudley: What do you have for the children?

Ronald Reyes: We're planning a computer lab and books.

Kwame Oates: What are the bond repayment terms and are you raising rents?

Salsa Potestas: We are not raising rents. We will keep units affordable for 55 years.

Demetre Booker: This comes out to \$55,000 per unit. We don't have renderings. We don't know the contractor. The goal is not clear. Ownership should have sent a more prepared team. Will there be solar? Are there roof upgrades? States that presentation was very vague.

Salsa Potestas: There will be Kitchen upgrades, plumbing upgrades, balcony

Chollas Valley Community Planning Group



Celebrate • Promote • Foster • Enhance • Create

fixes, new trim, and new dry wrought installed..

Demetre Booker: Do you have Renderings? With 50-60 AMI income level renderings is key.

Christie Hill: Are there improvements to the facade?

Salsa Potestas: Yes, we will add value to outside.

Christie Hill: What will be the impact to the tenants?

Salsa Potestas: There are some vacancies. We will transfer people to vacant units. We will try to work with tenants.

Salsa Potestas: There will be Phases of construction. Day 1 painters. Day 2 another group. Tenents will be relocated to hotels if needed. We have a relocation plan. Be that a hotel or other options.

Christie Hill: Reiterated Demetre's concerns.

Shawn Glisson: Reiterates Demetre's concerns. Stated that the situation is not fair for the presenter.

Marry Young: We have to be able to answer the community when we approve something. Doesn't feel that we have enough information to make that approval now.

Kwame Oates: Is there a timeline for the bond application to not put the presenters in jeopardy of not obtaining the bond.

Salsa Potestas: Unaware of bond application deadline.

Motion made by Booker Sanders to table the motion to give the presenters time to return with more information. Seconded by Khalada Salaam-Alaji. Vote: 10-1-1. Motion Carried. Sandi Hazlewood abstained.

- c. Perimeter Fencing, Project #492367. Presented by Keith Kaneko from a company titled Electric Dog.

Demetre Booker and Sandi Hazlewood abstaining.

We are revisiting this project. This is a follow through variance for a 10 foot electrically charged perimeter fence. Previous visit was premature. All clearances have been received from the city. Keith is here on behalf of United Rentals. First permit issued in 2015. This is for a Security System. City of San Diego revoked previous permit due to inaction. There is an inoperative system installed. There is a major problem with theft in this area. This system works for companies that have to store valuables outside. There is also a monitored alarm system.

This would be an electrified security fence that uses pulse electricity. Keith Kaneko has been shocked many times and assures us that the system is safe. This system is solar and battery powered. 12V battery powered. The system consists of a controller and energizer. The system has about 7000 volts. There is a batter cell unit and a keypad. The system is not attached to the electrical grid.



Celebrate • Promote • Foster • Enhance • Create

Meets California Civil Code 835 standards.

There will be an additional exterior fence 6foot high. There will be multilingual warning signs 3 feet high.

Keith Kaneko states that someone would have to make an intentional effort to come in contact with this system.

Provides illustrations.

Pulse electricity is every 1.3 seconds for 1-4 10 thousandths of a second.

Keith Kaneko provided medical statements from doctors who have stated that level and duration of the shocks are not a concern to human health.

Certified by NRTL

Cert from TUV

Alarm deterrent.

24-hour monitoring

Alarm company. Consumer Affairs

Known switches in case of need for emergency shutoff.

Is not easy to scale.

Shawn Glisson: We don't have to discuss construction. Fence already built.

Keith Kaneko: This business has been hit multiple times.

Marry Young: If there is damage will you have it repaired?

Keith Kaneko: Yes. Leased service contract.

Shawn Glisson: Clarifying Marry Young's question: Will you take care of maintenance outside of fence in order to prevent brush catching fire.

Keith Kaneko: Yes.

Booker Sanders: Very familiar with this property which is located just outside of the Broadway Heights Community.

Marry Young: What about the safety of wildlife and birds?

Keith Kaneko: The system is NOT grounded and therefore is okay for wildlife and birds.

Shawn Glisson: Compared the system to horse fences.

Christie Hill: Are you aware of injuries?

Keith Kaneko: Not aware of any injuries.

Christie Hill: Stated that she will be voting against it because of humanitarian objections.

Leslie Dudley: What about a wrought iron fence instead?

Keith Kaneko: A wrought iron fence is the easiest to get through.

Shawn Glisson: This is for lite industrial. There is no pedestrian traffic. You are looking for trouble if you contact it. Appears to be well protected.

Keith Kaneko: There is a perimeter sensor only along Federal Blvd.

Chollas Valley Community Planning Group



Celebrate • Promote • Foster • Enhance • Create

Motion made by Shawn Glisson to approve the variance. Seconded by Karina Velazquez. Vote: 9-1-2. Motion Carried. Christie Hill against. Demetre Booker and Sandi Hazlewood abstain.

9. Informational Items:

A. Park to Bay Project. Presented by Noura Bishay.

Noura states that she lived through 2 revolutions in her home country of Egypt. There they gathered 22 million signatures to overthrow a regime. Her plan is regarding Chicano Park. The plan is to create link between Balboa Park and the Bay through Chicano Park. It would connect 3 low income communities. It would connect 4 parks. There would be a 25th Avenue and Caesar Chavez corridor. There would be a Park and a bridge over the 94 (MLK) freeway. It revives the Nolan Plan. Provides a place for Art, History, and Culture. Provide places for exercise and recreation. Do you think about what you are breathing? No physical activity. Poor Diet. Tobacco Use. Direct relationship between green injustice and asthma, birth weight, academics, etc. Add tree density along corridor. Presented 3D renderings of proposal. Questions:

Shawn: How far along are you?

Noura Bishay: I only have the drawings and renderings. I ask that you please write your council person.

Christie Hill: Who are you with?

Noura Bishay: Myself

Demetre Booker: Offered to connect Noura Bishay with someone.

Shawn Glisson: Suggested connecting with other groups. Remembers the downtown transition and changes. Says that it seems like a big project, but it's not. Loves the project.

Noura Bishay: Asks again that we email our council person.

10. **Continuing Business:** None.

11. Adjournment

Motion made by Karina Velazquez to adjourn the meeting at 9:07pm. Seconded by Booker Sanders. Vote: 11-0-1. Motion Carried. Sandi Hazlewood abstained.

Recorded By: Kwame Oates, Board Recording Secretary



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

Ownership Disclosure Statement

Approval Type: Check appropriate box for type of approval (s) requested: Neighborhood Use Permit Coastal Development Permit
 Neighborhood Development Permit Site Development Permit Planned Development Permit Conditional Use Permit
 Variance Tentative Map Vesting Tentative Map Map Waiver Land Use Plan Amendment Other Renewal of 297178

Project Title **Project No. For City Use Only**
 824829 / Island View Market - Permit Renewal

Project Address:
 5080 Logan Ave, San Diego, CA 92113

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

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

Additional pages attached Yes No

Name of Individual (type or print):
 Owner Tenant/Lessee Redevelopment Agency
 Street Address: 5080 Logan Ave
 City/State/Zip: San Diego CA 92113
 Phone No: (619) 889-5945 Fax No: (619) 262-8993
 Signature: [Signature] Date:

Name of Individual (type or print):
 Owner Tenant/Lessee Redevelopment Agency
 Street Address:
 City/State/Zip:
 Phone No: Fax No:
 Signature : Date:

Name of Individual (type or print):
 Owner Tenant/Lessee Redevelopment Agency
 Street Address:
 City/State/Zip:
 Phone No: Fax No:
 Signature : Date:

Name of Individual (type or print):
 Owner Tenant/Lessee Redevelopment Agency
 Street Address:
 City/State/Zip:
 Phone No: Fax No:
 Signature : Date:



©2018 Google Maps



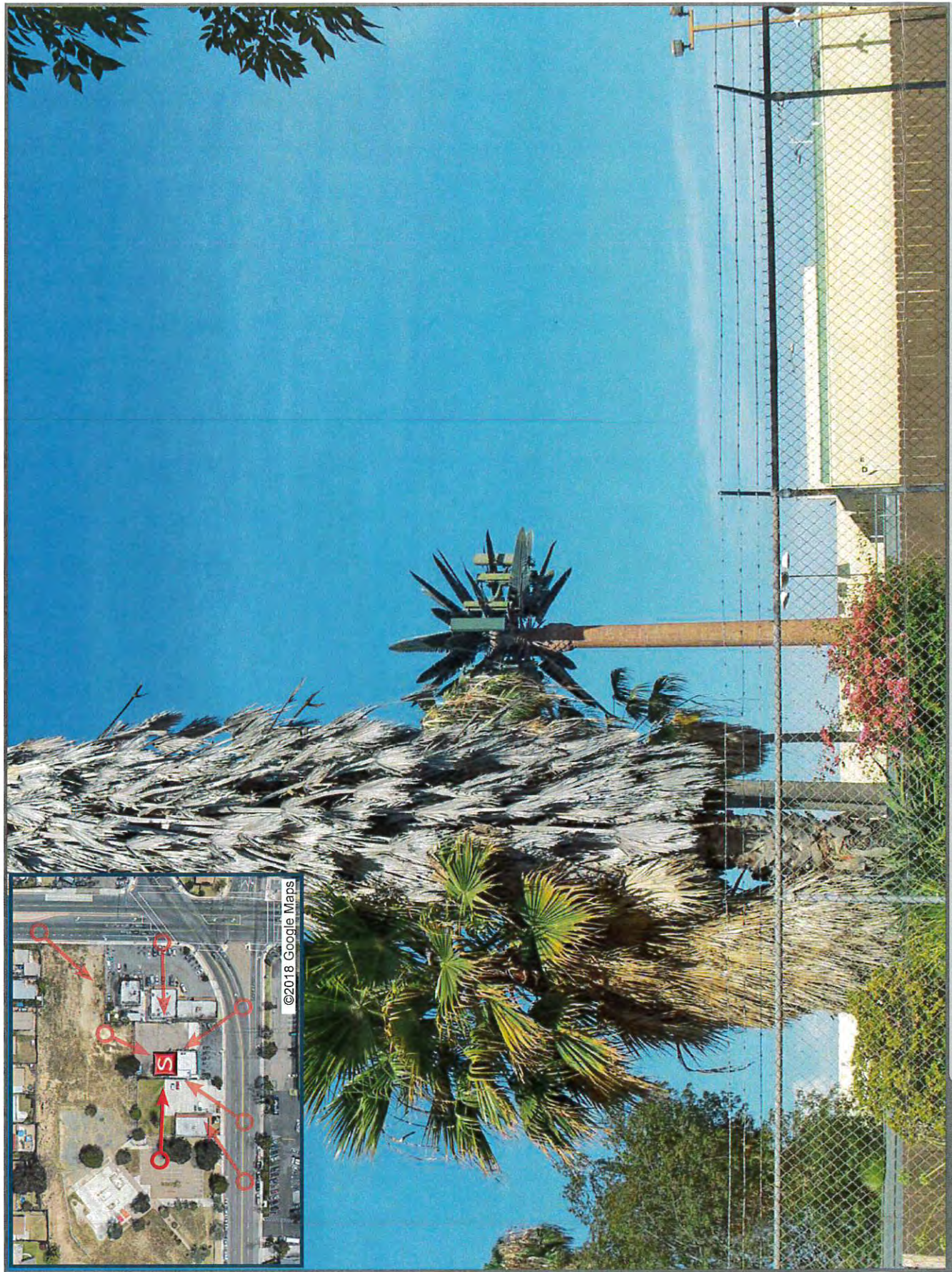
EXISTING



PROPOSED

LOOKING NORTHEAST FROM LOGAN AVENUE

VIEW 2



LOOKING EAST FROM ADJACENT PROPERTY



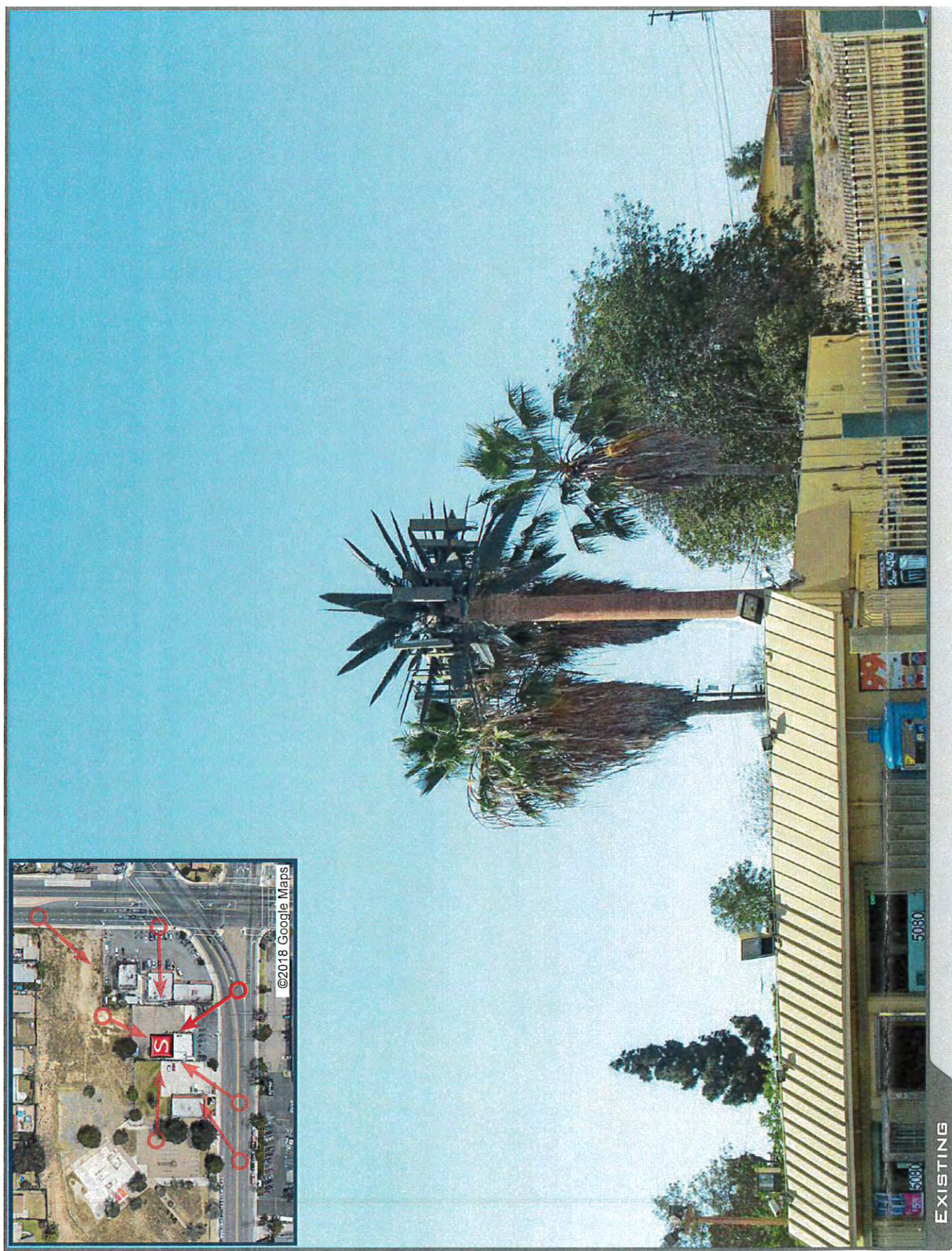
EXISTING



PROPOSED

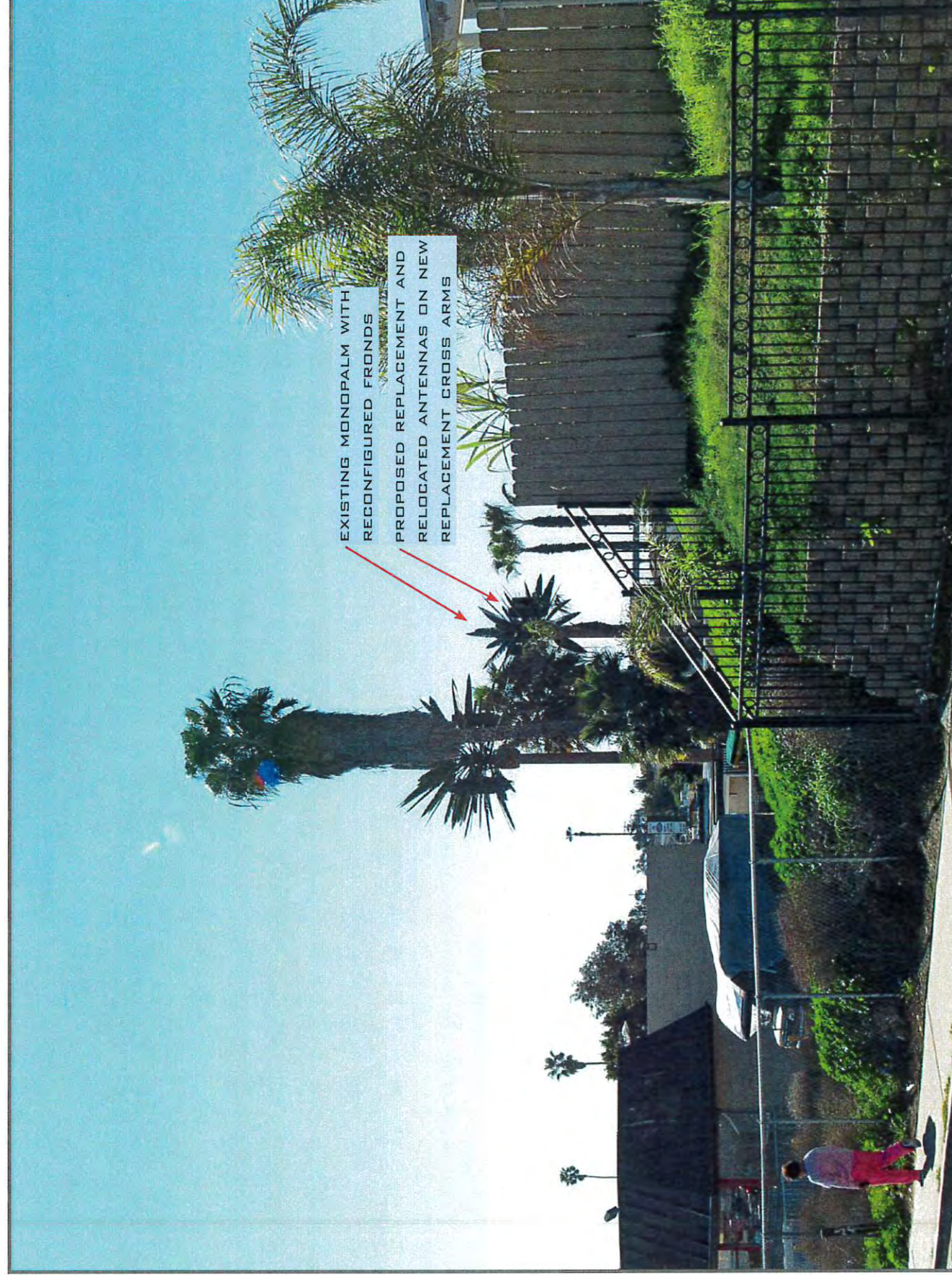
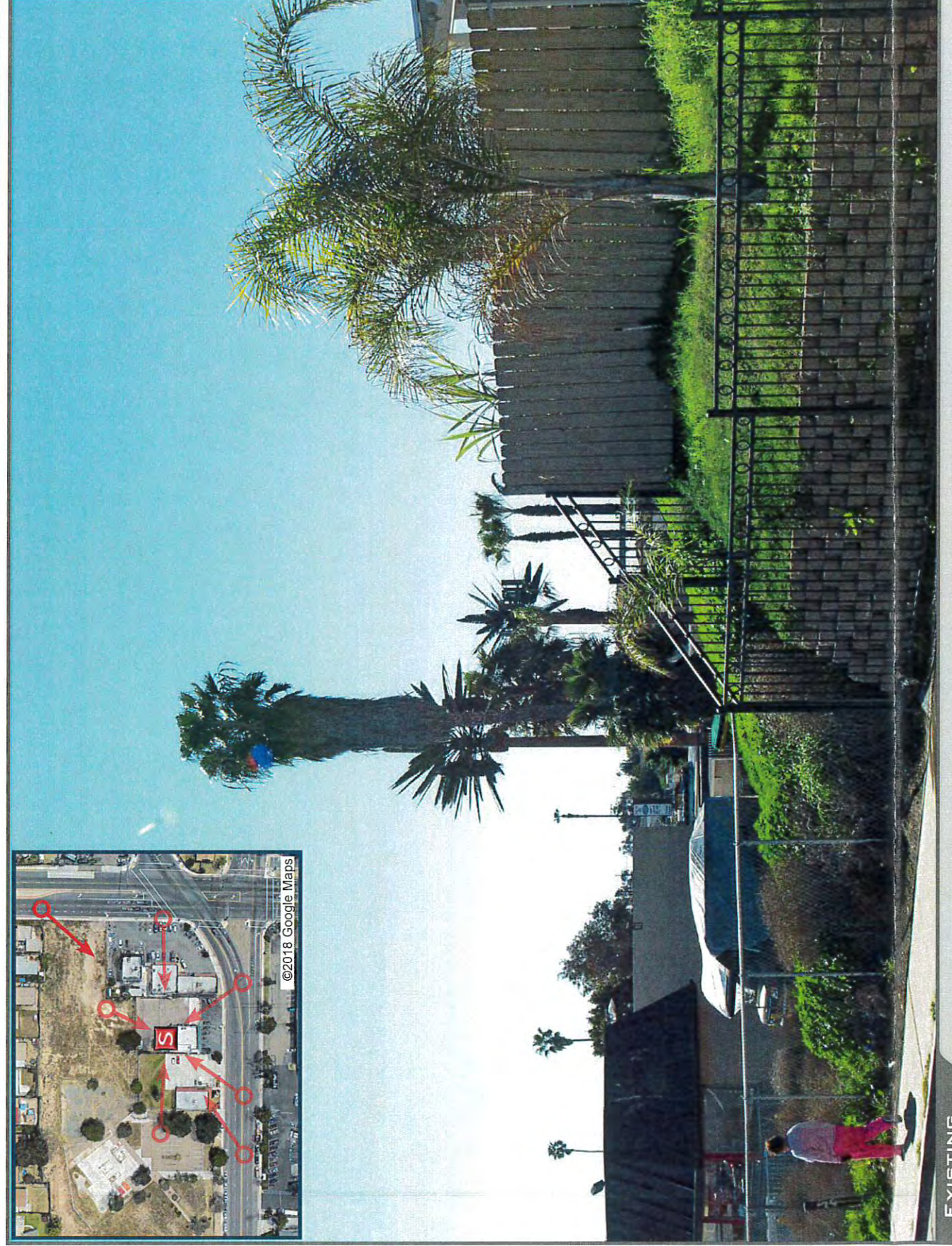
LOOKING SOUTHWEST FROM ADJACENT PROPERTY

VIEW 4

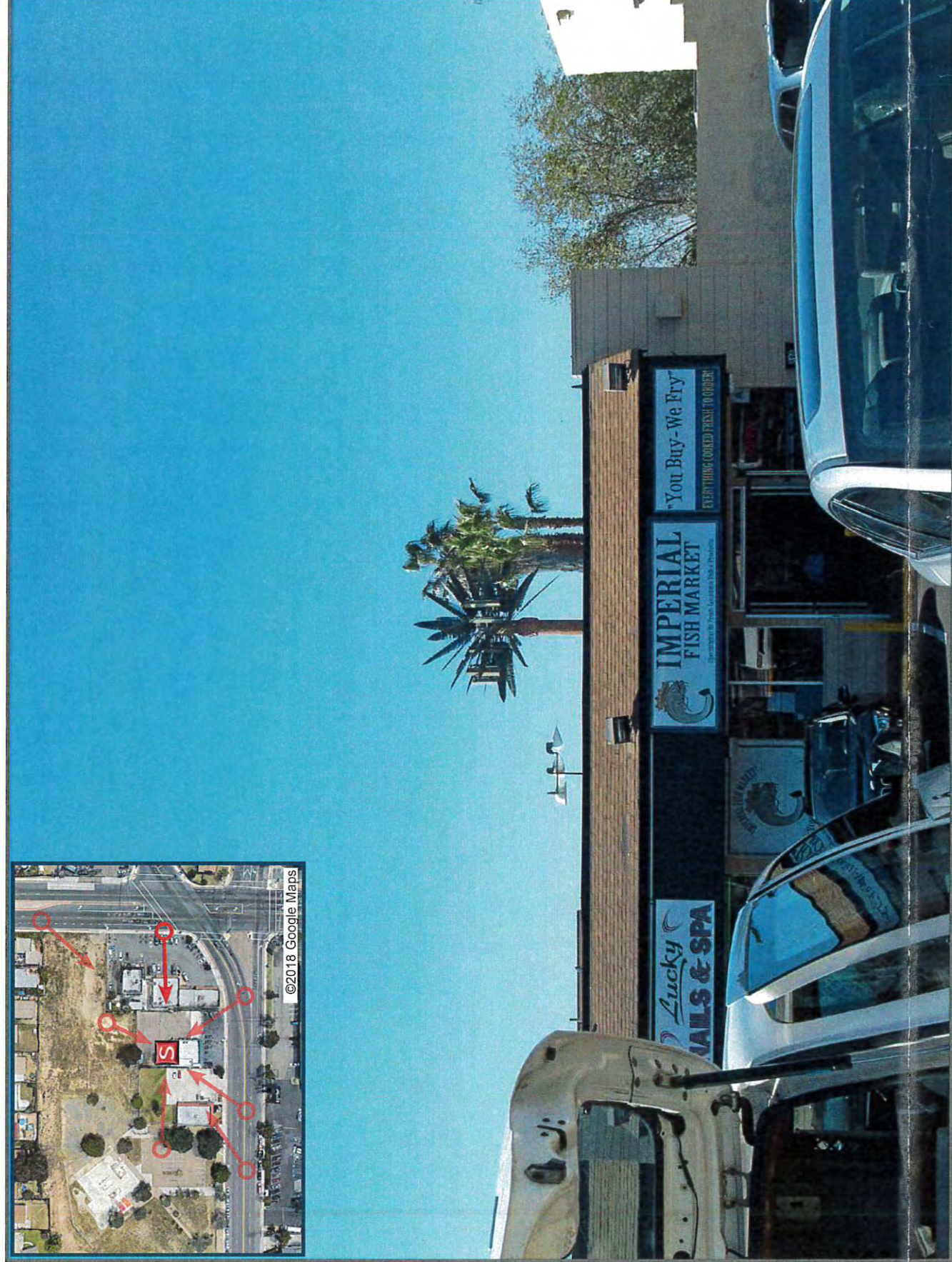




VIEW 6



LOOKING SOUTHWEST FROM EUCLID AVENUE



LOOKING WEST FROM EUCLID AVENUE



SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113

T-Mobile
 12920 SE 38TH ST
 BELLEVUE, WA 98006

CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: **BM**
 CHECKED BY: **MM**

SITE INFORMATION

PROPERTY OWNER: ENAS N. MERAM
 3327 RANCHO SAN DIEGO CIRCLE,
 EL CAJON, CA 92019
 CONTACT: DANNY SALMO
 PH: (619) 815-4151

APPLICANT: T-MOBILE
ADDRESS: 12920 SE 38TH ST
 BELLEVUE, WA 98006

LAT/LONG TYPE: NAD-83
LATITUDE: 32°41'50.0" N
LONGITUDE: 117°05'9.6" W

ZONING JURISDICTION: COUNTY OF SAN DIEGO
ZONING CLASSIFICATION: CT-2
CURRENT USE: UNMANNED TELECOMMUNICATIONS FACILITY
ASSESSOR'S PARCEL NO.: 548-400-34
PROPOSED USE: UNMANNED TELECOMMUNICATIONS FACILITY
TYPE OF CONSTRUCTION: V-B
OCCUPANCY GROUP: U-2

VICINITY MAP



PROJECT DESCRIPTION

T-MOBILE PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE (3) EXISTING T-MOBILE 4'-8" PANEL ANTENNAS
- REMOVE (3) EXISTING T-MOBILE CROSSOVER ARM
- INSTALL (3) NEW T-MOBILE 4'-8" AIR 32 PANEL ANTENNAS
- INSTALL (3) NEW T-MOBILE 3.5'x0 STD CROSSOVER ARM
- INSTALL (3) NEW T-MOBILE RRUS-32 @ ANTENNA LEVEL
- INSTALL (1) NEW T-MOBILE 6X12 HYBRID CABLE SYSTEM (HCS)

* NO NEW ELECTRICAL WORK OR BATTERIES ARE TO BE INSTALLED ON THIS PROJECT.
 * UPGRADE POWER CABINET (PSU) ACCORDINGLY
 * UNUSED PIPE MOUNTS TO BE REMOVED.
 * ANTENNAS ARE TO BE COVERED WITH "SOCKS".

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE. 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, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

ENGINEERING

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- 2016 BUILDING CODE
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2016 MECHANICAL CODE
- 2016 FIRE CODE
- 2016 PLUMBING CODE
- 2016 ELECTRICAL CODE
- LOCAL BUILDING CODE

DO NOT SCALE DRAWINGS

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



CONSTRUCTION DRAWING

IF USING 11"x17" PLOT, DRAWINGS WILL BE HALF SCALE

DRAWING INDEX

SHEET NO:	SHEET TITLE	SHEET NO:	SHEET TITLE
T-1	TITLE SHEET	G-1	GROUNDING DETAILS
T-2	LL LOA	RF-1	CABLE LINE DIAGRAM
T-3	EXHIBIT A AS-BUILTS & BRANCH MAPPING PLAN		
T-4	EXHIBIT A AS-BUILTS & PRIOR APPROVAL LETTER		
T-5	BRANCH MAPPING PLAN		
T-6	BRANCH MAPPING PLAN		
T-7	BRANCH MAPPING PLAN		
T-8	BRANCH MAPPING PLAN		
T-9	BRANCH MAPPING PLAN		
T-10	BRANCH MAPPING PLAN		
T-11	BRANCH MAPPING PLAN		
GN-1	GENERAL NOTES		
A-1	SITE PLAN & ENLARGED SITE PLAN		
A-2	EQUIPMENT LAYOUT		
A-3	ANTENNA LAYOUT		
A-4	ELEVATIONS		
A-5	ELEVATIONS		
D-1	DETAILS		
D-2	DETAILS		

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

PROJECT TEAM

CLIENT REPRESENTATIVE: CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

ENGINEER: M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE, CA 92673
 CONTACT: MICHAEL MONTELLLO
 PHONE: (619) 997-4012

PROJECT MANAGER: CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618
 CONTACT: MORDECAI FAYAS
 PH: (949) 885-8852

CONSTRUCTION MANAGER: CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618
 CONTACT: KEVIN HALE
 PH: (310) 227-6351

A & E SPECIALIST: CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618
 CONTACT: ROMY ABLAO
 PH: (949) 936-0084

REAL ESTATE SPECIALIST: CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

DRIVING DIRECTIONS

- DIRECTIONS FROM SAN DIEGO INTERNATIONAL AIRPORT:**
- HEAD NORTHWEST ON AIRPORT TERMINAL RD
 - USE RIGHT LANES TO TAKE THE RAMP ONTO I-5/DOWNTOWN
 - MERGE ONTO N HARBOR DR
 - TURN LEFT ONTO W GRAPE ST
 - USE RIGHT LANES TO TAKE INTERSTATE 5 S RAMP
 - TAKE EXIT 15B FOR CA-94 E
 - MERGE ONTO I-805 S
 - TAKE EXIT 11 FOR PALM AVE
 - TURN LEFT ONTO S 47TH ST
 - TURN RIGHT ONTO LOGAN AVE
 - DESTINATION WILL BE ON THE LEFT

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1



Crown Castle
38 Technology Drive, Suite 250
Irvine, CA 92618

Property Owner Letter of Authorization

City of San Diego
1222 First Avenue, MS 301
San Diego, CA 92101

Re: **Application for Zoning/Building Permit**
Telecommunications Site at: 5080 Logan Ave, San Diego, CA 92113

I hereby represent that I am the legal owner of the property referenced below, and I hereby give my authorization to CCTMO LLC, and/or its Agent(s), to act as our Agent(s) in the processing and obtaining approval for Building and/or Zoning permits through the City of San Diego for the modification of the facility that would be located at the existing wireless communications site described as:

Crown Site ID: 824829 - Island View Market
Site ID: SD06808A
Site Address: 5080 Logan Ave, San Diego, CA 92113
APN: 548-400-34-00

Property Owner:
ENAS MERAM

By: *[Signature]*

Date: 2-18-16

The Foundation for a Wireless World.
CrownCastle.com

ACKNOWLEDGMENT

State of California
County of Orange

On February 18, 2016 before me, Alida Fay S. Montiel, a Notary Public
(insert name and title of the officer)

personally appeared Enas Meram
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *[Signature]* (Seal)



12920 SE 38TH ST
BELLEVUE, WA 98006



200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
LL LOA

SHEET NUMBER
T-2

T-Mobile
 ISLAND VIEW MARKET
 5080 LOGAN AVENUE
 SAN DIEGO, CA 92113
 9200808A

PROJECT SUMMARY

PROJECT NAME	ISLAND VIEW MARKET
PROJECT NUMBER	9200808A
PROJECT LOCATION	5080 LOGAN AVENUE, SAN DIEGO, CA 92113
PROJECT OWNER	CROWN CASTLE
PROJECT ARCHITECT	ROYAL A. WHARTON ENGINEERS
PROJECT ENGINEER	ROYAL A. WHARTON ENGINEERS
PROJECT DATE	08/29/2018
PROJECT STATUS	100% CD'S FOR SUBMITTAL

REVISIONS

NO.	DATE	DESCRIPTION	
4	08/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JK COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

SITE PLAN

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF SAN DIEGO ORDINANCES AND THE CALIFORNIA BUILDING CODE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF SAN DIEGO.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF SAN DIEGO.

STRUCTURAL CONCRETE SPECIFICATIONS

GENERAL NOTES

1. ALL CONCRETE SHALL BE CAST AND CURED IN ACCORDANCE WITH THE ACI 308.1R-11 PRACTICE FOR CONCRETE CURING.
2. ALL CONCRETE SHALL BE TESTED AND REPORTED TO THE CITY OF SAN DIEGO.
3. ALL REINFORCEMENT SHALL BE INSTALLED AND TIED IN ACCORDANCE WITH THE ACI 318M-11.
4. ALL FORMWORK SHALL BE DESIGNED TO SUPPORT THE FULL WEIGHT OF THE CONCRETE AND ADJACENT LOADS.

MECHANICAL, ELECTRICAL & PLUMBING (MEP) SPECIFICATIONS

GENERAL NOTES

1. ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2013 CALIFORNIA MECHANICAL, ELECTRICAL, AND PLUMBING CODES.
2. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED LISTING AGENCY.
3. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC).
4. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (IPC).

ANTENNA PLAN

GENERAL NOTES

1. ALL ANTENNAS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF SAN DIEGO ORDINANCES.
2. ALL ANTENNAS SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
3. ALL ANTENNAS SHALL BE REMOVED AND RESTORED TO ORIGINAL CONDITION UPON PROJECT COMPLETION.

FOUNDATION PLAN

SECTION A

SECTION B

EAST ELEVATION

NORTH ELEVATION

WEST ELEVATION

SOUTH ELEVATION

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

UTILITY SERVICE PLAN DETAIL

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

LANDSCAPE PLAN

PLANTING NOTES

1. ALL PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF SAN DIEGO ORDINANCES.
2. ALL PLANTINGS SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
3. ALL PLANTINGS SHALL BE REMOVED AND RESTORED TO ORIGINAL CONDITION UPON PROJECT COMPLETION.

LANDSCAPE PLAN

WATER CONSERVATION NOTES

1. ALL WATER CONSERVATION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF SAN DIEGO ORDINANCES.
2. ALL WATER CONSERVATION MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
3. ALL WATER CONSERVATION MEASURES SHALL BE REMOVED AND RESTORED TO ORIGINAL CONDITION UPON PROJECT COMPLETION.

MECHANICAL, ELECTRICAL & PLUMBING (MEP) DETAILS

T-Mobile
 12920 SE 38TH ST
 BELLEVUE, WA 98006

CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: BM
 CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	08/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JK COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE
EXHIBIT A AS-BUILTS

SHEET NUMBER
T-3

APPLICANT/LESSEE:

NAME: CROWN CASTLE
 ADDRESS: 2055 S. STEARMAN DRIVE
 CITY, STATE, ZIP: CHANDLER, AZ 85286
 CONTACT: TOM DUFFEK
 PHONE: (480) 735-6933

ACCESS:

MAN-LIFT REQUIRED.
 COMBO TO COMPOUND: LL HAS KEY.
 FCC#: NOT REQUIRED.

SITE NAME:
ISLAND VIEW MARKET

BU NUMBER:
824829

SITE ADDRESS:
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 (SAN DIEGO COUNTY)



TOWER PHOTO

FLAT #1 IS THE MOST NORTHERN FLAT OF ALL 18 FLATS.
 LATITUDE N 32° 41' 50.00"
 LONGITUDE W 117° 5' 9.6"
 GROUND ELEVATION = 125'±
 (PER GOOGLE EARTH)

* INFORMATION PROVIDED BY CROWN CASTLE

SITE LOCATION

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	0
C-1	SITE PLAN	0
C-2	TOWER ELEVATION	0
C-3	TRANSMISSION CABLES, ANTENNA AND MOUNT SKETCH	0
C-4	BRANCH LAYOUT	0
C-5	BRANCH DETAILS	0
C-6	PHOTOS	0

INDEX OF SHEETS

PLANS PREPARED FOR:



2055 S. STEARMAN DRIVE,
 CHANDLER, AZ 85286
 PHONE: (602) 845-1779

PROJECT INFORMATION:

BU#: 824829
ISLAND VIEW MARKET

5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 (SAN DIEGO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
 2429 W. 12TH ST., SUITE 3
 TEMPE, AZ 85281
 OFFICE: (480) 285-0035
 www.tepgroup.net

REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

DRAWN BY: JH CHECKED BY: RMW

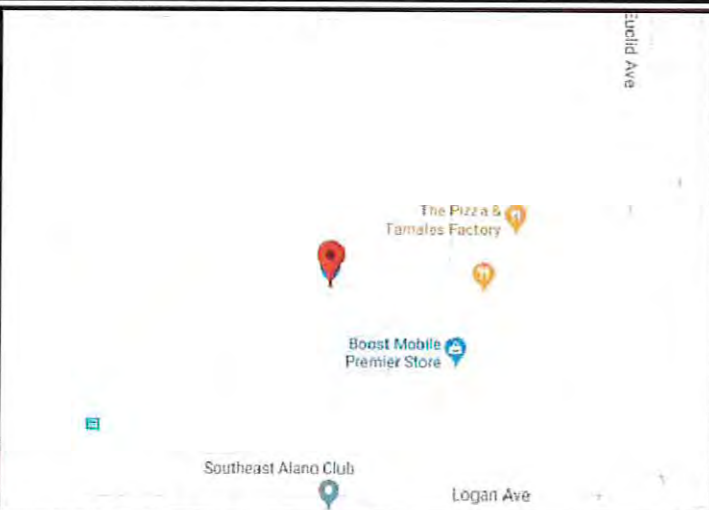
SHEET TITLE:

TITLE SHEET

SHEET NUMBER: T-1 REVISION: 0

TEP#: 23968-91046

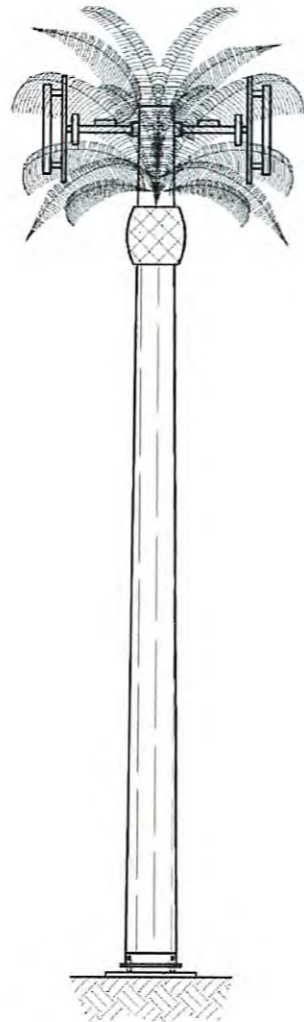
PROJECT SUMMARY



LOCATION MAP

TAKE 805 SOUTH AND EXIT IMPERIAL AVE AND GO LEFT/EAST THEN GO RIGHT ON EUCLID AVE THEN GO RIGHT ON LOGAN AVE, SITE WILL BE ON THE RIGHT HAND SIDE BEHIND THE CLOSED GATE OF THE ISLAND VIEW MARKET, COMBO LOCK BOX IS ON THE SQUARE FENCE POST ON THE EAST SIDE OF THE PARKING LOT. LL HAS KEY TO OPEN GATE.

DRIVING DIRECTIONS



12920 SE 38TH ST
 BELLEVUE, WA 98006



200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618



1387 CALLE AVANZADO
 SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

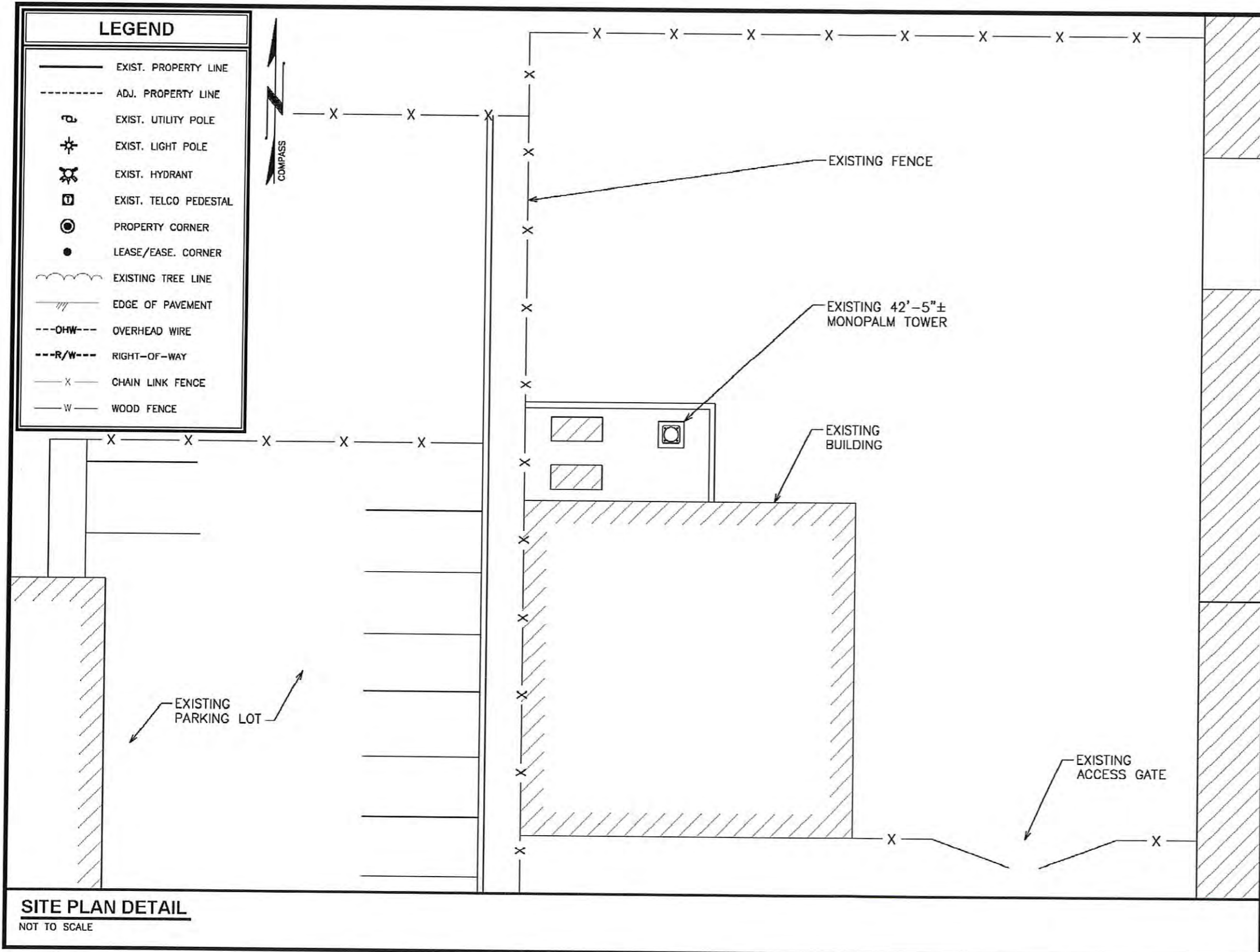
SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE

BRANCH MAPPING PLAN

SHEET NUMBER

T-5



PLANS PREPARED FOR:

CROWN CASTLE

2055 S. STEARMAN DRIVE,
CHANDLER, AZ 85286
PHONE: (602) 845-1779

PROJECT INFORMATION:

BU#: 824829
ISLAND VIEW MARKET

5080 LOGAN AVE.
SAN DIEGO, CA 92113
(SAN DIEGO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
2429 W. 12TH ST., SUITE 3
TEMPE, AZ 85281
OFFICE: (480) 285-0035
www.tepgroup.net

REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

DRAWN BY: JH CHECKED BY: RMW

SHEET TITLE:

SITE PLAN

SHEET NUMBER: **C-1**

REVISION: **0**

TEP#: 23988-91046

T-Mobile

12920 SE 38TH ST
BELLEVUE, WA 98005

CROWN CASTLE

200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

M SQUARE WIRELESS

1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

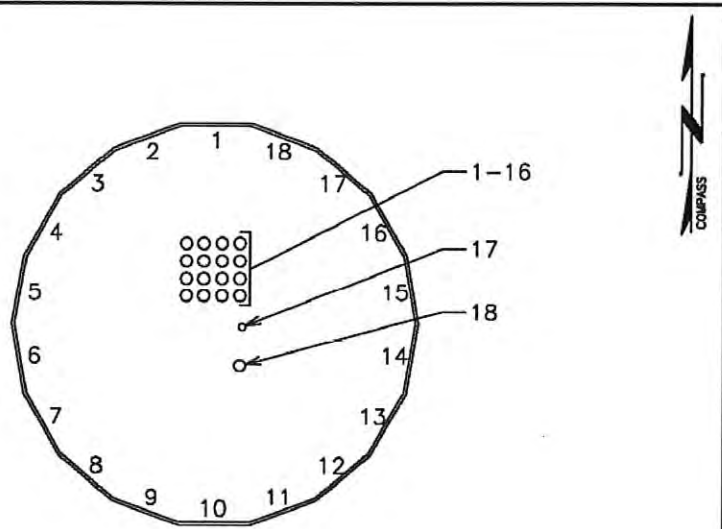
SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
BRANCH MAPPING PLAN

SHEET NUMBER
T-6

SITE PLAN DETAIL
NOT TO SCALE

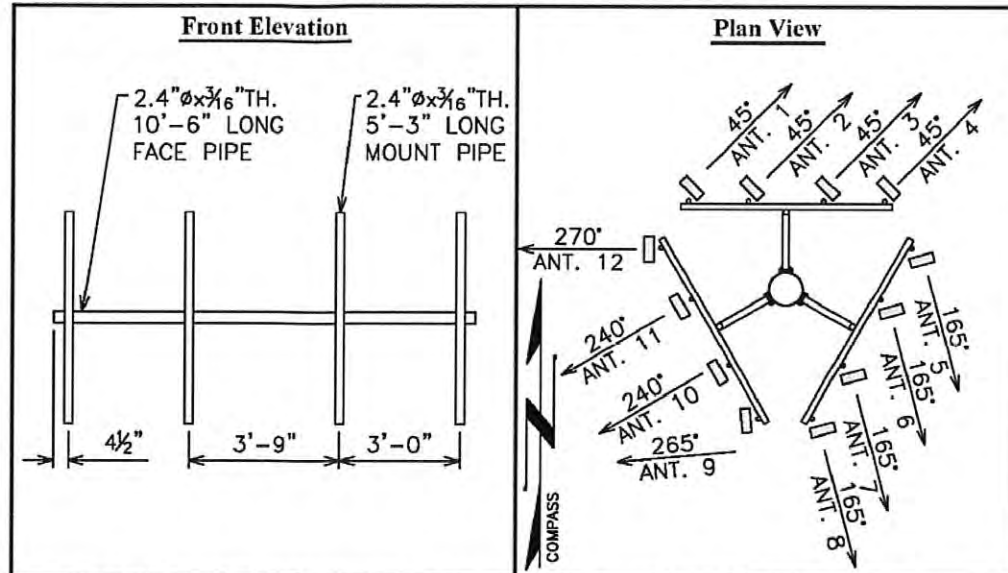
TRANSMISSION CABLES



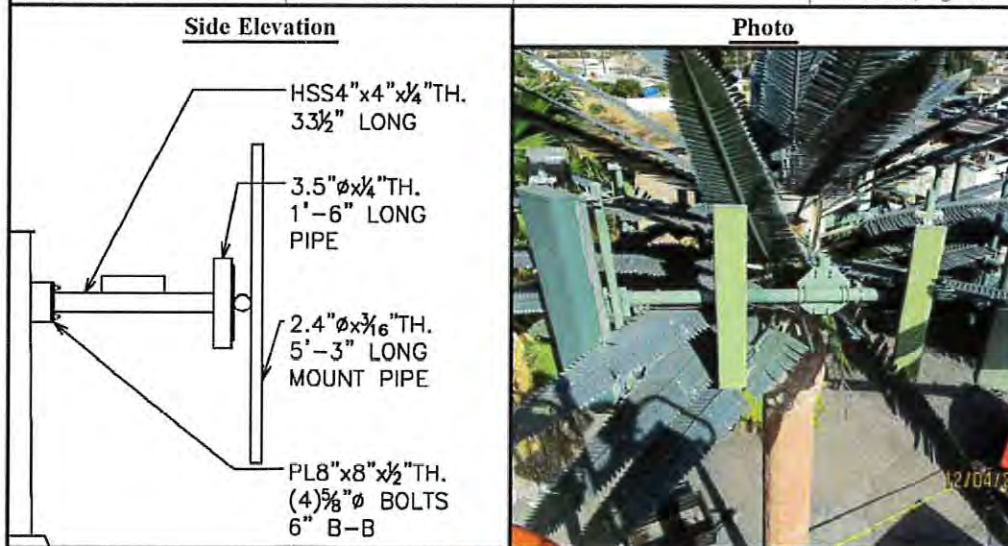
Coax #	Size/Type	Start Height	End Height	Antenna	Carrier	Notes
1	7/8 FH	1'-1 1/2"	41'-3"	1	T-MOBILE	THROUGH PH 4
2	7/8 FH	1'-1 1/2"	41'-3"	1	T-MOBILE	THROUGH PH 4
3	7/8 FH	1'-1 1/2"	41'-3"	4	T-MOBILE	THROUGH PH 4
4	7/8 FH	1'-1 1/2"	41'-3"	4	T-MOBILE	THROUGH PH 4
5	7/8 FH	1'-1 1/2"	41'-3"	5	T-MOBILE	THROUGH PH 5
6	7/8 FH	1'-1 1/2"	41'-3"	5	T-MOBILE	THROUGH PH 5
7	7/8 FH	1'-1 1/2"	41'-3"	8	T-MOBILE	THROUGH PH 5
8	7/8 FH	1'-1 1/2"	41'-3"	8	T-MOBILE	THROUGH PH 5
9	7/8 FH	1'-1 1/2"	41'-3"	9	T-MOBILE	THROUGH PH 6
10	7/8 FH	1'-1 1/2"	41'-3"	9	T-MOBILE	THROUGH PH 6
11	7/8 FH	1'-1 1/2"	41'-3"	12	T-MOBILE	THROUGH PH 6
12	7/8 FH	1'-1 1/2"	41'-3"	12	T-MOBILE	THROUGH PH 6
13	7/8 FH	1'-1 1/2"	41'-3"	--	T-MOBILE	DISCONNECTED COAX
14	7/8 FH	1'-1 1/2"	41'-3"	--	T-MOBILE	DISCONNECTED COAX
15	7/8 FH	1'-1 1/2"	41'-3"	--	T-MOBILE	DISCONNECTED COAX
16	7/8 FH	1'-1 1/2"	41'-3"	--	T-MOBILE	DISCONNECTED COAX
17	1/2 FH	1'-1 1/2"	41'-3"	1-12	T-MOBILE	THROUGH PH 4
18	7/8 Ø SM	1'-1 1/2"	41'-3"	1-12	T-MOBILE	THROUGH PH 4

ANTENNA AND MOUNT SKETCH

Carrier T-MOBILE



Antenna #	Mount Elevation	Antenna Elevation	Mount Type	Flat #	Azimuth
1-12	41'-3"	ANT. 1,5,9:41'-0 1/2", REST:41'-3"	SECTOR	--	SEE ABOVE
Antenna Manufacturer	Antenna Model #	Equipment (#) / Model #	Coax # / Size		
(1,5,9) KATHREIN	AIR 21 B2A B4P	(3) ERICSSON / KRY 112 144-1	#1-12 / 7/8 FH		
(2,3,6-7,10-11) UNKNOWN	52 1/2"x8"x1 1/2" PANEL	--	NO COAX		
(4,8,12) ERICSSON	AIR 32	--	#1-12 / 7/8 FH		



PLANS PREPARED FOR:

2055 S. STEARMAN DRIVE,
CHANDLER, AZ 85286
PHONE: (602) 845-1779

PROJECT INFORMATION:

BU#: 824829
ISLAND VIEW MARKET

5080 LOGAN AVE.
SAN DIEGO, CA 92113
(SAN DIEGO COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
2429 W. 12TH ST., SUITE 3
TEMPE, AZ 85281
OFFICE: (480) 285-0035
www.tepgroup.net

REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

DRAWN BY: JH CHECKED BY: RMW

SHEET TITLE:
TRANSMISSION CABLES & ANTENNA AND MOUNT SKETCH

SHEET NUMBER: **C-3** REVISION: **0**
TEP#: 23988-91046

12920 SE 38TH ST
BELLEVUE, WA 98006

200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
BRANCH MAPPING PLAN

SHEET NUMBER
T-8



12920 SE 38TH ST
BELLEVUE, WA 98006



200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
BRANCH MAPPING PLAN

SHEET NUMBER
T-9

PLANS PREPARED FOR:
CROWN CASTLE
2055 S. STEARMAN DRIVE,
CHANDLER, AZ 85286
PHONE: (602) 845-1779

PROJECT INFORMATION:
BU#: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
(SAN DIEGO COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
2429 W. 12TH ST., SUITE 3
TEMPE, AZ 85281
OFFICE: (480) 285-0035
www.tepgroup.net

REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

DRAWN BY: JH CHECKED BY: RMW

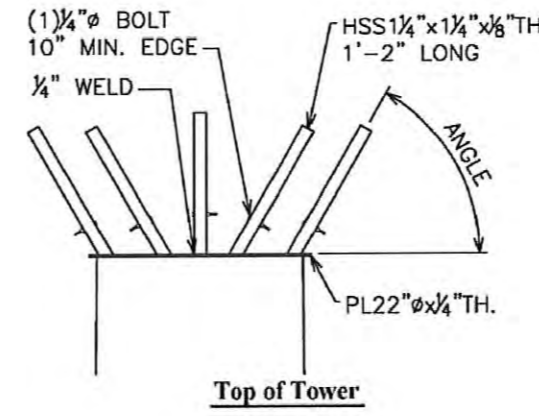
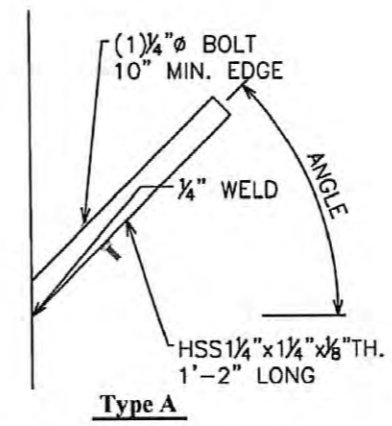
SHEET TITLE:
BRANCH LAYOUT

SHEET NUMBER: **C-4** REVISION: **0**
TEP#: 23955-91046

ELEV.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	TOT
38'-2"	-	-	-	1	-	-	2	-	-	-	3	-	-	-	4	-	-	5	-
38'-7"	-	6	-	-	-	7	-	-	8	-	-	9	-	-	10	-	-	-	-
38'-10"	11	-	-	-	-	-	12	-	-	-	13	-	-	-	-	-	-	14	-
39'-1"	15	-	-	-	-	-	16	-	-	-	17	-	-	-	-	-	-	18	-
39'-4"	-	-	19	-	-	20	-	-	21	-	22	-	-	-	-	-	-	-	23
40'-1"	24	-	-	25	-	-	-	-	-	-	26	-	27	-	-	-	-	28	-
40'-8"	-	-	29	-	-	30	-	31	-	-	32	-	-	33	-	-	-	34	-
41'-2"	-	-	-	-	35	-	-	-	-	-	36	-	-	-	-	-	-	37	-
41'-9"	-	-	-	-	-	-	-	38	-	-	39	-	-	-	-	-	-	40	-
42'-5"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41-47

BRANCH SIZE	7'-0"
QUANTITY	39

*BRANCH COUNT DOES NOT INCLUDE BROKEN AND EMPTY BRANCHES.





12920 SE 38TH ST
BELLEVUE, WA 98006



200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618



1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: _____ BM

CHECKED BY: _____ MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
**BRANCH
MAPPING PLAN**

SHEET NUMBER
T-10

EXISTING BRANCH LOADING

#	ELEVATION	FLAT	TYPE	BRANCH LENGTH	ANGLE
1 ₁	38'-2"	4	A	N/A	-45°
2 ₁	38'-2"	7	A	N/A	-45°
3 ₁	38'-2"	11	A	N/A	-45°
4 ₁	38'-2"	15	A	N/A	-45°
5	38'-2"	18	A	7'-0"	-45°
6	38'-7"	2	A	7'-0"	-15°
7 ₁	38'-7"	8	A	N/A	-15°
8 ₁	38'-7"	14	A	N/A	-15°
9	38'-7"	16	A	7'-0"	-15°
10	38'-10"	3	A	7'-0"	-15°
11	38'-10"	6	A	N/A	-15°
12	38'-10"	9	A	N/A	-15°
13	38'-10"	12	A	7'-0"	-15°
14	38'-10"	15	A	7'-0"	-15°
15	39'-1"	1	A	7'-0"	0°
16	39'-1"	7	A	7'-0"	0°
17	39'-1"	11	A	7'-0"	0°
18	39'-1"	17	A	7'-0"	0°
19	39'-4"	3	A	7'-0"	15°
20	39'-4"	6	A	7'-0"	15°
21	39'-4"	9	A	7'-0"	15°
22	39'-4"	12	A	7'-0"	15°
23	39'-4"	18	A	7'-0"	15°
24	40'-1"	1	A	7'-0"	30°
25	40'-1"	4	A	7'-0"	30°
26	40'-1"	11	A	7'-0"	30°
27	40'-1"	13	A	7'-0"	30°
28	40'-1"	17	A	7'-0"	30°
29	40'-8"	3	A	7'-0"	30°
30	40'-8"	7	A	7'-0"	30°
31	40'-8"	9	A	7'-0"	30°
32	40'-8"	12	A	7'-0"	30°
33	40'-8"	15	A	7'-0"	30°
34	40'-8"	18	A	7'-0"	30°
35	41'-2"	5	A	7'-0"	45°
36	41'-2"	11	A	7'-0"	45°

#	ELEVATION	FLAT	TYPE	BRANCH LENGTH	ANGLE
37	41'-2"	17	A	7'-0"	45°
38	41'-9"	8	A	7'-0"	45°
39	41'-9"	12	A	7'-0"	45°
40	41'-9"	18	A	7'-0"	45°
41 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
42 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
43 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
44 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
45 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
46 ₃	42'-5"	TOP OF TOWER	A	7'-0"	60°
47 ₃	42'-5"	TOP OF TOWER	A	7'-0"	90°

NOTES

- EMPTY MOUNT
- BRANCH BROKEN
- MOUNT WELDED TO PLATE AT TOP OF TOWER
- MOUNT BOLTED TO PLATE AT TOP OF TOWER

PLANS PREPARED FOR:



2055 S. STEARMAN DRIVE,
CHANDLER, AZ 85286
PHONE: (602) 845-1779

PROJECT INFORMATION:

**BU#: 824829
ISLAND VIEW MARKET**

5080 LOGAN AVE.
SAN DIEGO, CA 92113
(SAN DIEGO COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
2429 W. 12TH ST., SUITE 3
TEMPE, AZ 85281
OFFICE: (480) 285-0035
www.tepgroup.net

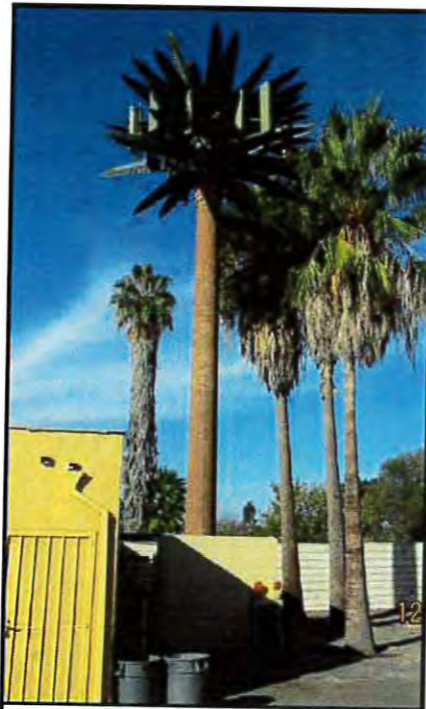
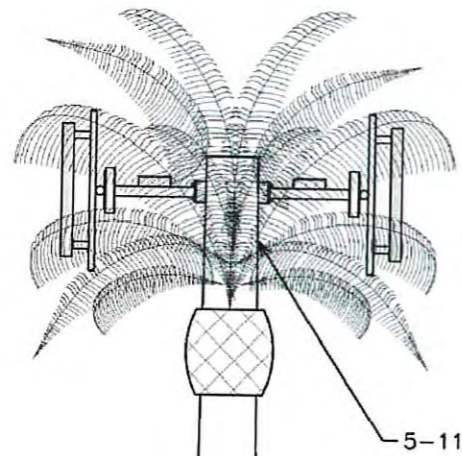
REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

DRAWN BY: JH1 CHECKED BY: RMW

SHEET TITLE:

BRANCH DETAILS

SHEET NUMBER: **C-5** REVISION: **0**
TEP#: 22988-91 04G



#1 Tower Elevation



#2 Crown Castle Sign



#3 Base of Tower



#4 Coax



#5 Connections



#6 Port Hole



#7 Antenna Mount Connection



#8 Antenna Tag




#9 TMA Tag



#10 Top of Tower Plate



#11 Cut Coax

PLANS PREPARED FOR:

 2055 S. STEARMAN DRIVE,
 CHANDLER, AZ 85286
 PHONE: (602) 845-1779

PROJECT INFORMATION:
BU#: 824829
ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 (SAN DIEGO COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
 2429 W. 12TH ST., SUITE 3
 TEMPE, AZ 85281
 OFFICE: (480) 285-0035
 www.tepgroup.net

REV	DATE	ISSUED FOR:
0	12-4-17	MAPPING
0	12-11-17	FINAL

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EGZ
2	05/18/2018	100% CD'S JX COMMENTS	TL
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

DRAWN BY: JH1 CHECKED BY: RMW

SHEET TITLE:
PHOTOS

SHEET NUMBER: **C-6** REVISION: **0**
 TEP#: 23068-01046



DRAWN BY: BM
 CHECKED BY: MM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE
BRANCH MAPPING PLAN

SHEET NUMBER
T-11

GENERAL CONSTRUCTION NOTES:

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR - GENERAL CONTRACTOR
SUBCONTRACTOR - CONTRACTOR (CONSTRUCTION)
OWNER - T-MOBILE
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND T-MOBILE PROJECT SPECIFICATIONS.
- GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LT-MOBILE, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE SPACE FOR APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF 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 AND THE LOCAL JURISDICTION.
- GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAID PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
- WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY (E) CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO THE BEGINNING CONSTRUCTION.
- SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE SUBCONTRACTOR SHALL PROTECT (E) IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
- THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A OR 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
- ALL (E) ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT/ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, D) TRENCHING & EXCAVATION.
- ALL (E) INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ARCHITECT/ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND LOCAL UTILITIES.
- THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
- SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE (E) SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 90 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
- SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
- OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY T-MOBILE TECHNICIANS.
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION T-MOBILE GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
- SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND REQUIREMENTS.
- ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
- NO NOISE, SMOKE, DUST, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR)
- NO ADDITIONAL PARKING TO BE PROPOSED. (E) ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
- NO LANDSCAPING IS PROPOSED AT THIS SITE, UNLESS NOTED OTHERWISE.

ELECTRICAL NOTES:

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

GROUNDING NOTES:

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

SITE WORK & DRAINAGE

PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1.1 REFERENCES:

- DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
- ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
- OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

1.2 INSPECTION AND TESTING:

- FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.
- ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

1.3 SITE MAINTENANCE AND PROTECTION:

- PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE SUBCONTRACT.
 - AVOID DAMAGE TO THE SITE AND TO (E) FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT (E) FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
 - KEEP SITE FREE OF ALL PONDING WATER.
 - PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS.
 - PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
 - (E) UTILITIES: DO NOT INTERRUPT (E) UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
- PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

ENVIRONMENTAL NOTES

- ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
- CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.
- CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
- NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL, FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
- CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
- CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
- RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRAGILE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES



12920 SE 38TH ST
BELLEVUE, WA 98006



200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

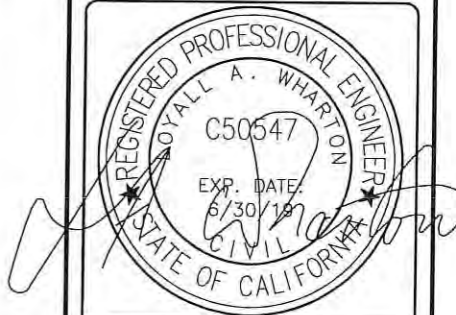


1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 381-8824

DRAWN BY: BM

CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/19/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

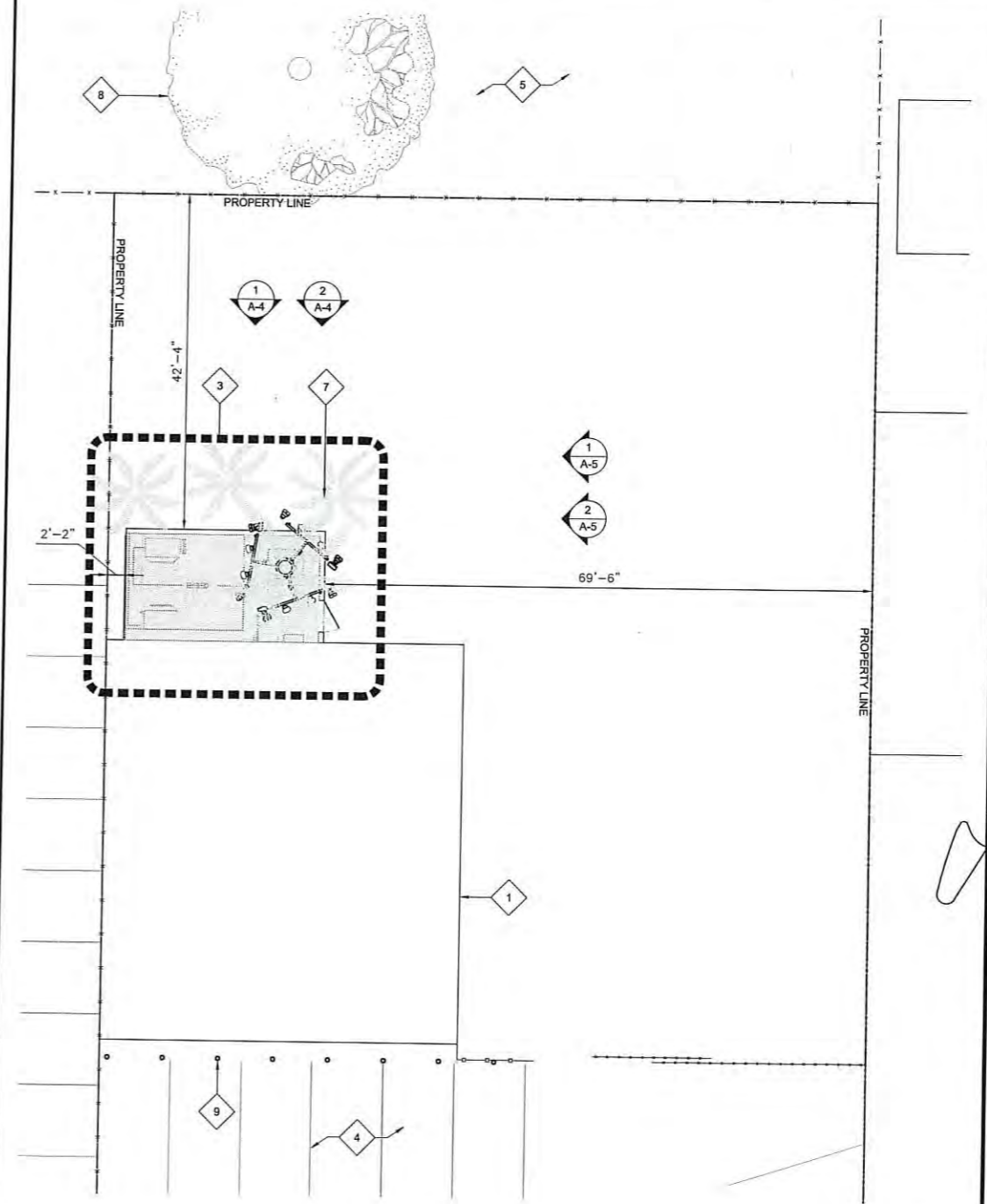
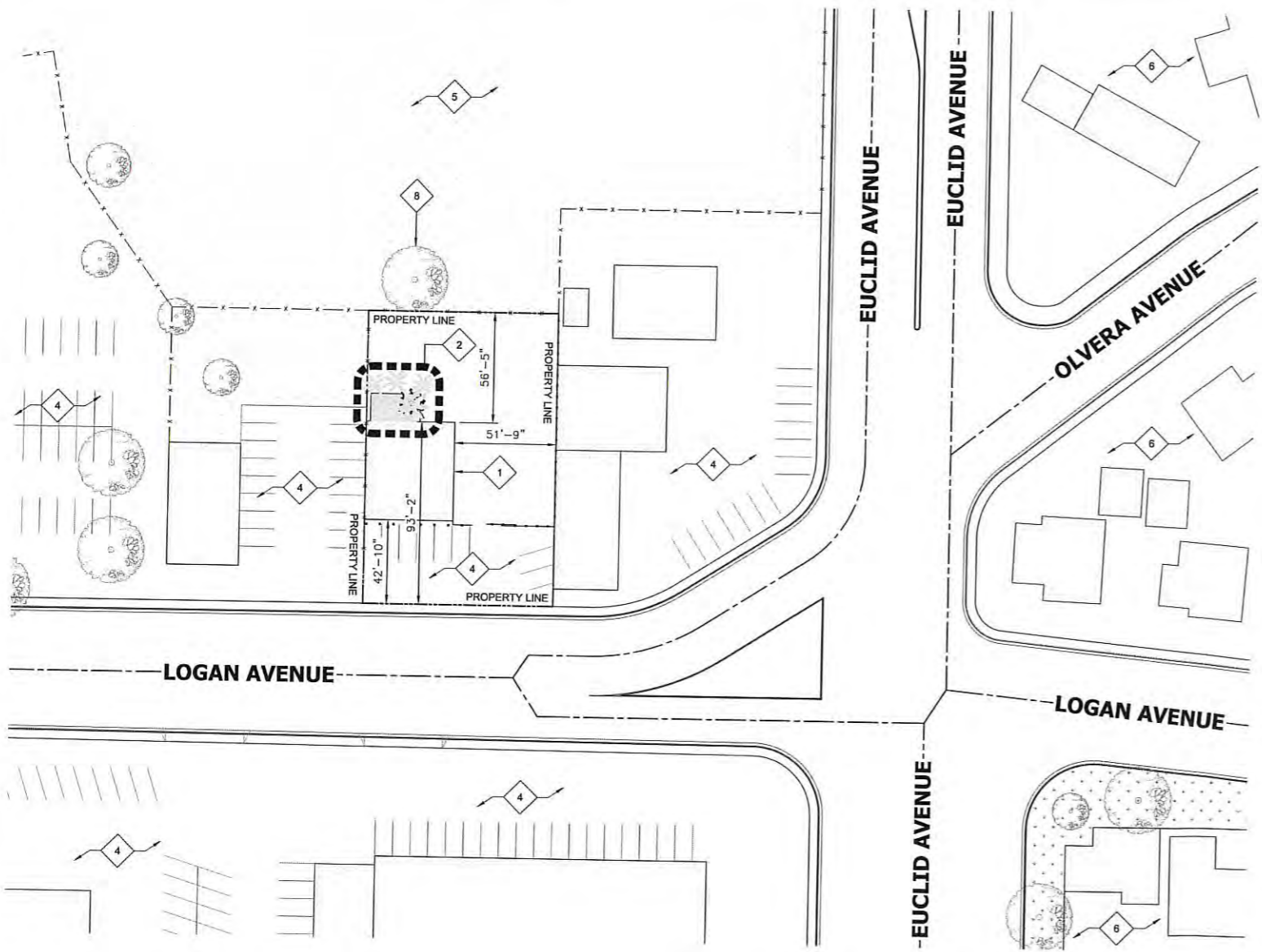
SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

- 1 (E) BUILDING ROOFTOP, TYP.
- 2 FOR ENLARGED SITE PLAN SEE:
- 3 (E) T-MOBILE EQUIPMENT AND ANTENNA AREA
- 4 (E) PARKING LOT
- 5 (E) VACANT LAND
- 6 (E) RESIDENTIAL AREA
- 7 (E) PALM TREE, TYP.
- 8 (E) TREE, TYP.
- 9 (E) BOLLARDS, TYP.

ON-1-3 REQUIRED SETBACKS:
 FRONT: MIN 0'; MAX 10'
 SIDE: MIN 10'; OPT 0'
 STREET SIDE: MIN 0'; MAX 10'
 REAR: 10'

KEYNOTES:



- NOTES:**
- THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
 - NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
 - THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, SETBACKS, AND EXISTING CONDITIONS ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION.

DISCLAIMER:
 THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON JURISDICTION WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE TRUTH, VALIDITY, INVALIDITY, ACCURACY, INACCURACY OF ANY SAID DATA AND INFORMATION. THE PARCEL LINES ON MAPS ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A SURVEY PRODUCT. USER ACCEPTS RESPONSIBILITY FOR THE UNAUTHORIZED USE OR TRANSMISSION OF ANY SUCH DATA OR INFORMATION IN ITS ACTUAL OR ALTERED FORM.

12920 SE 38TH ST
 BELLEVUE, WA 98006

200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

1387 CALLE AVANZADO
 SAN CLEMENTE CA 92673 (949) 391-6824

DRAWN BY: BM
 CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE
SITE PLAN AND ENLARGED SITE PLAN

SHEET NUMBER
A-1

SITE PLAN

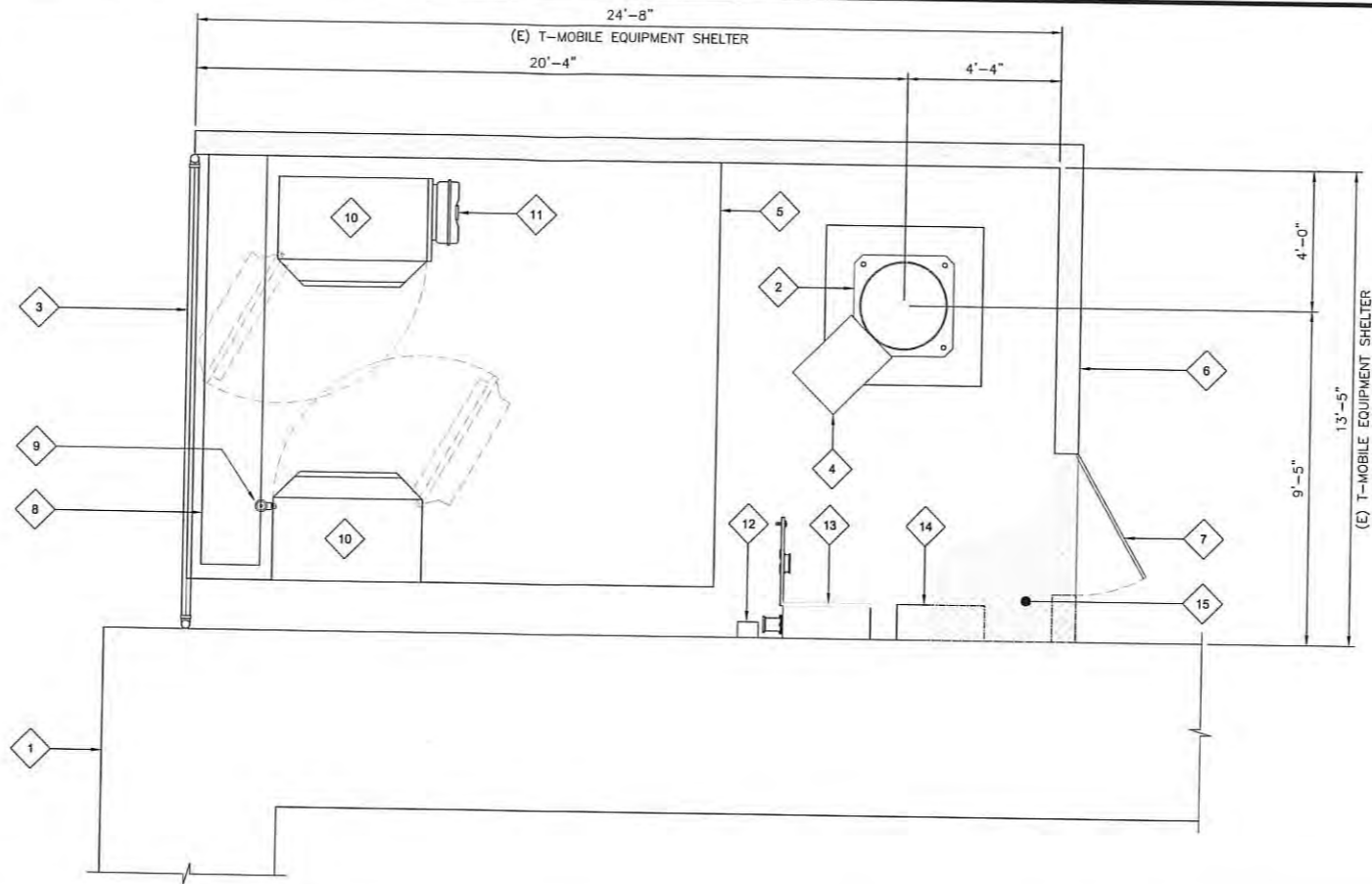
24"x36" SCALE: 1" = 40'-0"
 11"x17" SCALE: 1" = 80'-0"

ENLARGED SITE PLAN

24"x36" SCALE: 3/32" = 1'-0"
 11"x17" SCALE: 3/64" = 1'-0"

- 1 (E) BUILDING ROOFTOP
- 2 (E) MONOPALM BASE
- 3 (E) CHAIN LINK FENCE
- 4 (E) T-MOBILE CABLE SHROUD
- 5 (E) EQUIPMENT CONC. PAD
- 6 (E) OUTDOOR T-MOBILE EQUIPMENT ENCLOSURE
- 7 (E) T-MOBILE EQUIPMENT ENCLOSURE ACCESS DOOR
- 8 (E) T-MOBILE CABLE TRAY
- 9 (E) T-MOBILE GPS ANTENNA TO REMAIN; (1) TOTAL
- 10 (E) T-MOBILE EQUIPMENT CABINET; (2) TOTAL
- 11 (E) T-MOBILE CIENA BOX
- 12 (E) T-MOBILE AC SWITCH
- 13 (E) T-MOBILE PPC
- 14 (E) T-MOBILE TELCO PANEL
- 15 (E) T-MOBILE CHAIN LINK COVER
- 16 (N) T-MOBILE 6X12 HYBRID CABLE SYSTEM (HCS) TO FOLLOW (E) CABLE ROUTE

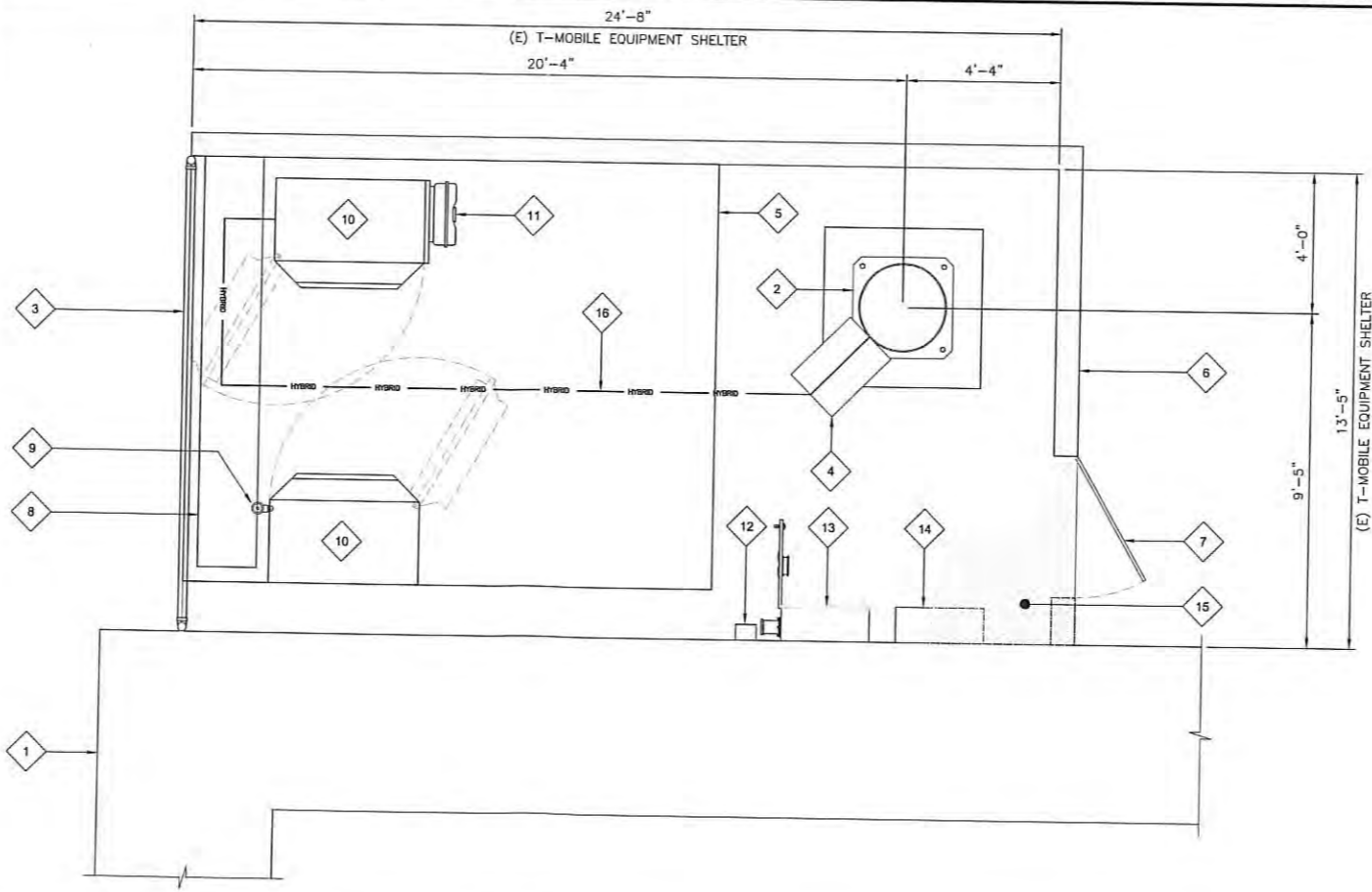
NOTE:
 1. (E) T-MOBILE PANEL ANTENNAS NOT SHOWN FOR CLARITY.
 2. (E) PALM FRONDS NOT SHOWN FOR CLARITY.



EXISTING EQUIPMENT LAYOUT

24"x36" SCALE: 3/8" = 1'-0"
 11"x17" SCALE: 3/16" = 1'-0"

NOTE:
 1. (E) T-MOBILE PANEL ANTENNAS NOT SHOWN FOR CLARITY.
 2. (E) PALM FRONDS NOT SHOWN FOR CLARITY.



24"x36" SCALE: 3/8" = 1'-0"
 11"x17" SCALE: 3/16" = 1'-0"

KEYNOTES:

NEW EQUIPMENT LAYOUT

T-Mobile
 12920 SE 38TH ST
 BELLEVUE, WA 98006

CROWN CASTLE
 200 SPECTRUM CENTER DR, SUITE 1700
 IRVINE, CA 92618

M SQUARED WIRELESS
 1387 CALLE AVANZADO
 SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM
 CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
 CROWN CASTLE SITE ID: 824829
 ISLAND VIEW MARKET
 5080 LOGAN AVE.
 SAN DIEGO, CA 92113
 MONOPALM

SHEET TITLE
EQUIPMENT LAYOUT

SHEET NUMBER
A-2

NEW OPTIMAL ANTENNA REQUIREMENTS (VERIFY WITH CURRENT RFDS)			ANTENNA MAKE AND MODEL		RAD CENTER		AZIMUTH		TRANSMISSION LINE				
ANTENNA POSITION	TECHNOLOGY	ANTENNA COUNT	EXISTING	NEW	EXISTING	NEW	EXISTING	NEW	CABLE LENGTH	CABLE QTY.	FEEDER TYPE		
SECTOR A	1	U1900, G1900	1	ERICSSON AIR21 B2A/B4P (QUAD)			42'-0"	40'		7	(E) 7/8" COAX		
	2												
	3												
	4	L1900, L2100	1	ERICSSON AIR21-B4A/B2P (QUAD)	ERICSSON AIR32 B2A/B66AA (QUAD)			42'-0"	42'-0"	40'	40'	±92'	1
SECTOR B	1	U1900, G1900	1	ERICSSON AIR21 B2A/B4P (QUAD)			42'-0"	150'		5	(E) 7/8" COAX		
	2												
	3												
	4	L1900, L2100	1	ERICSSON AIR21-B4A/B2P (QUAD)	ERICSSON AIR32 B2A/B66AA (QUAD)			42'-0"	42'-0"	150'	150'	±92'	1
SECTOR C	1	U1900, G1900	1	ERICSSON AIR21 B2A/B4P (QUAD)			42'-0"	255'		6	(E) FIBER		
	2												
	3												
	4	L1900, L2100	1	ERICSSON AIR21-B4A/B2P (QUAD)	ERICSSON AIR32 B2A/B66AA (QUAD)			42'-0"	42'-0"	255'	255'	±92'	1

TOWER MOUNTED AMPLIFIER		DC CABLES		
ANTENNA POSITION	RRUS MAKE AND MODEL	RRUS COUNT	LENGTH	AWG
SECTOR A	(E) ANDREW KRY 112 144/1	1	±70'	
SECTOR B	(E) ANDREW KRY 112 144/1	1	±70'	
SECTOR C	(E) ANDREW KRY 112 144/1	1	±70'	

REMOTE RADIO UNITS		DC CABLES		
ANTENNA POSITION	RRUS MAKE AND MODEL	RRUS COUNT	LENGTH	AWG
SECTOR A	(N) ERICSSON RRUS 32 B2	1	±70'	
SECTOR B	(N) ERICSSON RRUS 32 B2	1	±70'	
SECTOR C	(N) ERICSSON RRUS 32 B2	1	±70'	

NOTES TO CONTRACTOR:

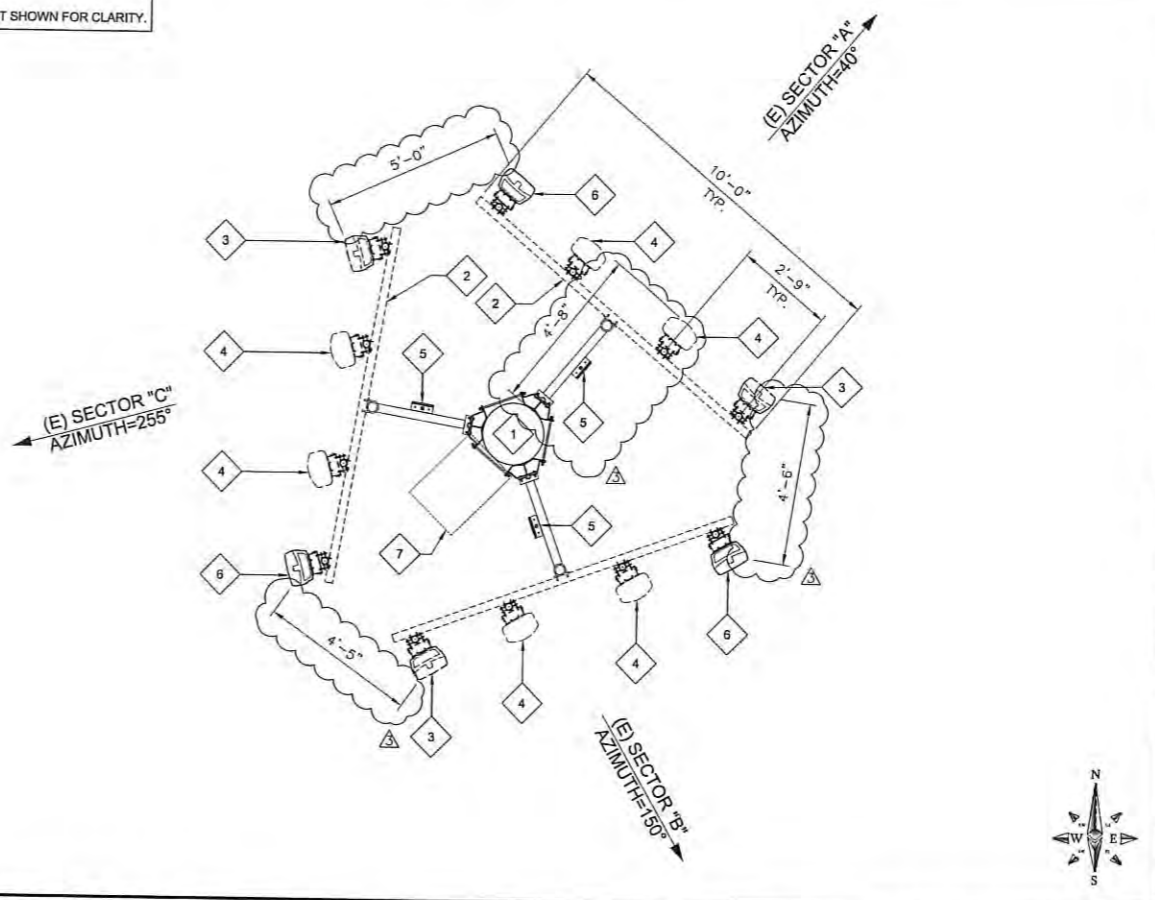
- CONTRACTOR IS TO REFER TO T-MOBILE'S MOST CURRENT RADIO FREQUENCY DATA SHEET (RFDS) PRIOR TO CONSTRUCTION
- CABLE LENGTHS WERE DETERMINED BASED ON VISUAL INSPECTION DURING SITE-WALK. CONTRACTOR TO VERIFY ACTUAL LENGTH DURING PRE-CONSTRUCTION WALK
- CONTRACTOR TO VERIFY PORTS HAVE SUFFICIENT ROOM

NOTE:

- (E) ANTENNA AZIMUTHS ARE ESTIMATED AND ARE TO BE VERIFIED BY RF.
- NEW PANEL ANTENNAS AND ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE IF REQUIRED. VERIFY PAINT MANUFACTURER AND FINISH WITH OWNER

NOTE:

- (E) PALM FRONDS NOT SHOWN FOR CLARITY.



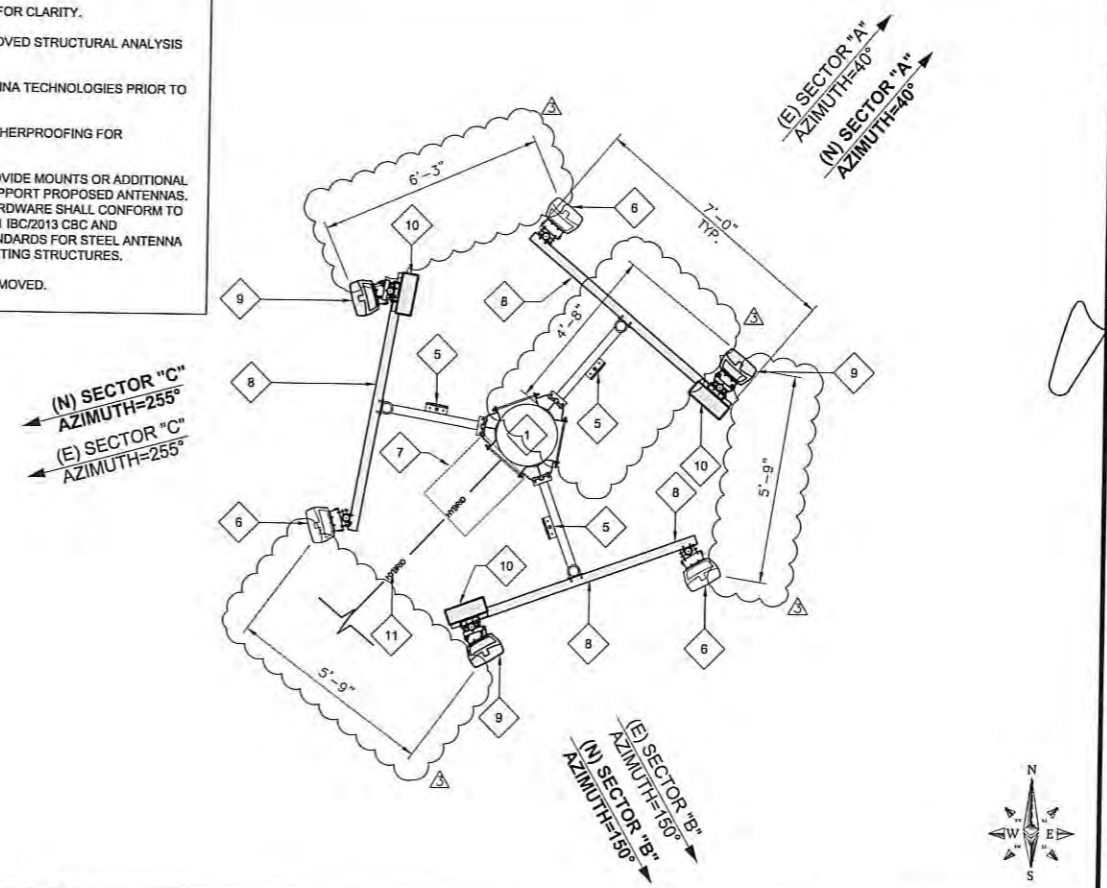
ANTENNA & EQUIPMENT SCHEDULE

- 1 (E) MONOPALM
- 2 (E) T-MOBILE CROSSOVER ARM TO BE REMOVED AND REPLACED
- 3 (E) T-MOBILE 4'-8" PANEL ANTENNA TO BE REMOVED; (1) PER SECTOR, (3) TOTAL
- 4 (E) T-MOBILE "DUMMY" PANEL ANTENNA TO BE REMOVED; (2) PER SECTOR, (6) TOTAL
- 5 (E) T-MOBILE TMA TO REMAIN; (1) PER SECTOR, (3) TOTAL
- 6 (E) T-MOBILE 4'-8" PANEL ANTENNA TO REMAIN; (1) PER SECTOR, (3) TOTAL
- 7 (E) T-MOBILE CABLE SHROUD
- 8 (N) T-MOBILE 3.5" Ø x 7'-0" STD CROSSOVER ARM
- 9 (N) T-MOBILE AIR 32 4'-8" PANEL ANTENNA MOUNTED ON (E) PIPE MOUNT; (1) PER SECTOR, (3) TOTAL
- 10 (N) T-MOBILE RRU 32 B2 MOUNTED ON (E) PIPE MOUNT; (1) PER SECTOR, (3) TOTAL
- 11 (N) T-MOBILE 6X12 HYBRID CABLE SYSTEM (HCS) TO FOLLOW (E) CABLE ROUTE

EXISTING ANTENNA PLAN

NOTE:

- (E) PALM FRONDS NOT SHOWN FOR CLARITY.
- CONTRACTOR TO VERIFY APPROVED STRUCTURAL ANALYSIS PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY ANTENNA TECHNOLOGIES PRIOR TO REMOVAL OF ANY ANTENNAS.
- CONTRACTOR TO SUPPLY WEATHERPROOFING FOR CONNECTIONS.
- GENERAL CONTRACTOR TO PROVIDE MOUNTS OR ADDITIONAL HARDWARE IF REQUIRED TO SUPPORT PROPOSED ANTENNAS. ALL ANTENNAS & MOUNTING HARDWARE SHALL CONFORM TO DESIGN REQUIREMENTS PER 201 IBC/2013 CBC AND EIA/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- UNUSED PIPE MOUNTS TO BE REMOVED.



KEYNOTES:

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

M SQUARED WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-0824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	TL
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

REGISTERED PROFESSIONAL ENGINEER
ROYALL A. WHARTON
C50547
EXP. DATE: 6/30/19
STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
ANTENNA LAYOUT

SHEET NUMBER
A-3

NEW ANTENNA PLAN

- 1 (E) BUILDING
- 2 (E) MONOPALM
- 3 (E) OUTDOOR T-MOBILE EQUIPMENT ENCLOSURE
- 4 (E) T-MOBILE GPS ANTENNA TO REMAIN; (1) TOTAL
- 5 (E) T-MOBILE CROSSOVER ARM TO BE REMOVED AND REPLACED
- 6 (E) T-MOBILE 4'-8" PANEL ANTENNA TO BE REMOVED; (1) PER SECTOR, (3) TOTAL
- 7 (E) T-MOBILE "DUMMY" PANEL ANTENNA AND PIPE MOUNTS TO BE REMOVED; (2) PER SECTOR, (6) TOTAL
- 8 (E) T-MOBILE TMA TO REMAIN; (1) PER SECTOR, (3) TOTAL
- 9 (E) T-MOBILE 4'-8" PANEL ANTENNA TO REMAIN; (1) PER SECTOR, (3) TOTAL

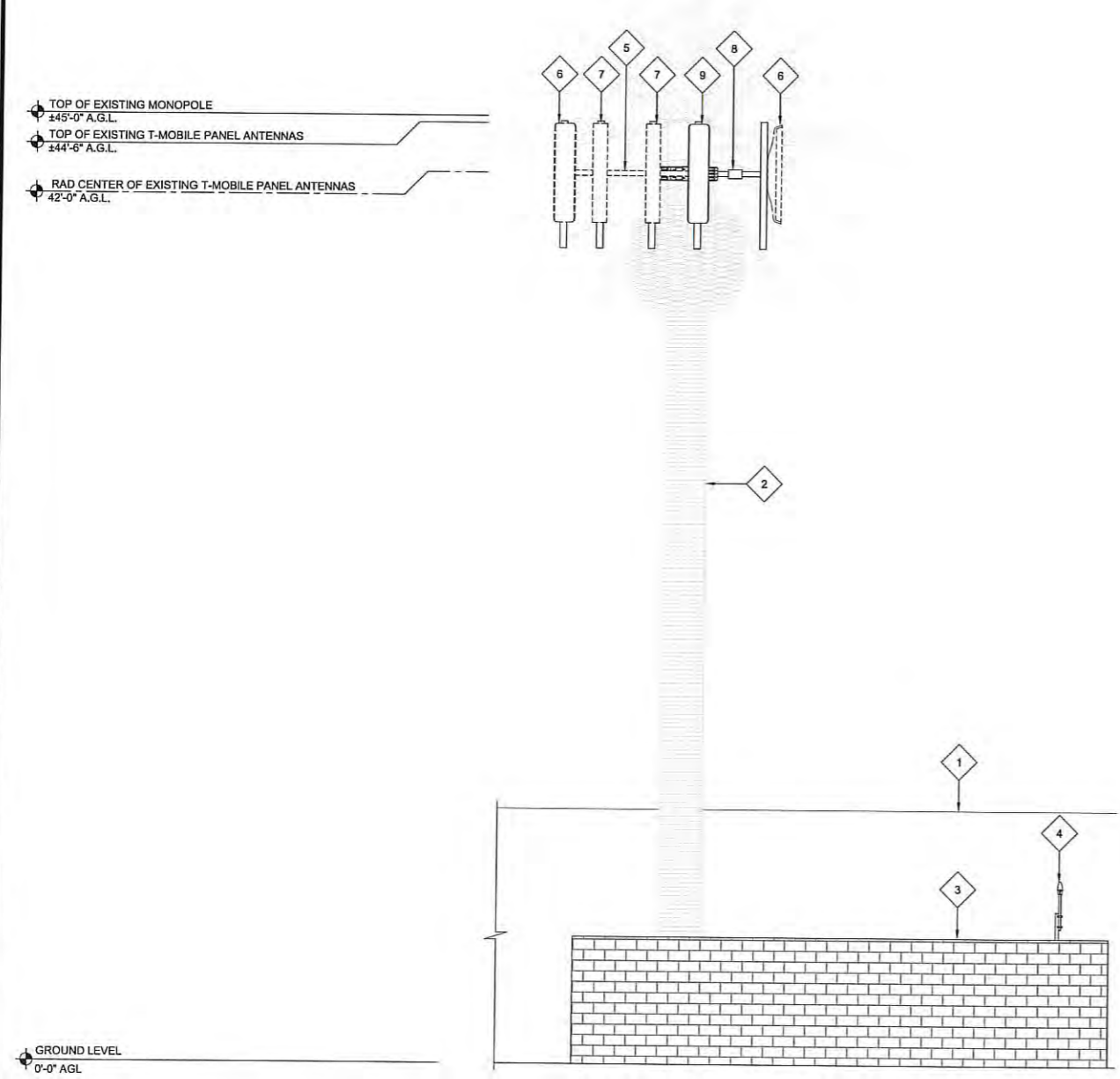
- 10 (N) T-MOBILE 3.5" Ø x 7'-0" STD CROSSOVER ARM (2) D-1
- 11 (N) T-MOBILE AIR 32 4'-8" PANEL ANTENNA MOUNTED ON (E) PIPE MOUNT; (1) PER SECTOR, (3) TOTAL (1) D-1 (5) D-1
- 12 (N) T-MOBILE RRU 32 B2 MOUNTED ON (E) PIPE MOUNT; (1) PER SECTOR, (3) TOTAL (3) D-1 (6) D-1
- 13 (N) T-MOBILE 6X12 HYBRID CABLE SYSTEM (HCS) TO FOLLOW (E) CABLE ROUTE (7) D-1 (8) D-1
- 14 (N) FROND SOCKS TO BE INSTALLED ON THE ANTENNAS (1) D-2

NOTE:

- NEW PANEL ANTENNAS AND ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE IF REQUIRED. VERIFY PAINT MANUFACTURER AND FINISH WITH OWNER.
- NEW AND EXISTING ANTENNAS AND EQUIPMENT TO BE FULLY SCREENED BY MONOPALM FRONDS.

KEYNOTES:

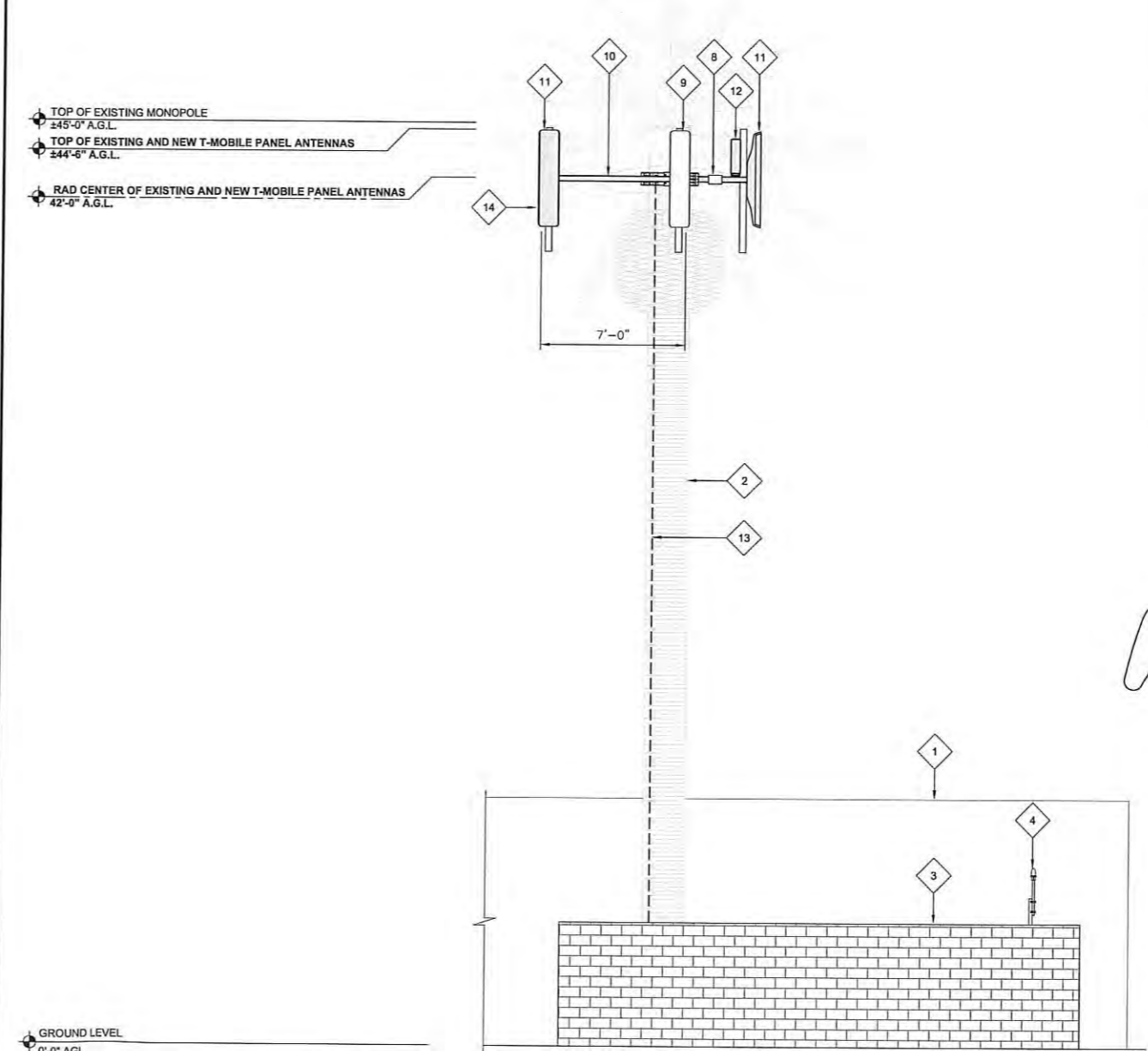
NOTE:
1. EXISTING PALM TREE NOT SHOWN ON THIS ELEVATION VIEW FOR CLARITY.



EXISTING NORTH ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"
0" 2' 4' 8'

NOTE:
1. EXISTING PALM TREE NOT SHOWN ON THIS ELEVATION VIEW FOR CLARITY.
2. UNUSED PIPE MOUNTS TO BE REMOVED.



NEW NORTH ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"
0" 2' 4' 8'



DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-4

- 1 (E) BUILDING
- 2 (E) PALM TREE
- 3 (E) MONOPALM
- 4 (E) OUTDOOR T-MOBILE EQUIPMENT ENCLOSURE
- 5 (E) T-MOBILE EQUIPMENT SHELTER ACCESS DOOR
- 6 (E) T-MOBILE GPS ANTENNA TO REMAIN; (1) TOTAL
- 7 (E) T-MOBILE CROSSOVER ARM TO BE REMOVED AND REPLACED
- 8 (E) T-MOBILE 4'-8" PANEL ANTENNA TO BE REMOVED; (1) PER SECTOR, (3) TOTAL
- 9 (E) T-MOBILE "DUMMY" PANEL ANTENNA AND PIPE MOUNTS TO BE REMOVED; (2) PER SECTOR, (6) TOTAL

- 10 (E) T-MOBILE 4'-8" PANEL ANTENNA TO REMAIN; (1) PER SECTOR, (3) TOTAL 1
D-1 4
D-1
- 11 (N) T-MOBILE 3.5" Ø x 7'-0" STD CROSSOVER ARM 2
D-1
- 12 (N) T-MOBILE AIR 32 4'-8" PANEL ANTENNA MOUNTED ON (E) PIPE MOUNT; (1) PER SECTOR, (3) TOTAL 1
D-1 5
D-1
- 13 (N) T-MOBILE 6X12 HYBRID CABLE SYSTEM (HCS) TO FOLLOW (E) CABLE ROUTE 7
D-1 8
D-1
- 14 (N) FROND SOCKS TO BE INSTALLED ON THE ANTENNAS 1
D-2

NOTE:

1. NEW PANEL ANTENNAS AND ALL MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING STRUCTURE IF REQUIRED. VERIFY PAINT MANUFACTURER AND FINISH WITH OWNER.
2. NEW AND EXISTING ANTENNAS AND EQUIPMENT TO BE FULLY SCREENED BY MONOPALM FRONDS.



DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



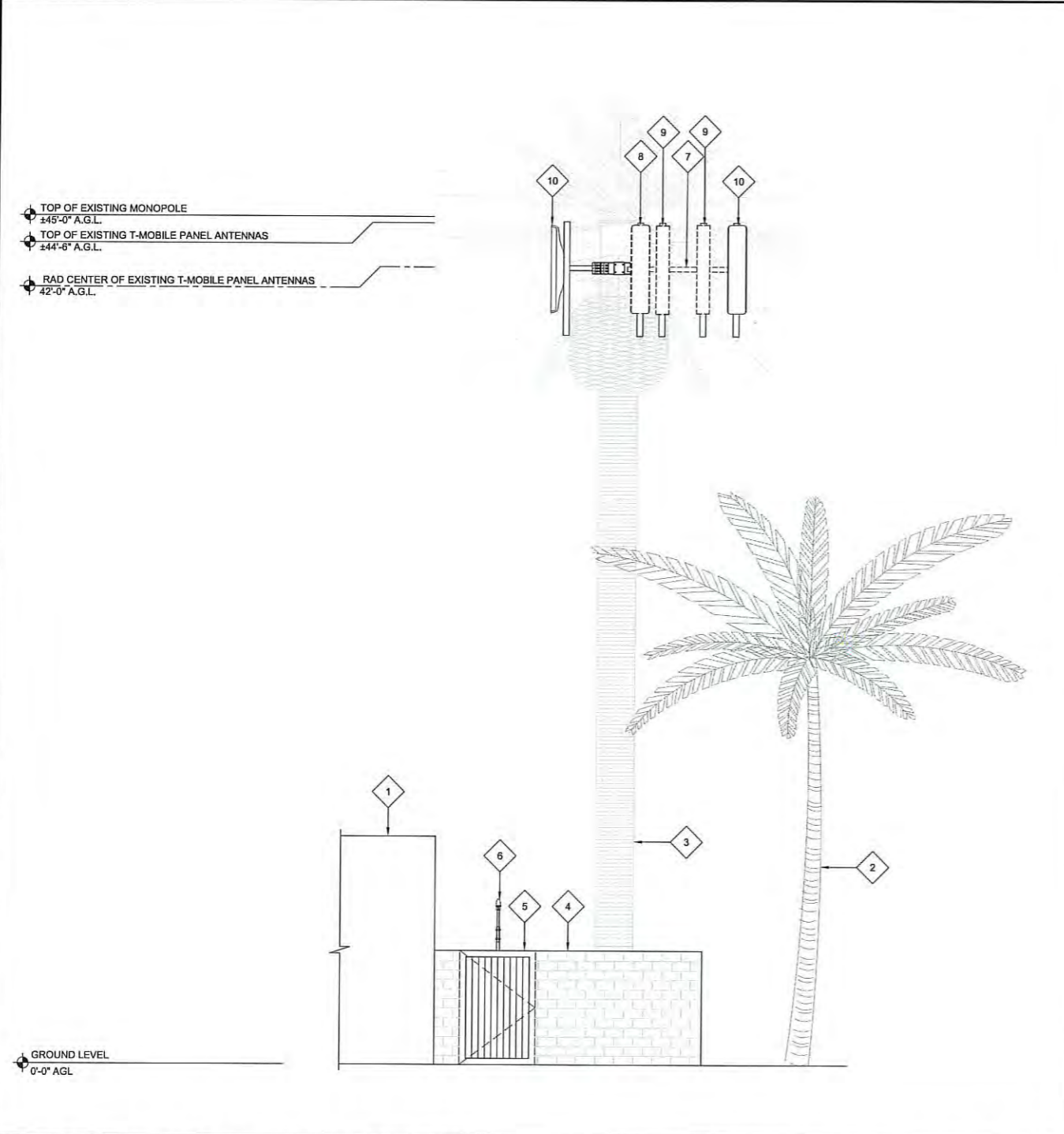
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
ELEVATIONS

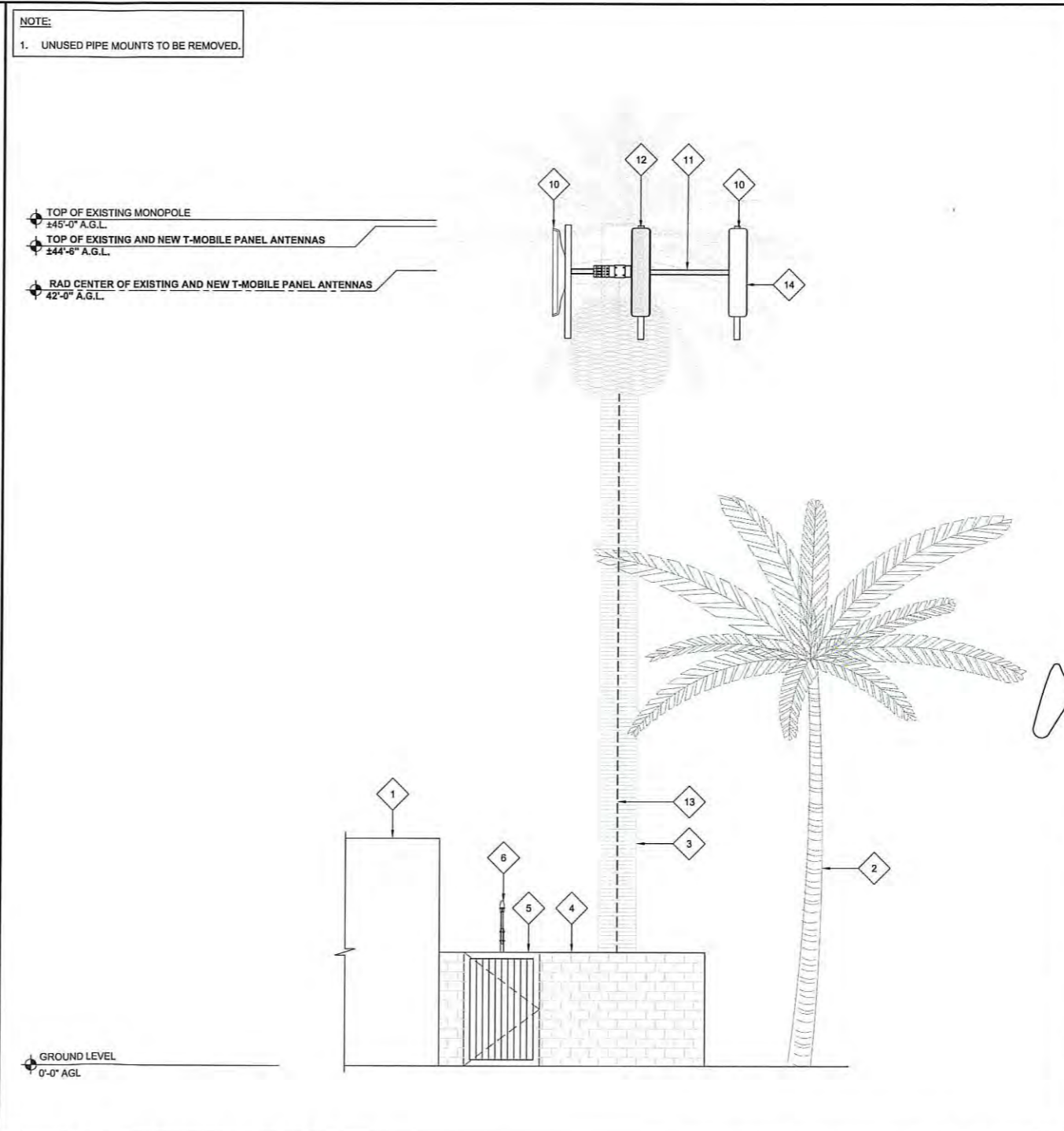
SHEET NUMBER
A-5

KEYNOTES:



EXISTING NORTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"
0" 2' 4' 8'



NEW NORTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"
0" 2' 4' 8'

1

2

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 32
DIMENSIONS:	TOTAL WEIGHT :
A 27.2"	
B 12.1"	±60 LBS
C 7.0"	

TOP VIEW FRONT VIEW SIDE VIEW

MANUFACTURER:	AMPHENOL
MODEL NO.:	36210008
DIMENSIONS:	TOTAL WEIGHT :
PIPE DIAMETER:	
MAX: 115mm (4.5")	15.2 LBS
MIN: 40mm (1.6")	

NOTE: TOP BRACKET MAY BE VALMONT MODEL DB380 ALSO IF NO DOWNTILT OF ANTENNA IS REQUIRED.

MANUFACTURER:	KATHREIN
MODEL NO.:	85010084
TOTAL WEIGHT :	±28.7 LBS

SCREW SIZE	TORQUE
M8	20Nm
M10	50Nm

A	mm
1"	25.4
1.5"	38.1
2"	50.8
2.5"	63.5
3"	76.2
3.5"	88.9
4"	101.6
4.5"	114.3
5"	127.0
5.5"	139.7
6"	152.4
6.5"	165.1
7"	177.8
7.5"	190.5
8"	203.2
8.5"	215.9
9"	228.6
9.5"	241.3
10"	254.0
10.5"	266.7
11"	279.4
11.5"	292.1
12"	304.8
12.5"	317.5
13"	330.2
13.5"	342.9
14"	355.6
14.5"	368.3
15"	381.0
15.5"	393.7
16"	406.4
16.5"	419.1
17"	431.8
17.5"	444.5
18"	457.2
18.5"	469.9
19"	482.6

MAXIMUM TORQUE
M10 50N.m (36.88FT.LBS)

HANG ANTENNA ON BRACKET STUDS AND SECURE WITH NUTS. ADJUST LOWER CARRIER AS SHOWN IN DETAIL A

ATTENTION: LOOSEN BOTH SCREWS TO ADJUST THE LOWER CARRIER AND RESECURE THEM AFTERWARDS

REUSE EXISTING AIR 21 BRACKET IF APPLICABLE

TORQUE MA = 35 Nm DEVIATING FROM THE TABLE

M10 (MOUNTING ACCESSORIES INCLUDED) TORQUE MA = 40 Nm DEVIATING FROM THE TABLE (TYP. TOP AND BOTTOM)

T-Mobile

12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE

200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

M SQUARED WIRELESS

1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-6824

(N) ERICSSON RRUS 32 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

(N) ANTENNA AND RRU MOUNTING 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

(N) AIR ANTENNA MOUNTING 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	08/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

MANUFACTURER:	ERICSSON
MODEL NO.:	HCS 6X12
WEIGHT:	1.7 LBS/FT
DIAMETER:	1.38" (±.1")
COAX EQUIVALENT:	1 3/8"

OPTICAL PAIR CABLE, TYP: (12) TOTAL
DC PAIR CABLE, TYP: (6) TOTAL

MANUFACTURER:	ERICSSON
MODEL NO.:	AIR 21 B2A B4P
DIMENSIONS:	TOTAL WEIGHT :
A 56.2"	91.5 LBS
B 12.1"	
C 7.9"	

TOP VIEW FRONT VIEW SIDE VIEW

M10 (MOUNTING ACCESSORIES INCLUDED) TORQUE MA = 40 Nm DEVIATING FROM THE TABLE (TYP. TOP AND BOTTOM)

(N) HCS 6X12 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7

(E) AIR 21 ANTENNA 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

(N) AIR ANTENNA MOUNTING 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

REGISTERED PROFESSIONAL ENGINEER
ROYALL A. WHARTON
C50547
EXP. DATE: 6/30/19
STATE OF CALIFORNIA
CIVIL

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

MANUFACTURER:	ERICSSON
MODEL NO.:	UTDC1B_500M
OUTER DIAMETER (NOMINAL):	.68"
OUTER DIAMETER (MIN):	.64"
OUTER DIAMETER (MAX):	.74"
OPERATING VOLTAGE:	48 V DC
MAX RATED VOLTAGE:	0.6 kV RMS
RESISTANCE:	0.40 Ω/ft
CURRENT RATING:	75 A
NOMINAL CABLE WEIGHT:	.351 LBS/FT
MIN BENDING RADIUS:	10 X CABLE Ø

CROSS SECTION

MANUFACTURER:	ERICSSON
MODEL NO.:	AIR 32 XRO901146-1 B86 BZ (OCTA)
DIMENSIONS:	WEIGHT WITHOUT INSTALLATION KIT: WEDGE WIRE SIZE
A 59.25"	99 LBS 131 LBS
B 12.87"	
C 8.67"	

TOP VIEW FRONT VIEW SIDE VIEW

P/N: COBRA MM-014

MOUNTING - ISOMETRIC FRONT VIEW

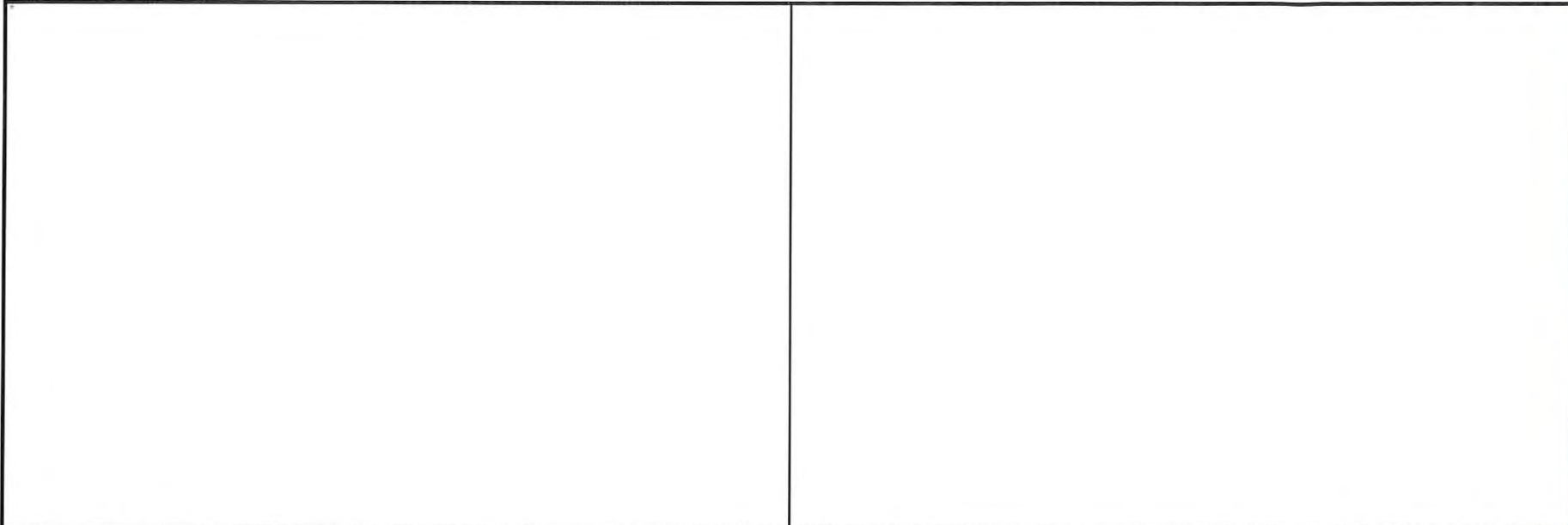
(N) 6AWG DC PAIR CABLE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8

(N) AIR 32 ANTENNA 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

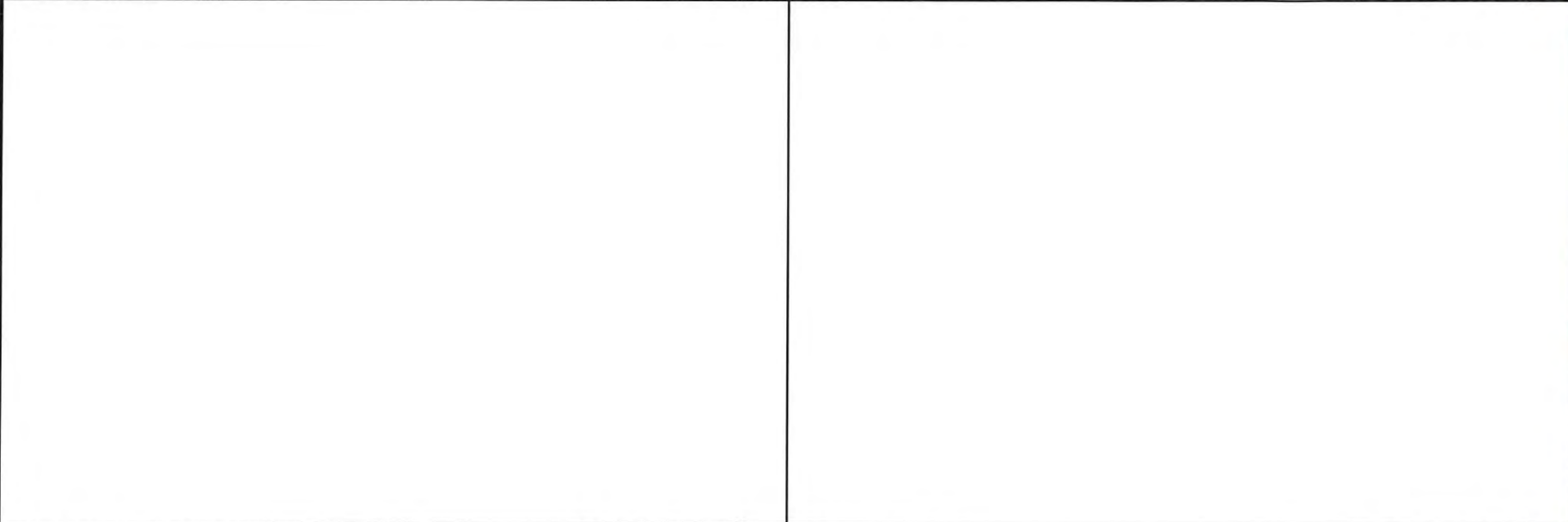
(N) CROSSOVER KIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

SHEET TITLE
DETAILS

SHEET NUMBER
D-1



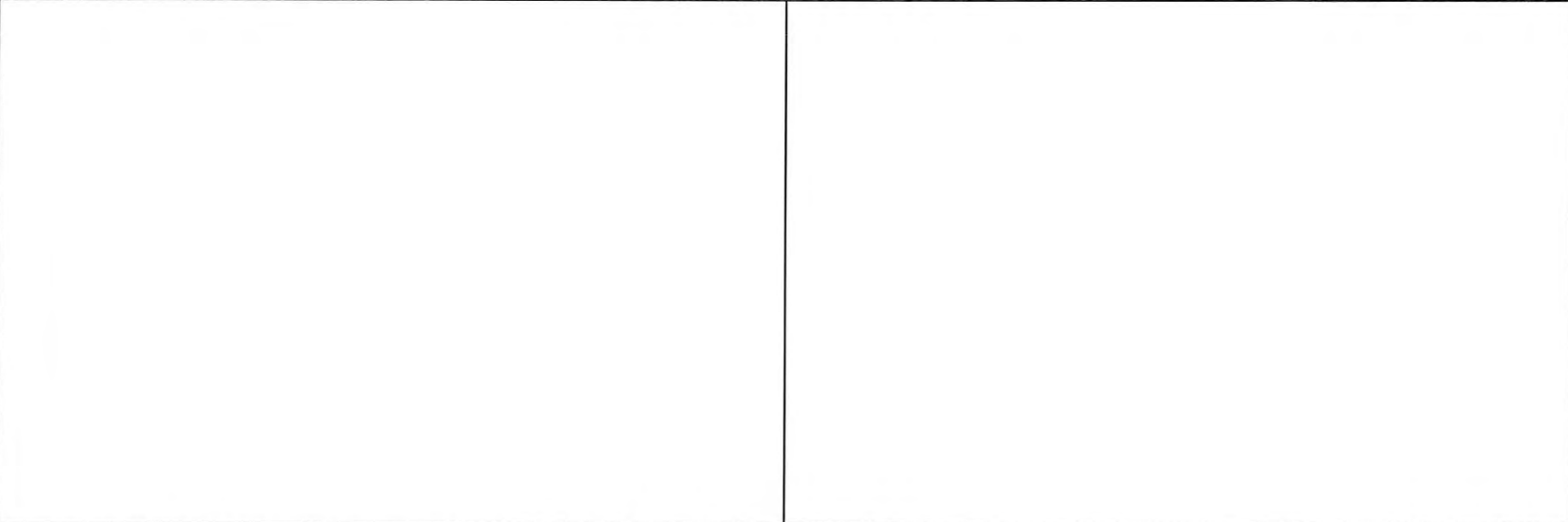
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6 NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3



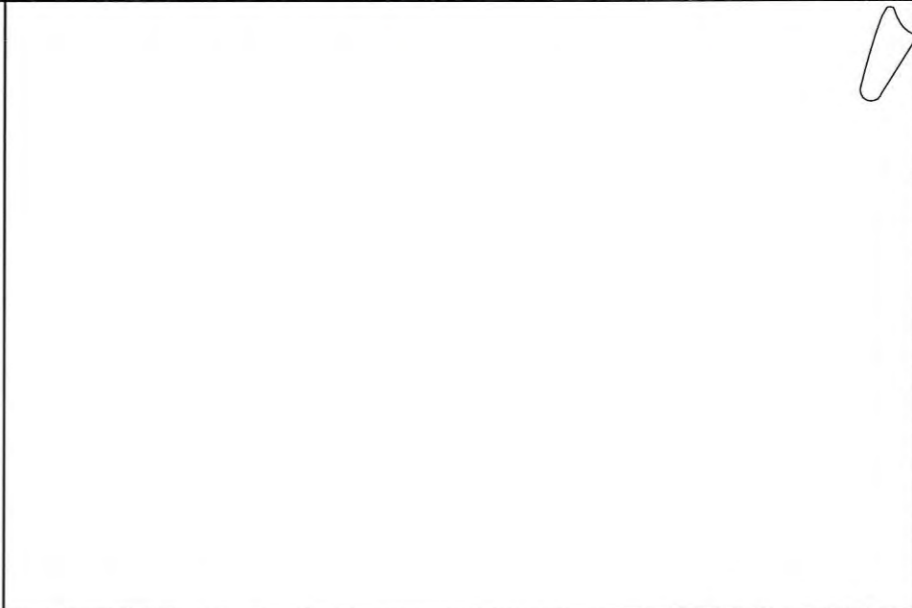
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7 NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



SOCK FROND EXAMPLE 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8 NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

M SQUARE WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

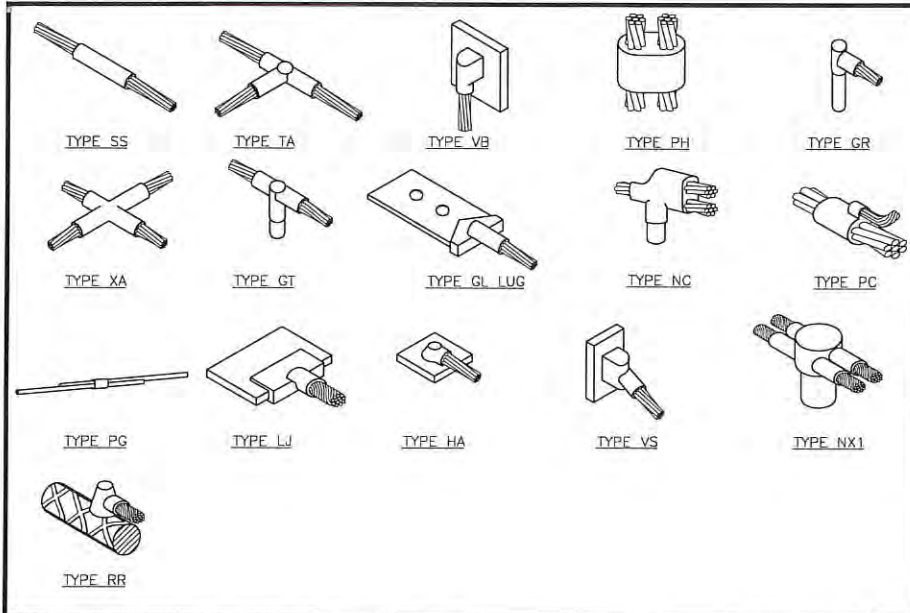
REGISTERED PROFESSIONAL ENGINEER
ROYALL A. WHARTON
C50547
EXP. DATE: 6/30/19
CIVIL
STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

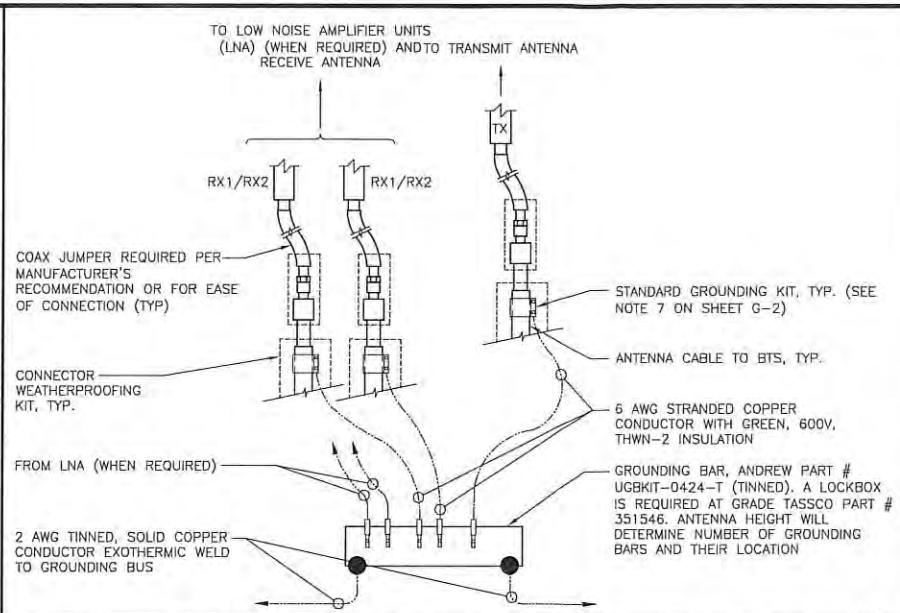
SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
DETAILS

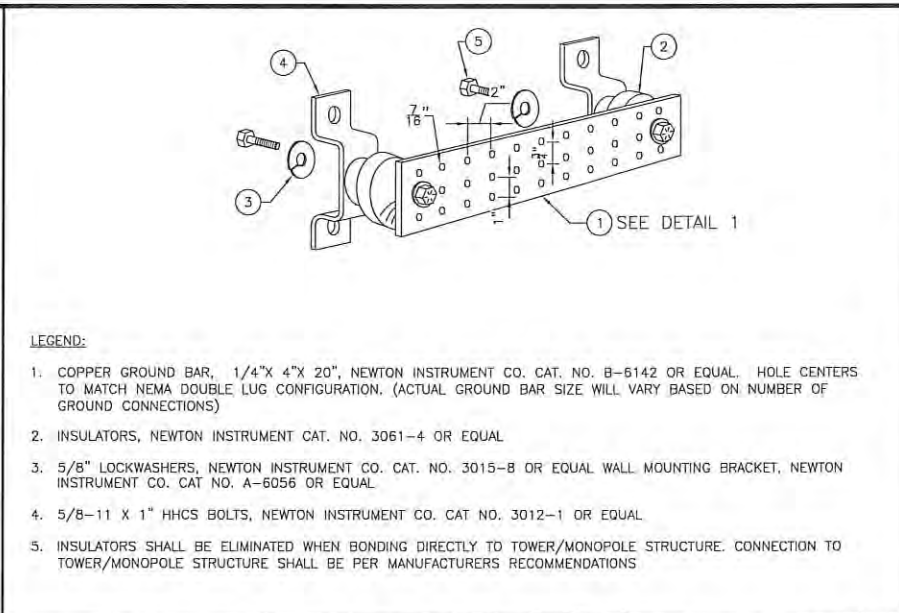
SHEET NUMBER
D-2



TYPICAL CADWELD TYPES 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



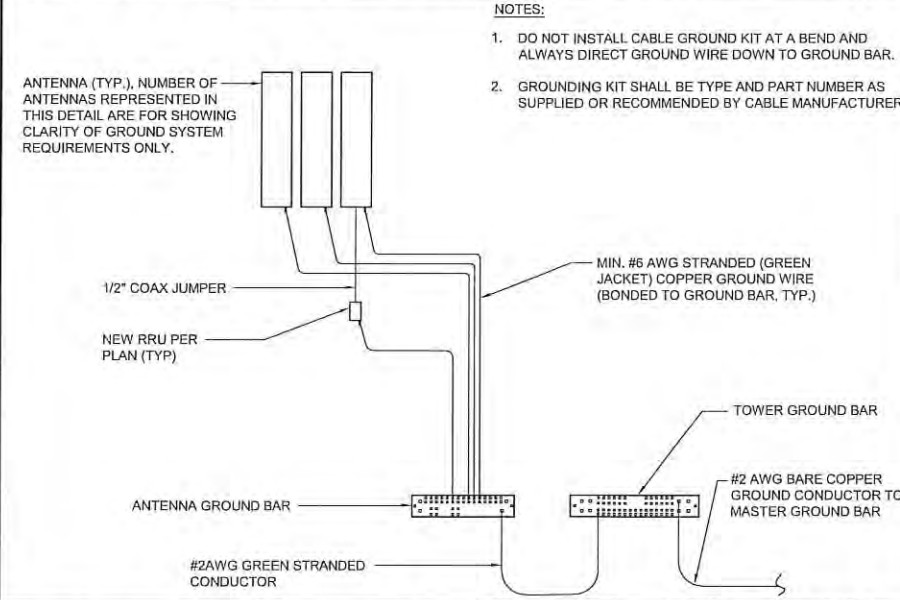
GROUNDING BAR CONNECTION 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



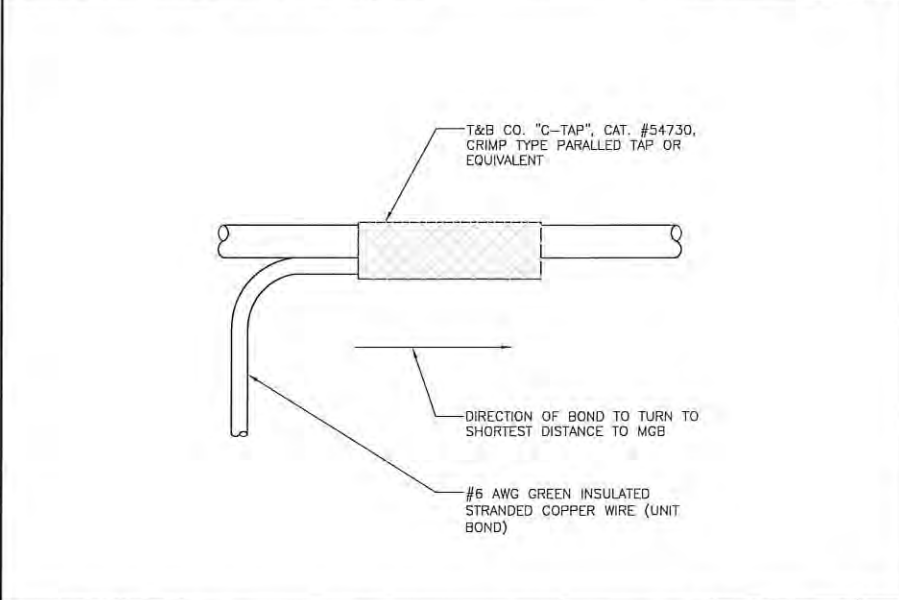
GROUNDING BAR DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8



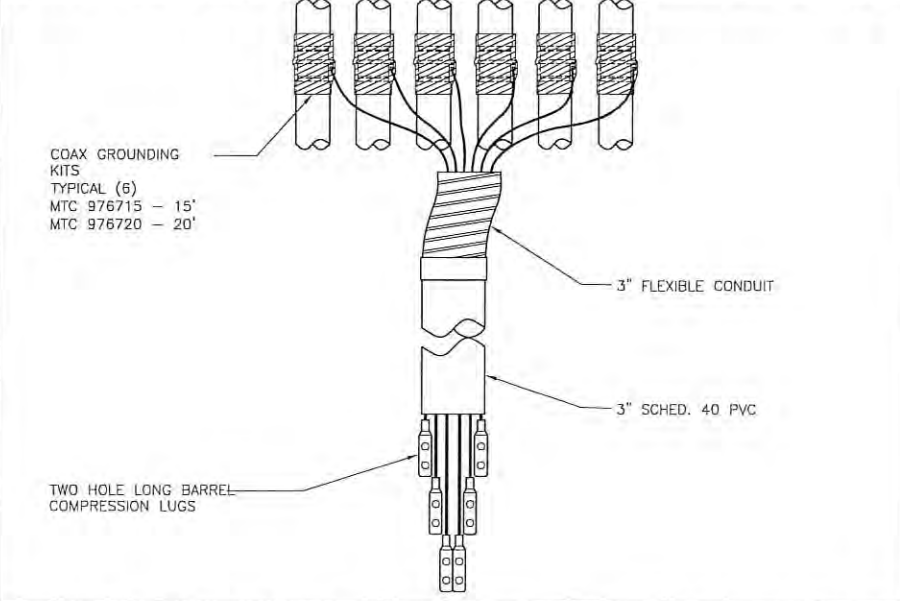
ANTENNA GROUNDING PLAN 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5



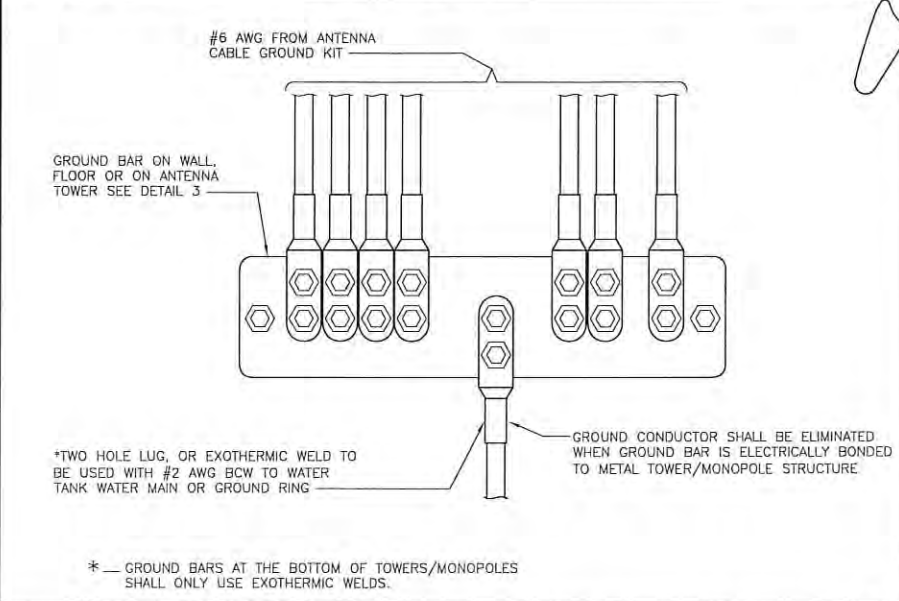
GROUNDING WIRE CONNECTION 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2



NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9



COAX GROUND KIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6



WIRE TO GROUND BAR CONNECTION 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

T-Mobile
12920 SE 38TH ST
BELLEVUE, WA 98006

CROWN CASTLE
200 SPECTRUM CENTER DR, SUITE 1700
IRVINE, CA 92618

M SQUARE WIRELESS
1387 CALLE AVANZADO
SAN CLEMENTE CA 92673 (949) 391-8824

DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM

REGISTERED PROFESSIONAL ENGINEER
ROYAL A. WHARTON
C50547
EXP. DATE: 6/30/19
CIVIL
STATE OF CALIFORNIA

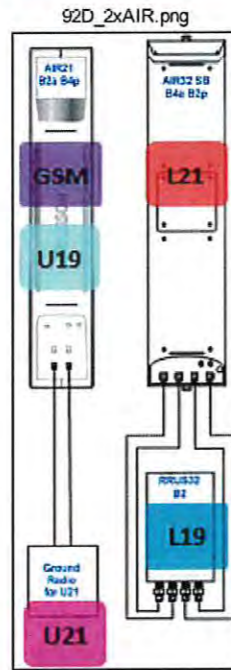
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

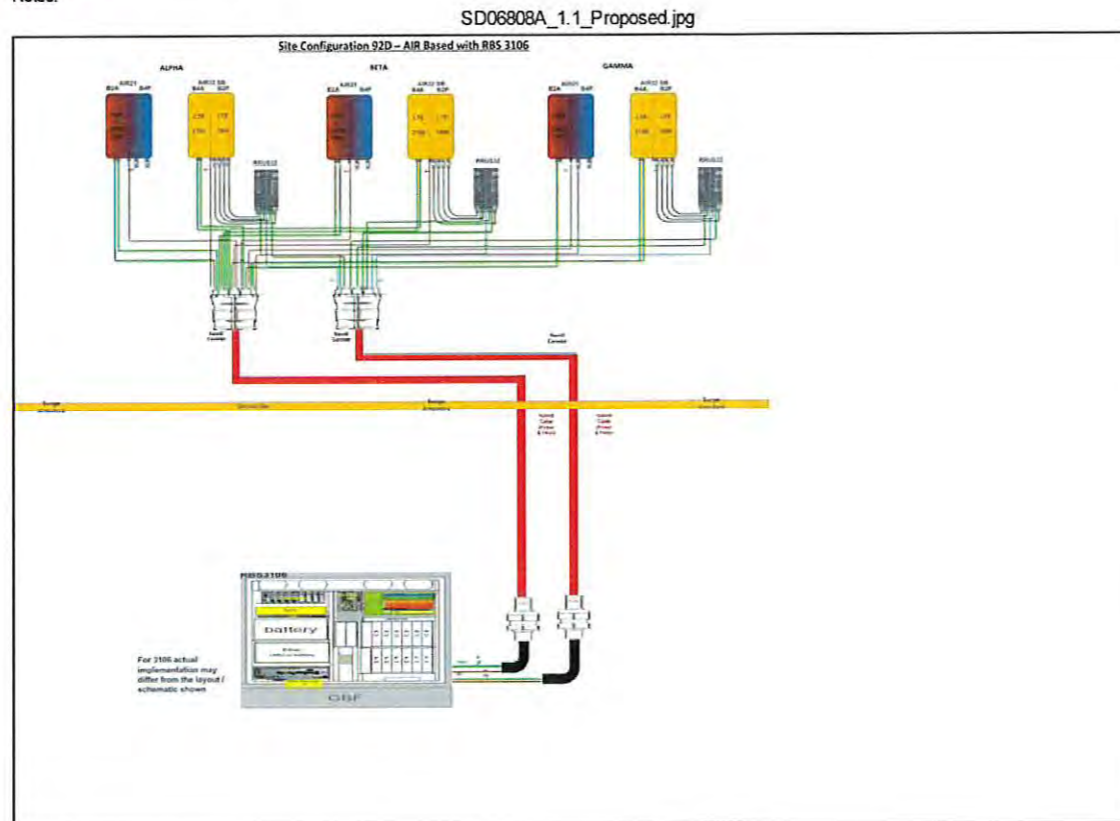
SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
G-1

Section 3 - Proposed Template Images



Notes:



Notes:



DRAWN BY: BM
CHECKED BY: MM

REV	DATE	DESCRIPTION	BY
4	06/29/2018	100% CD'S - REVISED	EZG
3	05/18/2018	100% CD'S JX COMMENTS	
2	02/15/2018	100% CD'S REVISED	TL
1	12/21/2017	100% CD'S FOR SUBMITTAL	DV
0	12/12/2017	90% CD'S FOR REVIEW	BM



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SD06808A_L1900 & AIR 32
CROWN CASTLE SITE ID: 824829
ISLAND VIEW MARKET
5080 LOGAN AVE.
SAN DIEGO, CA 92113
MONOPALM

SHEET TITLE
CABLE LINE DIAGRAM

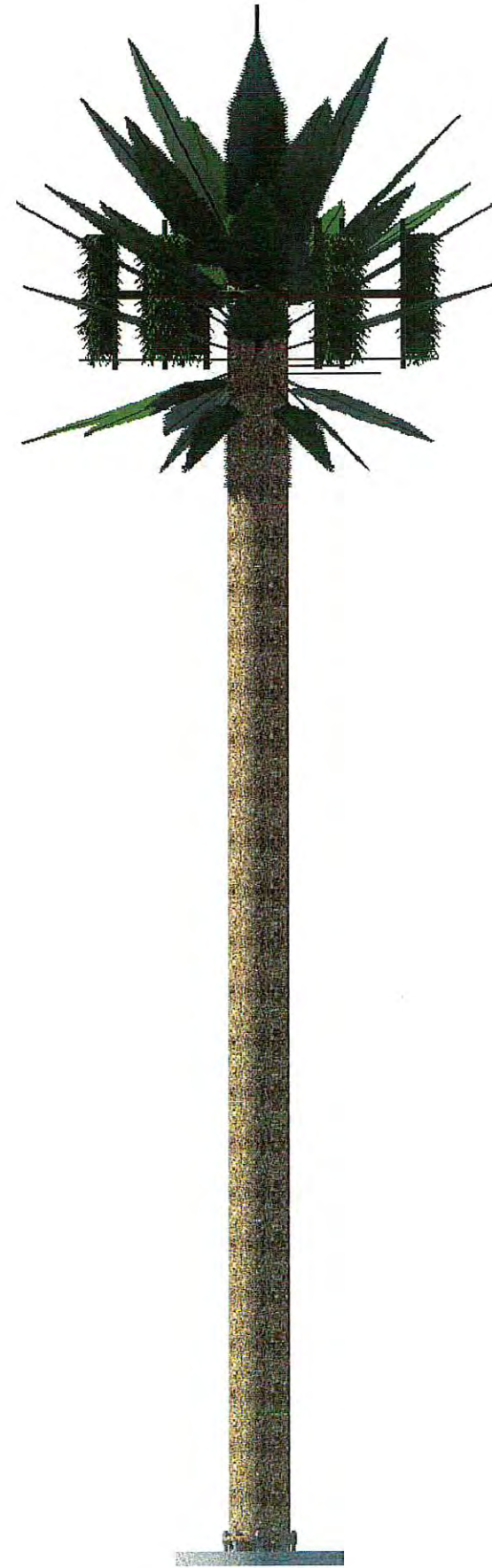
SHEET NUMBER
RF-1



PLAN VIEW

SCALE:
NONE

1 ELEVATION VIEW



SCALE:
NONE

2

CONSULTANT



SOLAR COMMUNICATIONS
INTERNATIONAL, INC.
8885 RIO SAN DIEGO DR.
Suite 207, San Diego, CA 92108
Tel: (619) 243-2750; Fax: (619) 243-2749
www.RFTransparent.com

COPYRIGHT 2006 SOLAR COMMUNICATIONS INTERNATIONAL, INC.
THESE MATERIALS ARE PROTECTED BY UNITED STATES COPYRIGHT LAW AND
MAY NOT BE REPRODUCED, DISTRIBUTED, TRANSMITTED, DISPLAYED, OR
PUBLISHED WITHOUT THE PRIOR WRITTEN PERMISSION OF SOLAR
COMMUNICATIONS INTERNATIONAL, INC. YOU MAY NOT ALTER OR REMOVE ANY
TRADEMARK, COPYRIGHT OR OTHER NOTICE FROM COPIES OF THIS CONTENT.

CLIENT

Blank space for client information.

PROJECT

RFTRANSPARENT MONOPALM

LOCATION

ISLAND VIEW MARKET
#824829
5080 LOGAN AVE
SAN DIEGO, CA 92113
SAN DIEGO COUNTY

ISSUED FOR

PRODUCTION

DW'N BY: ALR CK'D BY: LEM DATE: 31JAN19

REVISIONS

REV.	CHANGES	DATE	BY

ENGINEER SEAL

Blank space for engineer seal.

SHEET TITLE
PLAN AND ELEVATION
VIEWS

WSC PROJECT NUMBER

Blank space for WSC project number.

DRAWING NUMBER

Blank space for drawing number.

PAGE NUMBER

RF-01