



THE CITY OF SAN DIEGO

Report to the Planning Commission

DATE ISSUED: October 26, 2023 REPORT NO. PC-23-043

HEARING DATE: November 2, 2023

SUBJECT: AT&T MISSION GORGE ROAD, Process Four Decision

PROJECT NUMBER: [PRJ-1054374](#)

OWNER/APPLICANT: The Chun B. and Gloria Yim Family Trust, Owner, and AT&T MOBILITY, Permittee

SUMMARY

Issue: Should the Planning Commission approve a Planned Development Permit (PDP) for a Wireless Communication Facility (WCF) located at 8181 Mission Gorge Road in the Mission Trails Design District within the Navajo Community Plan area?

Staff Recommendations:

1. **Approve** PDP No. 3144552.

Community Planning Group Recommendation: On June 13, 2022, the Navajo Community Planning Group voted 11-0-0 to recommend approval of the project with no conditions (Attachment 9).

Environmental Review:

This project was determined to be categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines section 15302 (Replacement or Reconstruction). The environmental exemption determination for this project was made on June 22, 2023, and the opportunity to appeal that determination ended July 7, 2023 (Attachment 7).

Fiscal Impact Statement: All costs associated with the processing of this project are paid by the applicant.

Code Enforcement Impact: None.

Housing Impact Statement: This project application is for a wireless communication facility and is not associated with residential development.

BACKGROUND

The AT&T Mission Gorge Road (Project) proposes the continued use of a Wireless Communication Facility (WCF) by AT&T. The existing wireless facility currently consists of 12 rooftop antennas and 9 Remote Radio Units (RRUs) all concealed within an existing rooftop enclosure. Equipment continues to operate inside a 183-square-foot enclosure located on the ground level. The WCF is in the Jackson Plaza with the address of 8181 Mission Gorge Road in the CN-1-2 zone in the Mission Trails Design District within the Navajo Community Plan, and City Council District 7. The WCF was previously approved for a Site Development Permit (SDP) and PDP on December 8, 2011, with a 10-year term.

DISCUSSION

Project Description:

The Project proposes the continued use of a WCF by AT&T. The project consists of replacing six (6) panel antennas and retaining six (6) existing panel antennas with a total of twelve (12) antennas (four per sector). The project also retains nine (9) existing RRUs (three per sector) and consists of auxiliary equipment located in an existing 183-square-foot enclosure located on the ground level.

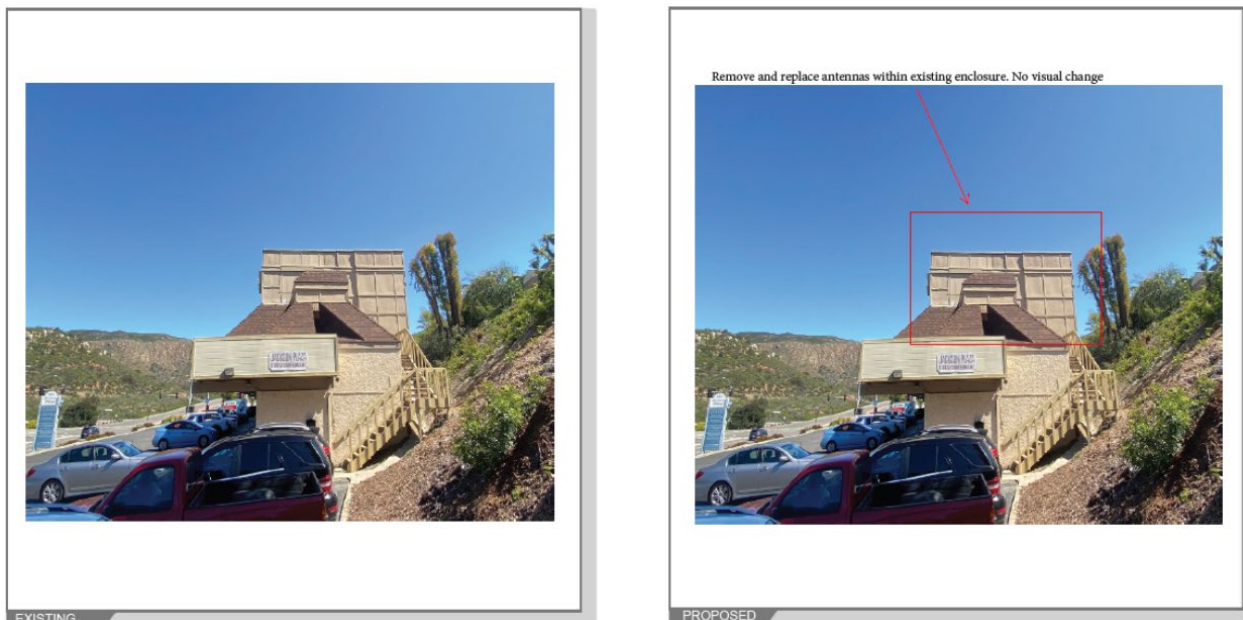


Figure 1 View of WCF looking East

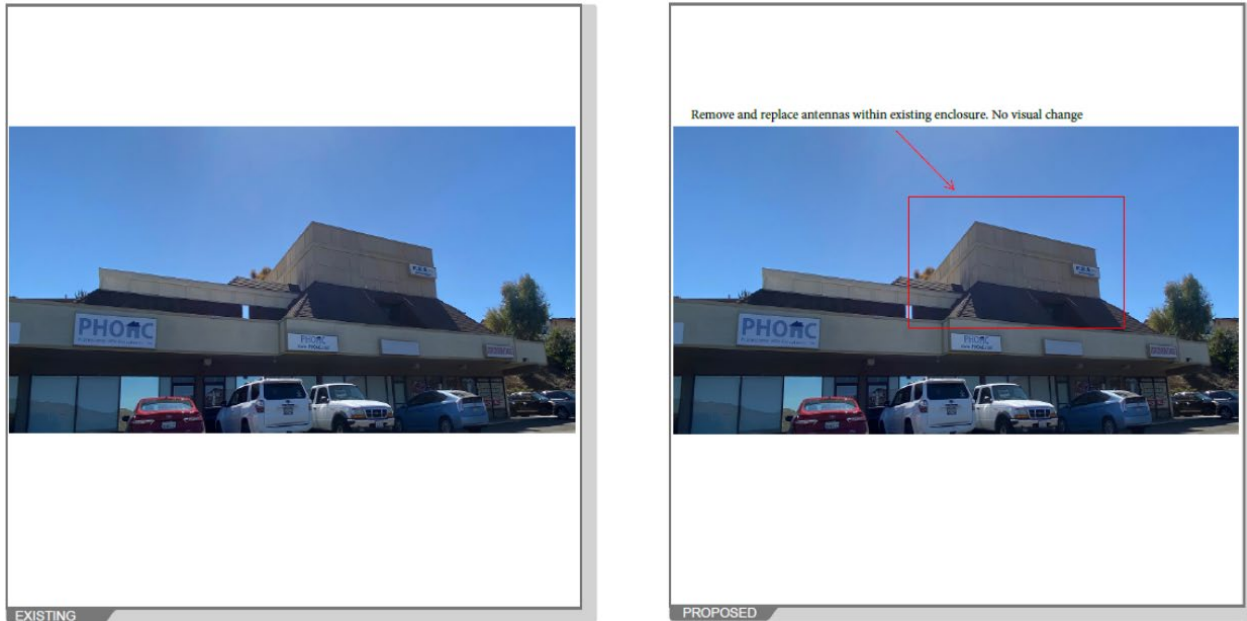


Figure 2: View of WCF looking South

WCFs are permitted in all zones Citywide with the appropriate permit process. 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. The most preferred locations being Preference 1 which are generally non-residential uses/zones and are permitted ministerially and the least preferred locations are residential uses in residential zones and are Preference 4, requiring a Process Four approval. This Project is located in the CN-1-2 zone which is a Preference 1, the most preferred location, according to the Council Policy.

The previous approvals for this site include Site Development Permit No. 908298 and Planned Development Permit No. 908299 approved by Development service on December 8, 2011, and expired on December 8, 2021. The purpose and intent of an expiration date is to allow the City to analyze the WCF design with the current surrounding development in addition to upgrading the WCFs to address any advancements in designs and innovations. To continue use of the WCF, this new application was created on March 16, 2022. The Project's permit will include a 10-year expiration date.

Pursuant to San Diego Municipal Code (SDMC) 143.0402, the Project as designed requires a Process Four PDP, Planning Commission decision as the Project requires a deviation to the maximum building height. Mission Trails Design District SDMC 132.1201 requires a Site Development Permit, Process Three, when development of new structures, alteration of existing structures, or grading. Even though the Project is in the Mission Trails Design District, a Site Development Permit is not required for interior or exterior repair or modifications. The existing building envelope and existing Fiberglass Reinforced Plastic (FRP) are to remain the same with no new modifications and with no visual changes. No alterations are being done to the exterior and the six (6) antennas that are being

replaced are all behind the existing FRP enclosure concealed from view.

The Telecommunication Act of 1996 preempts local governments from regulating the "placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions." A Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report dated February 2, 2022, from EBI Consulting was submitted to the City verifying that the proposed Project is in compliance with FCC regulations upon proper installation of recommended signage and/or barriers. The report will be stamped as Exhibit "A" and provided within the project file.

Community Plan Analysis:

The Navajo Community Plan does not address communication antennas as a specific land use. However, the City of San Diego's General Plan ([UD-A.15](#)) requires that the visual impact of wireless facilities be minimized by concealing them inside existing structures or using screening techniques to hide or blend them into the surrounding area. The plan also calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, the plan states that equipment associated with wireless facilities shall be concealed from view. Pursuant to the San Diego Land Development Code (SDMC) (Section 141.0420), communication antennas are permitted in all zones citywide with the appropriate permit process. Wireless communication facilities are separately regulated uses, which have limitations or require compliance with conditions in order to minimize potential impacts. The intent of the regulations is, among other things, to camouflage facilities from public view.

Project-Related Issues:

Deviation- An applicant may request deviations from the applicable development regulations with a Planned Development Permit decided in accordance with Process Four, provided that the findings in [SDMC Section 126.0605](#) are made. The following Table 1 is a matrix of the proposed deviation, which is followed by the justifications for the deviations:

DEVIATIONS SUMMARY			
Table 1			
Deviation Description	Deviation from SDMC	Allowed/Required	Proposed
Max building height	SDMC Section 126.0605	30-feet	The existing rooftop enclosure is 30'-2" high.

Justification- The maximum building height in the CN-1-2 zone is 30-feet and the WCF FRP height is at 30'-2". The FRP enclosure is significant as it screens the antennas and camouflages the facility. The

screens will remain unchanged and there will be no visual change to the building. The WCF has been designed in a way that is architecturally integrated with the building and have camouflages the antennas.

The existing WCF provides critical voice and data service throughout the surrounding area. Continued operation of this site is necessary to maintain the existing levels of service to the area for AT&T. The site is an integral part of telecommunication networks, as the site's operation is closely coordinated with other sites in the area. Coverage maps demonstrate the existing coverage provided on the property and the predicted loss of coverage without the continuing of the WCF (Attachment 6). A degradation of the existing service could have a significant impact on customers and essential emergency communication services. The above deviation has been analyzed by staff and determined to be consistent with the goals and recommendations of the City of San Diego's General Plan (UD-A.15), the Mission Trails Design District, the Navajo Community Plan, and the purpose and intent of the Wireless Communication Facility Ordinance. The Project has been designed to integrate into the surrounding community and would not adversely impact the public's health or safety.

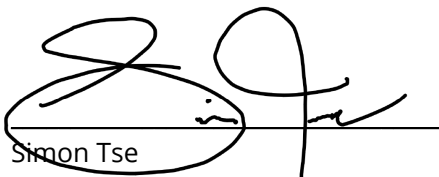
Conclusion:

The Project's design effectively integrates with the architecture of the surrounding community, meeting the purpose and intent of the Wireless Communication Ordinance ([SDMC 141.0420](#)), the [Wireless Design Guidelines](#) and [Council Policy 600-43](#). City staff has prepared draft findings in the affirmative to approve the Project and recommends approval of PDP No. 3144552 (Attachment 4 and 5).

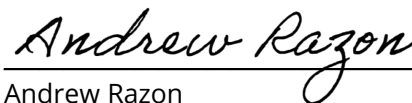
ALTERNATIVES

1. Approve PDP No. 3144552, with modifications; or
2. Deny PDP No. 3144552, if the Planning Commission makes written findings based on substantial evidence that the approval is not authorized by state or local zoning law.

Respectfully submitted,



Simon Tse
Supervising Development Project Manager
Development Services Department



Andrew Razon
Development Project Manager
Development Services Department

ST/AR

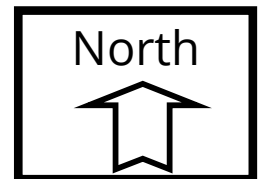
Attachments:

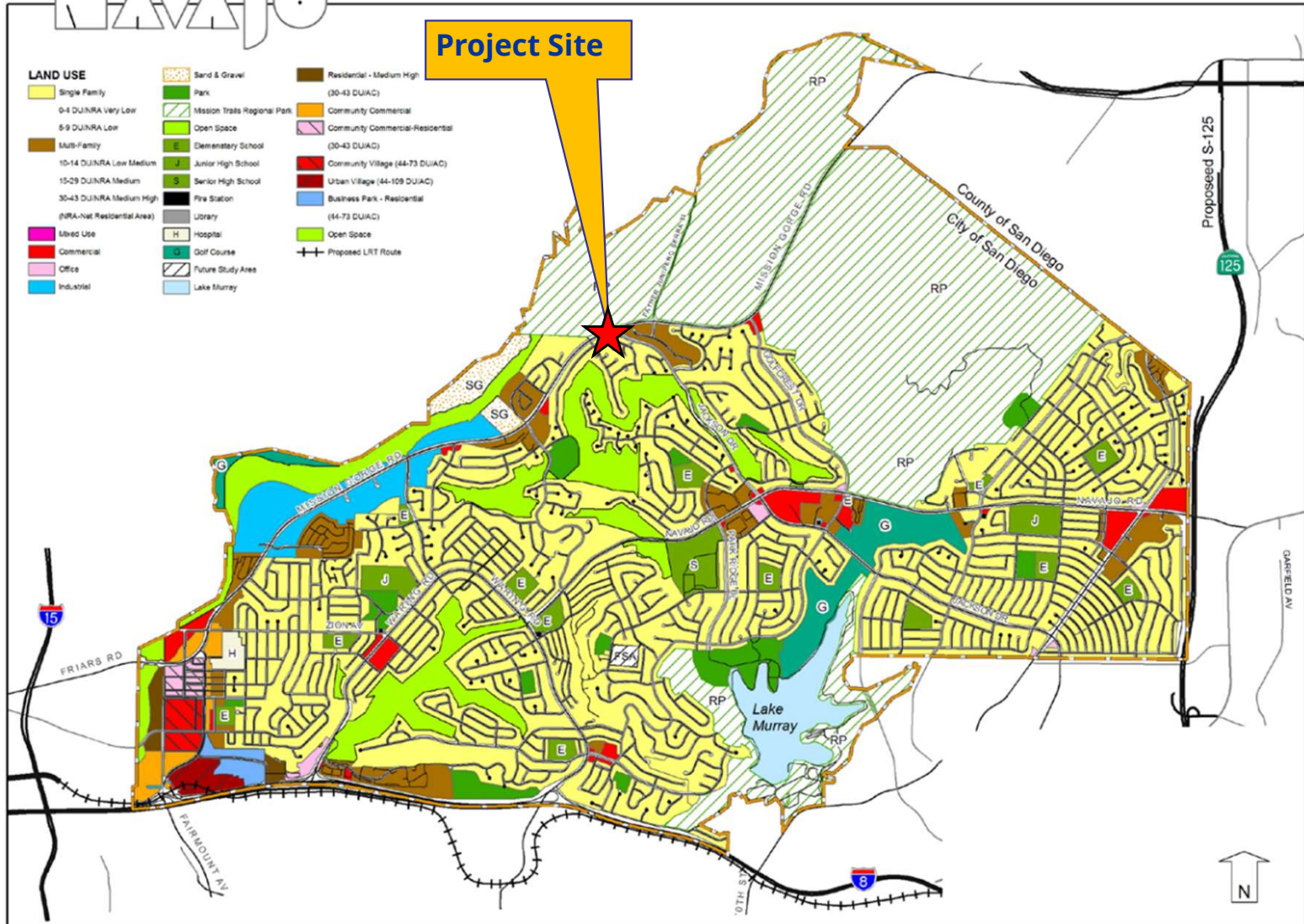
1. Aerial Photographs
2. Community Plan Land Use Map
3. Project Location Map
4. Draft Permit Resolution with Findings
5. Draft Permit with Conditions
6. Coverage Maps
7. Environmental Exemption
8. Ownership Disclosure Form
9. Community Planning Group Recommendation
10. Photo Survey
11. Photo Simulations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



Aerial Photograph

AT&T MISSION GORGE ROAD Project No. 1054374
8181 Mission Gorge Road





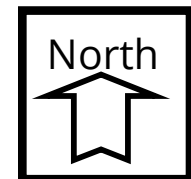
Navajo Community Land Use

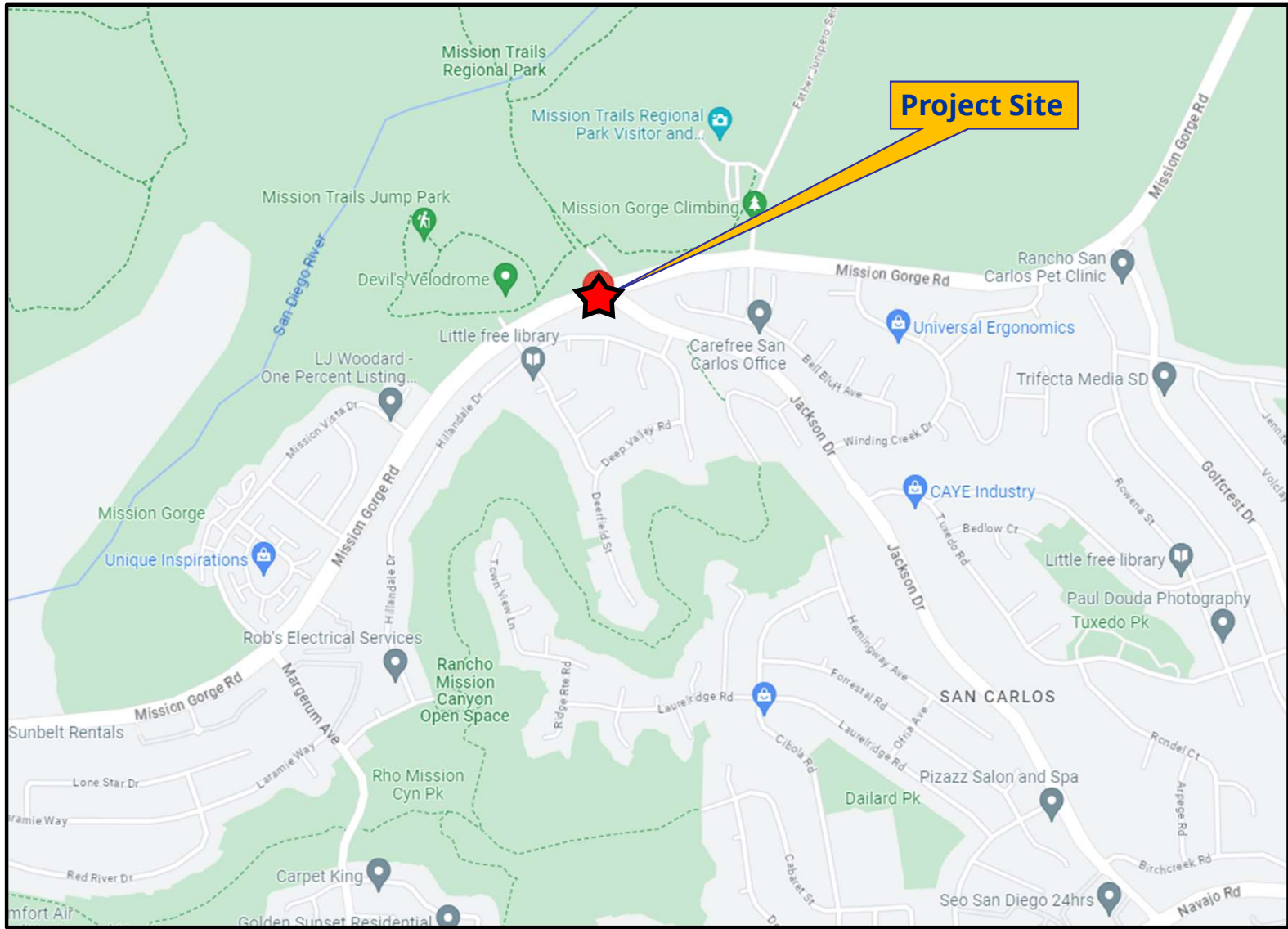
CITY OF SAN DIEGO • PLANNING DEPARTMENT



Navajo Community Land Use Map

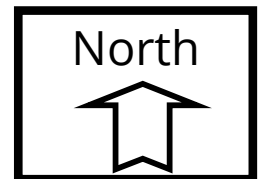
AT&T MISSION GORGE ROAD Project No. 1054374
8181 Mission Gorge Road





Project Location Map

AT&T MISSION GORGE ROAD Project No. 1054374
8181 Mission Gorge Road



PLANNING COMMISSION RESOLUTION NO. XXXX
PLANNED DEVELOPMENT PERMIT NO. 3144552
AT&T MISSION GORGE ROAD PROJECT NO. 1054374

WHEREAS, The Chun B. and Gloria Yim Family Trust, Owner, and AT&T MOBILITY, Permittee, filed an application with the City of San Diego for a permit for a Wireless Communication Facility (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No. 3144552);

WHEREAS, the project site is located at 8181 Mission Gorge Road in the CN-1-2 zone and is in the Mission Trails Design District within the Navajo Community Plan area;

WHEREAS, the project site is legally described as Lot 119 of Rancho San Carlos Unit No. 4, in the City of San Diego, County of San Diego, State of California, according to Map thereof No. 6959, filed in the Office of the County Recorder of San Diego County, June 9, 1971;

WHEREAS, on June 22, 2023, the City of San Diego, as Lead Agency, through the Development Services Department, made and issued an Environmental Determination that the project is exempt from the California Environmental Quality Act (CEQA) (Public Resources Code Section 21000 et seq.) under CEQA Guideline Section 15302 (Replacement or Reconstruction) and there was no appeal of the Environmental Determination filed within the time period provided by San Diego Municipal Code Section 112.0520;

WHEREAS, on November 2, 2023, the Planning Commission of the City of San Diego considered Planned Development Permit (PDP) No. 3144552 pursuant to the Land Development Code of the City of San Diego;

BE IT RESOLVED by the Planning Commission of the City of San Diego, that it adopts the following findings with respect to PDP No. 3144552:

A. PLANNED DEVELOPMENT PERMIT [SDMC Section 126.0605]

1. **Findings for all PDP:**

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

The AT&T Mission Gorge Road (Project) proposes the continued use of a Wireless Communication Facility (WCF) by AT&T. The project consists of replacing six (6) panel antennas and retaining six (6) existing panel antennas with a total of twelve (12) antennas (four per sector). The project also retains nine (9) existing Remote Radio Units (RRUs) (three per sector) and consists of auxiliary equipment located in a 183-square-foot enclosure located on the ground level.

The Navajo Community Plan does not address communication antennas as a specific land use. However, the City of San Diego's General Plan (UD-15) requires that the visual impact of wireless facilities be minimized by concealing them inside existing structures or using screening techniques to hide or blend them into the surrounding area. The plan also calls for these facilities to be designed to be aesthetically pleasing and respectful of the neighborhood context. Furthermore, the plan states that equipment associated with wireless facilities shall be concealed from view.

Pursuant to the San Diego Municipal Code (SDMC) (Section 141.0420), WCFs are permitted in all zones citywide with the appropriate permit process. Wireless communication facilities are separately regulated uses, which have limitations or require compliance with conditions in order to minimize potential impacts. The intent of the regulations is to camouflage facilities from public view. Here, the rooftop antennas are screened and well-integrated with the existing architecture of the building and any potential visual impacts will be minimized.

In accordance with SDMC Section 143.0402, deviations from applicable zoning regulations require a Planned Development Permit (PDP). The maximum building height in the CN-1-2 zone is 30-feet. The existing rooftop enclosure is 30'-2" high. The enclosure is significant to screen the antennas and camouflage the facility. The screens will remain unchanged and there will be no visual change to the building. The project has been designed in a way that is architecturally integrated with the building and have camouflaged the antennas to be less viable. Per SDMC Section 132.1202 (b) and Table 132-12A (1), a Site Development Permit is not required for an interior or exterior repair or modifications in the Mission Trails Design District.

As a result, the design of the WCF is consistent with the San Diego Municipal Code and General Plan. WCFs are permitted in all zones citywide with the appropriate permit process. The antennas, RRUs and the auxiliary equipment are concealed behind existing Fiberglass Reinforced Plastic (FRP) which is located on top of the building as a existing building extension. The project has been designed in a way that is architecturally integrated with the building and has camouflaged the antennas to be concealed from view. The project compiles with SDMC Section 141.0420, the WCF Design Guidelines, as well as the City's General Plan. The proposed development would not adversely affect the Mission Trails Design District, the Navajo Community

Plan, or the City of San Diego General Plan and Progress Guide. Therefore, the proposed development will not adversely affect the applicable land use plan.

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

The project was determined to be exempt from CEQA pursuant to Section 15302 (Replacement or Reconstruction). The conditions of approval for the project will require compliance with several operational constraints and development controls intended to assure the continued public health, safety and welfare to include but not limited to height limitation, concealment requirements, and electromagnetic fields controls. All proposed improvement plans associated with the project will be reviewed prior to issuance of construction permits and inspected during construction to assure the project will meet or exceed all relevant and applicable building, electrical, mechanical, plumbing and fire codes.

The previous approvals for this site include Site Development Permit No. 908298 and Planned Development Permit No. 908299 approved by Development service on December 8, 2011. The WCF provides critical voice and data service throughout the surrounding area. Continued operation of this site is necessary to maintain the existing levels of service to the area for AT&T. The site is an integral part of telecommunication networks, as the site's operation is closely coordinated with other sites in the area. Coverage maps demonstrate the existing coverage provided on the property and the predicted loss of coverage without the continuation of the WCF. A degradation of the existing service could have a significant impact on customers and essential emergency communication services.

The Telecommunication Act of 1996 preempts local governments from regulating the "placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions." A Radio Frequency - Electromagnetic Energy (RF-EME) Compliance Report dated February 2, 2022, from EBI Consulting was submitted to the City verifying that the proposed Project is in compliance with FCC regulations upon proper installation of recommended signage and/or barriers. The Report will be stamped as Exhibit "A" and provided within the project file. Therefore, the proposed development will not be detrimental to the public health, safety, and welfare.

c. The proposed development will comply with the regulations of the Land Development Code including any 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 proposes the continued use of the AT&T WCF. The project complies with the City of San Diego WCF Regulations (SDMC Section 141.0420) and applicable development regulations of the CN-1-2 Zone.

Deviations to the SDMC may be processed through a PDP in accordance with SDMC 126.0601. The purpose of the PDP 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.

SDMC Section 143.0402, deviations from applicable zoning regulations require a Planned Development Permit (PDP). The maximum building height in zone CN-1-2 is 30-feet. The existing rooftop enclosure is 30'-2" high. The enclosure is significant to screen the antennas and camouflage the facility. The screens will remain unchanged and there will be no visual change to the building. Based on these considerations, this project complies with the permit and design requirements for WCF's as identified in the SDMC. Therefore, the proposed development will comply with the regulations of the Land Development Code including any proposed deviations pursuant to SDMC 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 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. 3144552 is hereby GRANTED by the Planning Commission to the referenced Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit Nos. 3144552, a copy of which is attached hereto and made a part hereof.

Andrew Razon
Development Project Manager
Development Services

Adopted on: November 2, 2023

IO#: 11003679

DRAFT

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

WHEN RECORDED MAIL TO
PROJECT MANAGEMENT
PERMIT CLERK
MAIL STATION 501

INTERNAL ORDER NUMBER: 11003679

SPACE ABOVE THIS LINE FOR RECORDER'S USE

PLANNED DEVELOPMENT PERMIT NO. 3144552
AT&T MISSION GORGE ROAD PROJECT NO. 1054374
PLANNING COMMISSION

This Planned Development Permit (PDP) No. 3144552 is granted by the Planning Commission of the City of San Diego to The Chun B. and Gloria Yim Family Trust, Owner, and AT&T Mobility, Permittee, pursuant to San Diego Municipal Code [SDMC] sections 126.0602(b)(1), 132.1201, 141.0420 and 143.0402. The site is located at 8181 Mission Gorge Road in the CN-1-2 zone within the Mission Trails Design District and the Navajo Community Plan area. The project site is legally described as Lot 119 of Rancho San Carlos Unit No. 4 in the City of San Diego, County of San Diego, State of California, according to Map thereof No. 6959, filed in the Office of the County Recorder of San Diego County, June 9, 1971.

Subject to the terms and conditions set forth in this Permit, permission is granted to Owner and Permittee for a Wireless Communication Facility (WCF) described and identified by size, dimension, quantity, type, and location on the approved exhibits [Exhibit "A"] dated November 2, 2023, on file in the Development Services Department.

The project shall include:

- a. A WCF consists of replacing six (6) panel antennas 30.6" x 15.9" x 10.6" and 28.0" x 15.7" x 6.7" and retaining six (6) existing panel antennas with a total of twelve (12) antennas (four per sector). The project also retains nine (9) existing Remote Radio Units (RRUs) (three per sector); and
- b. Associated auxiliary equipment located in a 183-square-foot enclosure located on the ground level; and
- c. Public and private accessory improvements determined by the Development Services Department to be consistent with the land use and development standards for this site in accordance with the adopted community plan, the California Environmental Quality Act [CEQA] and the CEQA Guidelines, the City Engineer's requirements, zoning regulations, conditions of this Permit, and any other applicable regulations of the SDMC.

STANDARD REQUIREMENTS:

1. This Permit must be utilized within thirty-six (36) months after the date on which all rights of appeal have expired. If this permit is not utilized in accordance with Chapter 12, Article 6, Division 1 of the SDMC within the 36-month period, this permit shall be void unless an Extension of Time has been granted. Any such Extension of Time must meet all SDMC requirements and applicable guidelines in effect at the time the extension is considered by the appropriate decision maker. This permit must be utilized by November 16, 2026.
2. No later than ninety (90) days prior to the expiration of this approval, the Permittees may submit a new application to the Development Services Department for consideration with review and a decision by the appropriate decision maker at that time. Failure to submit prior to the deadline will be cause for enforcement for noncompliance, which may include penalties and fines.
3. This Planned Development Permit and corresponding use of this site shall expire on **November 2, 2033**. Upon expiration of this Permit, the facilities and improvements described herein shall be removed from this site and the property shall be restored to its original condition preceding approval of this Permit.
4. Under no circumstances, does approval of this permit authorize the Owner/Permittee to utilize this site for WCF purposes beyond the permit expiration date. Use of this permit approval beyond the expiration date of this permit is prohibited.
5. No permit for the construction, occupancy, or operation of any facility or improvement described herein shall be granted, nor shall any activity authorized by this Permit be conducted on the premises until:
 - a. The Owner/Permittee signs and returns the Permit to the Development Services Department; and
 - b. The Permit is recorded in the Office of the San Diego County Recorder.
6. While this Permit is in effect, the subject property shall be used only for the purposes and under the terms and conditions set forth in this Permit unless otherwise authorized by the appropriate City decision maker.
7. This Permit is a covenant running with the subject property and all of the requirements and conditions of this Permit and related documents shall be binding upon the Owner/Permittee and any successor(s) in interest.
8. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.

9. Issuance of this Permit by the City of San Diego does not authorize the Owner/Permittee for this Permit to violate any Federal, State or City laws, ordinances, regulations or policies including, but not limited to, the Endangered Species Act of 1973 [ESA] and any amendments thereto (16 U.S.C. § 1531 et seq.).

10. The Owner/Permittee shall secure all necessary building permits. The Owner/Permittee is informed that to secure these permits, substantial building modifications and site improvements may be required to comply with applicable building, fire, mechanical, and plumbing codes, and State and Federal disability access laws.

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

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

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

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

LANDSCAPE REQUIREMENTS:

14. The Owner/Permittee shall be responsible for the maintenance of all landscape improvements shown on the approved plans, including in the right-of-way, unless long-term maintenance of said landscaping will be the responsibility of another entity approved by the Development Services Department. All required landscape shall be maintained consistent with the Landscape Standards in a disease, weed, and litter free condition at all times. Severe pruning or "topping" of trees is not permitted.

15. If any required landscape (including existing or new plantings, hardscape, landscape features, etc.) indicated on the approved construction documents is damaged or removed, the Owner/Permittee shall repair and/or replace in kind and equivalent size per the approved documents to the satisfaction of the Development Services Department within 30 days of damage or Certificate of Occupancy.

WCF-TELECOM REQUIREMENTS:

16. Every aspect of this project is considered an element of concealment including but not limited to the dimensions, bulk and scale, color, materials, and texture. Any future modifications to this permit must not defeat concealment.

17. Fiberglass-Reinforced Plastic (FRP) panels should be textured and painted to match adjacent building faces at all times. Paint and texture should match completely.

18. There should be no noticeable transitions between FRP and adjacent surfaces at any time, be they paint, texture, or seam.

19. If concealed within a parapet, top, sides and rear of antennas and associated components should also be enclosed or otherwise screened from view. At no time should any WCF component be visible, be it antenna, mounting apparatus, cabling, or equipment.

20. No overhead cabling is permitted.

21. The WCF shall conform to the approved construction plans.

22. Photo simulations shall be printed in color on the construction plans.

23. The City may require the Owner/Permittee to provide a topographical survey conforming to the provisions of the SDMC may be required if the City determines during construction, that there may be a conflict between the building(s) under construction and a condition of this Permit or a regulation of the underlying zone. The cost of any such survey shall be borne by the Owner/Permittee.

24. The Owner/Permittee shall install and maintain appropriate warning signage and barriers on the WCF as required by State and Federal regulations. The Owner/Permittee shall be responsible for complying with all State and Federal regulations.
25. The accuracy and validity of the RF Compliance Report, submitted by the Permittee, shall be assured while the WCF is in operation. If requested by the City, the Owner/Permittees shall provide an updated RF Compliance Report to address any issues associated with the emitting components of the WCF.
26. All equipment, including transformers, emergency generators and air conditioners belonging to the Owner/Permittee shall be designed and operated consistent with the City noise ordinance. Ventilation openings shall be baffled and directed away from residential areas. Vibration resonance of operating equipment in the equipment enclosures shall be eliminated.
27. All facilities and related equipment shall be maintained in good working order. Any damaged equipment shall be repaired or replaced within thirty (30) calendar days of notification by the City of San Diego.
28. The Owner/Permittee shall notify the City within 30 days of the sale or transfer of this site to any other provider or if the site is no longer operational, in which case, the removal and the restoration of this site to its original condition is required.
29. All private outdoor lighting shall be shaded and adjusted to fall on the same premises where such lights are located and in accordance with the applicable regulations in the San Diego Municipal Code.

INFORMATION ONLY:

- Please note that a Telecom Planning Inspection Issue will be placed on the project prior to Final Clearance from the City's Building Inspector to ensure compliance with the approved plans and associated conditions. Prior to calling for your Final Inspection from your building inspection official, please contact the Development Services Department Wireless Communication Facilities staff listed on City webpage, <https://www.sandiego.gov/development-services/codes-regulations/wireless-communication-facilities>, to schedule an inspection of the completed facility. Please schedule this administrative inspection at least five working days ahead of the requested Final Inspection date.
- The issuance of this development permit alone does not allow the immediate commencement or continued operation of the proposed use on site. The operation allowed by this discretionary permit may only begin or recommence after all conditions listed on this permit are fully completed and all required ministerial permits have been issued and received final inspection.

- Any party on whom fees, dedications, reservations, or other exactions have been imposed as conditions of approval of this permit, may protest the imposition within ninety days of the approval of this development permit by filing a written protest with the City Clerk pursuant to California Government Code-section 66020.
- This development may be subject to impact fees at the time of construction permit issuance.

APPROVED by the Planning Commission of the City of San Diego on November 2, 2023.

DRAFT

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT

Andrew Razon
Development Project Manager

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

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

The Chun B. and Gloria Yim Family Trust
Owner

By _____

NAME:

TITLE:

AT&T Mobility
Permittee

By _____

NAME:

TITLE:

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

CAL00538 Coverage plots

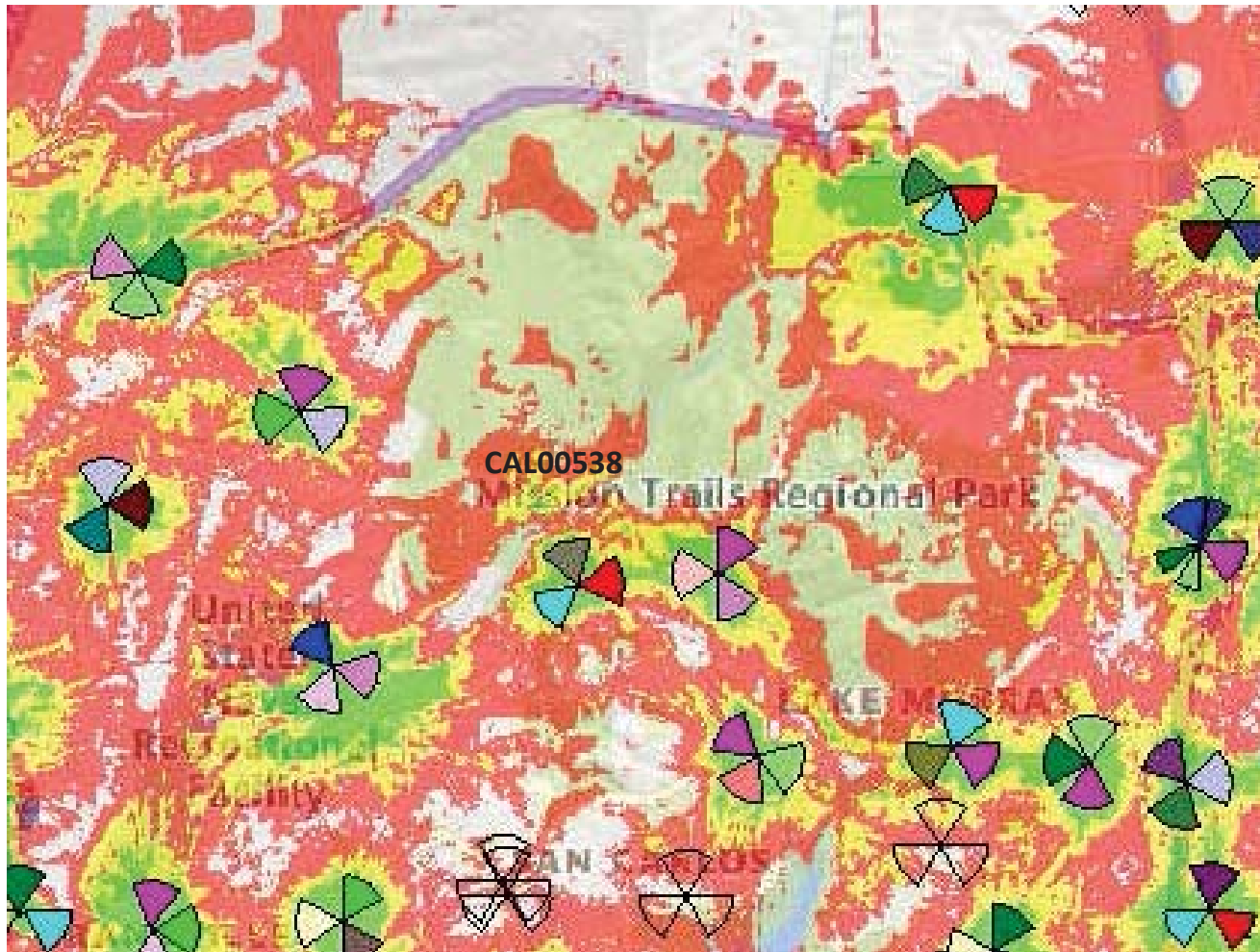
FA: 10086174

March 8th, 2022

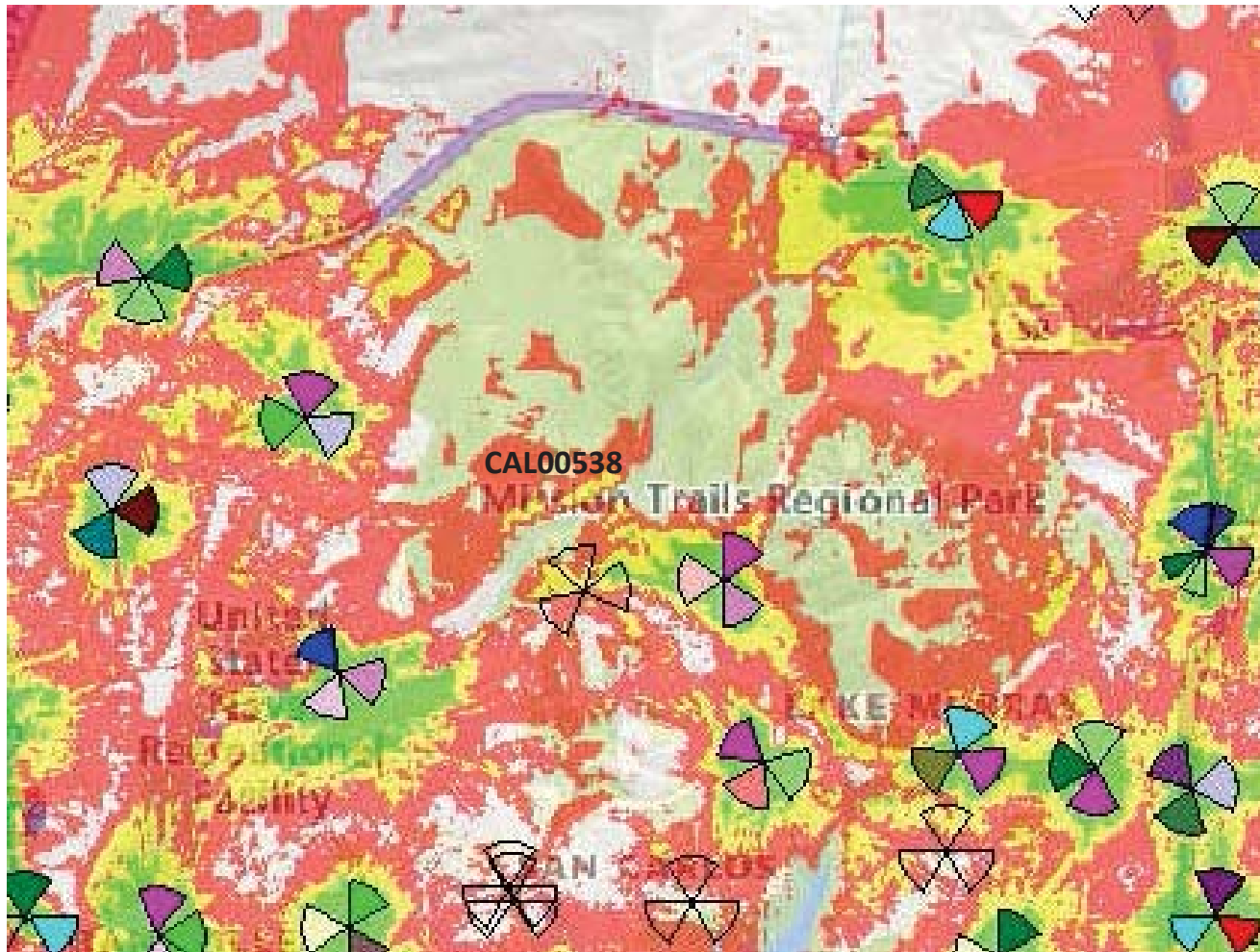
Jorge Melchor



Existing/proposed coverage With CAL00538



Coverage Without CAL00538



NOTICE OF EXEMPTION

(Check one or both)

TO: Recorder/County Clerk
P.O. Box 1750, MS A-33
1600 Pacific Hwy, Room 260
San Diego, CA 92101-2400

From: City of San Diego
Development Services Department
1222 First Avenue, MS 501
San Diego, CA 92101

Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

Project Name/Number: Mission Gorge Road WCF/1054374

SCH No.: Not Applicable

Project Location-Specific: 8181 Mission Gorge Road San Diego, CA 92120

Project Location-City/County: San Diego/San Diego

Description of nature and purpose of the Project: Site Development Permit (SDP) and a Planned Development Permit (PDP) for a modification to an existing wireless communication facility (WCF) including removal and replacement of 6 antennas, removal of 6 tower mounted amplifiers and installation of 6 remote radio units all within an existing enclosure. The project also proposes to remove and replace 30-linear feet of sidewalk fronting the WCF. The property is located at 8181 Mission Gorge Road in the CN-1-2 Commercial zone of the Navajo Community Planning area, and Council District 7. The WCF is unmanned and is not for human habitation.

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: Robert Polito/MD7 10590 West Ocean Air Drive, San Diego, CA 92130 858 291-1915

Exempt Status: (CHECK ONE)

- Ministerial (Sec. 21080(b)(1); 15268)
- Declared Emergency (Sec. 21080(b)(3); 15269(a))
- Emergency Project (Sec. 21080(b)(4); 15269 (b)(c))
- Categorical Exemption: Categorically exempt from CEQA pursuant to CEQA State Guidelines, Section 15302 (Replacement or Reconstruction)
- Statutory Exemptions:
- Other:

Reasons why project is exempt:

The City of San Diego conducted an environmental review and determined that the project would qualify to be categorically exempt from CEQA pursuant to Section 15302 (Replacement or Reconstruction). Section 15302 allows for the replacement or reconstruction of existing facilities involving negligible or no expansion of capacity. Since the project would be replacing existing equipment with new equipment at an existing WCF, the exemption was deemed appropriate. The project is located on a developed site and no environmental impacts would occur. Furthermore, none of the exceptions described in CEQA Guidelines Section 15300.2 apply.

Lead Agency Contact Person: Jeff Szymanski

Telephone: (619) 446-5324

If filed by applicant:

1. Attach certified document of exemption finding.
2. Has a notice of exemption been filed by the public agency approving the project? Yes No

It is hereby certified that the City of San Diego has determined the above activity to be exempt from CEQA

Jeff Szymanski Senior Planner
Signature/Title

August 8, 2023
Date

Check One:

- Signed By Lead Agency
 Signed by Applicant

Date Received for Filing with County Clerk or OPR:

	City of San Diego Development Services 1222 First Ave., MS 302 San Diego, CA 92101 (619) 446-5000	<h1>Ownership Disclosure Statement</h1>	FORM DS-318 October 2017
---	---	---	--

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

Project Title: _____ **Project No. For City Use Only:** _____

Project Address: _____

Specify Form of Ownership/Legal Status (please check):

Corporation Limited Liability -or- General – What State? _____ Corporate Identification No. _____
 Partnership Individual

By signing the Ownership Disclosure Statement, the owner(s) acknowledge that an application for a permit, map or other matter 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), applicant(s), and other financially interested persons of the above referenced property. A financially interested party includes any individual, firm, co-partnership, joint venture, association, social club, fraternal organization, corporation, estate, trust, receiver or syndicate with a financial interest in the application. If the applicant includes a corporation or partnership, include the names, titles, addresses of all individuals owning more than 10% of the shares. If a publicly-owned corporation, include the names, titles, and addresses of the corporate officers. (A separate page may be attached if necessary.) If any person is a nonprofit organization or a trust, list the names and addresses of **ANY** person serving as an officer or director of the nonprofit organization or as trustee or beneficiary of the nonprofit organization. A signature is required of at least one of the property owners. Attach additional pages if needed. Note: The applicant is responsible for notifying the Project Manager of any changes in ownership during the time the application is being processed or considered. Changes in ownership are to be given to the Project Manager at least thirty days prior to any public hearing on the subject property. Failure to provide accurate and current ownership information could result in a delay in the hearing process.

Property Owner

Name of Individual: _____ Owner Tenant/Lessee Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature: See attached LOA Date: _____

Additional pages Attached: Yes No


Applicant

Name of Individual: _____ Owner Tenant/Lessee Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature:  Date: _____

Additional pages Attached: Yes No

Other Financially Interested Persons

Name of Individual: _____ Owner Tenant/Lessee Successor Agency

Street Address: _____

City: _____ State: _____ Zip: _____

Phone No.: _____ Fax No.: _____ Email: _____

Signature: _____ Date: _____

Additional pages Attached: Yes No

Page 3	City of San Diego · Information Bulletin 620		August 2018
	City of San Diego Development Services 1222 First Ave., MS-302 San Diego, CA 92101		<h2 style="text-align: center;">Community Planning Committee Distribution Form</h2>
Project Name: AT&T Cell Site Modification PDP		Project Number: 1054374	
Community: Navajo			
<p style="text-align: center;">For project scope and contact information (project manager and applicant), log into OpenDSD at https://aca.accela.com/SANDIEGO.</p> <p style="text-align: center;">Select "Search for Project Status" and input the Project Number to access project information.</p>			
<input checked="" type="checkbox"/> Vote to Approve <input type="checkbox"/> Vote to Approve with Conditions Listed Below <input type="checkbox"/> Vote to Approve with Non-Binding Recommendations Listed Below <input type="checkbox"/> Vote to Deny		Date of Vote: June 08, 2022	
# of Members Yes 11	# of Members No 0	# of Members Abstain 0	
Conditions or Recommendations: N/A			
<input type="checkbox"/> No Action (Please specify, e.g., Need further information, Split vote, Lack of quorum, etc.)			
NAME: David Smith			
TITLE: Chair		DATE: June 13, 2022	
<p style="text-align: center;"><i>Attach additional pages if necessary (maximum 3 attachments).</i></p>			

Visit our web site at www.sandiego.gov/development-services.

Upon request, this information is available in alternative formats for persons with disabilities.

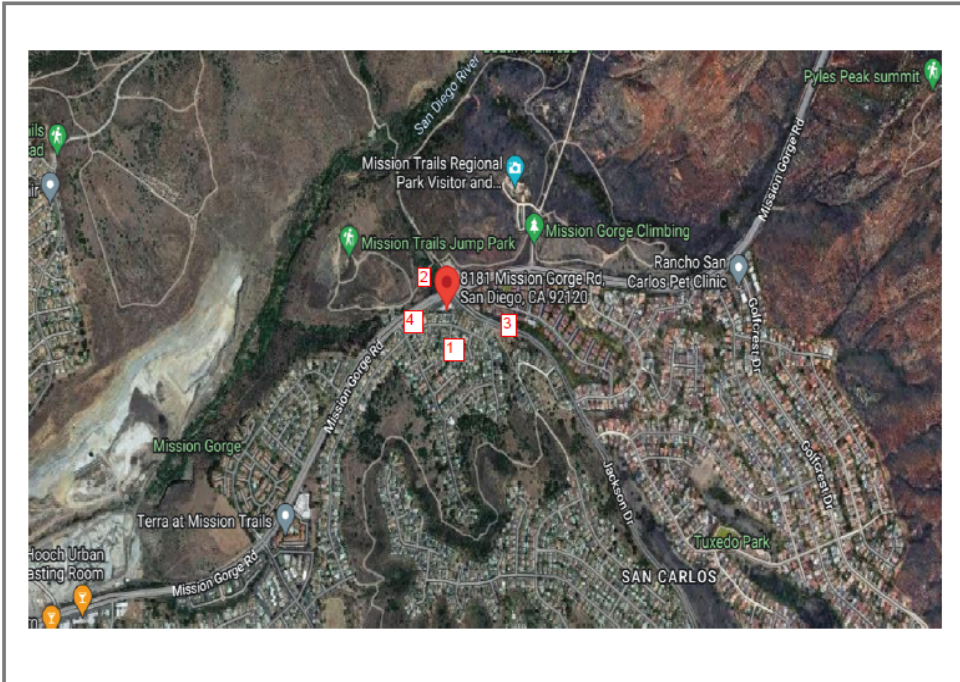
DS-5620 (08-18) ONLINE FORM

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

Key Map



©2022 Google Maps

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD

MD7

8181 Mission Gorge, San Diego, CA 92120

VIEW 1



SOUTH WEST

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD

MD7

8181 Mission Gorge, San Diego, CA 92120

VIEW 2



SOUTH EAST

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD

MD7

8181 Mission Gorge, San Diego, CA 92120

VIEW 3



ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 4



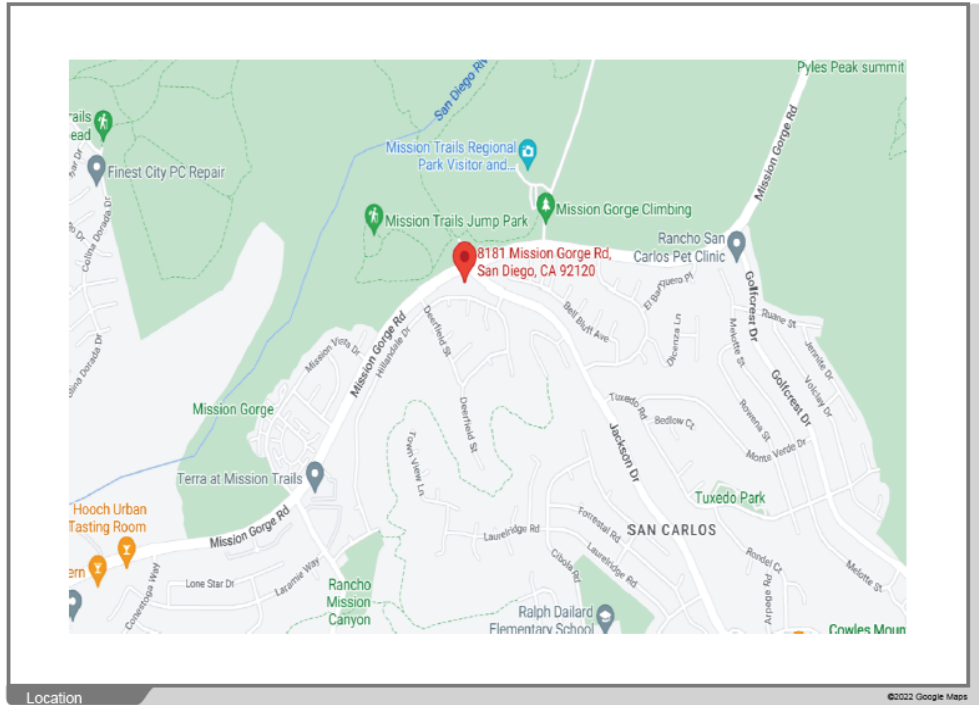
ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

Map



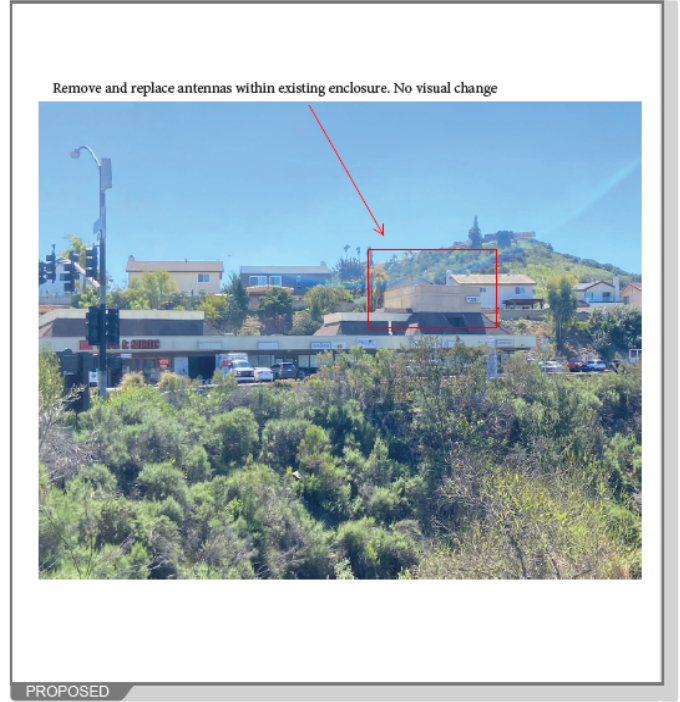
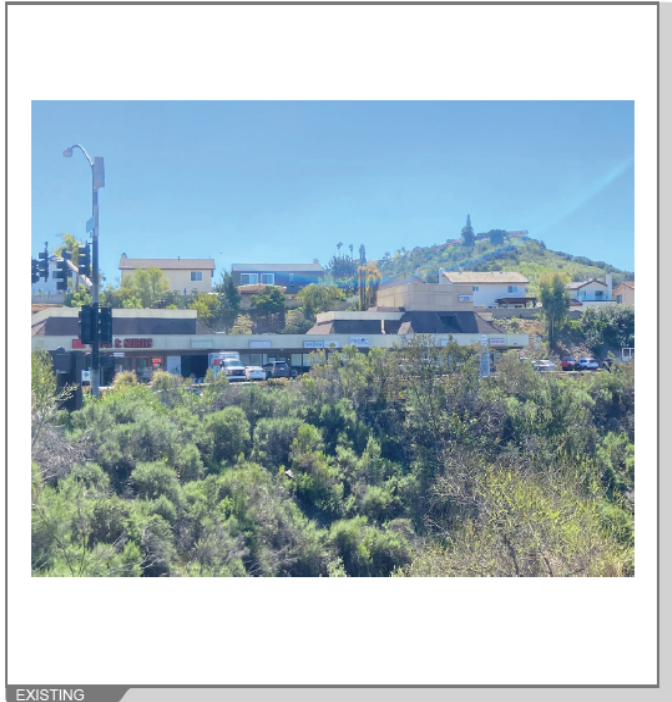
ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 1



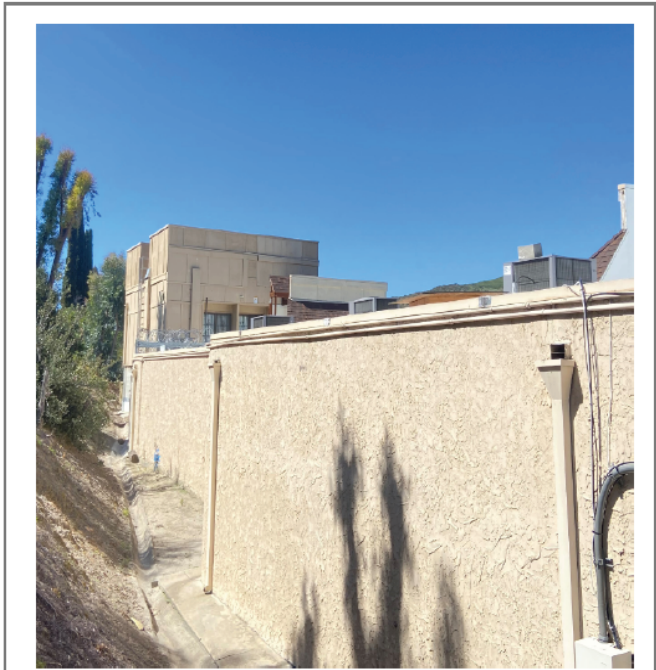
ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 2



EXISTING



PROPOSED

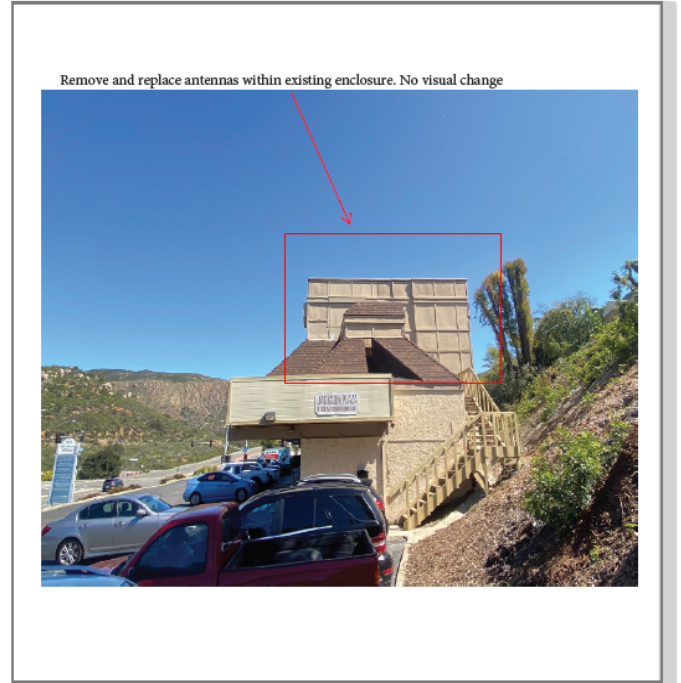
ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 3



ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 4



ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.



JACKSON DR & MISSION GORGE RD

SITE ID: SD0538

8181 MISSION GORGE RD
SAN DIEGO, CA 92120

FA: 10086174

5G NR 1SR CBAND

MRSDL039572/ MRSDL039563/ MRSDL037806/
MRSDL037423



10/17/2023 2:36:41 PM

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

3	10/12/23	REVISED PER CLIENT COMMENTS
2	03/07/23	JX COMMENTS
1	04/28/22	JX COMMENTS
0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL

Plans Prepared For:
MD7
10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130



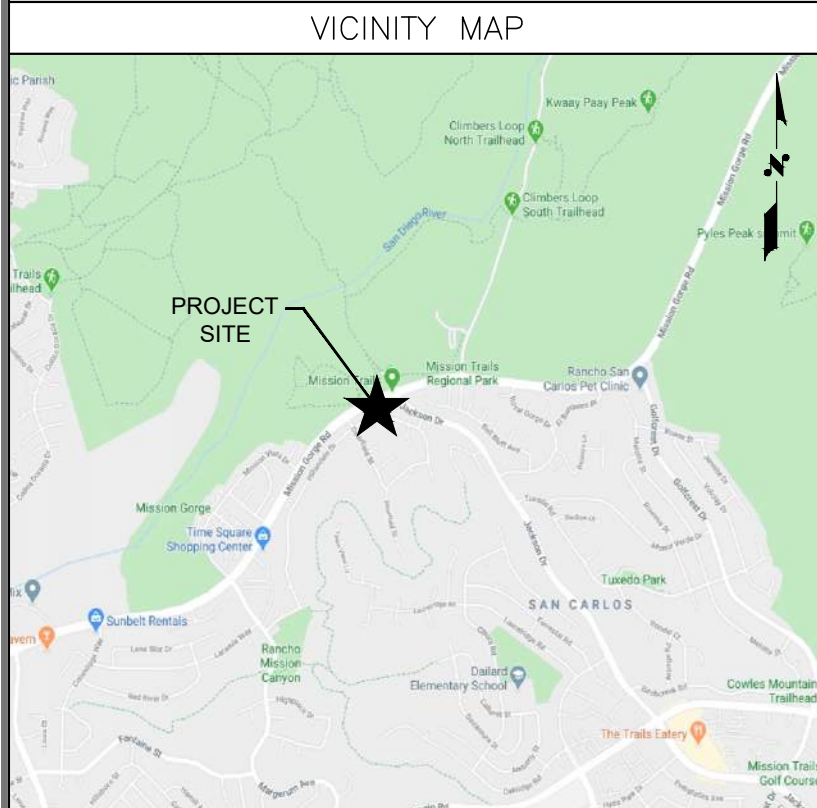
Plans Prepared By:
MH MORRISON HERSHFIELD
5100 S MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:
JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:
TITLE SHEET

Project No.: 220023600	Date: 12/02/21
Designer: SB	Checked By: SS
Drawn By: RR	Client Approval
PM Review: JR	
Issue No.: 3	TS01

SCALE IS BASE ON 22" X 34" D" SIZE



DRIVING DIRECTIONS

FROM AT&T OFFICE (7337 TRADE STREET, SAN DIEGO, CA 92121):
HEAD EAST ON TRADE ST. TURN LEFT ONTO TRADE PL. TURN RIGHT ONTO SILVERTON AVE. TURN RIGHT ONTO DOWDY DR. TAKE I-15 S TO MISSION GORGE RD. TURN LEFT ONTO MIRAMAR RD. USE THE RIGHT LANE TO TAKE THE RAMP ONTO I-15 S. KEEP LEFT AT THE Y JUNCTION TO STAY ON I-15 S. USE THE 2ND FROM THE RIGHT LANE TO TAKE EXIT 7 FOR FRIARS RD TOWARD QUALCOMM STADIUM. USE THE LEFT 2 LANES TO TURN LEFT ONTO FRIARS RD. CONTINUE ONTO MISSION GORGE RD. DESTINATION WILL BE ON THE RIGHT.

LEGAL DESCRIPTION

LOT 119 OF RANCHO SAN CARLOS UNIT NO. 4, MAP NO. 6959, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN PAGES 1-13, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY

SCOPE OF WORK

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING SITE. THE SCOPE WILL CONSIST OF THE FOLLOWING:

AT ROOF LEVEL:

- REMOVE (6) PANEL ANTENNAS
- REMOVE (6) TMAS
- RELOCATE (1) PANEL ANTENNA
- INSTALL (1) PIPE TO PIPE MOUNT
- INSTALL (1) P2SCH40 ±7'-0" LONG PIPE MOUNT
- INSTALL (3) AIR6449 ANTENNAS
- INSTALL (3) AIR6419 ANTENNAS
- INSTALL (1) 6-#6 AWG DC TRUNK FROM DC12 TO DC9 IN EACH SECTOR
- INSTALL (1) 2-#8 AWG DC CABLE FROM DC9 TO NEW AIR 6449 B77D & AIR6419 B77G ANTENNAS

AT GROUND LEVEL:

- DE-ENERGIZE (1) UMTS CABINET
- INSTALL (1) DC12 SURGE SUPPRESSOR
- INSTALL (2) UNISTRUTS
- INSTALL (3) EMERSON 2KW HE -48V EMERSON RECTIFIERS
- INSTALL (8) GNB MARATHON M12V155FT BATTERIES
- INSTALL OR RE-USE (6) 50A DC BREAKERS FOR NEW 6449 & 6419 ANTENNAS

NOTE:
ANY DAMAGED OR WARPING FRP WILL BE REPLACED WITH NEW FRP WITHOUT SEEMS BETWEEN EXISTING BUILDING AND NEW FRP.

EXISTING ANTENNA COUNT:	12
FINAL ANTENNA COUNT:	12
EXISTING RRU COUNT:	09
FINAL RRU COUNT:	09

PROPERTY SUMMARY

PROPERTY OWNER: YIM CHUM
555 N VULCAN AVE
ENCINITAS, CA 92024

PARCEL #: 4562800800

LATITUDE: 32° 48' 59.00"

LONGITUDE: -117° 03' 35.49"

ZONING JURISDICTION: CITY OF SAN DIEGO

ZONING CLASSIFICATION: CN-12

COUNTY: SAN DIEGO

GROUND ELEVATION: 313' AMSL

ANTENNA TOP HEIGHT: ±29'-9"

OCCUPANCY GROUP: B

CONSTRUCTION TYPE: V-B

POWER COMPANY: SDG&E

TELEPHONE COMPANY: AT&T

CONTACTS

APPLICANT:
AT&T WIRELESS
7337 TRADE STREET
SAN DIEGO, CA 92121

PROJECT MANAGER:
MD7
ROBERT POLITO
10590 W. OCEAN AIR DRIVE,
STE. 300, SAN DIEGO, CA 92130
858-291-1915
rpolito@md7.com

A&E CONTACT:
MORRISON HERSHFIELD CORP
JOSH REYNOLDS
1455 LINCOLN PKWY, SUITE 500
ATLANTA, GA 30346
770-379-8500
JReynolds@morrisonhershfield.com

ZONING / SITE ACQUISITION:
MD7
JUSTIN CAUSEY
10590 W OCEAN AIR DR 300
SAN DIEGO, CA 92130
858-291-1869
jcausey@md7.com

CONSTRUCTION:
AT&T WIRELESS
7337 TRADE STREET
SAN DIEGO, CA 92121

RF ENGINEER:
AT&T WIRELESS
ROBERT SCHNEIDER
SAN DIEGO, CA 92121
858-232-4564
rs0011@att.com

APPLICABLE CODES

- 2022 EDITION OF THE CALIFORNIA BUILDING CODE
- 2022 EDITION OF THE CALIFORNIA MECHANICAL CODE
- 2022 EDITION OF THE CALIFORNIA PLUMBING CODE
- 2022 EDITION OF THE CALIFORNIA ELECTRICAL CODE
- 2022 EDITION OF THE EXISTING BUILDING CODE
- 2022 EDITION OF THE CALIFORNIA FIRE CODE

APPROVALS

AT&T COMPLIANCE _____

AT&T RF ENGINEER _____

AT&T OPERATIONS _____

AT&T PM _____

CONSTRUCTION _____

SITE ACQUISITION _____

811
Know what's below.
Call before you dig.

NOTE:
48 HOURS PRIOR TO DIGGING,
CONTRACTOR TO NOTIFY ALL UTILITY
COMPANIES TO LOCATE ALL
UNDERGROUND UTILITIES

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION	REV. NO.
TS01	TITLE SHEET	3
GN01	GENERAL NOTES	0
GN02	GENERAL NOTES	0
GN03	GENERAL NOTES	0
GN04	PHOTOSIMS	1
GN05	PHOTOSIMS	1
GN06	PHOTOSIMS	1
GN07	PHOTOSIMS	1
GN08	PHOTOSIMS	3
CO1.0	SITE PLAN	3
AO1.0	ROOF PLAN	0
AO2.0	EQUIPMENT PLANS	1
AO3.0	EXISTING ANTENNA PLANS	0
AO3.1	PROPOSED ANTENNA PLANS	3
AO3.2	ANTENNA SCHEDULES	3
AO4.0	NORTHWEST ELEVATIONS	3
AO4.1	SOUTHWEST ELEVATIONS	3
AO4.2	NORTHEAST ELEVATIONS	3
AO4.3	SOUTHEAST ELEVATIONS	3
AO5.0	DETAILS	0
AO5.1	DETAILS	0
AO5.2	DETAILS	0
AO6.0	RF SIGNAL LOCATION PLAN	0
E01.0	ELECTRICAL DC ONE-LINE DIAGRAM	0
E01.1	ELECTRICAL AC ONE-LINE DIAGRAM & PANEL SCHEDULE	3
E02.0	GROUNDING DETAILS	0
E03.0	ELECTRICAL NOTES	0
E04.0	ELECTRICAL NOTES	0

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GENERAL CONSTRUCTION NOTES

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR – SEE PROJECT TEAM IN TITLE SHEET
SUBCONTRACTOR – CONTRACTOR (CONSTRUCTION)
OWNER – AT&T
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T 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 ENGINEER PRIOR TO THE COMMENCEMENT OF WORK. VERIFY WITH SITE OWNER IF A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE PROCEEDING WITH ANY CONSTRUCTION.
- 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 LAWS, 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 ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOWN 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 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 INSTALLATION SPACE FOR APPROVAL BY THE 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 CONFIRM TO ALL OSHA REQUIREMENTS AND AS PER CALIFORNIA BUILDING CODE CHAPTER 33 AS STATED IN THE ENTIRE CHAPTER.
- 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 EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
- SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE SUBCONTRACTOR SHALL PROTECT EXISTING 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 OT 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 EXISTING 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 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, AND D) TRENCHING & EXCAVATION.
 - ALL EXISTING 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 ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR 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 EXISTING 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 MODIFIED PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT MODIFIED 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 AT&T 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 AT&T MOBILITY 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 FIBER/POWER CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
 - NO NOISE, SMOKE, DUST, ODOR, OR VIBRATIONS WILL RESULT FROM THIS FACILITY.
 - NO LANDSCAPING IS PROPOSED AT THIS SITE.

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 EDMON).
- 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 EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING 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.
- EXISTING UTILITIES: DO NOT INTERRUPT EXISTING 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.

JURISDICTIONAL APPROVAL



10/17/2023 2:39:48 PM

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

No.	Date	Action
3	10/12/23	REVISED PER CLIENT COMMENTS
2	03/07/23	JX COMMENTS
1	04/28/22	JX COMMENTS
0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL

Plans Prepared For:
MD7
10590 WEST OCEAN AIR DRIVE
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JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:
GENERAL NOTES

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	GN01

SCALE IS BASE ON 22" X 34" D" SIZE

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G. PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.

PART 2 - PRODUCTS

- 2.1 SUITABLE BACKFILL: ASTM D2321 (CLASS I, II, III OR IVA) FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.2 NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE AGGREGATE. FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.
- 2.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) COARSE AGGREGATE FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL
- 2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95. FOR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED.
- 2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL-GRADED SAND MEETING THE GRADATION REQUIREMENTS OF ASTM D2487 (SE OR SW-SM).
- 2.6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940.
- 2.7 UNSUITABLE MATERIAL HIGH AND MODERATELY PLASTIC SILTS AND CLAYS (LL>45). MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION. AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER, TYPICAL THESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL.
- 2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL.
- 2.9 PLASTIC MARKING TAPE: SHALL BE ACID AND ALKALI RESISTANT POLYETHYLENE FILM SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES. 6 INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.


PART 3 - EXECUTION

- 3.1 GENERAL:
 - A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ANY TIME.
 - B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
 - C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
- 1. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
- 2. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS.
- 3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL.

- A. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
 - B. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE. OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
 - C. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
- 3.2 BACKFILL:
- A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
 - 1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES. ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS. AND UNSUITABLE MATERIALS.
 - 2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
 - 3. WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. DIE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS.
 - B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 698.
- 3.3 TRENCH EXCAVATION:
- A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
 - B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.
 - C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.
- 3.4 TRENCH BACKFILL:
- A. PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
 - B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
 - C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
 - D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
 - E. PROTECT CONDUIT FROM LATERAL MOVEMENT. IMPACT DAMAGE, OR UNBALANCED LOADING.
 - F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.

- G. 3.5 COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 698.
- 3.5 AGGREGATE ACCESS ROAD:
- A. CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL. ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.
 - B. THE ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.
 - C. AFTER PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500xi) SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.
 - 1. OVERLAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.
 - 2. TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.
 - 3. ALL OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET.
 - D. THE AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCH (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO COMPACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE FABRIC.
 - E. THE AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A PNEUMATIC-TIRED ROLLER, OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE TOP LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.
- 3.6 FINISH GRADING:
- A. PERFORM ALL GRADING TO PROVIDE POSITNE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
 - B. UTILIZE SATISFACTORY ALL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
 - C. ACHIEVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" - 3/4" CRUSHED STONE ON TOP SOIL STABILIZER FABRIC.
 - D. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.
- 3.7 ASPHALT PAVING ROAD:
- A. CHAPTER 630 - CALIFORNIA DEPARTMENT OF TRANSPORTATION FLEXIBLE PAVEMENT.
 - B. DESIGN GUIDE AND STANDARDS FOR ROADWAY REHABILITATION PROJECTS (DIB 79-03).




JURISDICTIONAL APPROVAL



10/17/2023 2:39:48 PM

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3	10/12/23	REVISED PER CLIENT COMMENTS
2	03/07/23	JX COMMENTS
1	04/28/22	JX COMMENTS
0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL

No.	Date	Action
Plans Prepared For:		
 10590 WEST OCEAN AIR DRIVE SUITE 300 SAN DIEGO, CA 92130		
Applicant:		
		
Plans Prepared By:		
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Project:		
JACKSON DR & MISSION GORGE RD SITE ID: SD0538 8181 MISSION GORGE RD SAN DIEGO, CA 92120 FA: 10086174		
Drawing Title:		
GENERAL NOTES		
Project No.:		
220023600		
Designer:	Date:	
SB	12/02/21	
Drawn By:	Checked By:	
RR	SS	
PM Review:	Client Approval	
JR		
Issue No.:		
0	GN02	

SCALE IS BASE ON 22" X 34" D" SIZE

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STORM WATER CONSTRUCTION BMP NOTES

1. ALL REQUIREMENTS OF THE CITY OF SAN DIEGO "STORM WATER STANDARDS MANUAL" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMPS AND, IF APPLICABLE, THE STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) FOR POST-CONSTRUCTION BMP.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM DRAIN INLET PROTECTION. INLET PROTECTION IN THE PUBLIC RIGHT-OF-WAY MUST BE TEMPORARILY REMOVED PRIOR TO A RAIN EVENT TO ENSURE NO FLOODING OCCURS AND REINSTALLED AFTER RAIN IS OVER.
3. ALL CONSTRUCTION BMPS SHALL BE INSTALLED AND PROPERLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
4. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING, AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED CONTACT PERSON CAN PROVIDE EROSION AND SEDIMENT CONTROL MEASURES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS AND SUPPLIERS ARE AWARE OF ALL STORM WATER BMPS AND IMPLEMENT SUCH MEASURES, FAILURE TO COMPLY WITH THE APPROVED SWPPP/WPCP WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, CIVIL PENALTIES, AND/OR STOP WORK NOTICES.
6. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT, DEBRIS, AND MUD ON AFFECTED AND ADJACENT STREET(S) AND WITHIN STORM DRAIN SYSTEM DUE TO CONSTRUCTION VEHICLES/EQUIPMENT AND CONSTRUCTION ACTIVITY AT THE END OF EACH WORKDAY.
7. THE CONTRACTOR SHALL PROTECT NEW AND EXISTING STORM WATER CONVEYANCE SYSTEMS FROM SEDIMENTATION, CONCRETE RINSE, OR OTHER CONSTRUCTION-RELATED DEBRIS AND DISCHARGES WITH THE APPROPRIATE BMPS THAT ARE ACCEPTABLE TO THE CITY RESIDENT ENGINEER AND AS INDICATED IN THE SWPPP/WPCP.
8. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CLEAR DEBRIS, SILT, AND MUD FROM ALL DITCHES AND SWALES PRIOR TO AND WITHIN 3 BUSINESS DAYS AFTER EACH RAIN EVENT OR PRIOR TO THE NEXT RAIN EVENT, WHICHEVER IS SOONER.
9. IF A NON-STORM WATER DISCHARGE LEAVES THE SITE, THE CONTRACTOR SHALL IMMEDIATELY STOP THE ACTIVITY AND REPAIR THE DAMAGES, THE CONTRACTOR SHALL NOTIFY THE CITY RESIDENT ENGINEER OF THE DISCHARGE, PRIOR TO RESUMING CONSTRUCTION ACTIVITY. ANY AND ALL WASTE MATERIAL, SEDIMENT, AND DEBRIS FROM EACH NON-STORM WATER DISCHARGE SHALL BE REMOVED FROM THE STORM DRAIN CONVEYANCE SYSTEM AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
10. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEPLOYMENT OF CONSTRUCTION BMPS WHEN RAIN IS IMMINENT.
11. THE CONTRACTOR SHALL RESTORE AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPS WORKING ORDER YEAR-ROUND.
12. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DUE TO UNFORESEEN CIRCUMSTANCES TO PREVENT NON-STORM WATER AND SEDIMENT-LADEN DISCHARGES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
14. ALL EROSION AND SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED SWPPP/WPCP SHALL BE INSTALLED AND MAINTAINED. ALL EROSION AND SEDIMENT CONTROLS FOR INTERIM CONDITIONS SHALL BE PROPERLY DOCUMENTED AND INSTALLED TO THE SATISFACTION OF THE CITY RESIDENT ENGINEER.

15. AS NECESSARY, THE CITY RESIDENT ENGINEER SHALL SCHEDULE MEETINGS FOR THE PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED CONTACT PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER, AND THE CITY RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION AND SEDIMENT CONTROL MEASURES AND OTHER BMPS RELATIVE TO ANTICIPATED CONSTRUCTION ACTIVITIES.
16. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CONDUCT VISUAL INSPECTIONS AND MAINTAIN ALL BMPS DAILY AND AS NEEDED. VISUAL INSPECTIONS AND MAINTENANCE OF ALL BMPS SHALL BE CONDUCTED BEFORE, DURING, AND AFTER EVERY RAIN EVENT AND EVERY 24 HOURS DURING ANY PROLONGED RAIN EVENT, THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL BMPS AS SOON AS POSSIBLE AS SAFETY ALLOWS.
17. CONSTRUCTION ENTRANCE AND EXIT AREA. TEMPORARY CONSTRUCTION ENTRANCE AND EXITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CASQA FACT SHEET TC-10 R CAL TRANS FACT SHEETTC-01 TO PREVENT TRACKING OF SEDIMENT AND OTHER POTENTIAL POLLUTANTS ONTO PAVED SURFACES AND TRAVELED WAYS. WIDTH SHALL BE 10' OR THE MINIMUM NECESSARY TO ACCOMMODATE VEHICLES AND EQUIPMENT WITHOUT BY-PASSING THE ENTRANCE, (A) NON-STORM WATER DISCHARGES SHALL BE EFFECTIVELY MANAGED PER THE SAN DIEGO MUNICIPAL CODE CHAPTER 4, ARTICLE 3, DIVISION 3 "STORM WATER MANAGEMENT AND DISCHARGE CONTROL"

JURISDICTIONAL APPROVAL



10/17/2023 2:39:48 PM

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

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2	03/07/23	JX COMMENTS
1	04/28/22	JX COMMENTS
0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

GENERAL NOTES

Project No.:

220023600

Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval

Issue No.:
0 GN03

SCALE IS BASE ON 22" X 34" D" SIZE

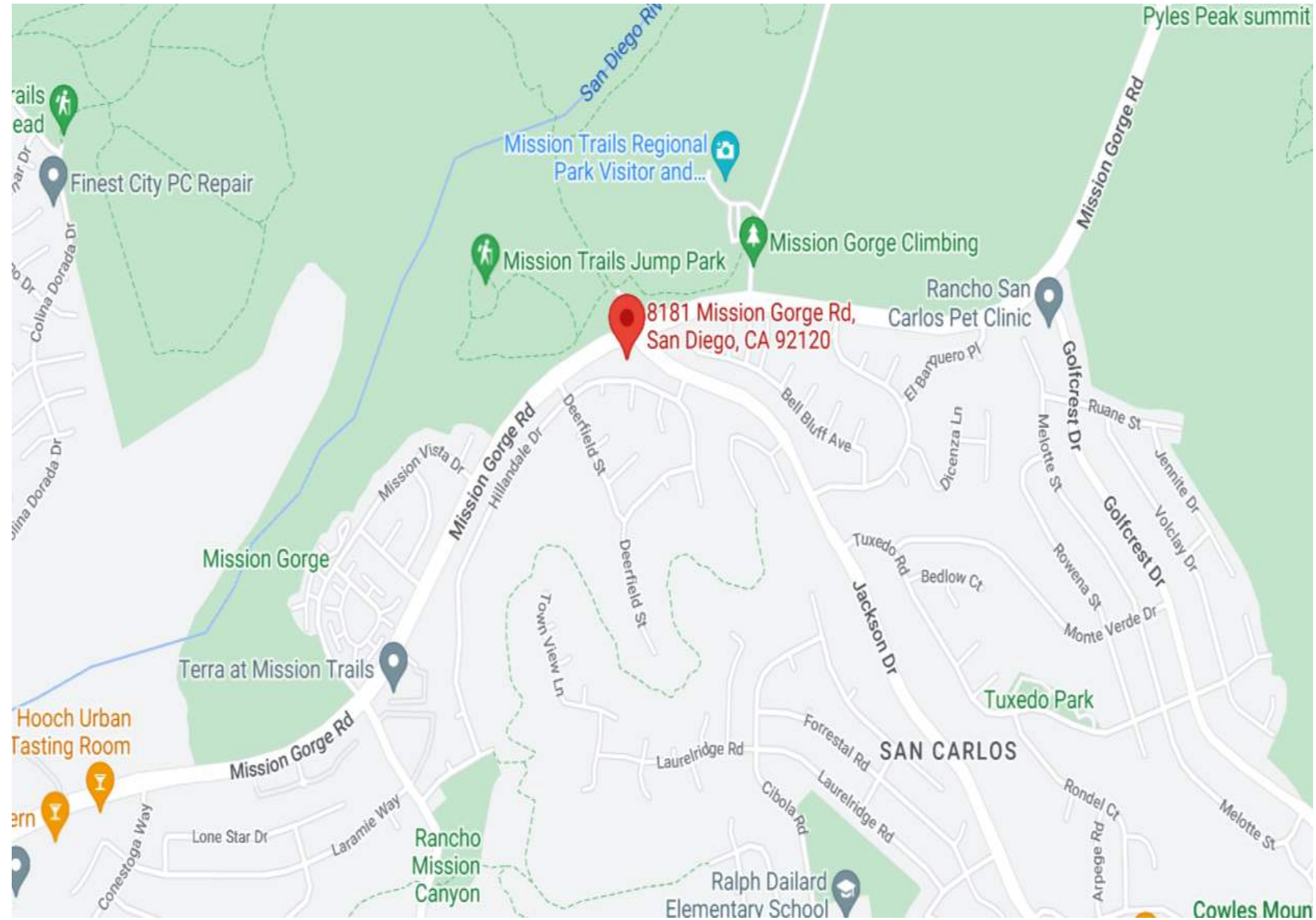
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AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

Map



Location

©2022 Google Maps

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 1



EXISTING

Remove and replace antennas within existing enclosure. No visual change



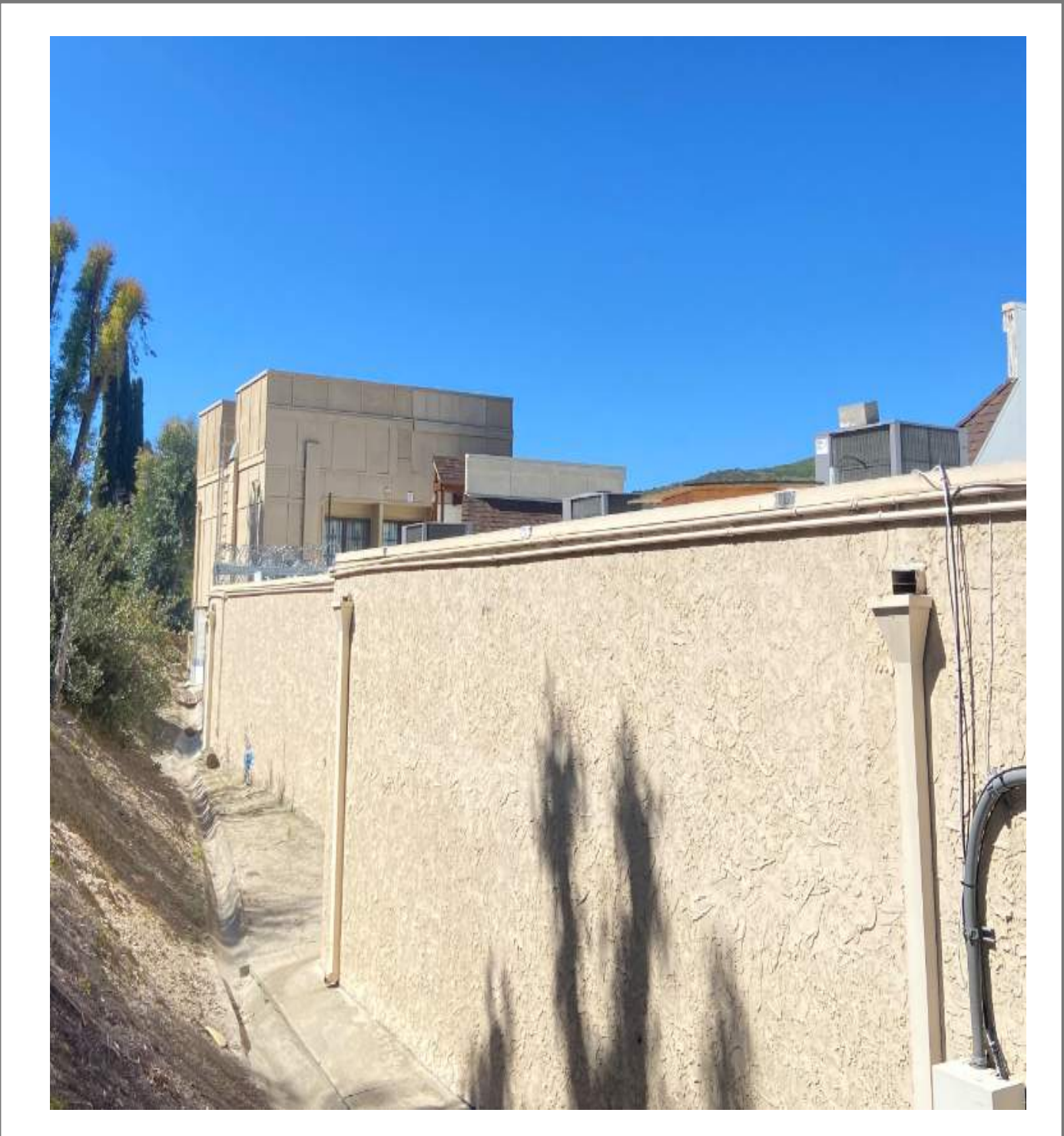
PROPOSED

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 2



EXISTING



PROPOSED

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 3



EXISTING



PROPOSED

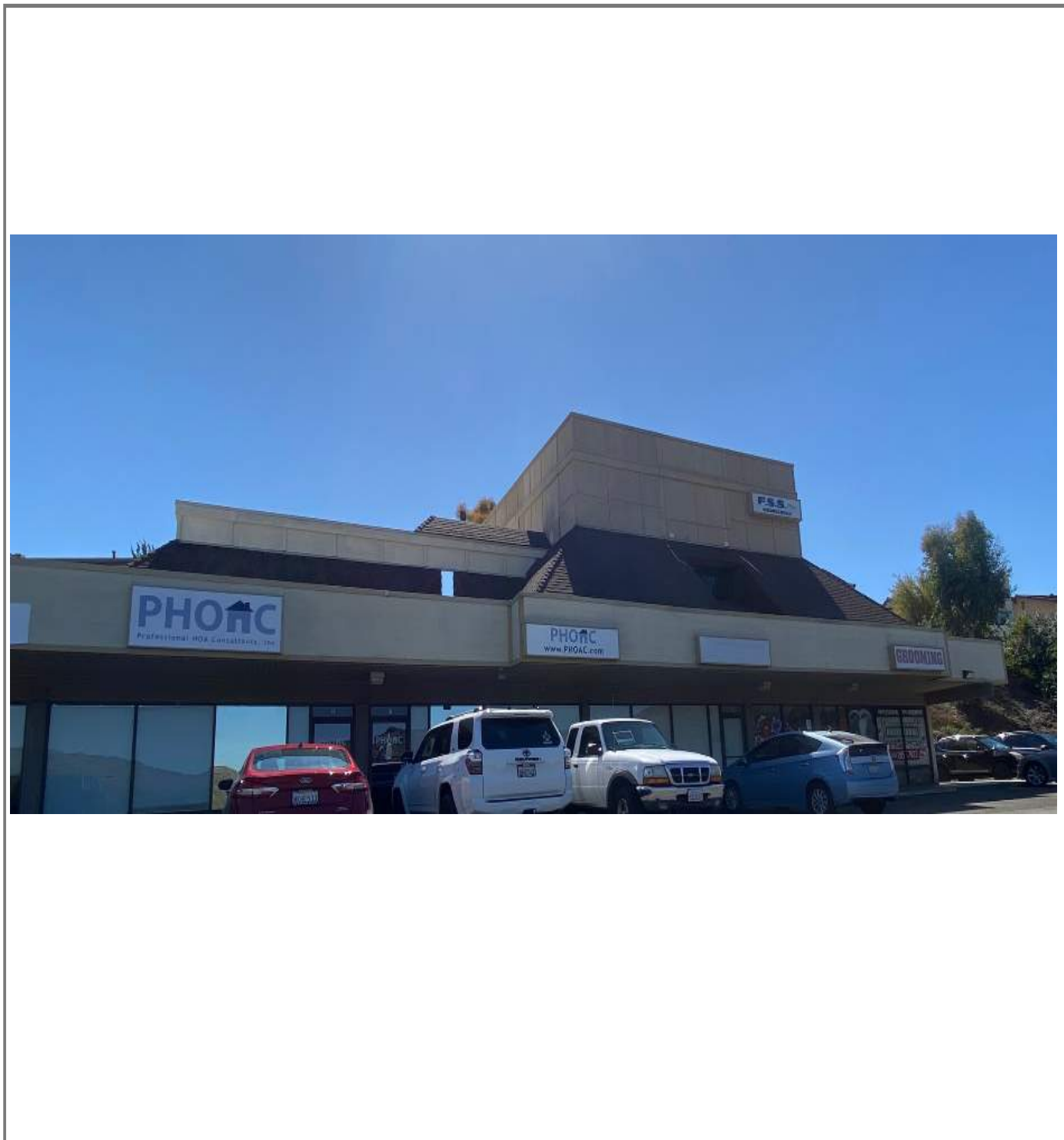
ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.

AT&T SD0538 JACKSON DR & MISSION GORGE RD



8181 Mission Gorge, San Diego, CA 92120

VIEW 4



EXISTING



PROPOSED

NOTE:
SIGNAGE SHOULD NOT BE VISIBLE BY THE GENERAL PUBLIC AND TO PLACE THESE TO COMPLY WITH RF REPORT WHILE MOUNTED IN INCONSPICUOUS PLACES.

MD7

February 23, 2022

To: MD7, LLC
 Taylor Clark, Land Use
 10590 W Ocean Air Drive, Suite 300
 San Diego, CA 92130
 (858) 900-9389
 TClark@md7.com

From: Yim Chun B/Yim Gloria
 555 N. Vulcan Ave.
 c/o Sierra M&I
 Encinitas, CA 92024-2120
 (858) 900-9389

Re: Property Owner Letter of Authorization
 Site ID: SD0538
 Site Address: 8181 Mission Gorge, San Diego, CA, 92120
 Parcel ID: 456-280-08-00

Dear Sir or Madam:

This is to certify that I, Yim Chun, am the legal property owner of record, and hereby authorize MD7, LLC, as agent for AT&T Mobility, to file for necessary jurisdiction permits and the FAA required EMI evaluation to obtain the permit approvals for AT&T Mobility to make modifications to its existing cell site located at 8181 Mission Gorge, San Diego, CA 92120.

By: *Chun B. Yim*
 Property Owner Signature
 Chun B. Yim trustee
 Name and Title
 Feb 24, 2022
 Date
 958) 788-5115 / sierraopad@aol.com
 Phone Number / Email Address

10590 WEST OCEAN AIR DRIVE / SUITE 300 / SAN DIEGO, CA 92130

NOTE:
 MAINTENANCE: ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY OWNER. LANDSCAPE AND IRRIGATION AREAS IN THE PUBLIC RIGHT-OF-WAY SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE MAINTAINED FREE OF DEBRIS AND LITTER, AND ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION. DISEASED OR DEAD PLANT MATERIAL SHALL BE SATISFACTORILY TREATED OR REPLACED PER THE CONDITIONS OF THE PERMIT.

NOTE:
 MULCH: ALL REQUIRED PLANTING AREAS AND ALL EXPOSED SOIL AREAS WITHOUT VEGETATION SHALL BE COVERED WITH MULCH TO A MINIMUM DEPTH OF 3 INCHES, EXCLUDING SLOPES REQUIRING REVEGETATION PER SDMC 142.0411.

THIS IS NOT A SURVEY
 ALL INFORMATION AND TRUE NORTH HAVE BEEN OBTAINED FROM EXISTING DRAWINGS AND ARE APPROXIMATE.

JURISDICTIONAL APPROVAL



10/17/2023 2:39:48 PM

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MD7
 10590 WEST OCEAN AIR DRIVE
 SUITE 300
 SAN DIEGO, CA 92130

Applicant:
AT&T

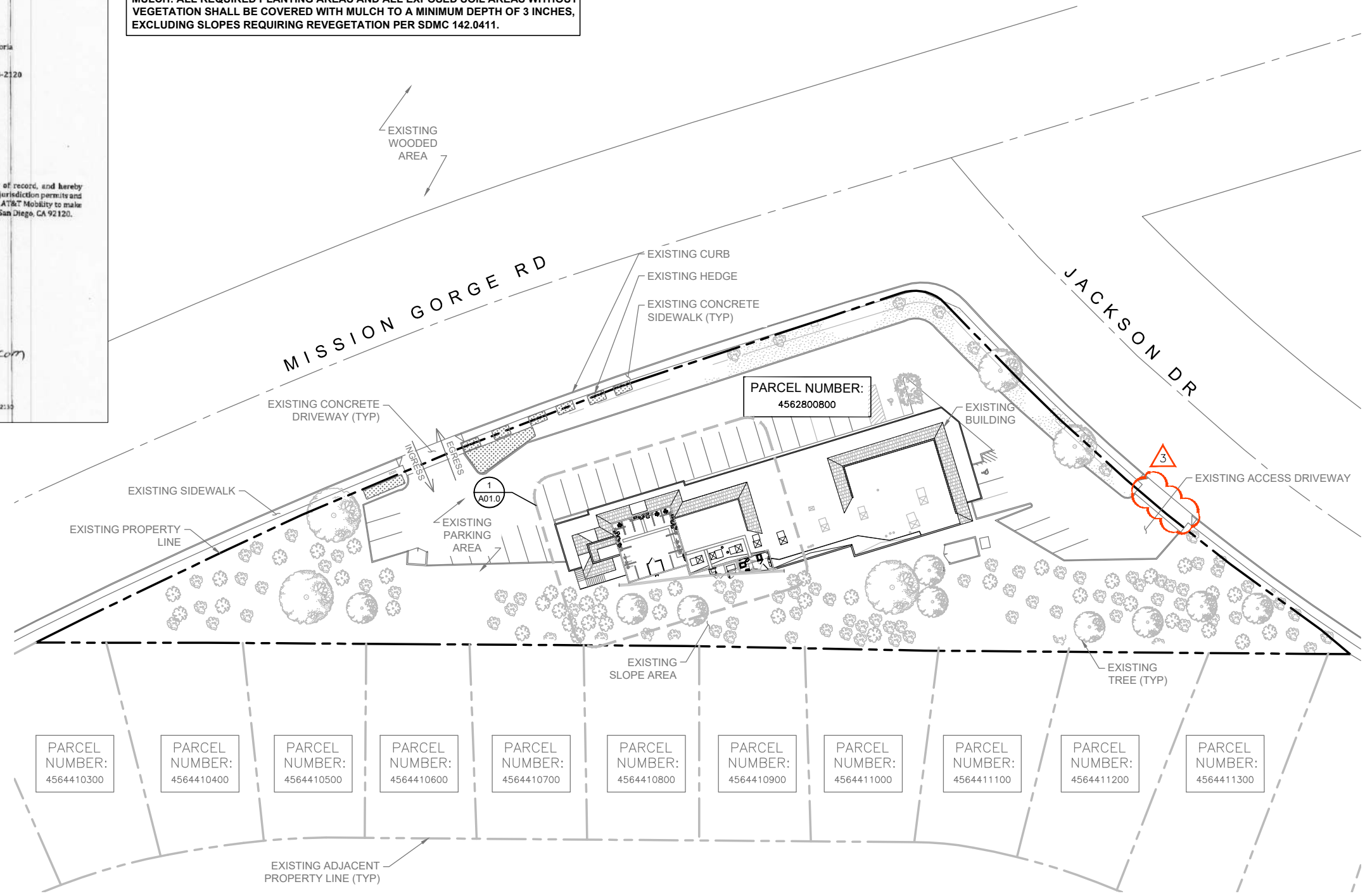
Plans Prepared By:

MORRISON HERSHFIELD
 5100 S MACADAM AVE. SUITE 500
 PORTLAND, OR 97239
 Tel: 503-595-9128 Fax: 503-595-9136
 www.morrisonhershfield.com

Project:
JACKSON DR & MISSION GORGE RD
 SITE ID: SD0538
 8181 MISSION GORGE RD
 SAN DIEGO, CA 92120
 FA: 10086174

Drawing Title:
SITE PLAN

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 3	C01.0



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

NOTE:
 IF ANY REQUIRED LANDSCAPE INDICATED ON THE APPROVED CONSTRUCTION DOCUMENT PLANS IS DAMAGED OR REMOVED DURING DEMOLITION OR CONSTRUCTION, IT SHALL BE REPAIRED AND/OR REPLACED IN KIND AND EQUIVALENT SIZE PER THE APPROVED DOCUMENTS TO THE SATISFACTION OF THE DEVELOPMENT SERVICES DEPARTMENT WITHIN 30 DAYS OF DAMAGE



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

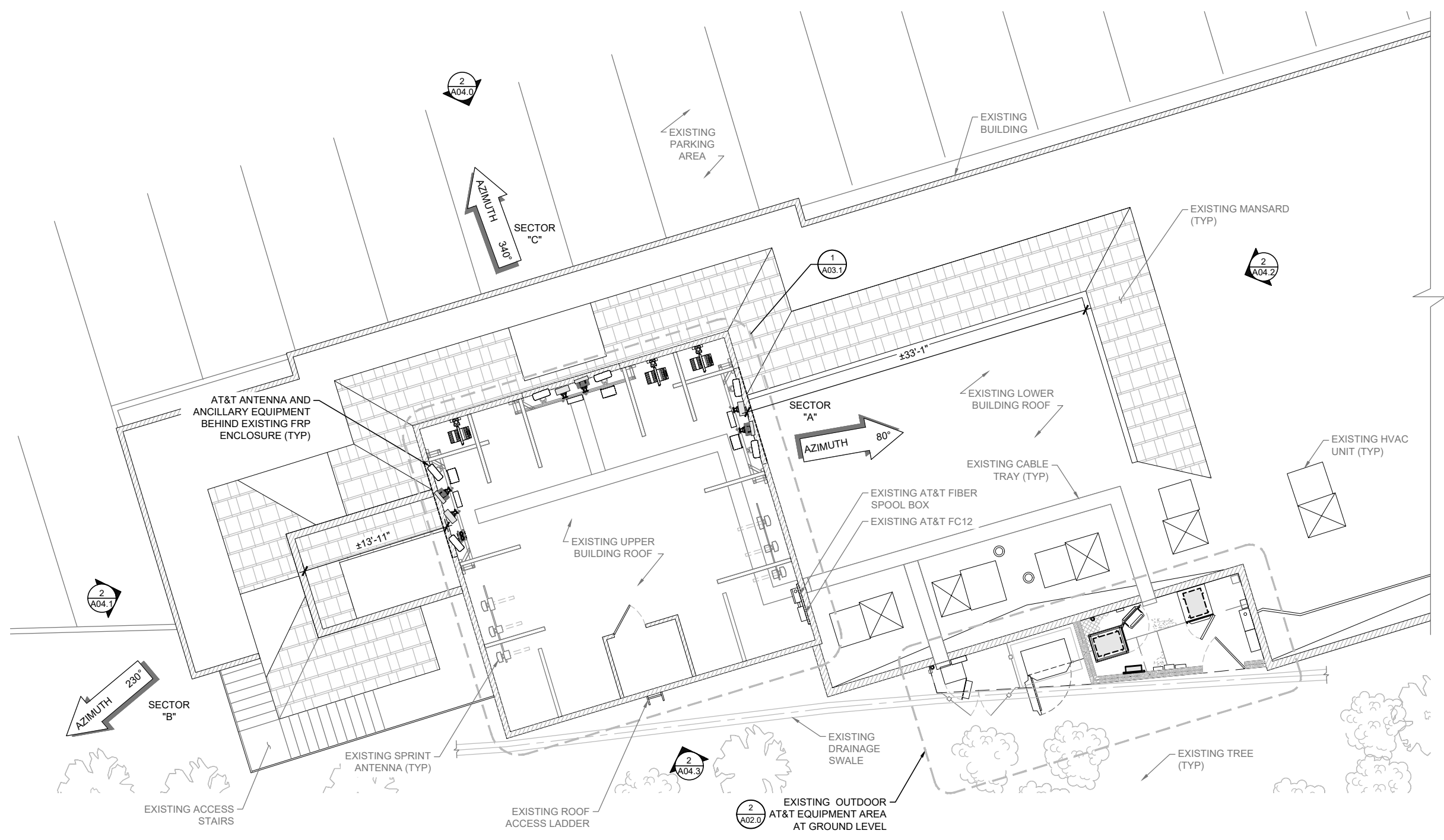


30' 0 15' 30' SCALE: 1"=30'-0" (22x34)
 (OR) 1/2"=30'-0" (11x17)

SITE PLAN

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NOTE:
SEE A03.1 FOR ANTENNA PLANS



0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17)

JURISDICTIONAL APPROVAL

10/17/2023 2:39:49 PM

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Plans Prepared For:

MD7

10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:

Plans Prepared By:

MH MORRISON HERSHFIELD
5100 S MACADAM AVE. SUITE 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

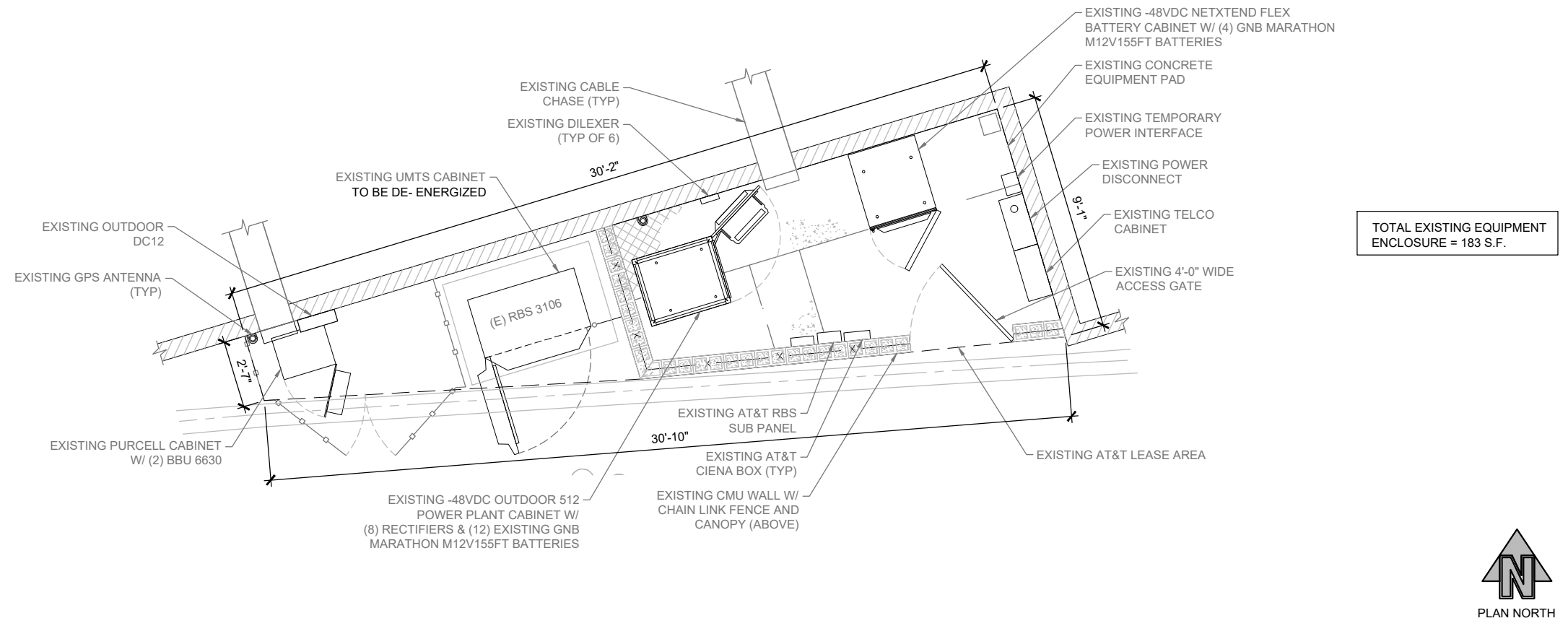
Drawing Title:

ROOF PLAN

Project No.:	220023600
Designer:	SB
Date:	12/02/21
Drawn By:	RR
Checked By:	SS
PM Review:	JR
Client Approval:	
Issue No.:	0
Revision:	A01.0

SCALE IS BASE ON 22" X 34" D" SIZE

ROOF PLAN

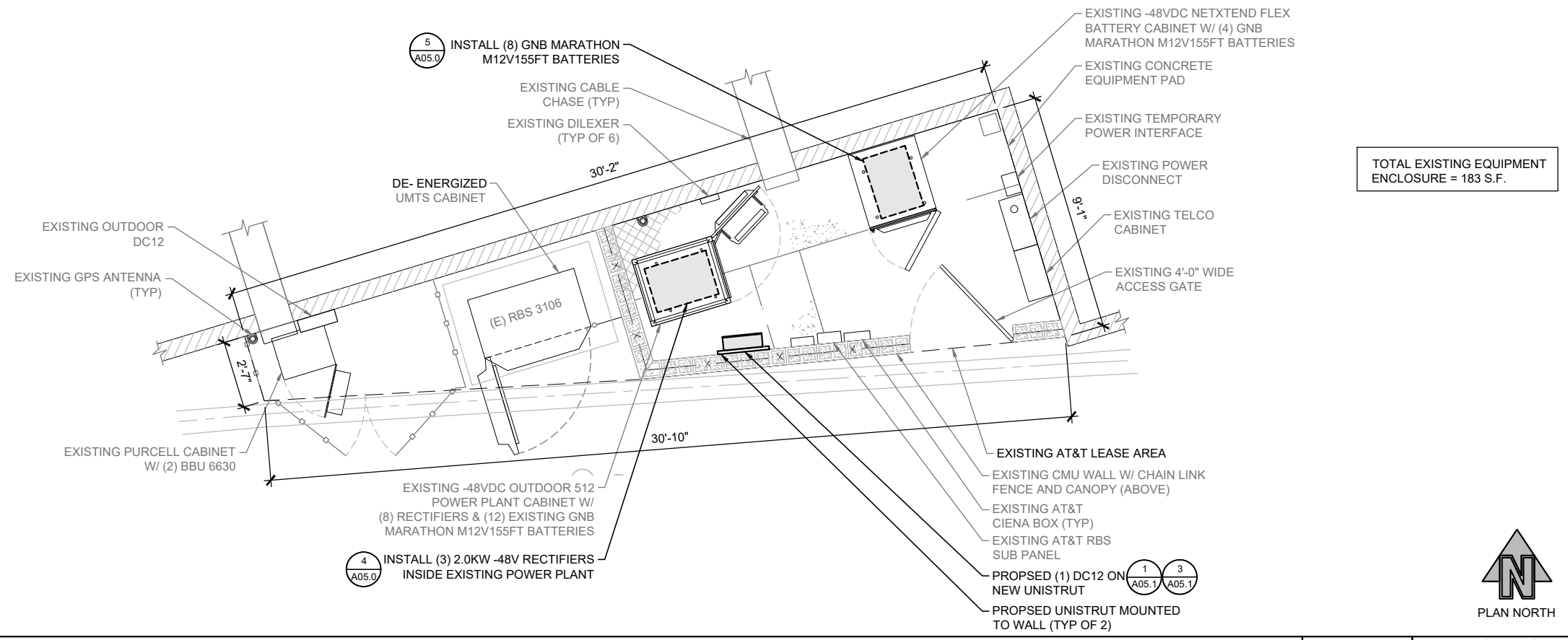


TOTAL EXISTING EQUIPMENT ENCLOSURE = 183 S.F.



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

EXISTING EQUIPMENT PLAN



TOTAL EXISTING EQUIPMENT ENCLOSURE = 183 S.F.



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

PROPOSED EQUIPMENT PLAN

JURISDICTIONAL APPROVAL



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Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130



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SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:
EQUIPMENT PLANS

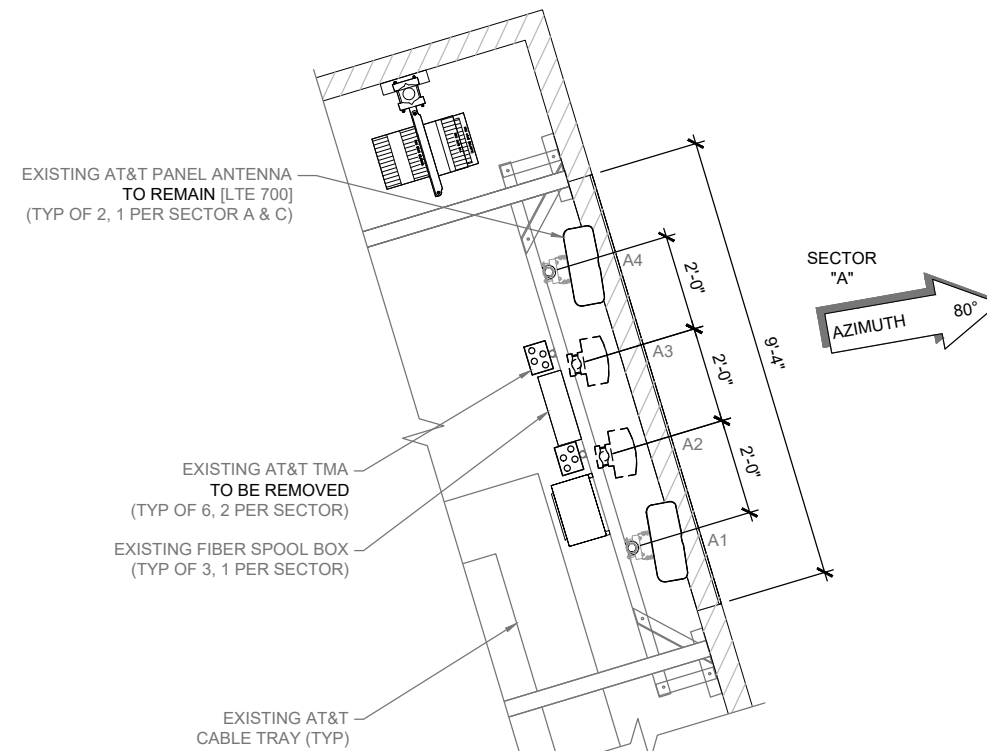
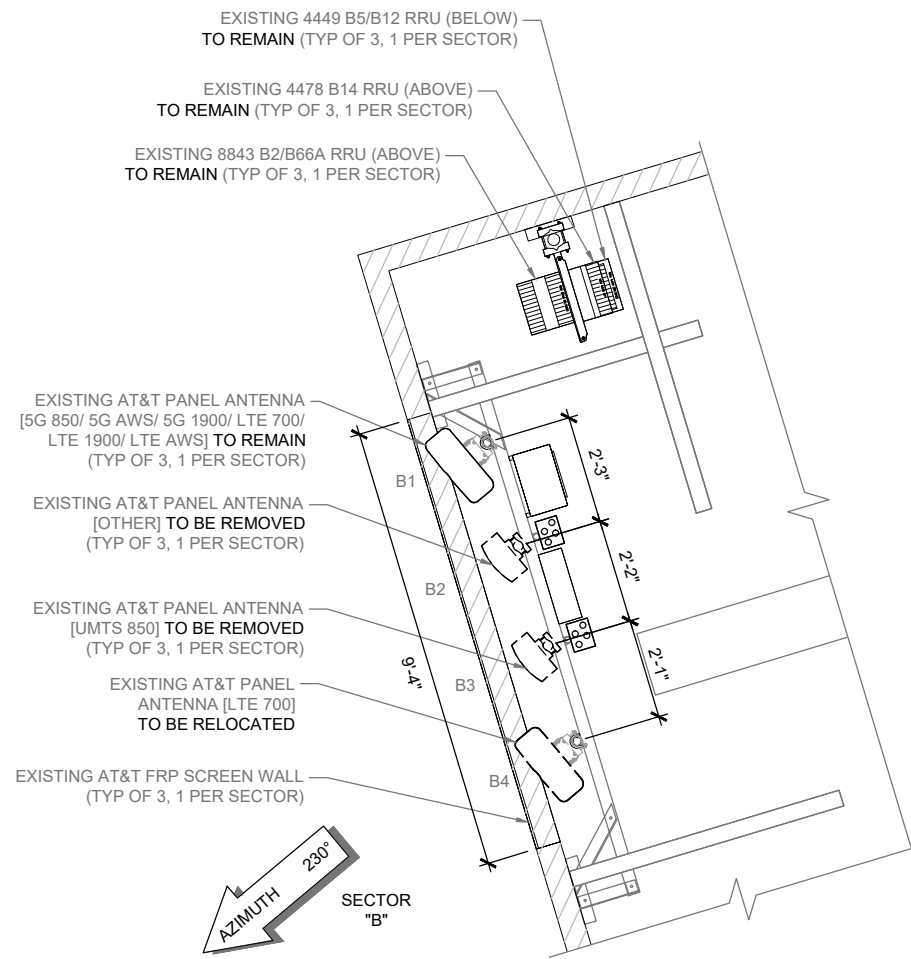
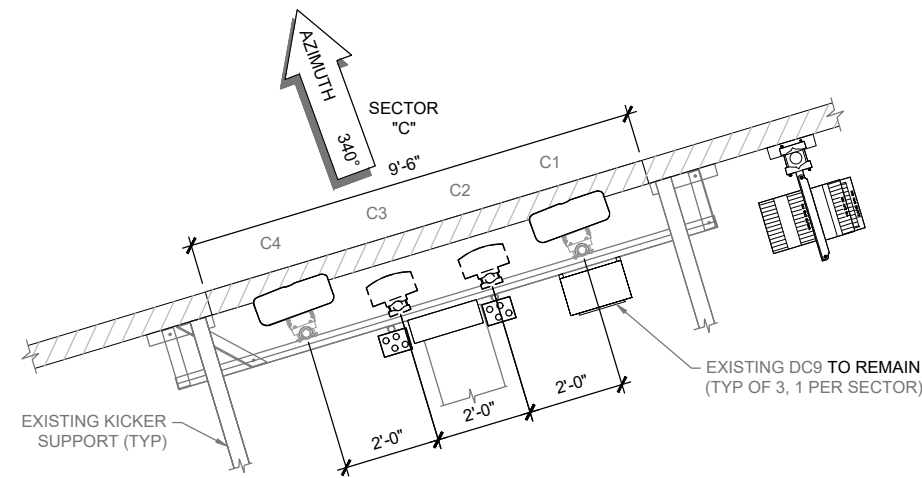
Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval

Issue No.:
1 **A02.0**

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SCALE IS BASE ON 22" X 34" D" SIZE

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EXISTING ANTENNA PLANS

0 6" 1' 2' SCALE: 1/2"=1'-0" (22x34)
(OR) 1/4"=1'-0" (11x17)

1

JURISDICTIONAL APPROVAL	
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C	01/04/22 100% CD SUBMITTAL
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10590 WEST OCEAN AIR DRIVE SUITE 300 SAN DIEGO, CA 92130	
Applicant:	
Plans Prepared By:	
MORRISON HERSHFIELD 5100 S MACADAM AVE. SUITE 500 PORTLAND, OR 97239 Tel: 503-595-9128 Fax: 503-595-9136 www.morrisonhershfield.com	
Project:	
JACKSON DR & MISSION GORGE RD SITE ID: SD0538 8181 MISSION GORGE RD SAN DIEGO, CA 92120 FA: 10086174	
Drawing Title:	
EXISTING ANTENNA PLANS	
Project No.:	
220023600	
Designer:	Date:
SB	12/02/21
Drawn By:	Checked By:
RR	SS
PM Review:	Client Approval
JR	
Issue No.:	
0	A03.0
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NOTE:
ANY DAMAGED OR WARPING FRP WILL BE REPLACED WITH NEW FRP WITHOUT SEEMS BETWEEN EXISTING BUILDING AND NEW FRP.

EXISTING ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 1.0 - DATED 12-23-2021										
	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER	FEEDER LENGTH
SECTOR A	5G 850/ 5G 1900/ 5G AWS	A1	80°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								7/8" COAX	±94'
	OTHER	A2	80°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	UMTS 850	A3	80°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	LTE 700	A4	80°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'
SECTOR B	5G 850/ 5G 1900/ 5G AWS	B1	230°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								7/8" COAX	±94'
	OTHER	B2	230°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	UMTS 850	B3	230°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	LTE 700	B4	230°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'
SECTOR C	5G 850/ 5G 1900/ 5G AWS	C1	340°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								7/8" COAX	±94'
	OTHER	C2	340°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	UMTS 850	C3	340°	26°-9"	80010764	(1) E15Z01P13	-		7/8" COAX	±94'
	LTE 700	C4	340°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'

PROPOSED ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 1.0 - DATED 12-23-2021										
	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER	FEEDER LENGTH
SECTOR A	5G 850/ 5G 1900/ 5G AWS	A1	80°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								-	-
	5G CBAND	A2	80°	28°-6"	AIR6449 B77D	-	-		-	-
	5G DOD	A3	80°	28°-7"	AIR6419 B77G	-	-		-	-
	LTE 700	A4	80°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'
SECTOR B	5G 850/ 5G 1900/ 5G AWS	B1	230°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								-	-
	5G CBAND	B2	230°	28°-6"	AIR6449 B77D	-	-		-	-
	5G DOD	B3	230°	28°-7"	AIR6419 B77G	-	-		-	-
	LTE 700	B4	230°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'
SECTOR C	5G 850/ 5G 1900/ 5G AWS	C1	340°	26°-9"	NNH4-65B-R4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) FIBER SPOOL BOX (1) DC9-48-60-24-PC16-EV	1/2" COAX	±25'
	LTE 700/ LTE 1900/ LTE AWS								-	-
	5G CBAND	C2	340°	28°-6"	AIR6449 B77D	-	-		-	-
	5G DOD	C3	340°	28°-7"	AIR6419 B77G	-	-		-	-
	LTE 700	C4	340°	26°-9"	NNHH-65B-R4	-	(1) 4478 B14		1/2" COAX	±25'

NOTE:
REMOVE ALL UNNECESSARY HARDWARE AND TMA'S TO MAKE SPACE FOR PROPOSED ANTENNAS

JURISDICTIONAL APPROVAL

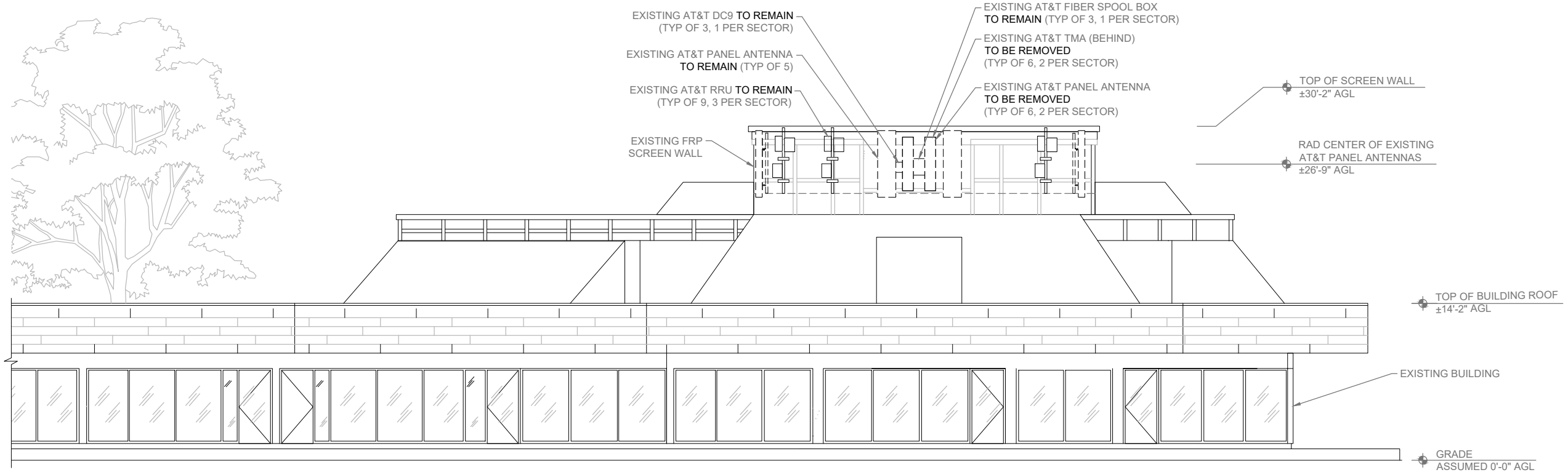
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C	01/04/22	100% CD SUBMITTAL

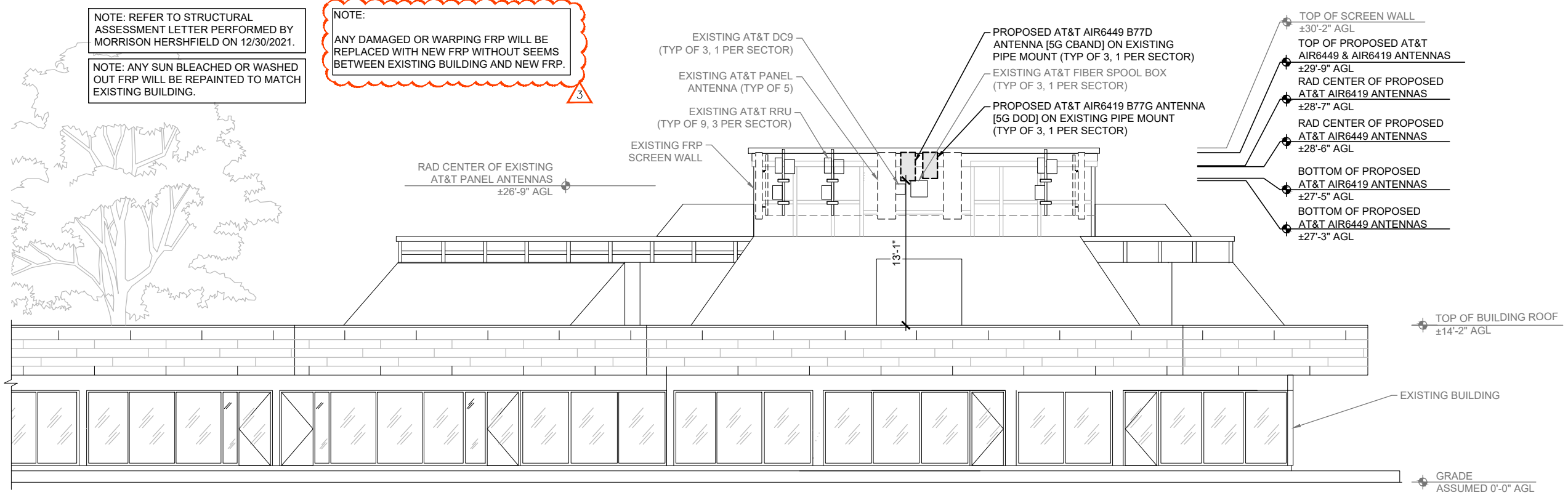
No.	Date	Action
Plans Prepared For:		
 10590 WEST OCEAN AIR DRIVE SUITE 300 SAN DIEGO, CA 92130		
Applicant:		
Plans Prepared By:		
 MORRISON HERSHFIELD 5100 S MACADAM AVE. SUITE 500 PORTLAND, OR 97239 Tel: 503-595-9128 Fax: 503-595-9136 www.morrisonhershfield.com		
Project:		
JACKSON DR & MISSION GORGE RD SITE ID: SD0538 8181 MISSION GORGE RD SAN DIEGO, CA 92120 FA: 10086174		
Drawing Title:		
<h1>ANTENNA SCHEDULES</h1>		
Project No.: 220023600		
Designer: SB	Date: 12/02/21	
Drawn By: RR	Checked By: SS	
PM Review: JR	Client Approval	
Issue No.: 3		

SCALE IS BASE ON 22" X 34" D" SIZE



EXISTING NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34) 1
(OR) 3/32"=1'-0" (11x17)



PROPOSED NORTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34) 2
(OR) 3/32"=1'-0" (11x17)

JURISDICTIONAL APPROVAL

10/17/2023 2:39:50 PM

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Plans Prepared For:

MD7

10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:

Plans Prepared By:

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Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

NORTHWEST ELEVATIONS

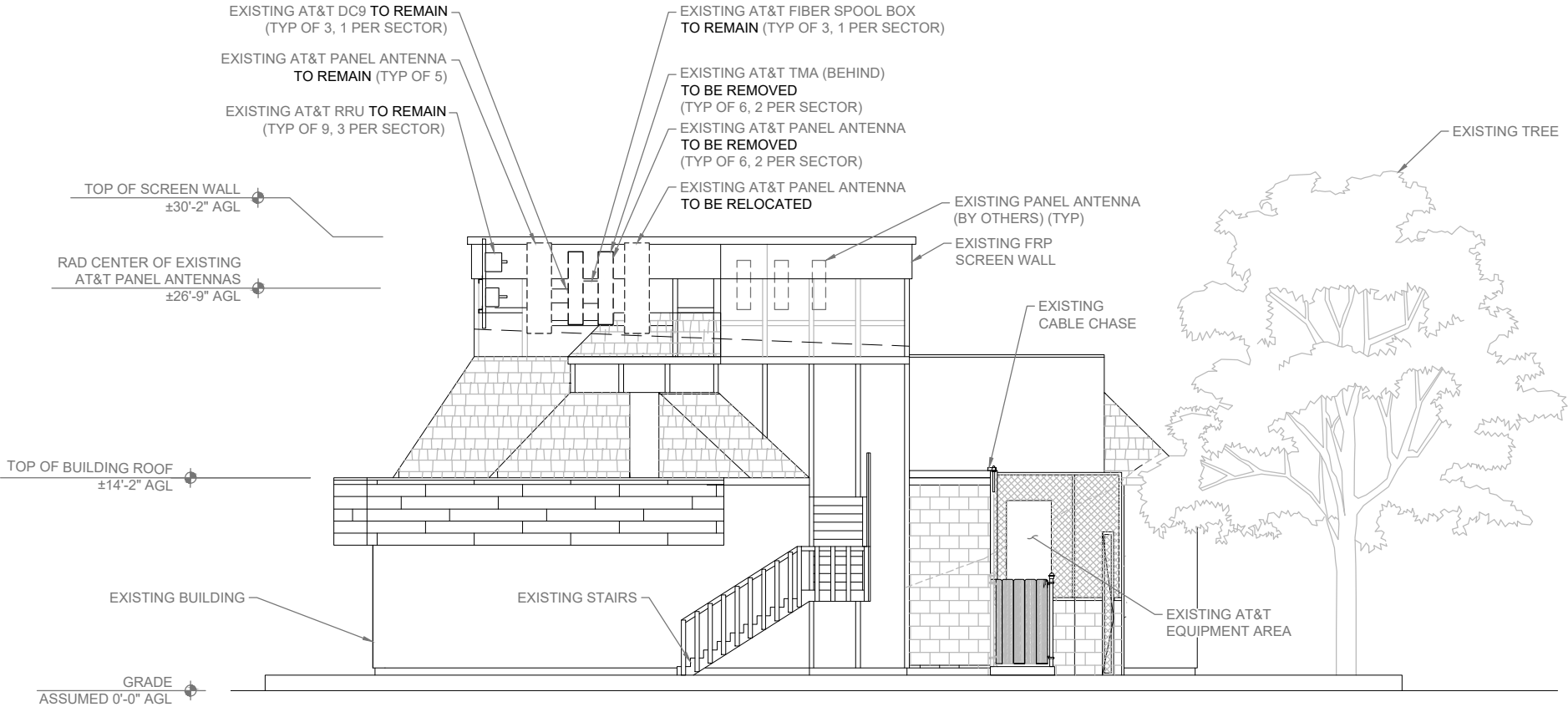
Project No.: 220023600	Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS	
PM Review: JR	Client Approval	

Issue No.: 3

A04.0

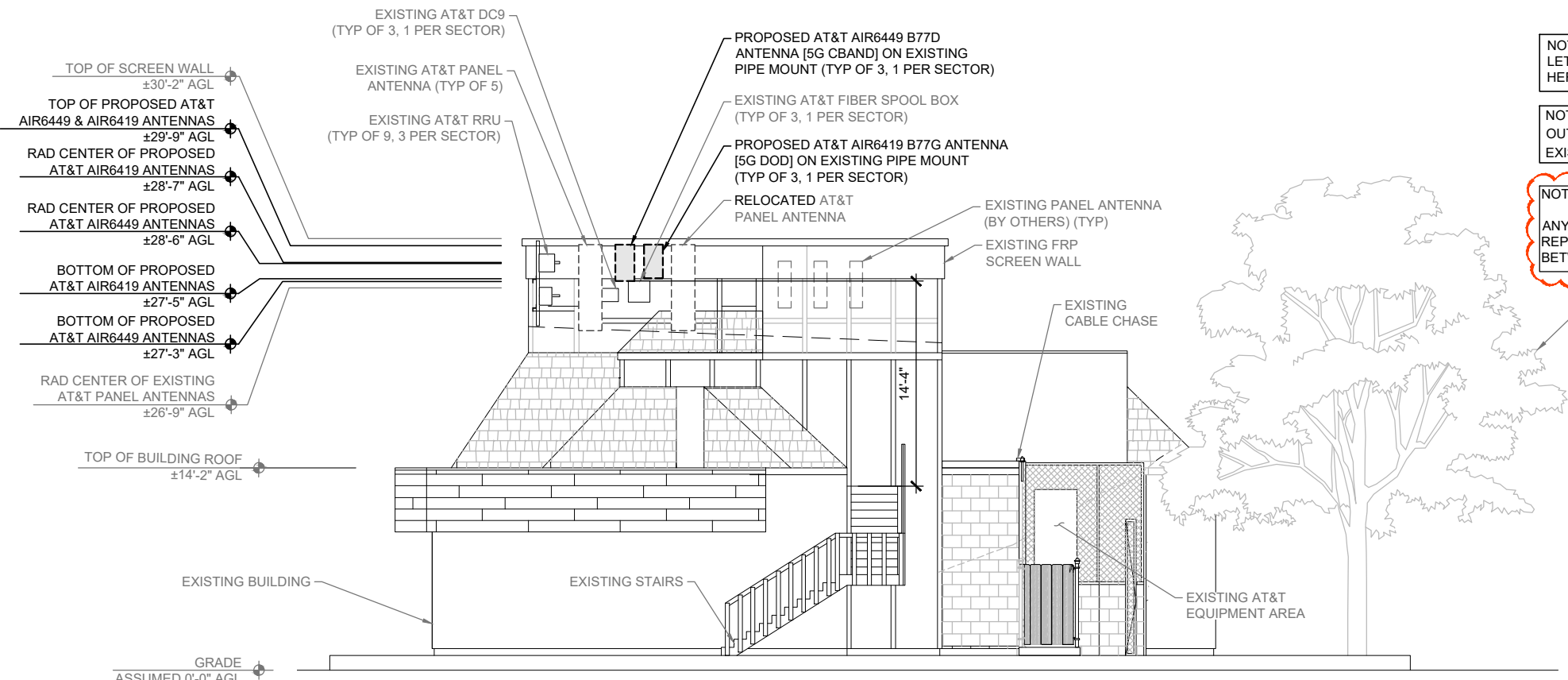
SCALE IS BASE ON 22" X 34" D" SIZE

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EXISTING SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



PROPOSED SOUTHWEST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

JURISDICTIONAL APPROVAL



10/17/2023 2:39:50 PM

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Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



Project:
JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

SOUTHWEST ELEVATIONS

Project No.:
220023600

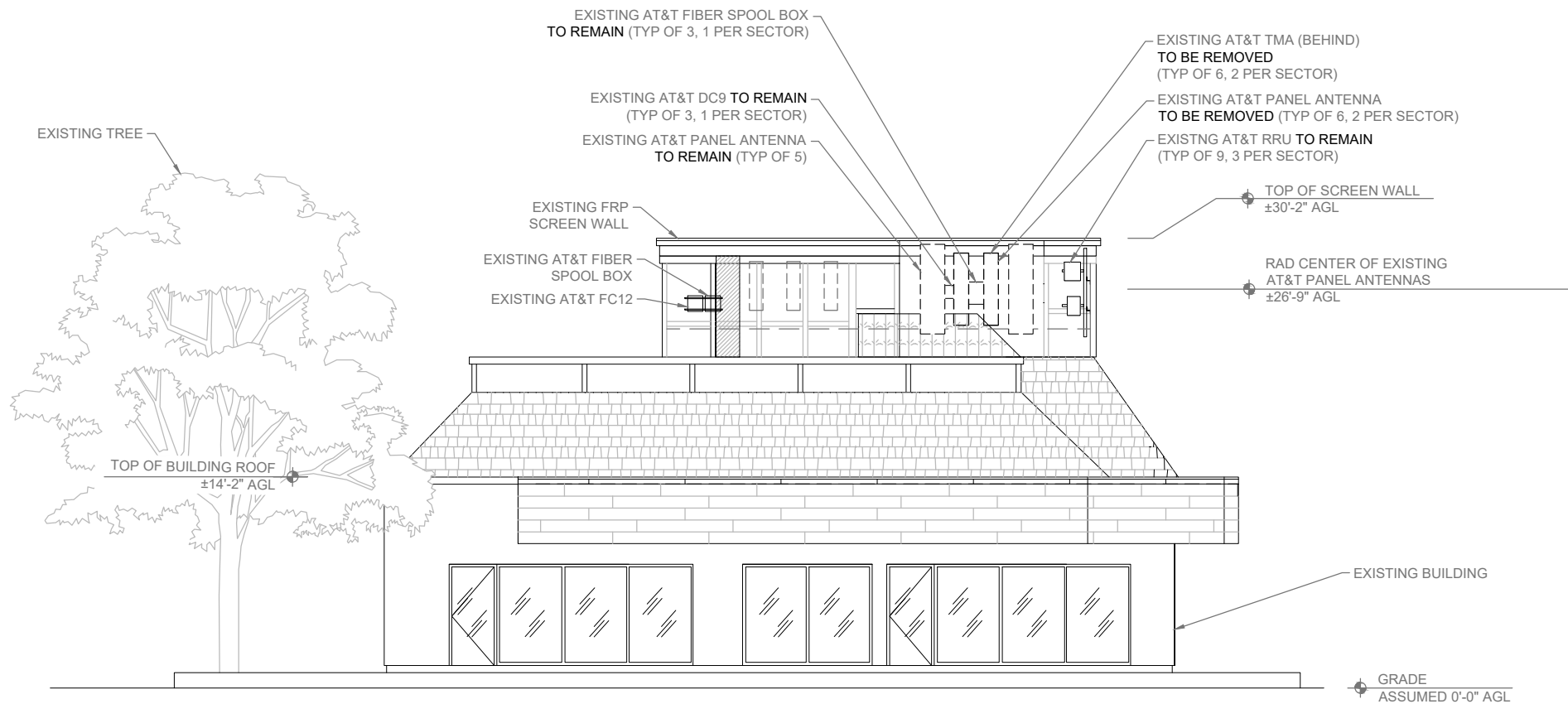
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval

Issue No.:
3

A04.1

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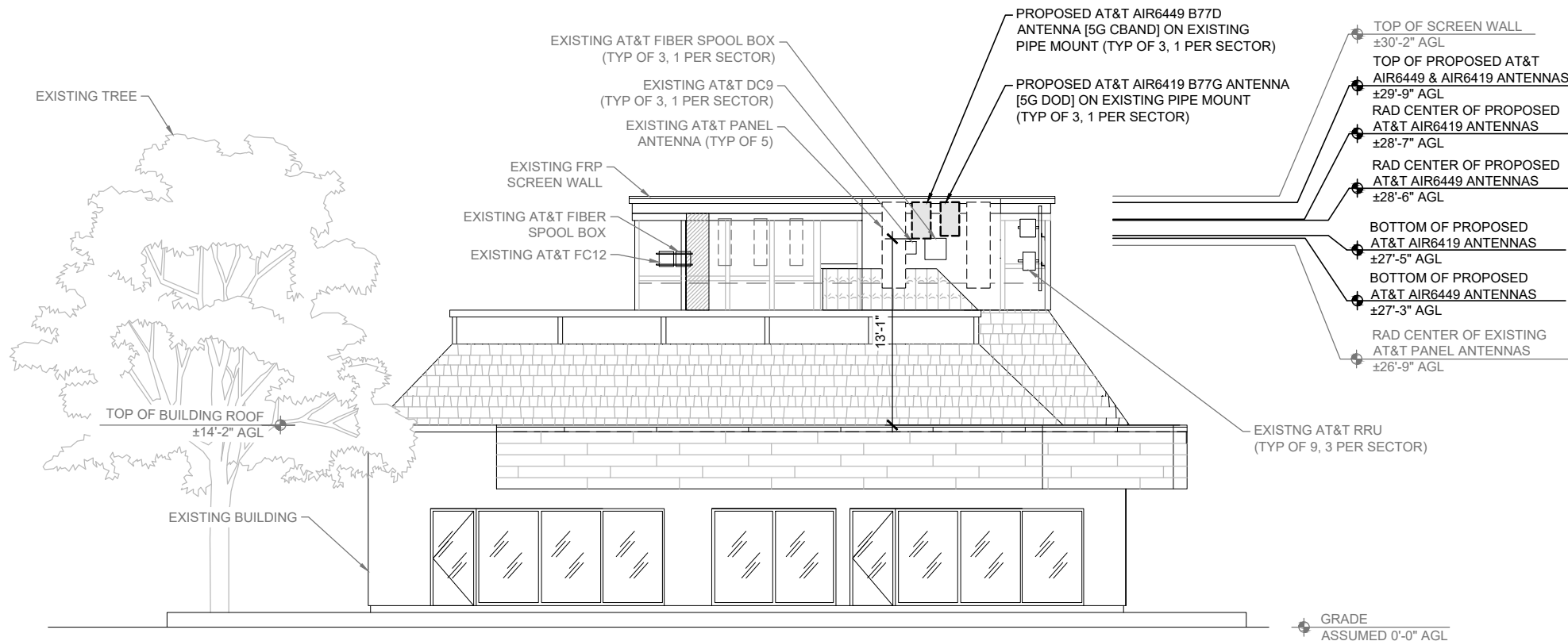
EXISTING NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34) 1
(OR) 3/32"=1'-0" (11x17)

NOTE: REFER TO STRUCTURAL ASSESSMENT LETTER PERFORMED BY MORRISON HERSHFIELD ON 12/30/2021.

NOTE: ANY SUN BLEACHED OR WASHED OUT FRP WILL BE REPAINTED TO MATCH EXISTING BUILDING.

NOTE: ANY DAMAGED OR WARPING FRP WILL BE REPLACED WITH NEW FRP WITHOUT SEEMS BETWEEN EXISTING BUILDING AND NEW FRP.



PROPOSED NORTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34) 2
(OR) 3/32"=1'-0" (11x17)

JURISDICTIONAL APPROVAL



10/17/2023 2:39:50 PM

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No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

NORTHEAST ELEVATIONS

Project No.:

220023600

Designer:

SB

Date:

12/02/21

Drawn By:

RR

Checked By:

SS

PM Review:

JR

Client Approval

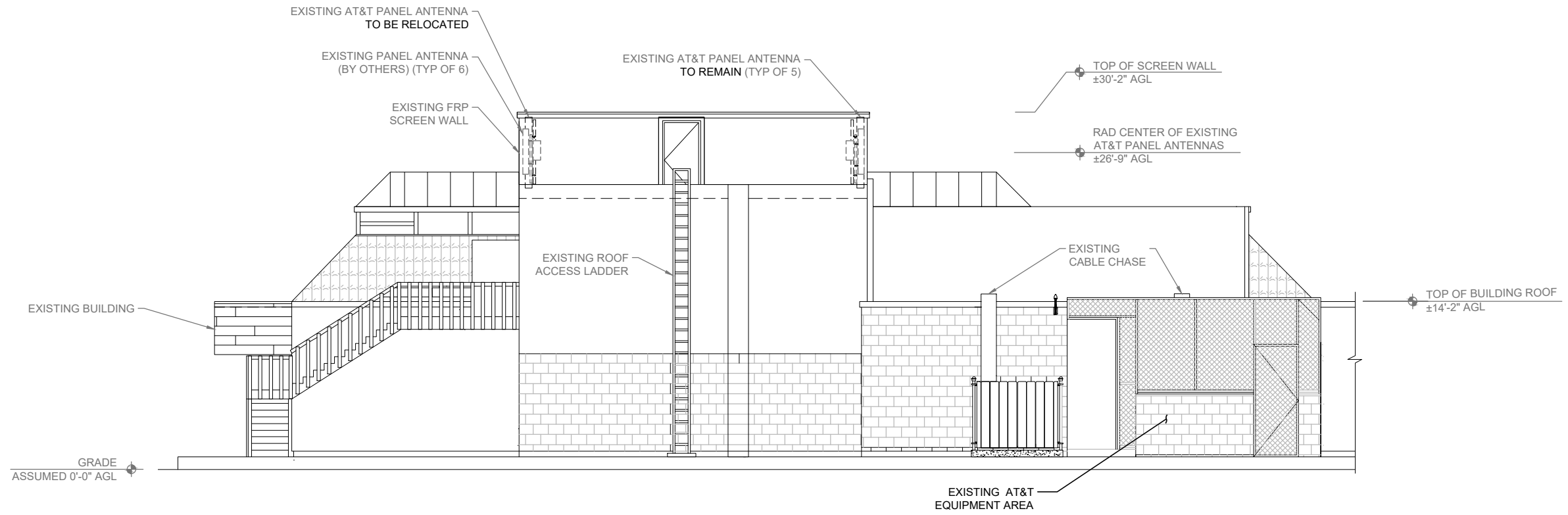
Issue No.:

3

A04.2

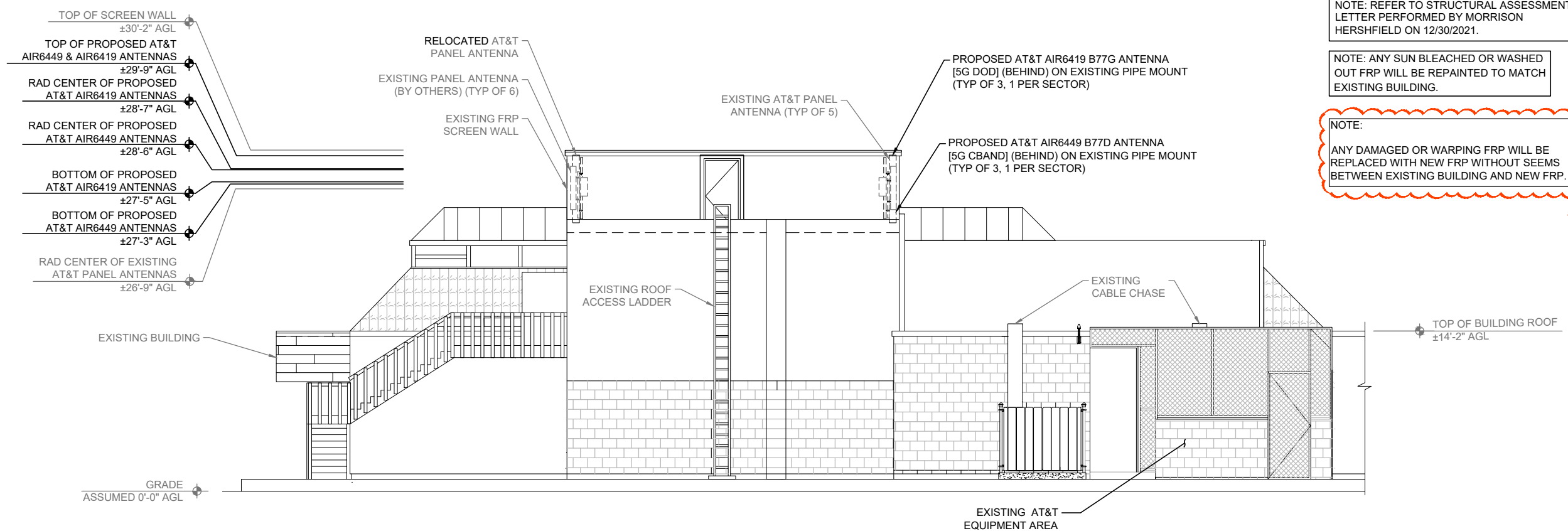
SCALE IS BASE ON 22" X 34" "D" SIZE

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EXISTING SOUTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 1



PROPOSED SOUTHEAST ELEVATION

0 1.5' 3' 5' SCALE: 3/16"=1'-0" (22x34)
(OR) 3/32"=1'-0" (11x17) 2

JURISDICTIONAL APPROVAL



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Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130



Plans Prepared By:



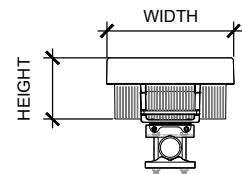
Project:
JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:
SOUTHEAST ELEVATIONS

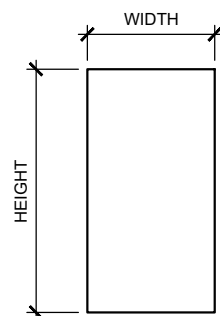
Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 3	A04.3

SCALE IS BASE ON 22" X 34" D" SIZE

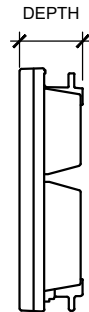
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BACK VIEW



FRONT VIEW

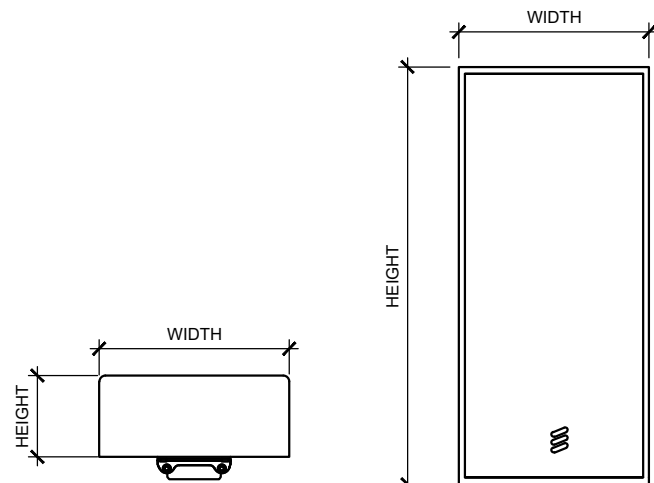


SIDE VIEW

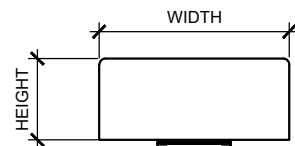
ERICSSON AIR6449 B77D

SIZE AND WEIGHT TABLE

HEIGHT	WIDTH	DEPTH	WEIGHT
30.6"	15.9"	10.6"	82.5 LBS



FRONT VIEW

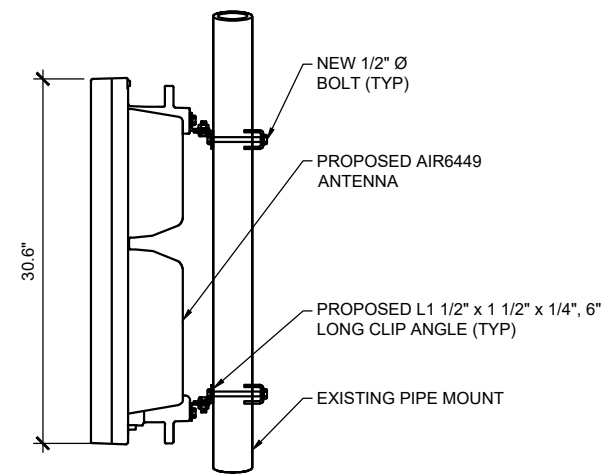


BACK VIEW

ERICSSON AIR6419 B77G

SIZE AND WEIGHT TABLE

HEIGHT	WIDTH	DEPTH	WEIGHT
28.0"	15.7"	6.7"	66.1 LBS



ANTENNA SPECIFICATIONS

SCALE
N.T.S. 1

ANTENNA SPECIFICATIONS

SCALE
N.T.S. 2

AIR6449 ANTENNA MOUNTING DETAIL

SCALE
N.T.S. 3

EMERSON 2KW HE -48V RECTIFIER:

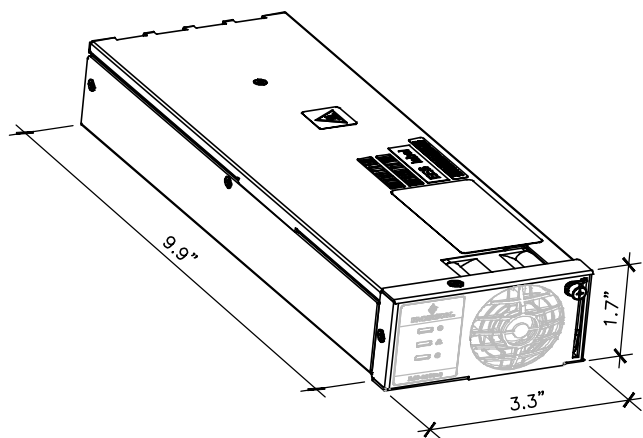
MANUFACTURER: EMERSON

SPECIFICATIONS:

DIMENSION: 1.7"H x 3.3"W x 9.9"D
WEIGHT: 2.49 LBS. (1.13 KG.)

DC INPUT
DC INPUT VOLTAGE, NOMINAL: 208/240 VOLTS
INPUT VOLTAGE, PERMITTED VARIATION: 176 VDC
MAXIMUM INPUT CURRENT: 11.73A

DC OUTPUT
OUTPUT VOLTAGE: -48 VDC
OUTPUT VOLTAGE, PERMITTED VARIATION: -42 TO 58 VDC
OUTPUT POWER: 2000 W @ -48 VDC
OUTPUT CURRENT: 41.7 A



RECTIFIER SPECIFICATIONS

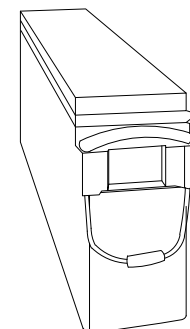
SCALE
N.T.S. 4

VRLA M12V155FT BATTERY:

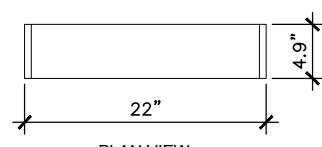
SPECIFICATIONS:

MANUFACTURER: GNB
EXIDE TYPE DESIGNATION: M12V155FT
NOM. VOLTAGE V: 12 V
NOM. CAPACITY C10 1.80 VPC 20° C Ah: 150AH
NOM. CAPACITY C8 1.75 VPC 25° C Ah: 155 AH
LENGTH (l) MAX (mm): 22" (559)
WIDTH (b/w) MAX. (mm): 4.90" (124)
HEIGHT (h) MAX (mm): 11.15" (283)
WEIGHT APPROX. (kg): 53.8
INTERNAL RESISTANCE mOhm: 3.0

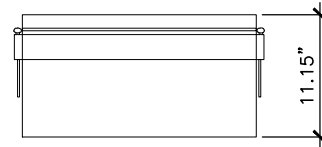
CONNECT SERIES OF (4) 12V BATTERIES = 48V



ISOMETRIC VIEW



PLAN VIEW



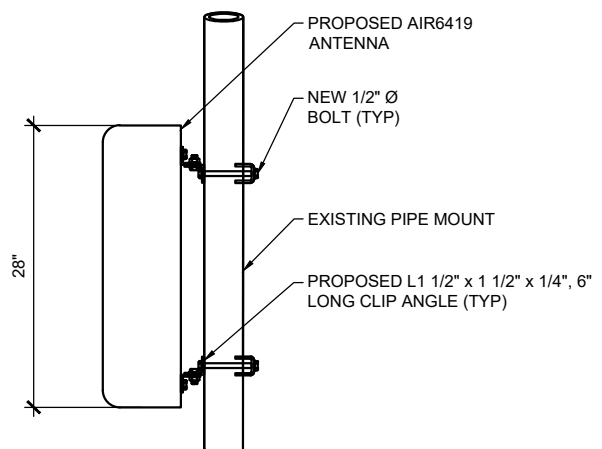
SIDE VIEW

VRLA BATTERY SPECIFICATIONS

SCALE
N.T.S. 5

AIR6419 ANTENNA MOUNTING DETAIL

SCALE
N.T.S. 6



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No. Date Action

Plans Prepared For:

MD7

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SUITE 300
SAN DIEGO, CA 92130

Applicant:

Plans Prepared By:

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Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

DETAILS

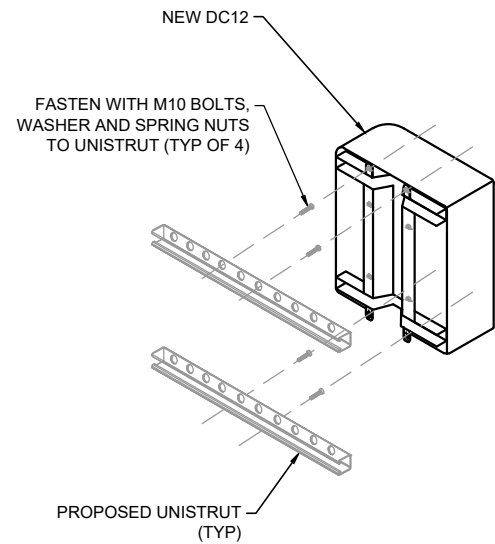
Project No.: 220023600

Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval

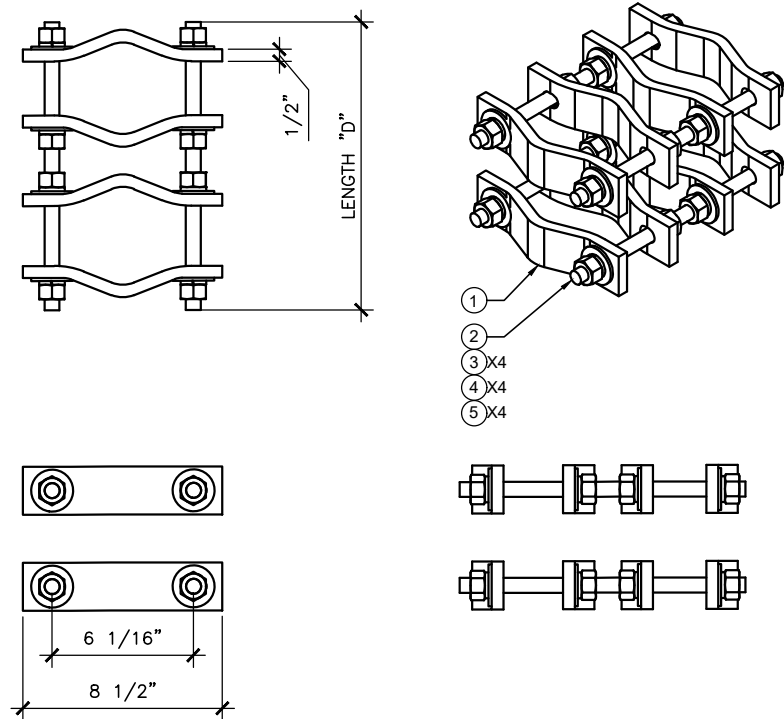
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RSS PART #DCP12K



VARIABLE PARTS TABLE						
ASSEMBLY "A"	QTY "B"	PART "C"	LENGTH "D"	UNIT WT "E"	NET WT "F"	TOTAL WEIGHT
DCP12K	4	G58R-12	12"	1.05	4.18	27.01
DCP18K	4	G58R-18	18"	1.57	6.27	29.10

PART LIST						
ITEM	QTY	PART NO.	DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	8	DCP	CLAMP HALF, 1/2" THICK, 8-3/8"		2.42	19.36
2	B	C	5/8" THREADED ROD	D	E	F
3	16	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	2.08
4	16	G58LW	5/8" HDG LOCKWASHER		0.03	0.42
5	16	G58FW	5/8" HDG USS FLATWASHER		0.07	1.13



10/17/2023 2:39:51 PM

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Plans Prepared For:



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Plans Prepared By:
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Drawing Title:
DETAILS

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval

Issue No.:
0 **A05.1**

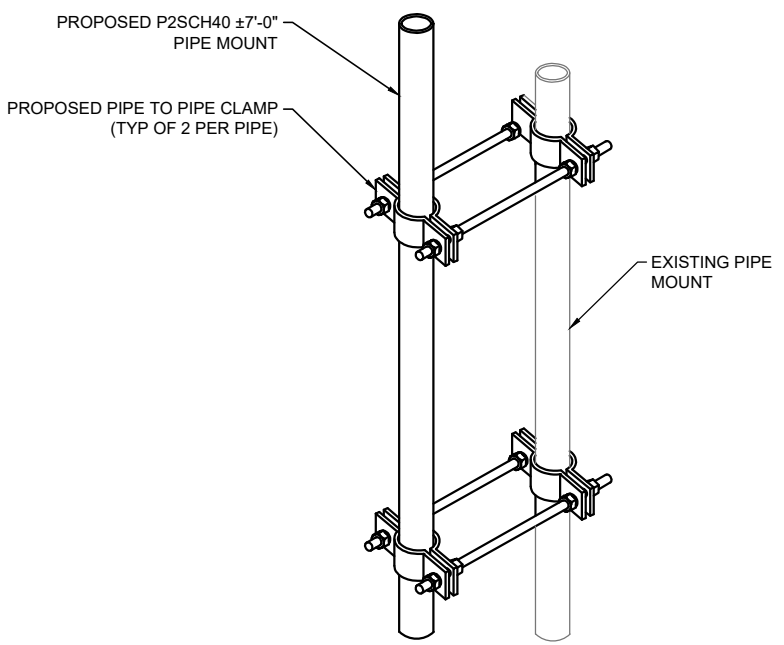
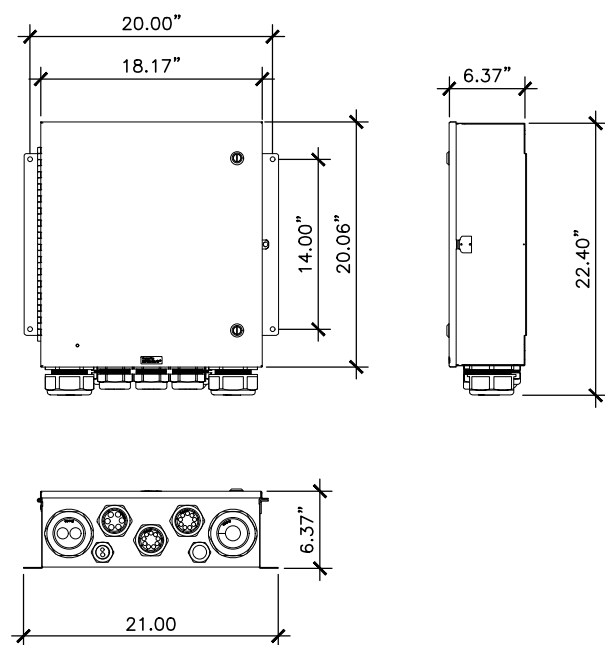
DC12 MOUNTING DETAIL

SCALE
N.T.S.

PIPE-TO-PIPE CLAMP SET

SCALE
N.T.S.

RAYCAP DC12-48-60-0-25E:
DIMENSIONS, LxWxH: 18.17"x20.06"x6.37"
NOMINAL OPERATING VOLTAGE: 48 V
OPERATING DISCHARGE CURRENT: 20 kA 8/20ms
MAX DISCHARGE CURRENT: 60 kA 8/20ms
VOLTAGE PROTECTION LEVEL
[Up] PER IEC 61643-11: 300 V
VOLTAGE PROTECTION RANKING (VPR): 700V
TOTAL WEIGHT: 25.54 kg | 56.3 lbs



DC12 SPECIFICATIONS - (OUTDOOR)

SCALE
N.T.S.

PIPE TO PIPE MOUNT DETAIL

SCALE
N.T.S.

NOT USED

SCALE
N.T.S.

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MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION					
MANUFACTURER Exide Technologies Industrial Energy 3950 Sussex Avenue Aurora, IL 60504-7932		CHEMICAL/TRADE NAME (as used on label) MARATHON V-0 and SPRINTER V-0 Valve Regulated Lead Acid Battery			
FOR INFORMATION Primary: MACTEC Engineering and Consulting, Inc. Attention: Juliann Cothran (770) 421-3485 Secondary: Environmental, Safety & Health Attention: Eric Murray (800) 532-4622 or Fred Ganster (610) 921-4052		CHEMICAL FAMILY/ CLASSIFICATION Electrical Storage Battery Monoblock type		DATE ISSUED: January 2010	
FOR EMERGENCY CHEMTREC (800) 424-9300 24-hour Emergency Response Contact Ask for Environmental Coordinator		CHEMTREC INTERNATIONAL (703) 527-3887 – Collect			
II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
			Approximate Air Exposure Limits ($\mu\text{g}/\text{m}^3$)		
Components	CAS Number	% by Wt.	OSHA	ACGIH	NIOSH
Inorganic components of:					
Lead	7439-92-1	71-76	50	50	50
Antimony Oxide	7440-36-0	< 0.6	500	500	500
Calcinated Clay	N/A	< 1.2	N/A	N/A	N/A
Tin	7440-31-5	0.4-0.6	2000	2000	2000
Copper	7440-50-8	< 0.1	1000	1000	1000
Electrolyte (sulfuric acid)	7664-93-9	16-18	1000	200	1000
Case Material:					
Polypropylene	9003-07-0	6-7	N/A	N/A	N/A
Plate separator material:					
Glass	N/A	2-3	N/A	N/A	N/A
NOTE: Inorganic lead and electrolyte (water and sulfuric acid solution) are the primary components of every battery manufactured by Exide Technologies or its subsidiaries. Other ingredients may be present dependent upon battery type. Polypropylene is the principal case material of automotive and commercial batteries.					
III. PHYSICAL DATA					
Boiling Point (Electrolyte)	203° F (at 760 mm Hg)	Specific Gravity (H ₂ O=1)	1.230 to 1.350		
Melting Point	Not Applicable	Vapor Pressure (mm Hg at 20 °C)	10		
Solubility in Water	100%	Vapor Density (AIR=1)	Greater than 1		
Evaporation Rate (Butyl acetate=1)	Less Than 1	% Volatiles by Weight	Not Applicable		
Appearance and Odor	A clear liquid with a sharp, penetrating, pungent odor. A battery is a manufactured article; no apparent odor.				

Z99-MSDS-MARSPRV0 Rev. AG 2010-01 Page 1 of 5
 ANY PHOTOCOPY MUST BE OF THIS ENTIRE DOCUMENT

Project Battery System Data	
Battery Type:	Valve Regulated Lead Acid (VRLA) with Absorbant Glass Mat (AGM)
Battery Manufacturer/Model:	Exide GNB / M12V155FT
Total Weight of (1) Battery/Cell (kg):	53.8
Electrolyte per Battery (18% of Battery Weight) (kg):	9.7
Electrolyte per Battery in Gallons (1 Gallon = 6.91 kg):	1.4
Total Batteries in Power & Battery Cabinet:	24
Total Amount of -48V Strings:	6
Total Amount of Electrolyte in Gallons:	33.6
Total Amount of Amp Hours (Ah):	930
Total Amount of Kilo-Watt Hours (kWh):	44.64

JURISDICTIONAL APPROVAL



10/17/2023 2:39:51 PM

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

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2	03/07/23	JX COMMENTS
1	04/28/22	JX COMMENTS
0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
 SUITE 300
 SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



Project:

JACKSON DR & MISSION GORGE RD
 SITE ID: SD0538
 8181 MISSION GORGE RD
 SAN DIEGO, CA 92120
 FA: 10086174

Drawing Title:

DETAILS

Project No.:

220023600

Designer:	Date:
SB	12/02/21
Drawn By:	Checked By:
RR	SS
PM Review:	Client Approval
JR	

Issue No.:	0	A05.2
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SCALE
 N.T.S. 1

BATTERY SPECIFICATIONS

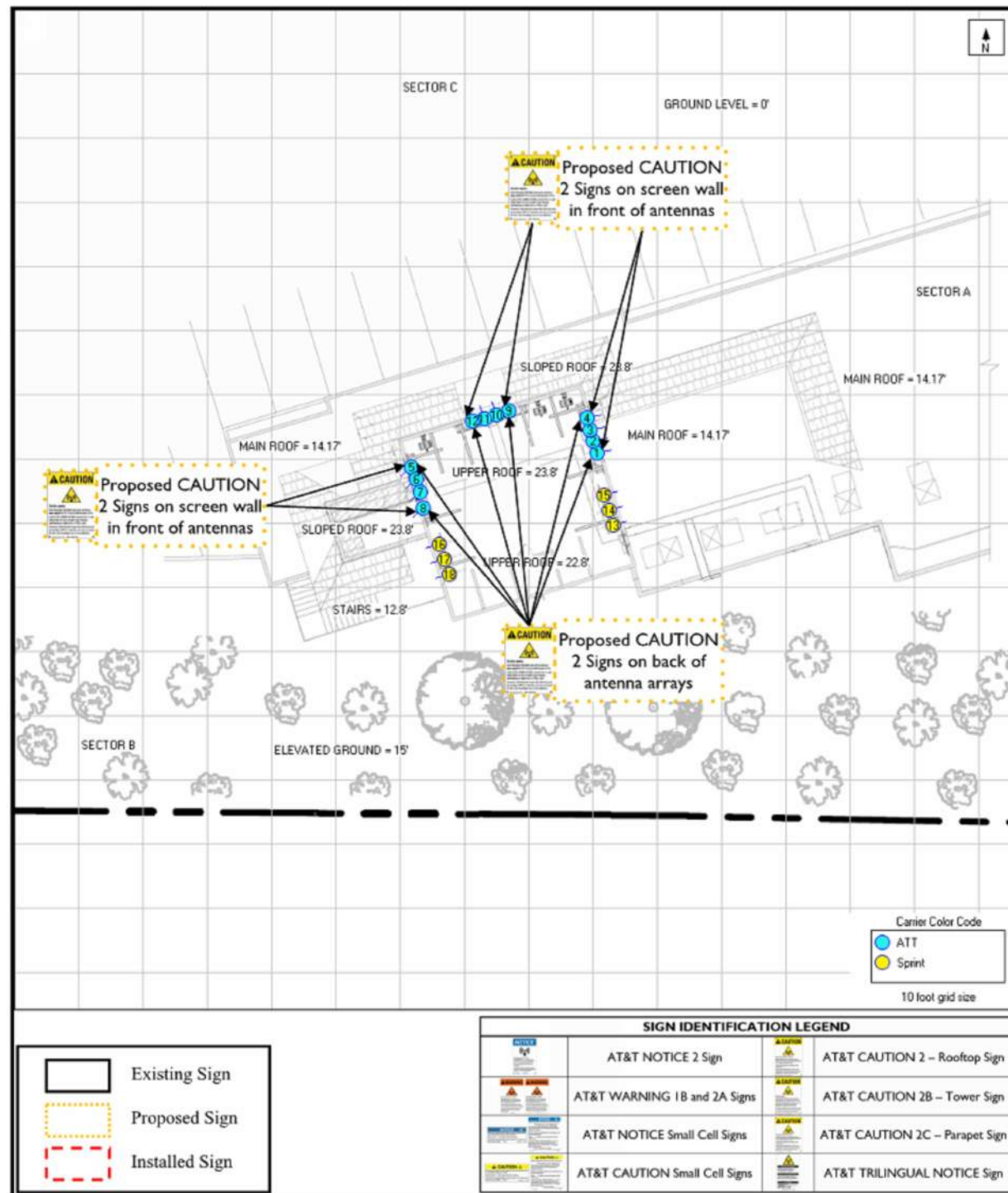
SCALE IS BASE ON 22" X 34" D" SIZE

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Site Name: Jackson Dr & Mission Gorge Rd
 Site FA: 10086174

Site USID: 24437
 3

2.0 SIGNAGE AND MITIGATION PLAN



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 Site FA: 10086174

Site USID: 24437
 20

Appendix C: AT&T SIGNAGE AND MITIGATION

Signs are the primary means for control of access to areas where RF exposure levels may potentially exceed the MPE. As presented in the AT&T guidance document, the signs must:

- Be posted at a conspicuous point;
- Be posted at the appropriate locations;
- Be readily visible; and
- Make the reader aware of the potential risks prior to entering the affected area.

The table below presents the signs that may be used for AT&T installations.

CRAN / HETNET Small Cell Decals / Signs		Alerting Signs	
	STONEHOUSE NOTICE DECAL		TRILINGUAL NOTICE
	STONEHOUSE NOTICE SIGN		CAUTION 2 - ROOFTOP
	STONEHOUSE CAUTION DECAL		CAUTION 2B - TOWER
	STONEHOUSE CAUTION SIGN		WARNING 1B
	STONEHOUSE CAUTION SIGN		WARNING 2A

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C	01/04/22	100% CD SUBMITTAL

Plans Prepared For:
MD7
 10590 WEST OCEAN AIR DRIVE
 SUITE 300
 SAN DIEGO, CA 92130

Applicant:

Plans Prepared By:

 MORRISON HERSHFIELD
 5100 S MACADAM AVE. SUITE 500
 PORTLAND, OR 97239
 Tel: 503-595-9128 Fax: 503-595-9136
 www.morrisonhershfield.com

Project:
 JACKSON DR & MISSION GORGE RD
 SITE ID: SD0538
 8181 MISSION GORGE RD
 SAN DIEGO, CA 92120
 FA: 10086174

Drawing Title:
RF SIGNAL LOCATION PLAN

Project No.: 220023600	Date: 12/02/21
Designer: SB	Checked By: SS
Drawn By: RR	Client Approval
PM Review: JR	
Issue No.: 0	A06.0

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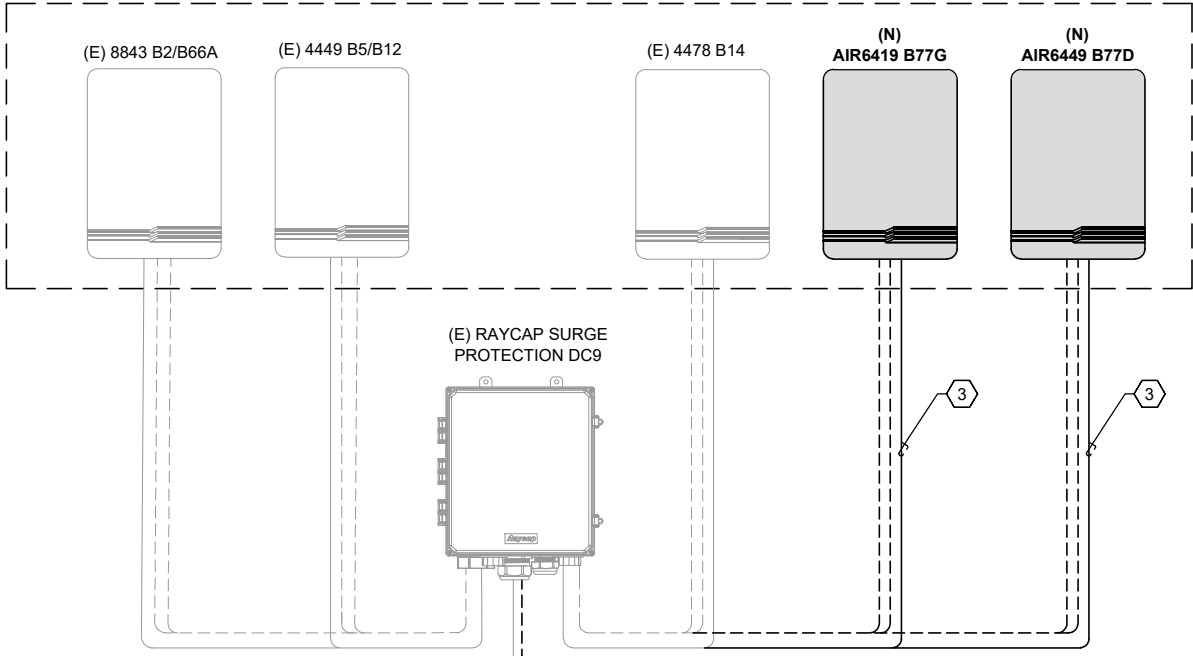
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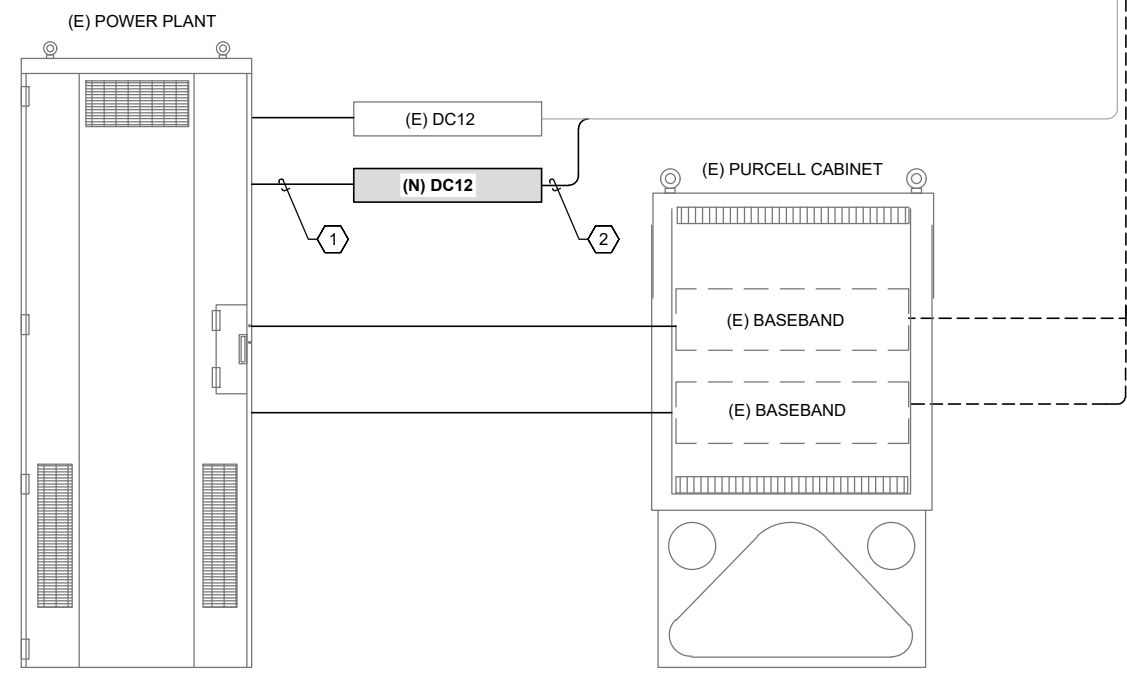
Drawing Title:
ELECTRICAL DC ONE-LINE DIAGRAM

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	E01.0

TYP FOR SECTOR A, B & C



TOP LEVEL
GROUND LEVEL



NOTE:
 RE-USE EXISTING DC TRUNK CABLES FROM NEW DC PLANT TO DC12 WHERE POSSIBLE. IF NECESSARY TO PROVIDE NEW DC TRUNK CABLES - MATCH EXISTING

DC CIRCUIT SCHEDULE				
	BREAKER	FROM	TO	CONFIGURATION
1	ADD 50A DC BREAKER FOR NEW 6449 & 6419	-48DC DISTRIBUTION PANEL	RAYCAP SURGE PROTECTION DC12	(1) 6-#6 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
2	N/A	RAYCAP SURGE PROTECTION DC12	RAYCAP SURGE PROTECTION DC9	(1) 6-#6 THHN/THWN/VW-1 TYPE TC-ER DC CABLE
3	N/A	RAYCAP SURGE PROTECTION DC9	REMOTE RADIO UNIT	(1) 2-#8 THHN/THWN/VW-1 TYPE TC-ER DC CABLE

- DC WIRING GENERAL NOTES:**
- DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING +24V (RED) AND -48V (BLUE) MARKINGS ON CONDUCTORS.
 - LTE TECHNOLOGY DC POWER WIRING SHALL BE IN ACCORDANCE WITH ATT-002-290-531
 - NON-LTE TECHNOLOGY DC POWER WIRING SIZE 14 AWG TO 10 AWG SHALL BE TELCOFLEX III. DC POWER WIRING 8 AWG AND LARGER SHALL BE TELCOFLEX IV.

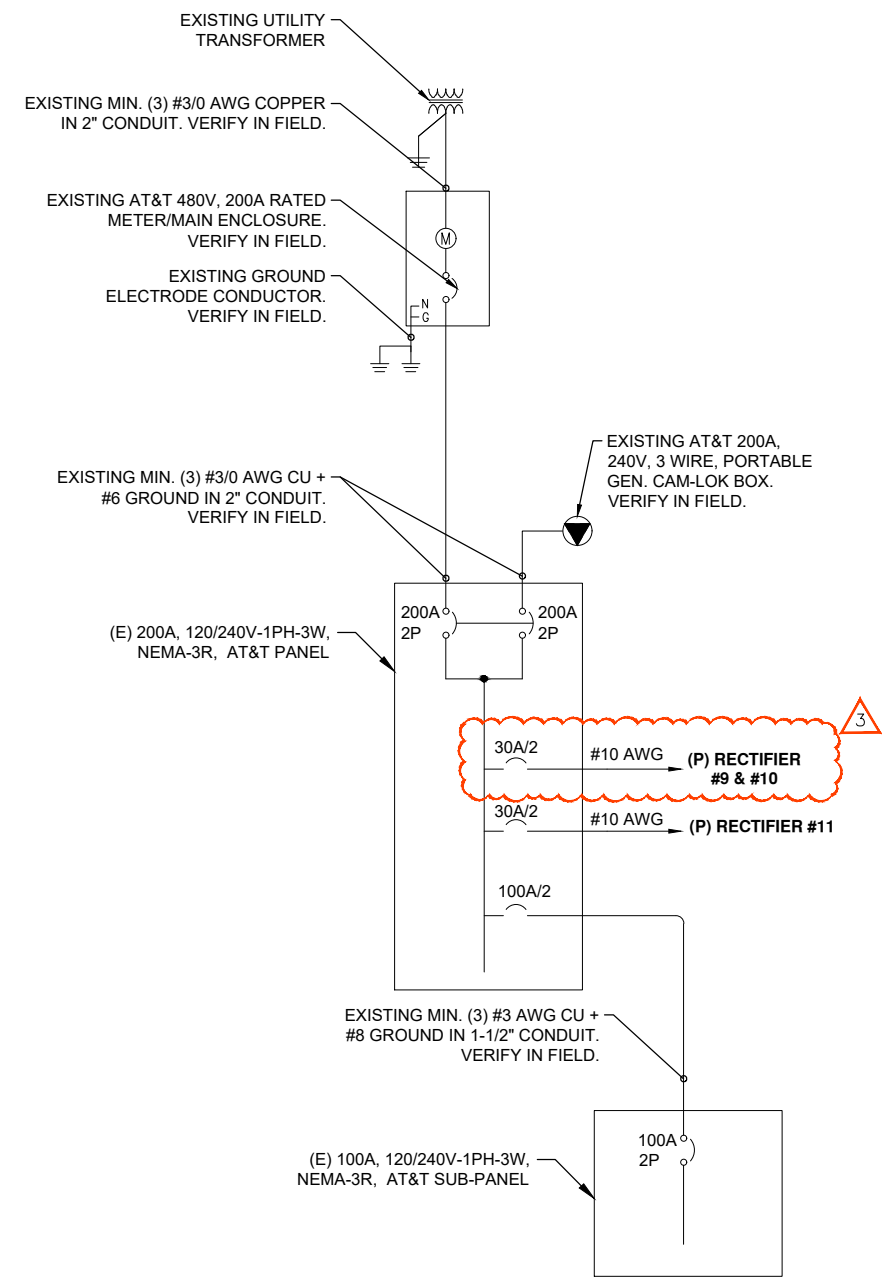
ELECTRICAL DC ONE-LINE DIAGRAM

SCALE
N.T.S. 1

PANEL NAME		LOCATION:		VOLTAGE:		240 / 120V		1Ø		MOUNTING/ENCLOSURE:		SURFACE		NEMA-3R		
EXISTING 200A PPC PANEL		AT&T LEASE AREA		MAIN C/B:		200				AVAIL. FAULT CURRENT:						
				BUS RATING:		200		AMPS		SHORT CIRCUIT RATING:		42,000				
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	B	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS			
40	2	NC	(E) RBS 3106	2.64	1	4.64		2	0.00	(P) RECTIFIER #9 & #10	NC	2	30			
				2.64	3		4.64	4	0.00							
20	1	NC	SPARE	0.00	5A	2.00		6	2.00	(P) RECTIFIER #11	NC	2	30			
20	1	NC	SPARE	0.00	5B											
50	2	NC	(E) RBS 3106	2.64	7		4.64	8	2.00	RBS SUB-PANEL	NC	2	100			
				2.64	9	11.84		10	9.20							
15	1	NC	(E) TELCO FAN	0.18	11		8.36	12	8.18							
PHASE TOTAL						18.48		17.64	KVA	3						
ALL NEW BREAKERS SHALL MATCH EXISTING AIC RATING											TOTAL CONNECTED LOAD	36.12	KVA	151 A		
											TOTAL DEMAND LOAD	36.12	KVA	151 A		

PANEL NAME		LOCATION:		VOLTAGE:		240 / 120V		1Ø		MOUNTING/ENCLOSURE:		SURFACE		NEMA-3R		
EXISTING 100A RBS SUB-PANEL		AT&T LEASE AREA		MAIN C/B:		100				AVAIL. FAULT CURRENT:						
				BUS RATING:		100		AMPS		SHORT CIRCUIT RATING:		22,000				
AMPS	POLES	TYPE	CIRCUIT DESCRIPTION	KVA	CKT	A	B	CKT	KVA	CIRCUIT DESCRIPTION	TYPE	POLES	AMPS			
30	2	NC	(E) RECTIFIERS #1 & #2	2.00	1	3.20		2	1.20	(E) RBS HEATER MAT	NC	1	20			
				2.00	3		2.18	4	0.18	(E) RBS GFI RECEP.	NC	1	20			
30	2	NC	(E) RECTIFIERS #3 & #4	2.00	5	4.00		6	2.00	(E) RECTIFIERS #7 & #8	NC	2	30			
				2.00	7		4.00	8	2.00							
30	2	NC	(E) RECTIFIERS #5 & #6	2.00	9	2.00		10	2.00	SPACE						
				2.00	11		2.00	12	2.00							
PHASE TOTAL						9.20		8.18	KVA	3						
ALL NEW BREAKERS SHALL MATCH EXISTING AIC RATING											TOTAL CONNECTED LOAD	17.38	KVA	72 A		
											TOTAL DEMAND LOAD	17.63	KVA	73 A		

- NOTES:**
- EXISTING MAIN AC PANEL WILL NOT BE REPLACED.
 - CONTRACTOR SHALL INSTALL AND RUN ANY NEW CONDUCTORS TOGETHER IN A NEW 1" EMT CONDUIT.
 - CONTRACTOR TO VERIFY EXISTING BREAKER SIZE AND CONNECTIONS IF THEY WILL BE RE-USED.
 - ADDITIONAL DC LOAD HAS BEEN INCLUDED IN THE AC LOAD CALCULATIONS.



JURISDICTIONAL APPROVAL

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Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

ELECTRICAL AC ONE-LINE DIAGRAM & PANEL SCHEDULE

Project No.:	220023600
Designer:	SB
Date:	12/02/21
Drawn By:	RR
Checked By:	SS
PM Review:	JR
Client Approval:	

Issue No.:

3

E01.1

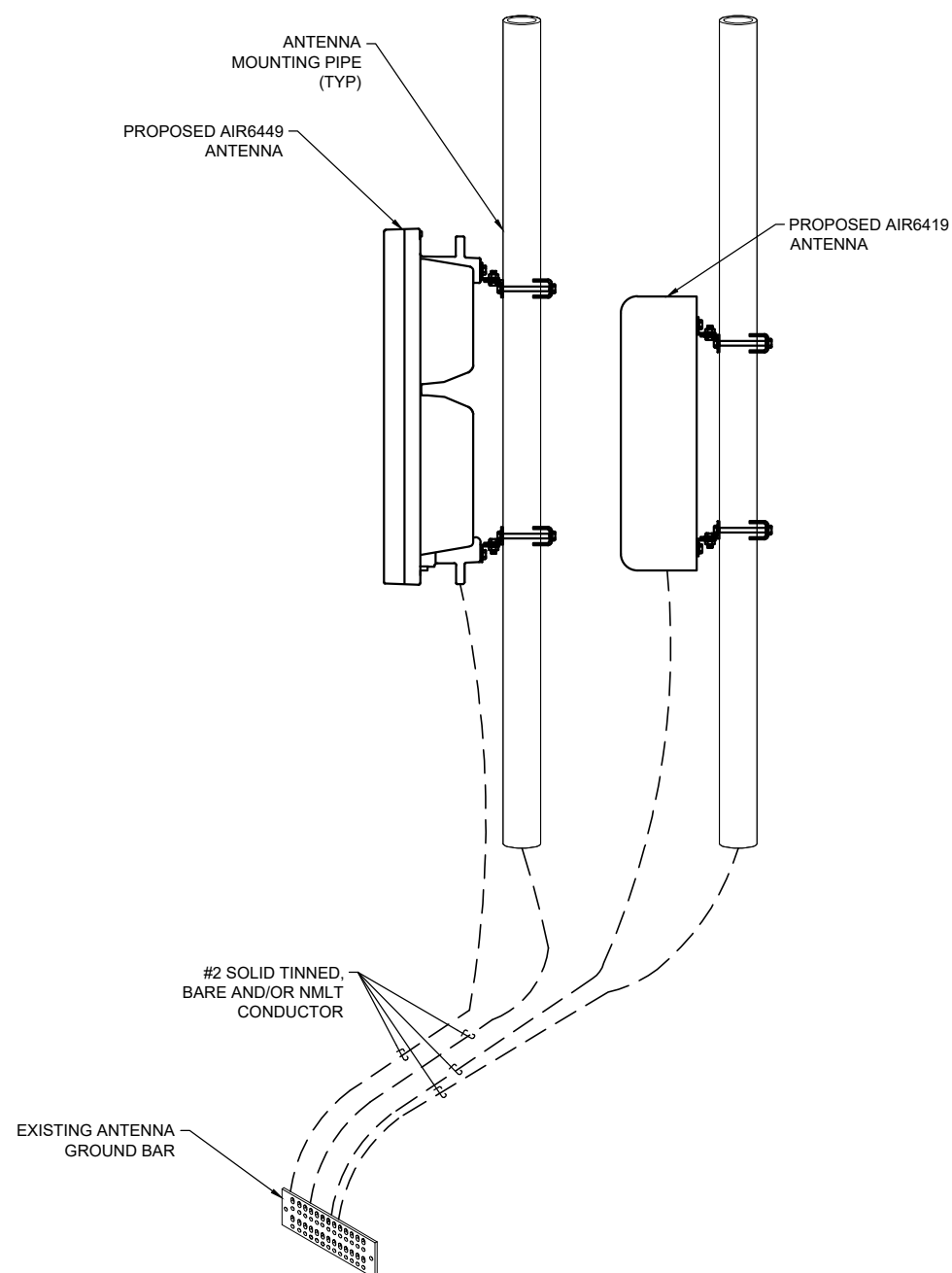
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ELECTRICAL AC ONE-LINE DIAGRAM & PANEL SCHEDULE

SCALE
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SCALE IS BASE ON 22" X 34" D" SIZE

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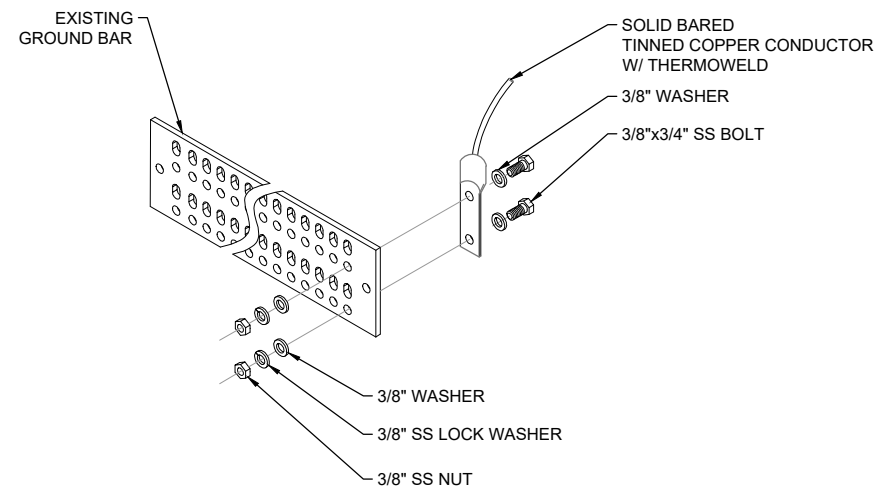
- NOTES:**
1. CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416. ALL EXOTHERMIC CADWELDS SHALL BE PERFORMED BY CERTIFIED TECHNICIAN.
 2. PROVIDE WEATHER PROOFING AND GROUNDING KIT TO BOND DC POWER CABLE SHIELD TO EXTERNAL HATCH PLATE GROUND BAR.
 3. PROVIDE GROUND CONNECTION FOR DC POWER CABLE SHIELD TO "P" SECTION OF CRGB WITHIN SHELTER.
 4. CONTRACTOR SHALL USE THEFT RESISTANT GROUND WIRES AND BARS WHEN FEASIBLE.
 5. CONTRACTOR SHALL MAINTAIN A 12" MINIMUM GROUND WIRE BEND RADII.
 6. GROUND LUGS, HEATSHRINK AND CLAMPS DEVICES SHALL COMPLY WITH AT&T GROUNDING AND BONDING PRACTICE TP-76416.

ANTENNA GROUNDING SCHEMATIC (TYP)

SCALE
N.T.S. 1

GROUNDING NOTES

SCALE
N.T.S. 3



NOTES:

1. UTILIZE EXISTING AT&T GROUND BARS AND GROUNDING.
2. ADD GROUND BARS IF THERE ARE INSUFFICIENT LUG POSITIONS.
3. REFERENCE AT&T BONDING & GROUNDING PRACTICE TP76416.

TYPICAL GROUND BAR CONNECTION DETAIL

SCALE
N.T.S. 2

1. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DOCUMENTS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
2. GUARANTEE/WARRANTY: GUARANTEE INSTALLATION TO BE FREE OF DEFECTS, SHORTS, GROUNDS, ETC., FOR A PERIOD OF ONE YEAR. FURNISH WARRANTY SO THE DEFECTIVE MATERIAL AND/OR WORKMANSHIP WILL BE REPAIRED/REPLACED IMMEDIATELY UPON NOTIFICATION AT NO COST TO THE OWNER FOR PERIOD OF WARRANTY.
3. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
4. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
5. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
6. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
7. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
8. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
9. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
10. CONTRACTOR SHALL REFER TO AT&T GROUNDING AND BONDING PRACTICE TP-76416.

JURISDICTIONAL APPROVAL



10/17/2023

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No. Date Action

Plans Prepared For:



10590 WEST OCEAN AIR DRIVE
SUITE 300
SAN DIEGO, CA 92130

Applicant:



Plans Prepared By:



Project:

JACKSON DR & MISSION GORGE RD
SITE ID: SD0538
8181 MISSION GORGE RD
SAN DIEGO, CA 92120
FA: 10086174

Drawing Title:

GROUNDING DETAILS

Project No.:

220023600

Designer:

SB

Date:

12/02/21

Drawn By:

RR

Checked By:

SS

PM Review:

JR

Client Approval

Issue No.:

0

E02.0

SCALE IS BASE ON 22" X 34" D" SIZE

ELECTRICAL NOTES

PART 1 – GENERAL

1.1 GENERAL CONDITIONS:

- A. CONTRACTOR SHALL INSPECT THE EXISTING SITE CONDITIONS PRIOR TO SUBMITTING BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE SUBCONTRACTORS FUNCTIONS, THE SCOPE OF WORK, OR ANY OTHER ISSUE RELATED TO THIS PROJECT SHALL BE BROUGHT UP DURING THE BID PERIOD WITH THE PROJECT MANAGER FOR CLARIFICATION, NOT AFTER THE CONTRACT HAS BEEN AWARDED.
- B. THE SUBCONTRACTOR SHALL OBTAIN PERMITS, LICENSES, MAKE ALL DEPOSITS, AND PAY ALL FEES REQUIRED FOR THE CONSTRUCTION PERFORMANCE FOR THE WORK UNDER THIS SECTION.
- C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. THE SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWING SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.

1.2 LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES.

- A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES. CONDUIT BENDS SHALL BE THE RADIUS BEND FOR THE TRADE SIZE OF CONDUIT IN COMPLIANCE WITH THE LATEST EDITIONS OF NEC.

1.3 REFERENCES:

- A. THE PUBLICATIONS LISTED BELOW ARE PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE. THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION UNLESS OTHERWISE NOTED. EXCEPT AS MODIFIED BY THE REQUIREMENT SPECIFIED HEREIN OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISION OF THESE PUBLICATIONS.

1. ANSI/IEEE (AMERICAN NATIONAL STANDARDS INSTITUTE)
2. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
3. ICE (INSULATED CABLE ENGINEERS ASSOCIATION)
4. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
5. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
6. OSHA (OCCUPATIONAL SAFETY MID HEALTH ADMINISTRATION)
7. UL (UNDERWRITERS LABORATORIES. NC.)
8. AT&T GROUNDING MID BONING STANDARDS TP-76416

1.4 SCOPE OF WORK:

- A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND ASSOCIATED SERVICES REQUIRED TO COMPLETE REQUIRED CONSTRUCTION AND BE OPERATIONAL.
- B. ALL ELECTRICAL EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY TESTED, ADJUSTED, AND ALIGNED BY THE SUBCONTRACTOR.
- C. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATING, DRAINING, TRENCHES, BACKFILLING. AND REMOVAL OF EXCESS DIRT.
- D. THE SUBCONTRACTOR SHALL FURNISH TO THE OWNER WITH CERTIFICATES OF A FINAL INSPECTION AND APPROVAL FROM THE INSPECTION AUTHORITIES HAVING JURISDICTION.
- E. THE SUBCONTRACTOR SHALL PREPARE A COMPLETE SET OF AS-BUILT DRAWINGS, DOCUMENT ALL WIRING EQUIPMENT CONDITIONS, AND CHANGES WHILE COMPLETING THIS CONTRACT. THE AS-BUILT DRAWINGS SHALL BE SUBMITTED AT COMPLETION OF THE PROJECT.

PART 2 – PRODUCTS

2.1 GENERAL:

- A. ALL MATERIALS AND EQUIPMENT SHALL BE UL LISTED, NEW, AND FREE FROM DEFECTS.
- B. ALL ITEMS OF MATERIALS AND EQUIPMENT SHALL BE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION AS SUITABLE FOR THE USE INTENDED.
- C. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE
- D. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING EQUAL TO OR GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH he ARE SUBJECTED, 10,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT.

2.2 MATERIALS AND EQUIPMENT:

A. CONDUIT:

1. RIGID METAL CONDUIT (RMC) SHALL BE HOT-DIPPED GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION 10 GALVANIZING
2. LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE UL LISTED
3. CONDUIT CLAMPS, STRAPS AND SUPPORTS SHALL BE STEEL OR MALLEABLE IRON. ALL FITTINGS SHALL BE COMPRESSION AND CONCRETE TIGHT TYPE. GROUNDING BUSHINGS WITH INSULATED THROATS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.
4. NONMETALLIC CONDUIT AND FITTINGS SHALL BE SCHEDULE 40 PVC. INSTALL USING SOLVENT-CEMENT-TYPE JOINTS AS RECOMMENDED BY THE MANUFACTURER.

B. CONDUCTORS AND CABLE:

1. CONDUCTORS AND CABLE SHALL BE FLAME-RETARDANT, MOISTURE AND HEAT RESISTANT THERMOPLASTIC SINGLE CONDUCTOR. COPPER. TYPE THIN/THWN-2. 600 VOLT. SIZE AS INDICATED. #12 AWG SHALL BE TIE MINIMUM SIZE CONDUCTOR USED.
2. #10 AWG AND SMALLER CONDUCTOR SHALL BE SOLID OR STRANDED MID #8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED.
3. SOLDERLESS, COMPRESSION-TYPE CONNECTORS SHALL BE USED FOR TERMINATION OF ALL STRANDED CONDUCTORS.
4. STRAIN-RELIEF SUPPORTS GRIPS SHALL BE HUBBELL KELLEMS OR APPROVED EQUAL. CABLES SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC AND CABLE MANUFACTURER'S RECOMMENDATIONS. ALL CONDUCTORS SHALL BE TAGGED AT BOTH ENDS OF THE CONDUCTOR, AT ALL PULL BOXES, J-BOXES.

5. EQUIPMENT AND CABINETS AND SHALL BE IDENTIFIED WITH APPROVED PLASTIC TAGS (ACTION CRAFT, BRADY, OR APPROVED EQUAL).

C. DISCONNECT SWITCHES:

1. DISCONNECT SWITCHES SHALL BE HEAVY DUTY. DEAD-FRONT, QUICK-MAKE, QUICK-BREAK, EXTERNALLY OPERABLE. HANDLE LOCKABLE AND INTERLOCK WITH COVER IN CLOSED POSITION. RATING AS INDICATED. UL LABELED FURNISHED IN NEMA 3R ENCLOSURE, SQUARE-D OR ENGINEERED APPROVED EQUAL.

D. CHEMICAL ELECTROLYTIC GROUNDING SYSTEM:

1. INSTALL CHEMICAL GROUNDING AS REQUIRED. THE SYSTEM SHALL BE ELECTROLYTIC MAINTENANCE FREE ELECTRODE CONSISTING OF RODS WITH A MINIMUM 2 AWG CU EXOTHERMALLY WELDED PIGTAIL, PROTECTIVE BOXES. AND BACKFILL MATERIAL MANUFACTURER SHALL BE LYNCOLE KIT GROUNDING ROD TYPES K2-(*)CS OR K2L-(*)CS (*) LENGTH AS REQUIRED.

2. GROUND ACCESS BOX SHALL BE A POLY PLASTIC BOX FOR NON-TRAFFIC APPLICATIONS, INCLUDING BOLT DOWN FLUSH COVER WITH "BREATHER" HOLES. KIT MODEL #XB-22. ALL DISCONNECT SWITCHES AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED LAMICOID NAMEPLATES INDICATING EQUIPMENT CONTROLLED. BRANCH CIRCUITS ID NUMBERING, AND THE ELECTRICAL POWER SOURCE.

3. BACKFILL MATERIAL SHALL BE LYNCONITE AND LYNCOLE GROUNDING GRAVEL.

E. SYSTEM GROUNDING:

1. ALL GROUNDING COMPONENTS SHALL BE TINNED AND GROUNDING CONDUCTOR SHALL BE 2 AWG BARE, SOLID, TINNED, COPPER. ABOVE GRADE GROUNDING CONDUCTORS SHALL BE INSULATED WHERE NOTED.
2. GROUNDING BUSES SHALL BE BARE. TINNED. ANNEALED COPPER BARS OF RECTANGULAR CROSS SECTION. STANDARD BUS BARS MGB, SHALL BE FURNISHED AND INSTALLED BY THE SUBCONTRACTOR. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD. ALL GROUNDING BUSES SHALL BE IDENTIFIED WITH MINIMUM 3/4" LETTERS BY WAY OF STENCILING OR DESIGNATION PLATE.
3. CONNECTORS SHALL BE HIGH-CONDUCTIVITY, HEAVY DUTY, LISTED AND LABELED AS GROUNDING FOR THE MATERIALS USED. USE TWO-HOLE COMPRESSION LUGS WITH HEAT SHRINK FOR MECHANICAL CONNECTIONS. INTERIOR CONNECTIONS USE TWO-HOLE COMPRESSION LUGS WITH INSPECTION WINDOW AND CLEAR HEAT SHRINK.

4. EXOTHERMIC WELDED CONNECTIONS SHALL BE PROVIDED IN KIT FORM AND SELECTED FOR THE SPECIFIC TYPES, SIZES, AND COMBINATIONS OF CONDUCTORS AND OTHER ITEMS TO BE CONNECTED.

5. GROUND RODS SHALL BE COPPER-CLAD STEEL WITH HIGH-STRENGTH STEEL CORE AND ELECTROLYTIC-GRADE COPPER OUTER SHEATH, MOLTEN WELDED TO CORE, 5/8"x10'-0". ALL GROUNDING RODS SHALL BE INSTALLED WITH INSPECTION SLEEVES.

6. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS IN COMPLIANCE WITH THE AT&T SPECIFICATIONS AND NEC. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULLBOXES, DISCONNECT SWITCHES, STARTERS AND EQUIPMENT CABINETS.

F. OTHER MATERIALS:

1. THE SUBCONTRACTOR SHALL PROVIDE OTHER MATERIALS, THOUGH NOT SPECIFICALLY DESCRIBED, WHICH ARE REQUIRED FOR A COMPLETELY OPERATIONAL SYSTEM AND PROPER INSTALLATION OF THE WORK.

2. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR REQUIRED BY NEC.

G. PANELS AND LOAD CENTERS:

1. ALL PANEL DIRECTORIES SHALL BE TYPEWRITTEN.

PART 3 – EXECUTION

3.1 GENERAL:

- A. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- B. EQUIPMENT SHALL BE TIGHTLY COVERED AND PROTECTED AGAINST DIRT OR WATER, AND AGAINST CHEMICAL OR MECHANICAL INJURY DURING INSTALLATION AND CONSTRUCTION PERIODS.

3.2 LABOR AND WORKMANSHIP:

- A. ALL LABOR FOR THE INSTALLATION OF MATERIALS AND EQUIPMENT FURNISHED FOR THE ELECTRICAL SYSTEM SHALL BE INSTALLED BY EXPERIENCED WIREMEN, IN A NEAT AND WORKMAN-LIKE MANNER.
- B. ALL ELECTRICAL EQUIPMENT SHALL BE ADJUSTED, ALIGNED AND TESTED BY THE SUBCONTRACTOR AS REQUIRED TO PRODUCE THE INTENDED PERFORMANCE.
- C. UPON COMPLETION OF WORK, THE SUBCONTRACTOR SHALL THOROUGHLY CLEAN ALL EXPOSED EQUIPMENT. REMOVE ALL LABELS AND ANY DEBRIS, CRATING OR CARTONS AND LEAVE THE INSTALLATION FINISHED AND READY FOR OPERATION.

3.3 COORDINATION:

- A. THE SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF ELECTRICAL ITEMS WITH THE OWNER-FURNISHED EQUIPMENT DELIVERY SCHEDULE TO PREVENT UNNECESSARY DELAYS IN THE TOTAL WORK.

3.4 INSTALLATION:

A. CONDUIT:

1. ALL ELECTRICAL WIRING SHALL BE INSTALLED IN CONDUIT AS SPECIFIED. NO CONDUIT OR TUBING OF LESS THAN 3/4 INCH TRADE SIZE.
2. PROVIDE RIGID PVC SCHEDULE 80 CONDUITS FOR ALL RISERS, RMC OTHERWISE NOTED. EMT MAY BE INSTALLED FOR EXTERIOR CONDUITS WHERE NOT SUBJECT TO PHYSICAL DAMAGE.
3. THE INSTALLATION OF SCHEDULE 40 PVC AND RMC CONDUITS SHALL BE 24 INCHES MINIMUM DEPTH. ALL 90 DEGREE BENDS SHALL BE RMC. EXPANSION JOINTS ARE REQUIRED ON ALL CONDUIT RISERS.
4. USE GALVANIZED FLEXIBLE STEEL CONDUIT WHERE DIRECT CONNECTION TO EQUIPMENT WITH MOVEMENT, VIBRATION, OR FOR EASE OF MAINTENANCE. USE LIQUID TIGHT, FLEXIBLE METAL CONDUIT FOR OUTDOOR APPLICATIONS. INSTALL GALVANIZED FLEXIBLE STEEL CONDUIT AT ALL POINTS OF CONNECTION TO EQUIPMENT MOUNTED ON SUPPORT TO ALLOW FOR EXPANSION AND CONTRACTION.
5. A RUN OF CONDUIT BETWEEN BOXES OR EQUIPMENT SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF THREE QUARTER-BENDS. CONDUIT BEND SHALL BE MADE WITH THE UL LISTED BENDER OR FACTORY 90 DEGREE ELBOWS MAY BE USED.

JURISDICTIONAL APPROVAL



10/17/2023

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0	03/03/22	ISSUED FOR PERMIT
C	01/04/22	100% CD SUBMITTAL
No.	Date	Action

Plans Prepared For:

MD7

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Drawing Title:

ELECTRICAL NOTES

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	E03.0

SCALE IS BASE ON 22" X 34" D" SIZE

ELECTRICAL NOTES

6. FIELD FABRICATED CONDUITS SHALL BE CUT SQUARE WITH A CONDUIT CUTTING TOOL AND REAMED TO PROVIDE A SMOOTH INSIDE SURFACE.
7. PROVIDE INSULATED GROUNDING BUSHING FOR ALL CONDUITS.
8. SUBCONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL CONDUITS DURING CONSTRUCTION. TEMPORARY OPENINGS IN THE CONDUIT SYSTEM SHALL BE PLUGGED OR CAPPED TO PREVENT ENTRANCE OF MOISTURE OR FOREIGN MATTER. SUBCONTRACTOR SHALL REPLACE ANY CONDUITS CONTAINING FOREIGN MATERIALS THAT CANNOT BE REMOVED.
9. ALL CONDUITS SHALL BE SWABBED CLEAN BY PULLING AN APPROPRIATE SIZE MANDREL THROUGH THE CONDUIT BEFORE INSTALLATION OF CONDUCTORS OR CABLES. CONDUIT SHALL BE FREE OF DIRT AND DEBRIS.
10. INSTALL PULL STRINGS IN ALL CLEAN EMPTY CONDUITS. IDENTIFY PULL STRINGS AT EACH END.
11. INSTALL 2" HIGHLY VISIBLE AND DETECTABLE TAPE 12" ABOVE ALL UNDERGROUND CONDUITS AND CONDUCTORS.
12. CONDUITS SHALL BE INSTALLED IN SUCH A MANNER AS TO INSURE AGAINST COLLECTION OF TRAPPED CONDENSATION.
13. PROVIDE CORE DRILLING AS NECESSARY FOR PENETRATIONS TO ALLOW FOR RACEWAYS AND CABLES TO BE ROUTED THROUGH THE BUILDING. DO NOT PENETRATE STRUCTURAL MEMBERS. SLEEVES AND/OR PENETRATIONS IN FIRE RATED CONSTRUCTION SHALL BE EFFECTIVELY SEALED WITH FIRE RATED MATERIAL WHICH SHALL MAINTAIN THE FIRE RATING OF THE WALL OR STRUCTURE. FIRE STOPS AT FLOOR PENETRATIONS SHALL PREVENT PASSAGE OF WATER, SMOKE, FIRE, AND FUMES. ALL MATERIAL SHALL BE UL APPROVED FOR THIS PURPOSE.

B. CONDUCTORS AND CABLE:

1 ALL POWER WIRING SHALL BE COLOR CODED AS FOLLOWS:

DESCRIPTION	208/240/120 VOLT SYSTEMS
PHASE A	BLACK
PHASE B	RED
PHASE C	BLUE
NEUTRAL	WHITE
GROUNDING	GREEN

4. SPLICES SHALL BE MADE ONLY AT OUTLETS, JUNCTION BOXES, OR ACCESSIBLE RACEWAY CONDULETS APPROVED FOR THIS PURPOSE.
5. PULLING LUBRICANTS SHALL BE UL APPROVED. SUBCONTRACTOR SHALL USE NYLON OR HEMP ROPE FOR PULLING CONDUCTOR OR CABLES INTO THE CONDUIT.
6. CABLES SHALL BE NEATLY TRAINED, WITHOUT INTERLACING AND BE OF SUFFICIENT LENGTH IN ALL BOXES & EQUIPMENT TO PERMIT MAKING A NEAT ARRANGEMENT. CABLES SHALL BE SECURED IN A MANNER TO AVOID TENSION ON CONDUCTORS OR TERMINALS. CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY AND MOISTURE. SHARP BENDS OVER CONDUIT BUSHINGS ARE PROHIBITED. DAMAGED CABLES SHALL BE REMOVED AND REPLACED AT THE SUBCONTRACTOR'S EXPENSE.

C. DISCONNECT SWITCHES:

1. INSTALL DISCONNECT SWITCHES LEVEL AND PLUMB. CONNECT TO WIRING SYSTEM AND GROUNDING SYSTEM AS INDICATED.

D. GROUNDING:

1. ALL METALLIC PARTS OF ELECTRICAL EQUIPMENT WHICH DO NOT CARRY CURRENT SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING MANUFACTURER, AT&T GROUNDING AND BONDING STANDARDS TP-76416, ND-00135, AND THE NATIONAL ELECTRICAL CODE.
2. PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEM INDICATED WITH ASSEMBLY OF MATERIALS, INCLUDING GROUNDING ELECTRODES, BONDING JUMPERS AND ADDITIONAL ACCESSORIES AS REQUIRED FOR A COMPLETE INSTALLATION.
3. ALL GROUNDING CONDUCTORS SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUNDING CONDUCTORS SHALL NOT BE LOOPED OR SHARPLY BENT. ROUTE GROUNDING CONNECTIONS AND CONDUCTORS TO GROUND IN THE SHORTEST AND STRAIGHTEST PATHS POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES.
4. BUILDINGS AND/OR NEW TOWERS GREATER THAN 75 FEET IN HEIGHT AND WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE SUBCONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP,

TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 AWG COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY). SEE STANDARD 6.3.2.2.

5. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT AVAILABLE, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUES SPECIFIED IN UL TO ASSURE PERMANENT AND EFFECTIVE GROUNDING. SUBCONTRACTOR SHALL VERIFY THE LOCATIONS OF GROUNDING TIE-IN-POINTS TO THE EXISTING.
 6. GROUNDING SYSTEM. ALL UNDERGROUND GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 7. ALL GROUNDING CONNECTIONS SHALL BE INSPECTED FOR TIGHTNESS. EXOTHERMIC WELDED CONNECTIONS SHALL BE APPROVED BY THE INSPECTOR HAVING JURISDICTION BEFORE BEING PERMANENTLY CONCEALED.
 8. APPLY CORROSION-RESISTANCE FINISH TO FIELD CONNECTIONS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATINGS HAVE BEEN DESTROYED. USE KOPR-SHIELD ANTI-OXIDATION COMPOUND ON ALL COMPRESSION GROUNDING CONNECTIONS.
 9. A SEPARATE, CONTINUOUS, INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
 10. BOND ALL INSULATED GROUNDING BUSHINGS WITH A BARE 6 AWG GROUNDING CONDUCTOR TO A GROUND BUS.
 11. DIRECT BURIED GROUNDING CONDUCTORS SHALL BE INSTALLED AT A NOMINAL DEPTH OF 36" MINIMUM BELOW GRADE, OR 6" BELOW THE FROST LINE, USE THE GREATER OF THE TWO DISTANCES.
 12. ALL GROUNDING CONDUCTORS EMBEDDED IN OR PENETRATING CONCRETE SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
 13. THE INSTALLATION OF CHEMICAL ELECTROLYTIC GROUNDING SYSTEM IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE SEALING TAPE FROM LEACHING AND BREATHER HOLES. INSTALL PROTECTIVE BOX FLUSH WITH GRADE.
 14. DRIVE GROUND RODS UNTIL TOPS ARE A MINIMUM DISTANCE OF 36" DEPTH OR 6" BELOW FROST LINE, USING THE GREATER OF THE TWO DISTANCES.
 15. IF COAX ON THE ICE BRIDGE IS MORE THAN 6 FT. FROM THE GROUNDING BAR AT THE BASE OF THE TOWER, A SECOND GROUNDING BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE, TO GROUND THE COAX CABLE GROUNDING KITS AND IN-LINE ARRESTERS.
 16. SUBCONTRACTOR SHALL REPAIR, AND/OR REPLACE, EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE SUBCONTRACTORS EXPENSE.
- 3.5 ACCEPTANCE TESTING:**
- A. CERTIFIED PERSONNEL USING CERTIFIED EQUIPMENT SHALL PERFORM REQUIRED TESTS AND SUBMIT WRITTEN TEST REPORTS UPON COMPLETION.
 - B. WHEN MATERIAL AND/OR WORKMANSHIP IS FOUND NOT TO COMPLY WITH THE SPECIFIED REQUIREMENTS, THE NON COMPLYING ITEMS SHALL BE REMOVED FROM THE PROJECT SITE AND REPLACED WITH ITEMS COMPLYING WITH THE SPECIFIED REQUIREMENTS PROMPTLY AFTER RECEIPT OF NOTICE FOR NON-COMPLIANCE.

C. TEST PROCEDURES:

1. ALL FEEDERS SHALL HAVE INSULATION TESTED AFTER INSTALLATION, BEFORE CONNECTION TO DEVICES. THE CONDUCTORS SHALL TEST FREE FROM SHORT CIRCUITS AND GROUNDS. TESTING SHALL BE FOR ONE MINUTE USING 1000V DC. PROVIDE WRITTEN DOCUMENTATION FOR ALL TEST LISTED TO SUBCONTRACTOR.
2. PRIOR TO ENERGIZING CIRCUITRY, TEST WIRING DEVICES FOR ELECTRICAL CONTINUITY AND PROPER POLARITY CONNECTIONS.
3. MEASURE AND RECORD VOLTAGES BETWEEN PHASES AND BETWEEN PHASE CONDUCTORS AND NEUTRALS. SUBMIT A REPORT OF MAXIMUM AND MINIMUM VOLTAGES.
4. PERFORM GROUNDING TEST TO MEASURE GROUNDING RESISTANCE OF GROUNDING SYSTEM USING THE IEEE STANDARD 3-POINT "FALL-OF-POTENTIAL" METHOD. PROVIDE PLOTTED TEST VALUES AND LOCATION SKETCH. NOTIFY THE ENGINEER IMMEDIATELY IF MEASURED VALUE IS OVER 5 OHMS.

JURISDICTIONAL APPROVAL



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No. Date Action

Plans Prepared For:

MD7

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Applicant:

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Plans Prepared By:

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Drawing Title:

ELECTRICAL NOTES

Project No.: 220023600	
Designer: SB	Date: 12/02/21
Drawn By: RR	Checked By: SS
PM Review: JR	Client Approval
Issue No.: 0	E04.0

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