

Report to the Hearing Officer

DATE ISSUED: May 10, 2023 REPORT NO. HO-23-022

HEARING DATE: May 24, 2023

SUBJECT: ATC 54th Street Frontage, Process Three Decision

PROJECT NUMBER: 694603

OWNER/APPLICANT: Calvary Evangelical Lutheran Church, Owner/American Tower Corporation &

Dish Wireless, Permittee

SUMMARY

<u>Issue (s):</u> Should the Hearing Officer approve a Wireless Communication Facility (WCF) located at 3060 54th Street, in the Mid-City Eastern Area Community Plan Area?

Staff Recommendation: Approve Conditional Use Permit (CUP) No. 2604426.

<u>Community Planning Group Recommendation</u>: On March 22, 2023, the Mid- City Eastern Area Community Planning Group voted 12-0-0 to recommend approval of the proposed project without conditions. (Attachment 7).

Environmental Review:

This project was determined to be categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines section (15301) (Existing Facilities). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on April 5, 2023 and the opportunity to appeal that determination ended on April 19, 2023.

BACKGROUND

An existing 30-foot faux mono-elm tree (faux tree) has housed antennas and Remote Radio Units (RRUs) for a Cricket Wireless WCF in the same location for over ten-years. Cricket Wireless no longer utilizes the existing facility; however, Dish Wireless, which is starting a new network in the San Diego Market, proposes to use the existing facility for their WCF antennas and equipment.

The project consists of a 30-foot-tall faux tree that conceals six (6) antennas and six (6) RRUs with associated ancillary equipment located on the ground near the faux tree, inside a 100-square-foot

enclosure. The site is located at 3060 54th Street, within the RS-1-7 zone of Mid-City: Eastern Area Community Plan area.

The site is developed with multiple church buildings and three other WCFs for Verizon, T-Mobile, and AT&T. The site is surrounded by single family residential to the north, south and west and 54th Street Frontage Road to the east. (Attachments 1, 2, and 3).

Pursuant to San Diego Municipal Code (SDMC) Section 141.0420(c)(1)(A)(i), the project requires a Conditional Use Permit (CUP), Process 3, Hearing Officer approval as the project is located in a residential zone on a premises that does not contain residential development but is located less than 100 feet from a residential property.

WCFs 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. Council Policy 600-43 (Wireless Communication Facilities) assign preference levels to WCFs proposed on different land uses, with Preference 1 being the highest preference and Preference 4 the lowest. The subject WCF is considered a Preference 3 as it is a non-residential facility in a residential zone requiring a CUP Process Three approval. This project is in an existing faux tree that has not been used since 2016. The original faux tree supported Cricket Wireless antennas approved by Development Services on October 16, 2006. The site has been vacant since 2016.

DISCUSSION

Dish Wireless proposes to use the existing 30-foot-tall faux tree to conceal six (6) antennas and six (6) RRUs with the associated ancillary equipment cabinets located inside an enclosure at ground level near the tree. (Attachment 6, Figure 1 and 2)





Figure 1 and 2: Existing and Proposed views

The faux tree is designed to conceal antennas within the branches and the WCF integrates with the existing landscape on site. The existing landscape on site helps blend the proposed antennas with the surroundings. In addition, the faux tree will be rebranched and new branches added to conceal the new Dish antennas. A branch spacing chart is included as part of the site justification to show the project meets the WCF regulations for the branch count (Attachment 12). The proposed

antennas are integrated with the existing faux tree with addition of new branches, similar in color, and rebranching of the tree. This method of integration conceals the antennas and reduces visual impact to the surrounding area as required per the design requirements of San Diego Municipal Code (SDMC) Section 141.0420(d) and the WCF Design Guidelines.

This wireless facility is located in the center of a large church property that spans from 54th Street to 53rd Street with two street frontages. The faux tree is located on the northwesterly portion of the property between two buildings, adjacent to one of the church's parking lots, in a landscaped area with the Verizon faux tree to the south. The faux tree is not visible from 54th Street (east) and only minimally visible from 53rd Street (west).

A site justification analysis was prepared by Dish Wireless demonstrating the need to provide service to this area (Attachment 11). There is no existing coverage map for this area since Dish has not established a WCF in this area. The service provided by this site will include the surrounding residential areas and 54th Street corridor. This is the only non-residential property in this immediate area and it houses three other carriers' WCFs (AT&T, T-Mobile, and Verizon).

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, by Waterford Consultants, was submitted on October 11, 2021 to the City verifying that the proposed project meets or exceeds the requirements of the FCC. Staff has reviewed and accepted this report. The report will be stamped as Exhibit "A" and provided within the project file.

Community Plan:

The Mid-City Eastern Community Plan does not contemplate or address WCFs. However, the City of San Diego's General Plan Section UD-15 requires that the visual impacts from wireless facilities be minimized by concealing WCFs inside existing structures or using screening techniques to hide or blend them into the surrounding area. The proposed upgrade of this WCF maintains the existing faux tree, which will have minimal visual impact to the surrounding area and remains in compliance with the City's General Plan Requirements. The design of the WCF is respectful of the neighborhood context and does not adversely affect the applicable land use plans. The City of San Diego's WCF regulations require that applicants use all reasonable means to conceal or minimize visual WCF impacts through integration among other existing uses through the use of architecture, landscape, and siting solutions.

Conclusion:

The project as designed complies with the WCF Regulations <u>SDMC141.0420</u>, Wireless Design Guidelines, <u>Council Policy 600-43</u> and Community Plan regulations. Staff has prepared draft findings in the affirmative to approve the project and recommends approval of Conditional Use Permit No. 2604460. (Attachments 4 and 5).

ALTERNATIVES

- 1. Approve Conditional Use Permit No. 2604460 with modifications.
- 2. Deny Conditional Use Permit No. 2604460 if the findings required to approve the project cannot be affirmed.

Respectfully submitted,

Nilia Safi, Development Project Manager

Attachments:

- 1. Aerial Map
- 2. Community Plan Land Use Map
- 3. Project Location Map
- 4. Draft Permit Resolution with Findings
- 5. Draft Permit with Conditions
- 6. Photo simulation
- 7. Community Planning Group Recommendation
- 8. Notice of Environmental Exemption
- 9. Project Plans
- 10. Ownership Disclosure Form
- 11. Coverage Map
- 12. Branch Spacing Chart
- 13. Photo Survey



Aerial Photograph

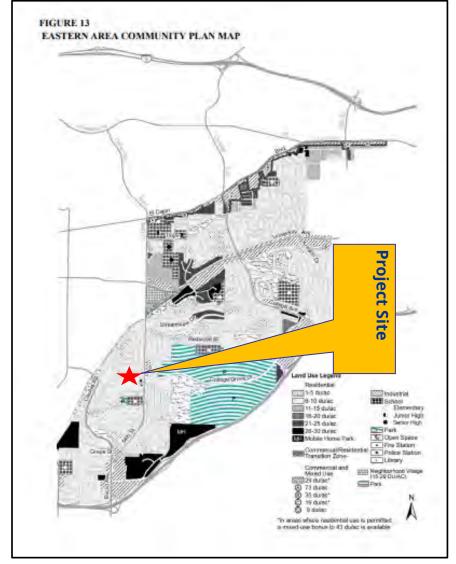




ATC- 54th Street Frontage Project No. 694603 3060 54th Street



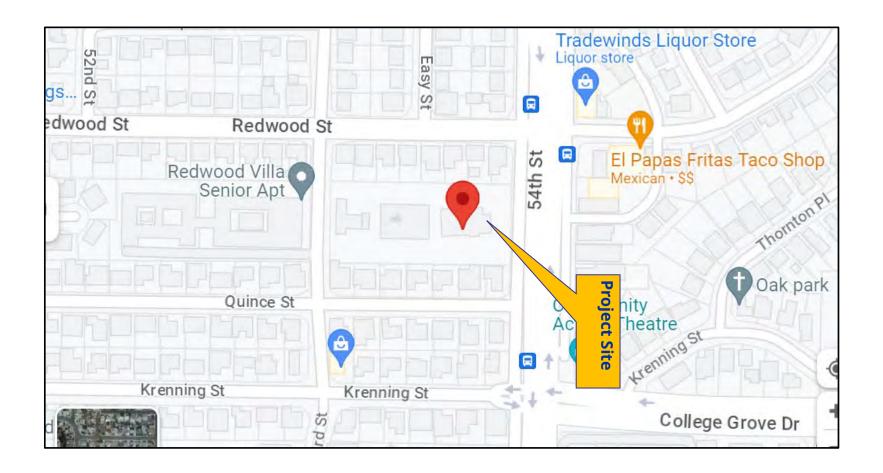
Eastern Area Community Land Use Map



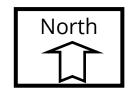




Project Location Map







HEARING OFFICER RESOLUTION NO. HO- XXXX CONDITIONAL USE PERMIT NO. 2604426 Dish Wireless ATC 54th Street

WHEREAS, Calvary Evangelical Lutheran Church, Owner, and American Tower Corporation and Dish Wireless, Permittees, filed an application with the City of San Diego for a permit for a Wireless Communication Facility (WCF) (as described in and by reference to the approved Exhibit "A" and corresponding conditions of approval for the associated Conditional Use Permit No. 2604426);

WHEREAS, the project site is located at 3060 54th Street, San Diego, in the RS-1-7 Zone of the Mid-City: Eastern Area Community Plan area;

WHEREAS, the project site is legally described as that portion of the southerly 200.00' to the northwest quarter of Section 34, Township 16, South; Range 2 West, San Bernardino meridian, Rancho Mission of San Diego, County of San Diego, State of California, said portion lying westerly of 54th Street as established by deed to the City of San Diego, recorded May 11, 1927 in Book 1309, Page 460 of deeds lying easterly of the southerly prolongation of the westerly line of 53rd Street, Map of Furlow Heights Unit No. 1, according to the Map No. 2504, filed in the Office of the County Recorder of San Diego, August 31, 1948, said southerly 200 feet being measured normal to the southerly line of said northwest quarter;

WHEREAS, on April 5, 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 Guidelines Section 15301 (Existing Facilities) and there was no appeal of the Environmental Determination filed within the time period provided by San Diego Municipal Code Section 112.0520;

WHEREAS, on May 24, 2023, the Hearing Officer of the City of San Diego considered Conditional Use Permit No. 2604426 pursuant to the Land Development Code of the City of San Diego; NOW THEREFORE,

BE IT RESOLVED by the Hearing Officer of the City of San Diego, that it adopts the following findings with respect to Conditional Use Permit No. 2604426:

A. CONDITIONAL USE PERMIT [SDMC Section 126.0305]

- 1. Findings for all Conditional Use Permits
 - a. The proposed development will not adversely affect the applicable land use plan.

Dish Wireless is proposing to modify and continue the use of an existing Wireless Communication Facility (WCF) consisting of a 30-foot-tall faux mono-elm tree (faux tree) that conceals six (6) antennas and six (6) Remote Radio Units (RRUs) with associated ancillary equipment located on grade. The site is located at 3060 54th Street, within the RS-1-7 zone of Mid-City: Eastern Area Community Plan area.

The Mid-City: Eastern Community Plan does not contemplate or address WCFs. However, the City of San Diego's General Plan Section UD-15 requires that the visual impacts from wireless facilities be minimized by concealing wireless facilities inside existing structures or using screening techniques to hide or blend them into the surrounding area. The proposed upgrade of this WCF by Dish Wireless to include rebranching and new branches will maintain the existing faux tree in place, which will have minimal visual impacts to the surrounding area and remain in compliance with the City's General Plan Requirements. Therefore, the proposed development would not adversely affect the Community Plan or the City of San Diego General Plan and Progress Guide.

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 CEQA Guidelines Section 15301 (Existing Facilities). The conditions of approval for the project will require compliance with several operational constraints and development controls intended to assure the continued public health, safety and welfare which include but are not limited to: height limitation, concealment requirements, and electromagnetic fields controls. All proposed improvement plans associated with the project will be reviewed prior to issuance of construction permits and inspected during construction to assure the project will meet or exceed all relevant and applicable building, electrical, mechanical, plumbing and fire codes.

The Telecommunication Act of 1996 preempts local governments from regulating the "placement, construction and modification of wireless communication facilities on the basis of the environmental effects of Radio Frequency (RF) emissions to the extent that such facilities comply with the Federal Communication Commission's (FCC) standards for such emissions."

A Radio Frequency – Electromagnetic Energy (RF-EME) Compliance Report dated October 11, 2021, from Waterford Consultants, was submitted to the City, and reviewed and accepted by staff verifying that the proposed project meets or exceeds the requirements of the FCC. 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 allowable deviations pursuant to the Land Development Code.

The project meets all applicable requirements and constraints of the zone. The WCF Regulations (LDC Section 141.0420) contain design requirements for WCFs, which include the requirement to utilize the smallest, least visually intrusive antennas, components and other necessary equipment. Additionally, the code requires the applicant to use all reasonable means to conceal or minimize the visual impacts of the wireless communication facilities through integration. Integration with existing structures or among other existing uses shall be accomplished through the use of architecture, landscape and siting solutions. The proposed project upgrades will include rebranching of and the addition of new branches to the existing faux tree and will improve the current WCF concealment at this site.

The project is an existing WCF facility with the antennas concealed within the branches of the faux tree. The existing location was the preferred location in the Mid-City Eastern Area Community Plan area as the site provides service to the surrounding residential development. The WCF design has used reasonable means to minimize any visual impact from the project. The faux tree is designed to conceal antennas within the branches and overall it blends with the existing landscape on site. This method of integration conceals the antennas and reduces visual impacts to the surrounding area as required by the design requirements of San Diego Municipal Code (SDMC) Section 141.0420(d) and the WCF Design Guidelines.

Based on these considerations, this project complies with the permit regulations and design requirements for WCF's as identified in the Land Development Code. Therefore, the proposed development will comply with the regulations of the Land Development Code and this project does not include any deviations.

ATTACHMENT 4

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

WCF's are permitted in residential zones with non-residential use with the processing of a Conditional Use Permit, Process 3. According to Council Policy 600-43, the preferred location for WCF's is in the Public Right-of-Way or within an industrial or commercial zone. If those locations are not available, a mixed-use area or area with non-residential use is preferred. Residentially zoned property with residential use is the least preferred location for WCF's. In this case, the WCF is located on premises in

a residential zone with non-residential use which is Preference 3.

A site justification analysis was prepared by Dish Wireless demonstrating the need to provide service to this area (Attachment 11). There is no existing coverage map for this area since Dish has not established a WCF in this area yet. The service provided by this site will include the surrounding residential areas and 54th Street corridor. This is the only non-residential property in this area and is currently utilized by three other carriers' WCFs (AT&T, T-Mobile, and Verizon). Therefore, the proposed use is

appropriate at the proposed location.

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

BE IT FURTHER RESOLVED that, based on these findings adopted by the Hearing Officer,

Conditional Use Permit No. 2604426 is hereby GRANTED by the Hearing Officer to the referenced

Owner/Permittee, in the form, exhibits, terms and conditions as set forth in CUP No. 2604426 a copy

of which is attached hereto and made a part hereof.

Nilia Safi

Development Project Manager

Development Services

Adopted on: May 24, 2023

IO#: 11004545

RECORDING REQUESTED BY

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

WHEN RECORDED MAIL TO PROJECT MANAGEMENT PERMIT CLERK MAIL STATION 501

INTERNAL ORDER NUMBER: 11003679

SPACE ABOVE THIS LINE FOR RECORDER'S USE

CONDITIONAL USE PERMIT NO. 2604426 ATC 54th Street Frontage PROJECT NO. 694603 HEARING OFFICER

This Conditional Use Permit No. 2604426 is granted by the Hearing Officer of the City of San Diego to Calvary Evangelical Lutheran Church, Owner, and American Tower Corporation and Dish Wireless, Permittees, pursuant to San Diego Municipal Code [SDMC] section 126.0303(b) and 141.0420. The site is located at 3060 54th Street in the RS-1-7 zone of the Mid-City: Eastern Area Community Plan. The project site is legally described as that portion of the southerly 200.00' to the northwest quarter of Section 34, Township 16, South; Range 2 West, San Bernardino meridian, Rancho Mission of San Diego, County of San Diego, State of California, said portion lying westerly of 54th Street as established by deed to the City of San Diego, recorded May 11, 1927 in Book 1309, Page 460 of deeds lying easterly of the southerly prolongation of the westerly line of 53rd Street, Map of Furlow Heights Unit No. 1, according to the Map No. 2504, filed in the Office of the County Recorder of San Diego, August 31, 1948, said southerly 200 feet being measured normal to the southerly line of said northwest quarter.

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 May 24, 2023, on file in the Development Services Department.

The project shall include:

- a. The continued operation of an existing WCF consisting of six (6) antennas and six (6) Remote Radio Units (RRU) concealed inside an existing 30-foot-tall mono-elm faux tree with the associated ancillary equipment inside a 100-square-foot enclosure adjacent to the tree on the ground.
- b. 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 June 7, 2026.
- 2. This Conditional Use Permit (CUP) and corresponding use of this site **shall expire on May 24, 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 the construction and installation of the WCF and approval of this Permit.
- 3. 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.
- 2. 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.
- 3. 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.
- 4. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.
- 5. 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.).
- 6. 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.

- 7. 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.
- 8. All of the conditions contained in this Permit have been considered and were determined necessary to make the findings required for approval of this Permit. The Permit holder is required to comply with each and every condition in order to maintain the entitlements that are granted by this Permit.

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

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

LANDSCAPE REQUIREMENTS:

10. 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.

11. 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.

ENGINEERING REQUIREMENTS:

12. Prior to the issuance of any construction permit the Owner/Permittee shall submit a Water Pollution Control Plan (WPCP). The WPCP shall be prepared in accordance with the guidelines in Part 2 Construction BMP Standards Chapter 4 of the City's Storm Water Standards.

WCF-TELECOM REQUIREMENTS:

- 13. 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.
- 14. No overhead cabling is permitted.
- 15. The WCF shall conform to the approved construction plans.
- 16. Photo simulations shall be printed in color on the construction plans.
- 17. The City may require the Owner/Permittee to provide a topographical survey conforming to the provisions of the SDMC 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.
- 18. The Owner/Permittee shall install and maintain appropriate warning signage on the WCF as required by State and Federal regulations. The Owner/Permittee shall be responsible for complying with all State and Federal regulations.
- 19. The accuracy and validity of the Radio Frequency (RF) Compliance Report, submitted by the Permittee, shall be assured while the WCF is in operation. If requested by the City, Owner/Permittee shall provide an updated RF Compliance Report to address any issues associated with the emitting components of the WCF.
- 20. 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.
- 21. 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.

- 22. 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 prior to installation of the WCF is required.
- 23. All proposed hand-holes shall be covered with bark material to match the mono-elm faux tree trunk to the satisfaction of the Development Services Department.
- 24. All coaxial conduits shall be routed up through the caisson and into the faux tree to the satisfaction of the Development Services Department. "Doghouse" cable housings are not permitted.
- 25. All branches at the antenna level shall extend a minimum of 24-inches beyond the entire vertical face of the proposed antennas to the satisfaction of the Development Services Department.
- 26. Starting faux tree branch height shall be no higher than 10-feet, as illustrated on the stamped, approved Exhibit "A."
- 27. All exposed cables, brackets and supports shall be painted to match the faux tree foliage to the satisfaction of the Development Services Department.
- 28. RF socks fully covering the front and back of the antennas (and any other components) shall be used.

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 discretionary permit alone does not allow the immediate commencement
 or continued operation of the proposed use on site. Any operation allowed by this
 discretionary permit may only begin or recommence after all conditions listed on this permit
 are fully completed and all required ministerial permits have been issued and received final
 inspection.
- Any party on whom fees, dedications, reservations, or other exactions have been imposed as
 conditions of approval of this Permit, may protest the imposition within ninety days of the

approval of this development permit by filing a written protest with the City Clerk pursuant to California Government Code-section 66020.

• This development may be subject to impact fees at the time of construction permit issuance.

APPROVED by the Hearing Officer of the City of San Diego on May 24, 2023.



Conditional Use Permit No. 2604426 Date of Approval: May 24, 2023

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES DEPARTMENT

Nilia Safi Development Project Manager

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

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

	Calvary Evangelical Lutheran Church Owner
	By NAME TITLE
Dish Wireless Permittee	American Tower Corporation Permittee
Ву	Ву
NAME	NAME
TITLE	TITLE

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









City of San Diego Development Services 1222 First Ave., MS-302 San Diego, CA 92101

Community Planning Committee Distribution Form

Project Name: 3060 54th Street	Project N PTS 6946	lumber: 503	
Community: Mid-City:Ea	stern Area		
log i	ope and contact information (project Notes and contact information (project Notes and input the Project N	a.com/SANDII	<u>GO</u> .
Vote to Approve□ Vote to Approve with N□ Vote to Approve with N□ Vote to Deny	Conditions Listed Below Non-Binding Recommendations L	isted Below	Date of Vote: November 08,
# of Members Yes 12	# of Members No 0	# of M	embers Abstain 0
Conditions or Recommend Motion was made to prov was completed.	lations: ride the needed document and r	minutes only a	after the landscaping
■ No Action (Please specify, e.g., Need fu	rther information, Split vote, Lack of quor	rum, etc.)	
	rther information, Split vote, Lack of quor	rum, etc.)	

NOTICE OF EXEMPTION

(Check	one or b	oth)		
TO:		Recorder/County Clerk P.O. Box 1750, MS A-33	From:	City of San Diego Development Services Department
		1600 Pacific Hwy, Room 260 San Diego, CA 92101-2400		1222 First Avenue, MS 501 San Diego, CA 92101
		Office of Planning and Research 1400 Tenth Street, Room 121 Sacramento, CA 95814		
Proje	ect Nar	me/Number: 54 th Street WCF/694603		
SCH	No.: N	ot Applicable		
Proje	ct Loc	ation-Specific: 3060 54 th Street, San Diego, CA 9	92105	
Proje	ct Loc	ation-City/County: San Diego/San Diego		
opera remo equip requi Resid unma	ation of te radi oment of red), (1 lential of anned of	of nature and purpose of the Project: Conding of an existing wireless communication facility (WC o units, (1) voltage protection device, (1) hybrid cabinet, (1) power conduit, (1) telco conduit, (1) to join fiber box (if required), and (1) meter socket. The (RS-1-7) zone of the Mid City Eastern Community and is not for human habitation.	F). The pro able, (1) slading elco-fiber be e property Planning a	oject would install (3) panel antennas, (6) ab on grade, (1) proposed PPC cabinet, (1) pox, (1) GPS unit, (1) safety switch (if is located at 3060 54th Street in the
Nam	e of Pu	Iblic Agency Approving Project: City of San Die	ego	
	e of Pe 208-46	erson or Agency Carrying Out Project: PlanCon 585	n, Inc., 302	. State Place, Escondido, CA 92029
Exem	Minist Declar Emerg Catego (Repla	erial (Sec. 21080(b)(1); 15268) red Emergency (Sec. 21080(b)(3); 15269(a)) gency Project (Sec. 21080(b)(4); 15269 (b)(c)) prical Exemption: Categorically exempt from CEC cement or reconstruction of existing facilities.) ory Exemptions:)A pursuar	nt to CEQA State Guidelines, Section 15302
the p	roject v riteria s	ny project is exempt: The City of San Diego cor would not have the potential for causing a significate forth in CEQA Section 15302 which allows for nd facilities where the new structure will be loca	cance effe the replac	ect on the environment. The project meets cement or reconstruction of existing

Lead Agency Contact Person: Jeff Szymanski **Telephone:** (619) 446-5234

the WCF. In addition, the exceptions listed in CEQA Section 15300.2 would not apply.

same purpose and capacity as the structure being replaced. The proposed project is modifying an existing wireless communication facility (WCF) and would replace old equipment with new without expanding the use of

 If filed by applicant: Attach certified document of exemption finding. 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 Janki Ognitura Itle	Senior Planner •	<u>April 25, 2023</u> Date	
Check One: ☐ Signed By Lead Agency ☐ Signed by Applicant		Date Received for Filing with County	Clerk or OPR:

dish wireless...

DISH WIRELESS, LLC. SITE ID:

SDSAN00276A

DISH WIRELESS, LLC. SITE ADDRESS:

3060 54TH ST SAN DIEGO, CA 92105

CALIFORNIA - CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

2019 CALIFORNIA BUILDING CODE (CBC)/2018 IBC MECHANICAL ELECTRICAL 2019 CALIFORNIA MECHANICAL CODE (CMC)/2018 UMC 2019 CALIFORNIA ELECTRICAL CODE (CEC)/2017 NEC

SHEET INDEX				
SHEET NO.	SHEET TITLE			
T-1	TITLE SHEET			
A-0	PARCEL PLAN			
A-1	OVERALL AND ENLARGED SITE PLAN			
L-1	LANDSCAPE PLAN			
A-2	ELEVATIONS			
A-2 A-3	ELEVATIONS			
A-3.1	TOWER MANUFACTURER DRAWINGS			
A-3.1	ANTENNA LAYOUT AND SCHEDULE			
A-5	EQUIPMENT PLATFORM AND H-FRAME DETAILS			
A-6				
A-7	EQUIPMENT DETAILS			
A-8	EQUIPMENT DETAILS EQUIPMENT DETAILS			
E-1	ELECTRICAL/FIBER ROUTE PLAN AND NOTES			
E-2	ELECTRICAL DETAILS			
E-3	ELECTRICAL ONE-LINE, FAULT CALCS & PANEL SCHEDULE			
G-1	GROUNDING PLANS AND NOTES			
G-2	GROUNDING PENAS AND NOTES			
G-3	GROUNDING DETAILS			
	CHOCKETO SERVED			
RF-1	RF CABLE COLOR CODE			
GN-1	LEGEND AND ABBREVIATIONS			
GN-1 GN-2	GENERAL NOTES			
GN-2 GN-3	GENERAL NOTES GENERAL NOTES			
GN-3 GN-4	GENERAL NOTES GENERAL NOTES			
GI4-4	GENERAL NOTES			
+				
				

SCOPE OF WORK

THE PROJECT PROPOSES TO CONTINUE OPERATION OF AN EXISTING WIRELESS COMMUNICATION FACILITY AND TO INCLUDE THE FOLLOWING MODIFICATIONS TO A 30 FOOT MONOPINE.

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIPMENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

TOWER SCOPE OF WORK:

INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)

INSTALL (3) PROPOSED ANTENNA MOUNTS (1 PER SECTOR)

INSTALL PROPOSED JUMPERS

INSTALL (6) PROPOSED RRUS (2 PER SECTOR)
INSTALL (1) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP)

INSTALL (1) PROPOSED HYBRID CABLE

GROUND SCOPE OF WORK:

INSTALL (1) PROPOSED SLAB ON GRADE

INSTALL (1) PROPOSED PPC CABINET

PROPOSED EQUIPMENT CABINET INSTALL PROPOSED POWER CONDUIT

INSTALL (1) PROPOSED TELCO CONDUIT

PROPOSED TELCO-FIBER BOX INSTALL (1) PROPOSED GPS UNIT

INSTALL (1) PROPOSED SAFETY SWITCH (IF REQUIRED) PROPOSED FIBER BOX (IF REQUIRED)

INSTALL (1) PROPOSED METER SOCKET

SITE PHOTO





UNDERGROUND SERVICE ALERT UTILITY NOTIFICATION CENTER OF CALIFORNIA (800) 422-4133 WWW.CALIFORNIA811.ORG

CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

GENERAL NOTES

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

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

3060 54TH ST SAN DIEGO, CA 92105

SITE INFORMATION

CALVARY EVANGELICAL LUTHERA CHURCH OF SAN DIEGO

TOWER TYPE: STEALTH - MONOPINE

TOWER CO SITE ID:

TOWER APP NUMBER: 13682564

SAN DIEGO

LATITUDE (NAD 83): 32° 44' 13.900" N 32.73719444

LONGITUDE (NAD 83): 117° 4' 51.500" W -117.0809722

ZONING JURISDICTION: CITY OF SAN DIEGO

ZONING DISTRICT: RESIDENTIAL

PARCEL NUMBER: 477-313-09-00

OCCUPANCY GROUP: U

POWER COMPANY:

CONSTRUCTION TYPE: V-B

TELEPHONE COMPANY: AT&T

NO SCALE

PROJECT DIRECTORY

DISH WIRELESS, LLC.

5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120

TOWER OWNER: AMERICAN TOWER

10 PRESIDENTIAL WAY WOBURN, MA 01801

ATC TOWER SERVICES, LLC **ENGINEER:**

> 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518

SITE ACQUISITION: CATHERINE LIM TBD

CONSTRUCTION MANAGER: PAUL HOKENESS

PAUL.HOKENESS@DISH.COM (858) 231-8889

LALAINE BERBA RF ENGINEER:

DRAWN BY: CHECKED BY: APPROVED BY SRF RFDS REV #:

5701 SOUTH SANTA FE DRIVE

LITTLETON, CO 80120

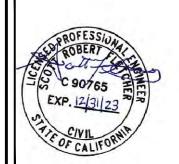
AMERICAN TOWER®

A.T. ENGINEERING SERVICE, PLLC

3500 REGENCY PARKWAY

CONSTRUCTION **DOCUMENTS**

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	4	03/21/2022	ADDED NOTE/UPDATED ELEV.
	5	01/26/2023	LANDSCAPING PLAN
		02/14/2023	EDIT NOTE COLOR



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A&E PROJECT NUMBER

370403-13682564

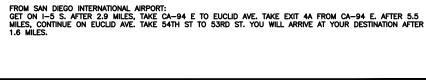
DISH WIRELESS, LLC. PROJECT INFORMATION SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



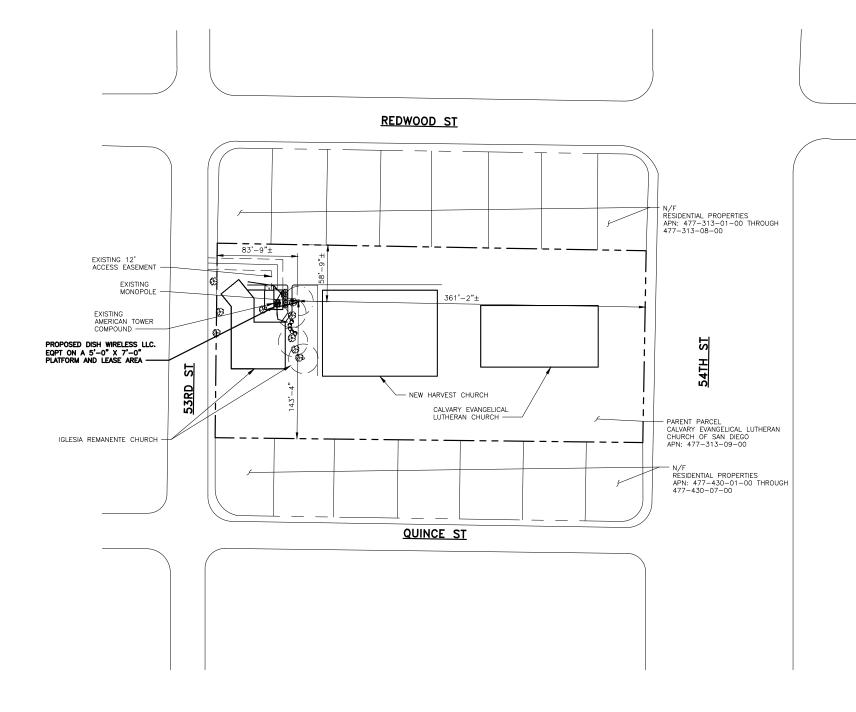
Chula Vista

Tijuana .

DIRECTIONS

VICINITY MAP

SITE LOCATION





5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



AMERICAN TOWER®

A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

	DRAWN E	3Y:	CHECKED	BY:	APPROVED	BY:
П	TJC		SRF		SRF	

RFDS REV #:

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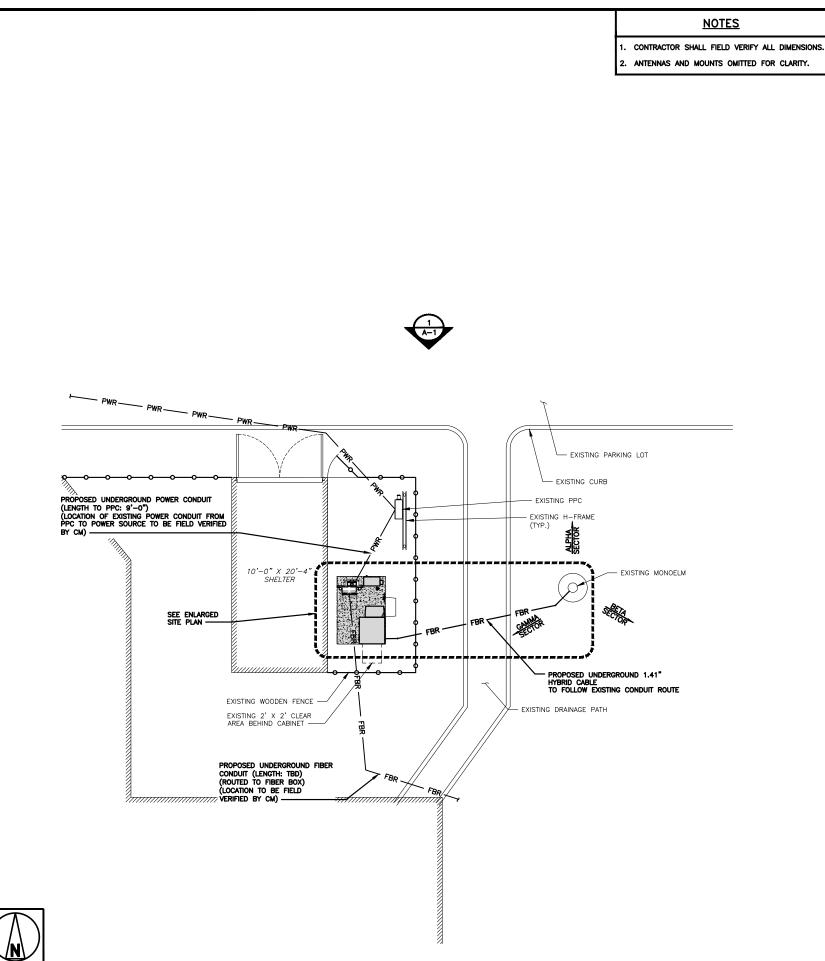
SHEET TITLE

PARCEL PLAN

SHEET NUMBER

A-0

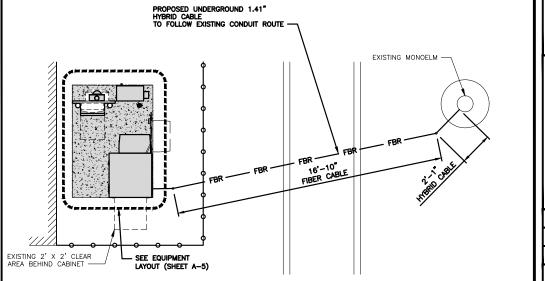
50' 25' 0 1"=50'



OVERALL SITE PLAN

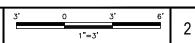
NOTES

- . CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
- 2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
- 3. ANTENNAS AND MOUNTS OMITTED FOR CLARITY.





ENLARGED SITE PLAN



(4) AN EXCEMENT FOR THE PURPOSE OF PUBLIC STREET HOUSE AS 53rd STREET RECORDED OCTOBER 21, 1102 IN BOOK 4531, PAGE TO CORPLICATED HERCORY TITLE REPORT
FIGURES BY TOOR TRE COMPANY
ORDER NO. 2229835 - 32
REPORT DATE: SEPTEMBER 29, 2005 GEOGRAPHIC COORDINATES AT PROPOSE MOS (MOZY) LATILIC SENTIAS LINGUIS HYDENICS (MOSS) LATILIC SENTIAS LINGUIS HYDENICS (E) AN EXEMENT FOR THE PURPOSE OFFICE UTILITIES RECORDED ALLY 29, 1992 AS INSTRUMENT NO. 1992-0473208 OUTSING PURITABLE) DATE OF SURPEY NOVEMBER 7, 2005 LEGAL DESCRIPTION ASSESSES PARCE, NO: 477-313-08-00 PROPOSED ACCESS RASEMENT
A POTEN OF THE TURNISH ZO DE DETT TO THE NORTHWEST QUARTER OF SECTION 24.
TORSESP TO STATE, DAVID, 2 MEST, 2544 IRRANGENO METRIAN, PARADO METRIAN COM CONTROL A TRANSPORT OF SAME DEPO, THE OF LATER OF CHARGONA, 6 MEM A TRANSPORT AND CONTROL AND C RASES OF REARINGS STATE PLANE COORDINATES OF 198 REVISIONS PRESCRIPTION OF SECURIMENT LACKES, ASSET THESE MISSES WISSEN STATES, AND FIRST THEORY SOUTH SOUTH STATES, AND FIRST THEORY SOUTH SOUTH SOUTH SECURITY THEORY SOUTH SOUTH SOUTH SECURITY THEORY SOUTH SECURITY THEORY SOUTH SECURITY THEORY SOUTH SECURITY TO THE POINT OF SECURITY SOUTH SECURITY S A STATE OF THE STA (1) AN EASTMENT FOR THE PURPOSE OF THE LATING AND MINISTERACE OF INSTER PIPES AND MINISTRECORDED JALY 20, 1626 IN BOOK 1404, PAGE 107 OF DEEDS/BLANKET IN INSTANCE. 2) AN EXCEPT FOR THE PLEPOSE OF POLES, MISS, AND ANCHORAGE FOR THE TRANSMISSION OF ELECTRICITY RECORDED WARCH 5, 1928 M BOOK 1402, PAGE 522 OF DETERMINATION MISSION 3 MI EXCENDED FOR PUBLIC STREET PURPOSES, RECORDED MIGUIST 13, 1661 IN BOOK 4200 PAGE 101 OF OFFICIAL RECORDS, (DOCUMENT NOT AVAILABLE) THE INFORMATION CONTINUED IN THIS SET OF EXCLMENTS IS PROPRESTAY OF INSTITUTE, ANY LIST ON ESCLICIAL CHIEF THAN THAT WHICH RELATES TO CLIENT HAVE IS STRICTLY PROHIBED CLIENT HAVE IS STRICTLY PROHIBED. CAL VADA



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



AMERICAN TOWER

A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

DRAWN BY:	CHECKED BY:	APPROVED BY:
TJC	SRF	SRF

RFDS REV #:

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A&E PROJECT NUMBER

370403-13682564

DISH WIRELESS, LLC. PROJECT INFORMATION SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

SHEET TITLE
SITE PLAN
OVERALL AND ENLARGED

SHEET NUMBER

A-1

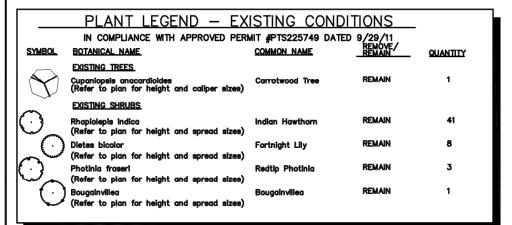
0 10' 20' 1 EXISTING

EXISTING SURVEY (BY OTHERS)

NO SCALE

cricket

A-



CONTRACTOR TO RELOCATE OR REPLACE ALL AFFECTED VEGETATION. FIELD VERIFY EXISTING CONDITIONS. LANDSCAPING SHOWN IS APPROXIMATE.
CONTRACTOR SHALL MAINTAIN MINIMUM COUNT OF LANDSCAPING & VERIFY IN-FIELD. ADD ANY

MISSING VEGETATION TO MEET REQUIRED COUNT.

ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY AMERICAN TOWER CORP. LANDSCAPE AND IRRIGATION AREAS IN THE PUBLIC RIGHT-OF-WAY SHALL BE MAINTAINED BY AMERICAN TOWER CORP. THE LANDSCAPE AREAS SHALL BE MAINTAINED FREE OF DEBRIS AND LITER, 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

EXISTING TREES TO REMAIN ON SITE WITHIN THE AREA OF WORK WILL BE PROTECTED IN PLACE. THE FOLLOWING PROTECTION MEASURES WILL BE PROVIDED:

A BRIGHT YELLOW OR ORANGE TEMPORARY FENCE WILL BE PLACED AROUND EXISTING TREES AT THE DRIP LINE

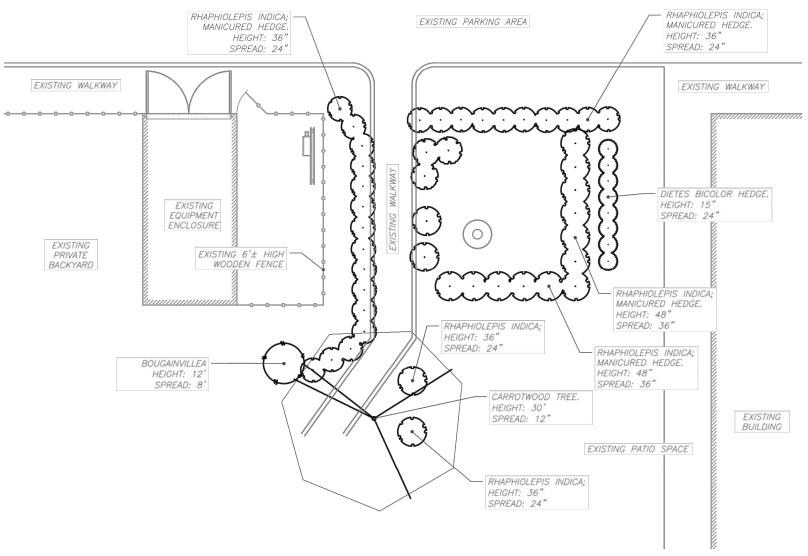
STOCKPILING, TOPSOIL DISTURBANCE, VEHICLE USE, AND MATERIAL STORAGE OF ANY KIND IS PROHIBITED WITHIN THE DRIP LINE.

A TREE WATERING SCHEDULE WILL BE MAINTAINED AND DOCUMENTED DURING CONSTRUCTION.

ALL DAMAGED TREES WILL BE REPLACED WITH ONE OF EQUAL OR GREATER SIZE.

 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.

WATER POLLUTION CONSTRUCTION PLAN (WPCP) IS REQUIRED FOR THIS PROJECT. TO BE CREATED AND ISSUED TO PLAN REVIEWERS PER CM'S DIRECTION.







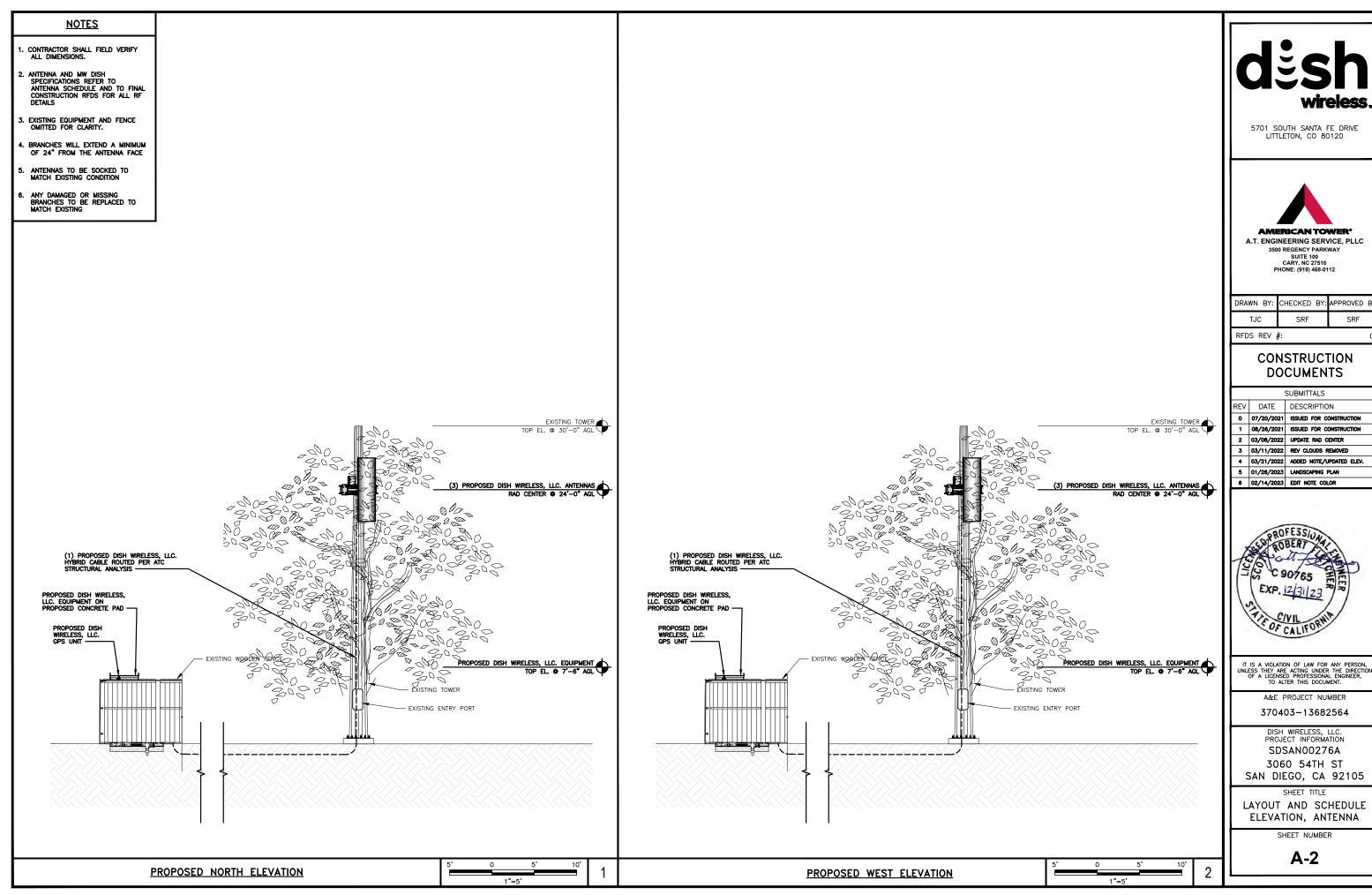
EXISTING LANDSCAPE PLAN

SHEET NUMBER:

REVISION:

L-1

EXISTING LANDSCAPE PLAN





DRAWN BY:	CHECKED BY:	APPROVED BY:
TJC	SRF	SRF

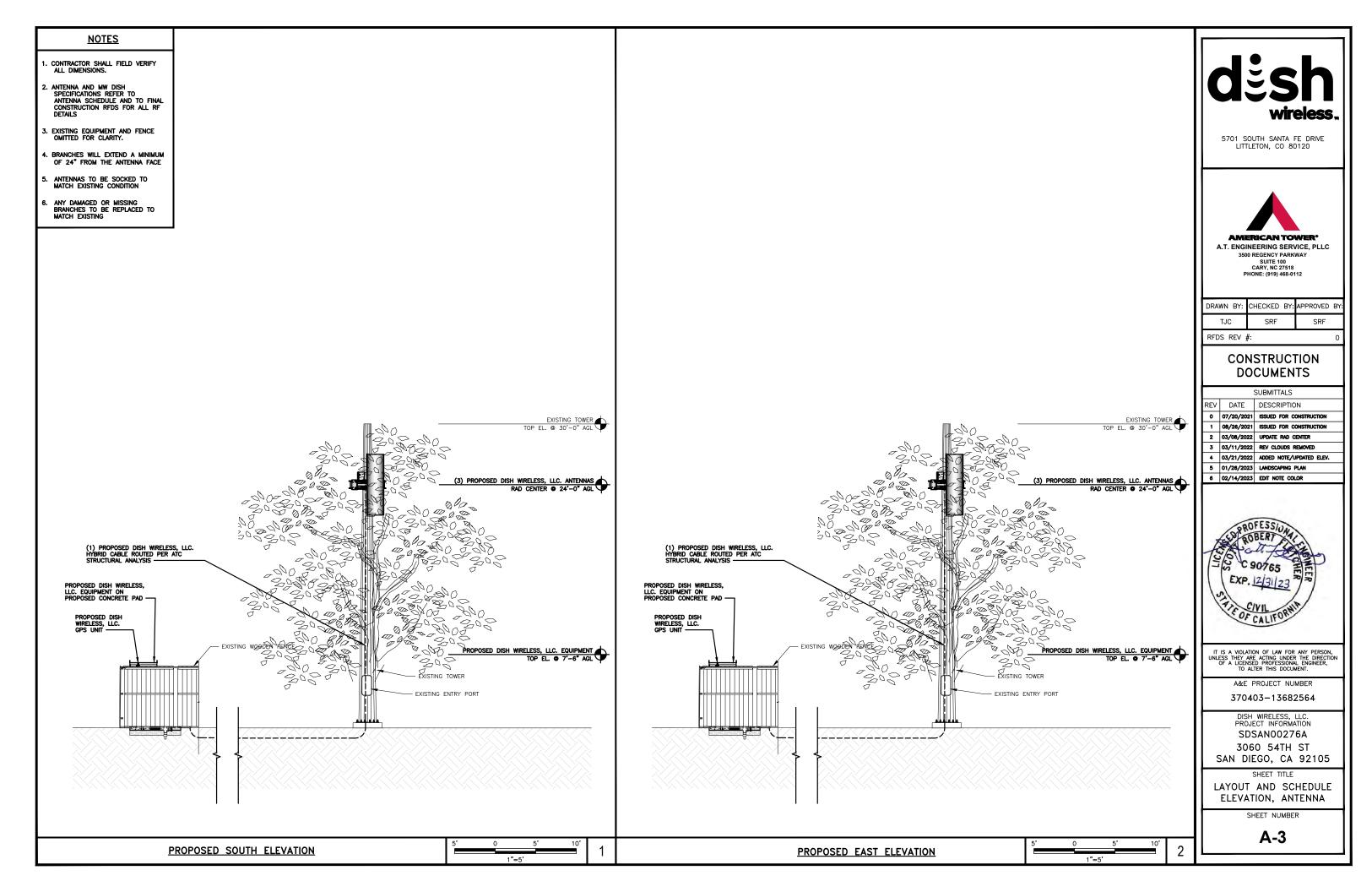
CONSTRUCTION

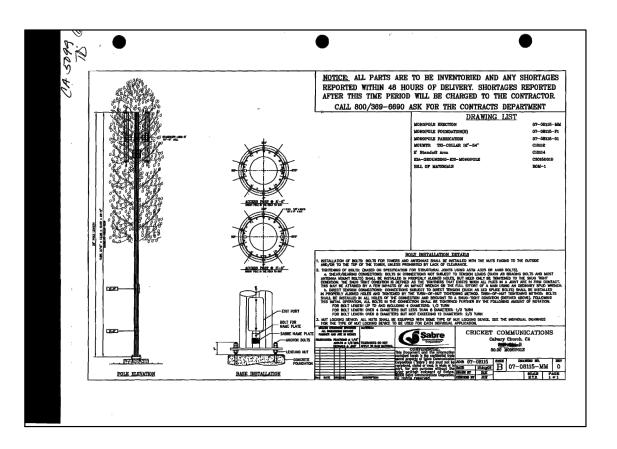
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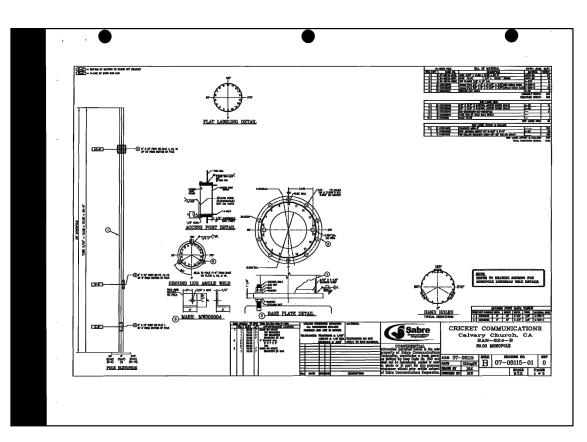


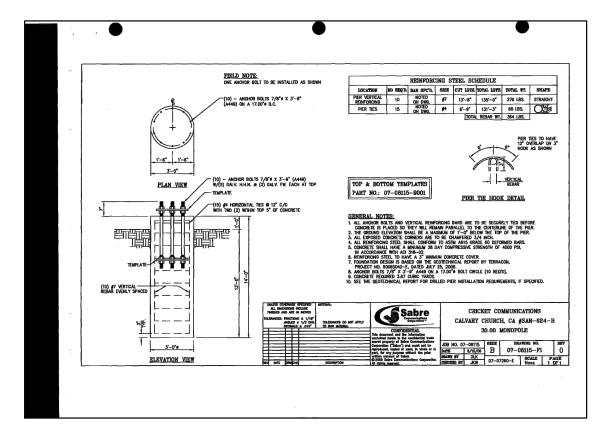
SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

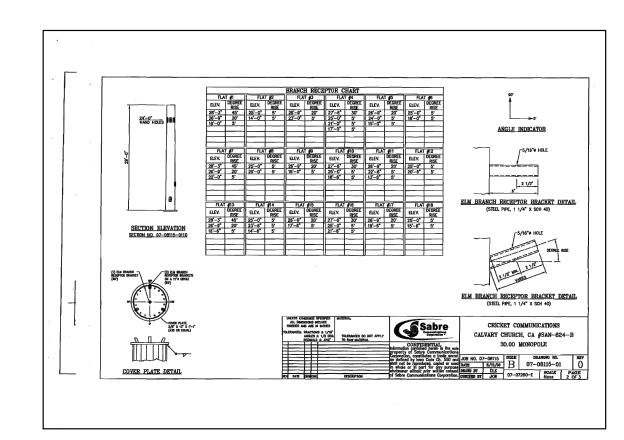
LAYOUT AND SCHEDULE ELEVATION, ANTENNA













5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



AMERICAN TOWER

A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518

	DRAWN BY:	CHECKED BY:	APPROVED BY:
Ш	TJC	SRF	SRF

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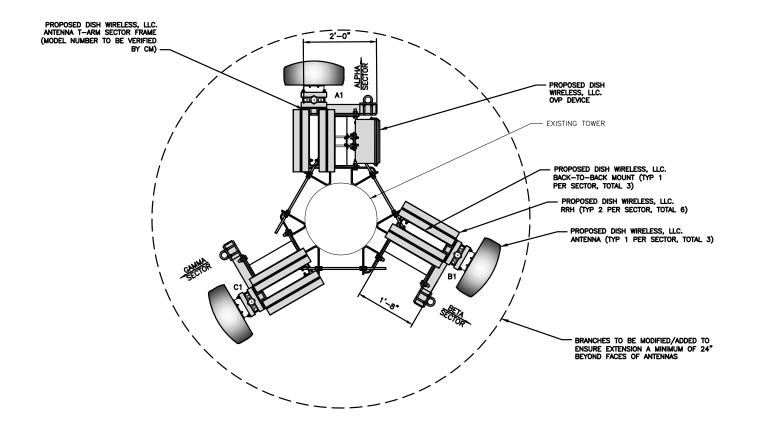
370403-13682564

DISH WIRELESS, LLC. PROJECT INFORMATION SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

SHEET TITLE
DRAWINGS
TOWER MANUFACTURER

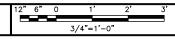
SHEET NUMBER

A-3.1





ANTENNA LAYOUT



SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER — MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	MX08FR0665-21	5G	72.0" × 20.0"	o.	24'-0"	(1) HIGH-CAPACITY
BETA	B1	PROPOSED	MX08FR0665-21	5G	72.0" x 20.0"	120°	24'-0"	(1) HIGH—CAPACITY HYBRID CABLE (57' LONG)
GAMMA	C1	PROPOSED	MX08FR0665-21	5G	72.0" × 20.0"	240°	24'-0"	(37 EONS)

	POSITION	RRH		
SECTOR		MANUFACTURER — MODEL NUMBER	TECHNOLOGY	
ALPHA	A1	TA08025-B604	LTE	
ALPHA	A1	TA08025-B605	LTE	
BETA	B1	TA08025-B604	LTE	
DEIA	B1	TA08025-B605	LTE	
GAMMA	C1	TA08025-B604	LTE	
GAMMA	C1	TA08025-B605	LTE	

<u>NOTES</u>

ANTENNA SCHEDULE

- CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
- ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.



5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



AMERICAN TOWER®

A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

DRAWN	BY:	CHECKED	BY:	APPROVED	BY:
TJC	:	SRF		SRF	

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SAN DIEGO, CA 92105

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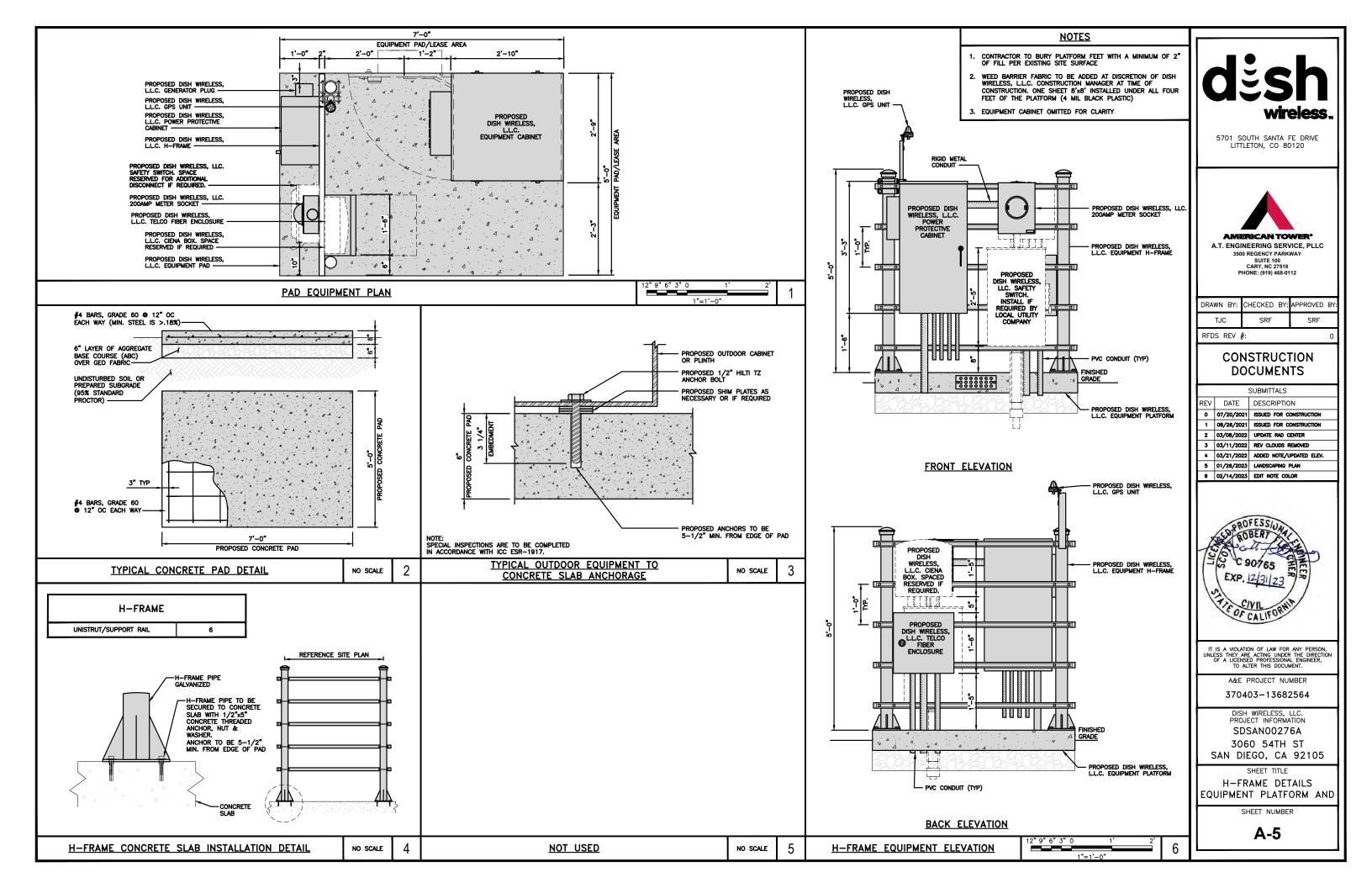
LAYOUT AND SCHEDULE

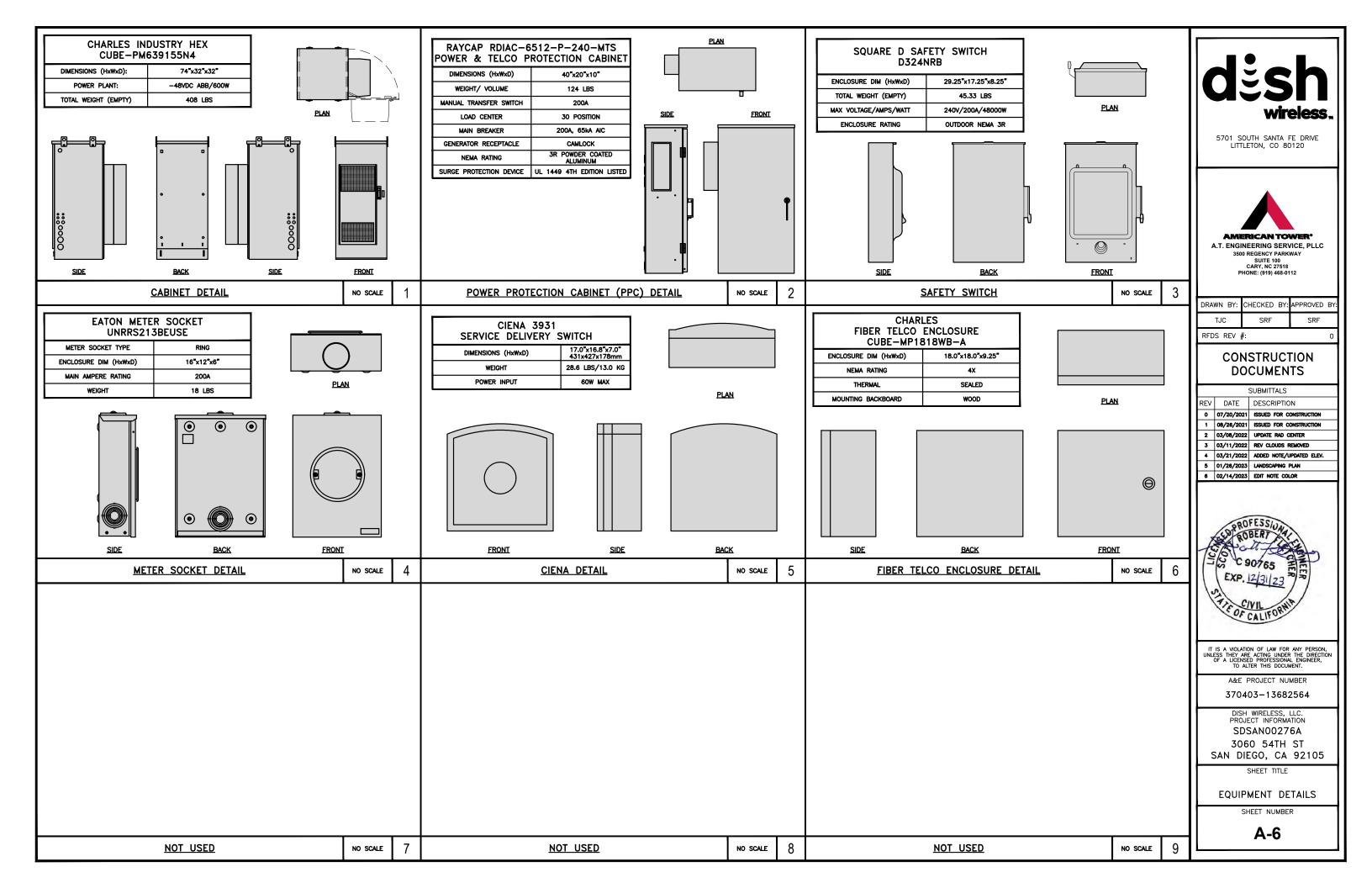
ELEVATION, ANTENNA

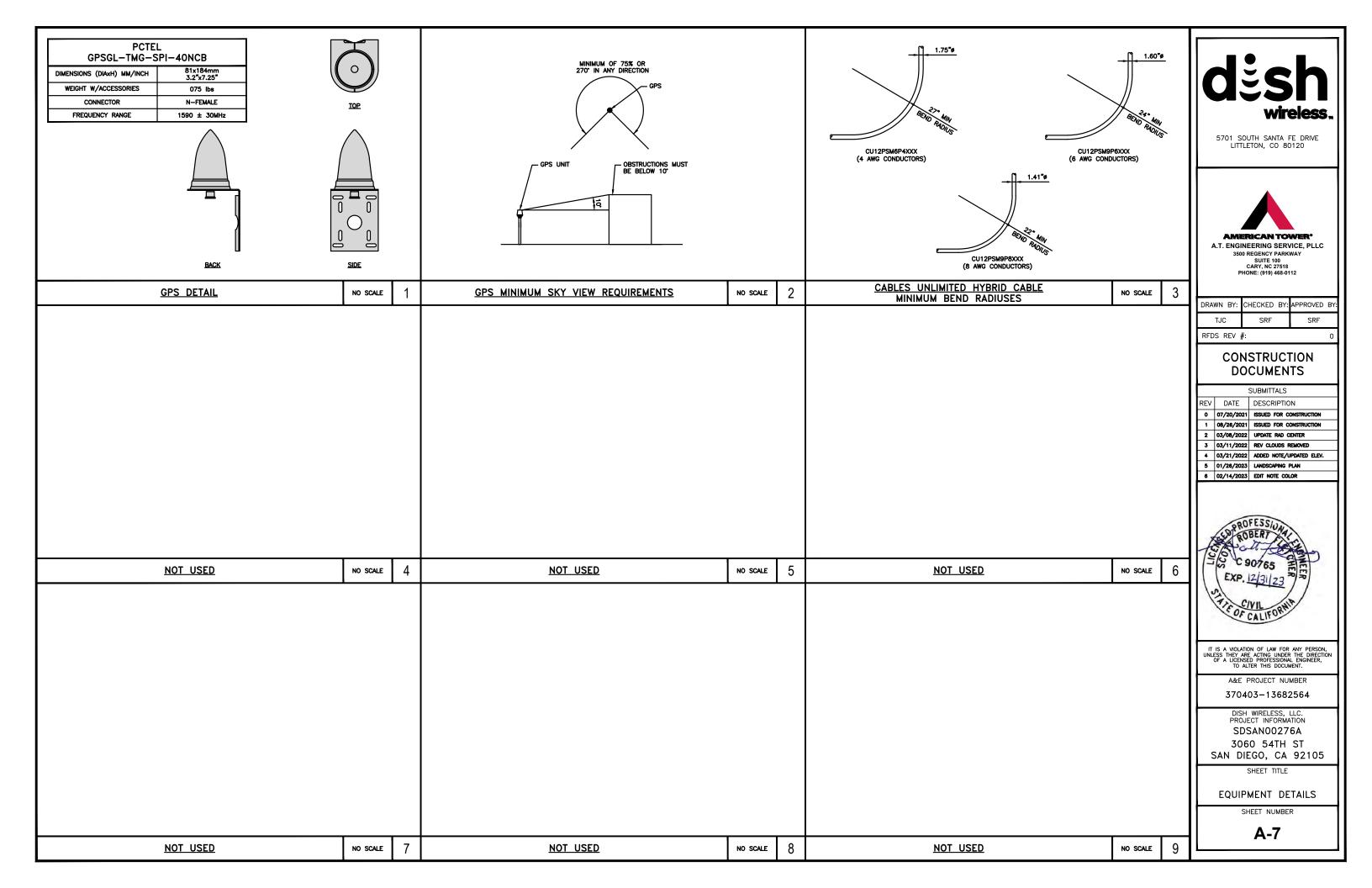
SHEET NUMBER

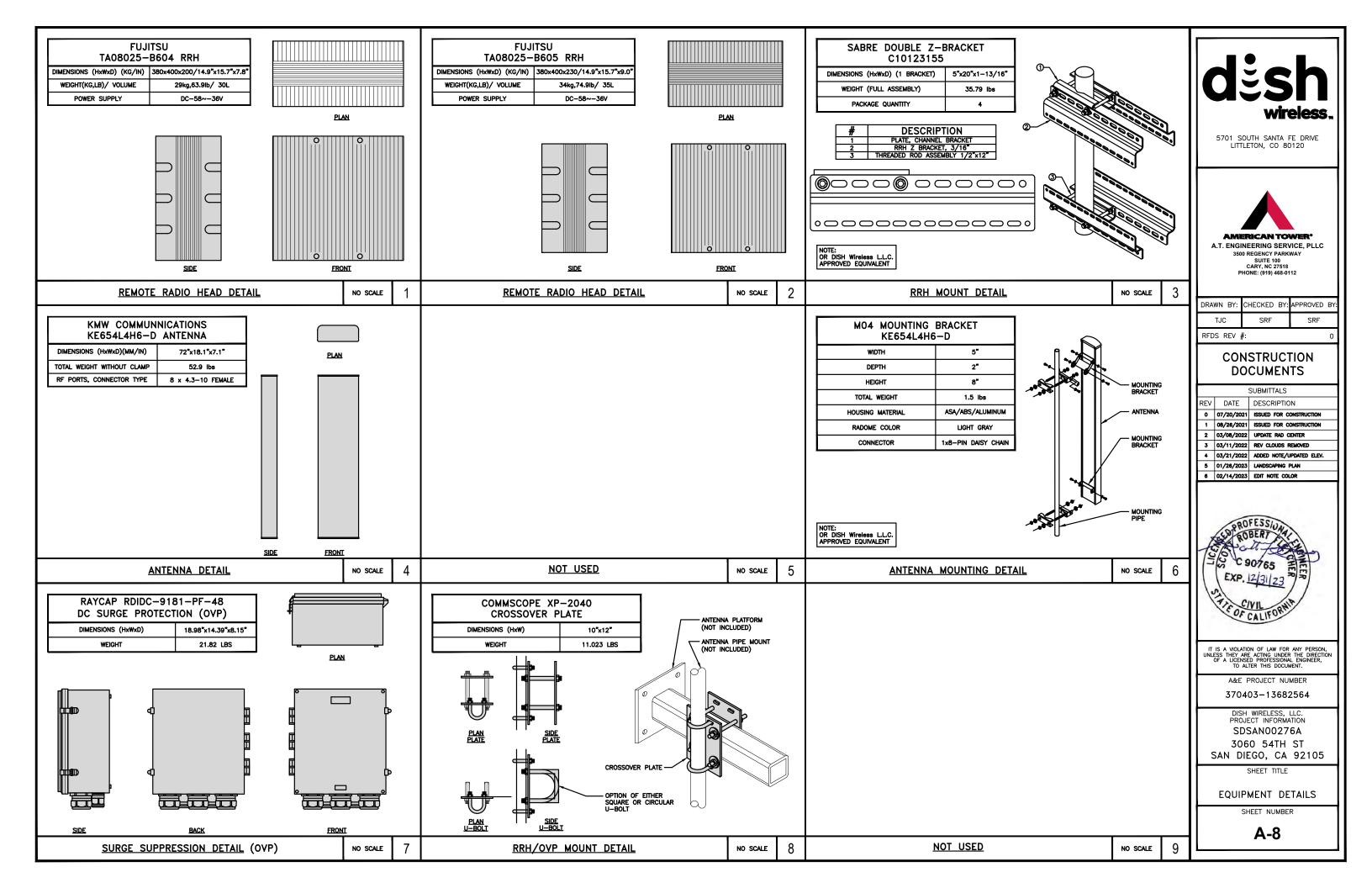
A-4

NO SCALE









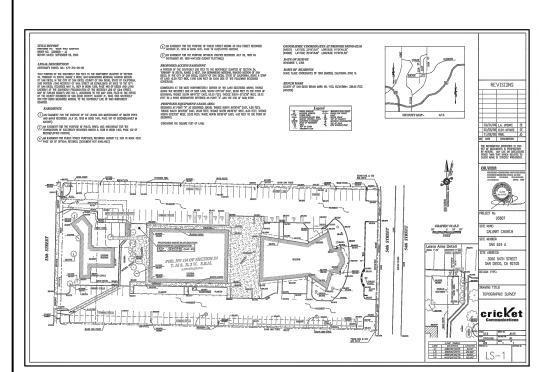
NOTES

- THE EASEMENT RIGHTS FOR THIS SITE DO NOT INCLUDE A SPECIFIED AREA FOR THE LOCATION OF UTILITIES. CONSTRUCTION CONTRACTOR MUST FIELD VERIFY THE APPROPRIATENESS OF ALL PROPOSED UTILITY ROUTES
- ANTENNAS AND MOUNTS OMITTED FOR CLARITY.
- GC TO REFER TO FINAL UTILITY COORDINATION DOCUMENT FOR ALL MEET ME POINTS AND

DC POWER WIRING SHALL BE COLOR CODED AT EACH END FOR IDENTIFYING $\pm 24V$ and $\pm 48V$ conductors. RED MARKINGS SHALL IDENTIFY $\pm 48V$.

- 1. CONTRACTOR SHALL INSPECT THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID. ANY QUESTIONS ARISING DURING THE BID PERIOD IN REGARDS TO THE CONTRACTOR'S 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.
- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH CURRENT NATIONAL ELECTRICAL CODES AND ALL STATE AND LOCAL CODES, LAWS, AND ORDINANCES. PROVIDE ALL COMPONENTS AND WIRING SIZES AS REQUIRED TO MEET NEC STANDARDS.
- 3. LOCATION OF EQUIPMENT, CONDUIT AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE COORDINATED WITH FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- CONDUIT ROUGH—IN SHALL BE COORDINATED WITH THE MECHANICAL EQUIPMENT TO AVOID LOCATION CONFLICTS. VERIFY WITH THE MECHANICAL EQUIPMENT CONTRACTOR AND COMPLY AS REQUIRED.
- 5. CONTRACTOR SHALL PROVIDE ALL BREAKERS, CONDUITS AND CIRCUITS AS REQUIRED FOR A COMPLETE SYSTEM.
- 6. CONTRACTOR SHALL PROVIDE PULL BOXES AND JUNCTION BOXES AS REQUIRED BY THE NEC ARTICLE 314.
- 7. CONTRACTOR SHALL PROVIDE ALL STRAIN RELIEF AND CABLE SUPPORTS FOR ALL CABLE ASSEMBLIES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- 8. ALL DISCONNECTS AND CONTROLLING DEVICES SHALL BE PROVIDED WITH ENGRAVED PHENOLIC NAMEPLATES INDICATING EQUIPMENT CONTROLLED, BRANCH CIRCUITS INSTALLED ON, AND PANEL FIELD LOCATIONS FED FROM.
- 9. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS PER THE SPECIFICATIONS AND NEC 250. THE EQUIPMENT GROUNDING CONDUCTORS SHALL BE BONDED AT ALL JUNCTION BOXES, PULL BOXES, AND ALL DISCONNECT SWITCHES, AND
- 10. ALL NEW MATERIAL SHALL HAVE A U.L. LABEL.
- 11. PANEL SCHEDULE LOADING AND CIRCUIT ARRANGEMENTS REFLECT POST-CONSTRUCTION EQUIPMENT.
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PANEL SCHEDULE AND SITE DRAWINGS.
- 13. ALL TRENCHES IN COMPOUND TO BE HAND DUG

ELECTRICAL NOTES NO SCALE





5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120



AMERICAN TOWER® A.T. ENGINEERING SERVICE, PLLC

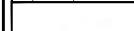
3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

DRAWN BY:	CHECKED BY:	APPROVED BY:	
TJC	SRF	SRF	

RFDS REV #:

CONSTRUCTION **DOCUMENTS**

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		1	08/26/2021	ISSUED FOR CONSTRUCTION
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7		3	03/11/2022	REV CLOUDS REMOVED
		4	03/21/2022	ADDED NOTE/UPDATED ELEV.
		5	01/26/2023	LANDSCAPING PLAN
	П		02/14/2023	EDIT NOTE COLOR





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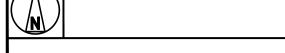
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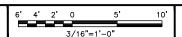
DISH WIRELESS, LLC. PROJECT INFORMATION SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

SHEET TITLE PLAN AND NOTES ELECTRICAL/FIBER ROUTE

SHEET NUMBER

E-1





- EXISTING PARKING LOT

- EXISTING MONOELM

- EXISTING CURB

EXISTING PPC

EXISTING DRAINAGE PATH

(TYP.)

10'-0" X 20'-4'

EXISTING WOODEN FENCE

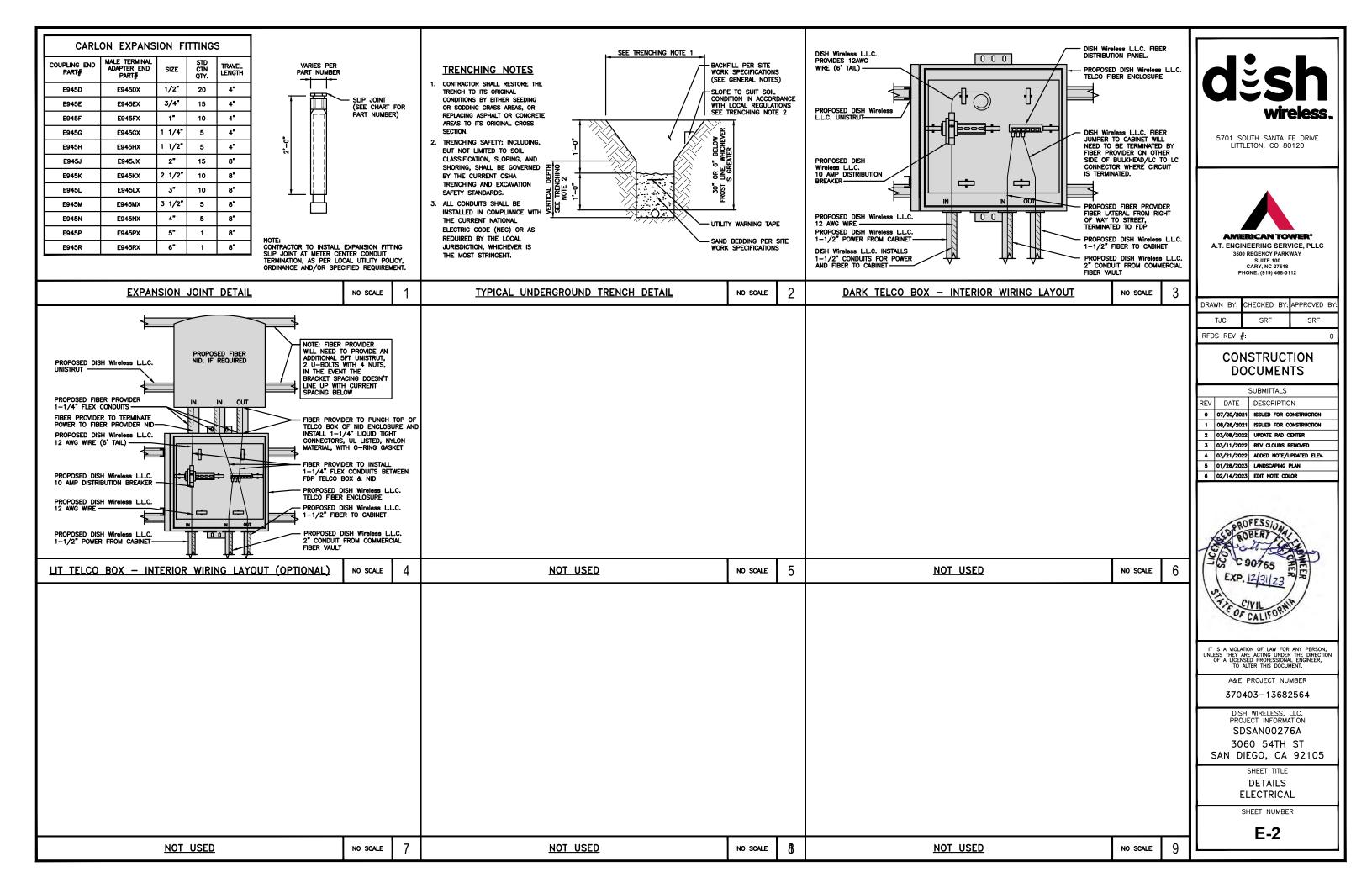
PROPOSED UNDERGROUND FIBER

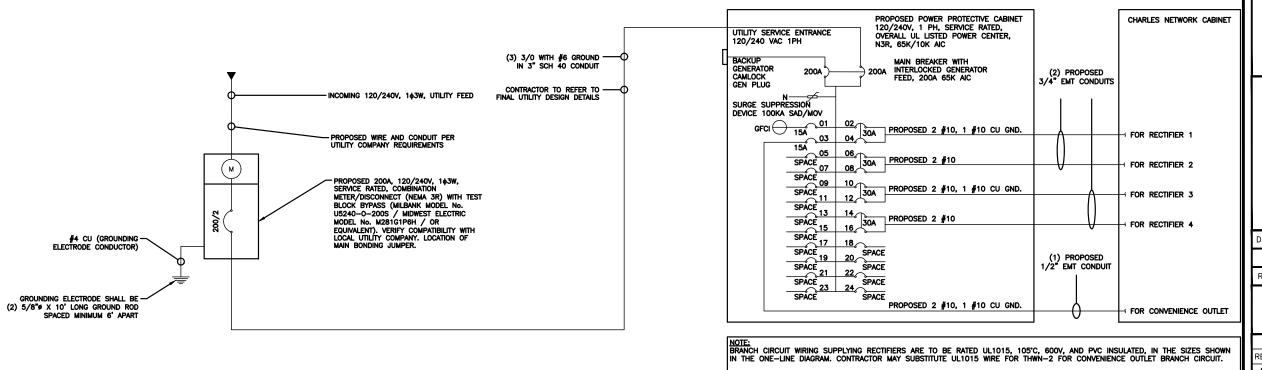
CONDUIT (LENGTH: TBD) (ROUTED TO FIBER BOX)

(LOCATION TO BE FIELD

PROPOSED UNDERGROUND POWER CONDUIT (LENGTH TO PPC: 9'-0") (LOCATION OF EXISTING POWER CONDUIT FROM PPC TO POWER SOURCE TO BE FIELD VERIFIED

PROPOSED METER & DISCONNECT (COORDINATE WITH LOCAL UTILITY



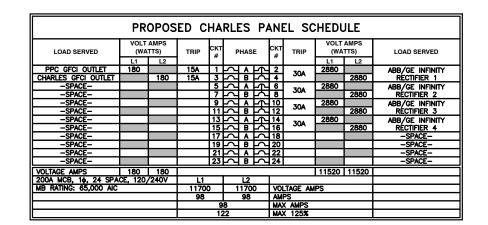


2

NO SCALE

PPC ONE-LINE DIAGRAM NO SCALE 1

(4) 30A, 2P BREAKER - SQUARE D P/N:Q0230
(2) 15A, 1P BREAKER - SQUARE D P/N:Q0115



PANEL SCHEDULE

NOT USED NO SCALE 3



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TJC	;	SRF		SRF	

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		02/14/2023	FOIT NOTE COLOR			



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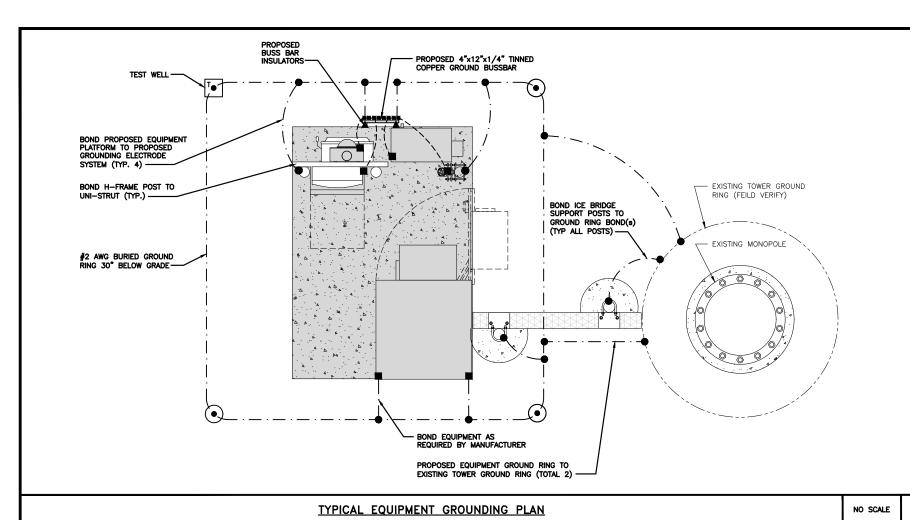
370403-13682564

DISH WIRELESS, LLC.
PROJECT INFORMATION
SDSAN00276A
3060 54TH ST
SAN DIEGO, CA 92105

SHEET TITLE
CALCS & PANEL SCHEDULE
LECTRICAL ONE-LINE, FAUL

SHEET NUMBER

E-3



LAYOUT IS FOR REFERENCE ONLY

AWG STRANDED COPPER GREEN INSULATED (TYP PROPOSED 4"x6"x1/4" TINNED COPPER SECTOR GROUND BUSS BAR (TYP OF (3)) PROPOSED #2 AWG STRANDED COPPER PROPOSED GROUND BUSS BAR GREEN INSULATED (TYP) INSULATORS (TYP)

PROPOSED UPPER TOWER GROUND BUSS BAR

TYPICAL ANTENNA GROUNDING PLAN

NOTES

NO SCALE

ANTENNAS AND OVP SHOWN ARE GENERIC AND NOT REFERENCING TO A SPECIFIC MANUFACTURER. THIS

- (A) EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE AND APPROXIMATELY 24 INCHES FROM THE EXTERIOR WALL OR FOOTING.
- B TOWER GROUND RING: THE GROUND RING SYSTEM SHALL BE INSTALLED AROUND AN ANTENNA TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN BROWNERS FOR THE TOWER'S LEGS, AND/OR GUY ANCHORS. WHERE SEPARATE SYSTEMS HAVE BEEN PROVIDED FOR THE TOWER AND THE BUILDING, AT LEAST TWO BONDS SHALL BE MADE BETWEEN THE TOWER RING GROUND SYSTEM AND THE BUILDING RING GROUND SYSTEM USING MINIMUM #2 AWG SOLID COPPER CONDUCTORS.

- F CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) #2 SOLID TINNED COPPER CONDUCTORS.
- USING (2) TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
- J TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR OR EXTERIOR GROUND RING.
- INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LOCATED WITH THE AREA OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE
- M FENCE AND GATE GROUNDING: METAL FENCES WITHIN 7 FEET OF THE EXTERIOR GROUND RING OR OBJECTS BONDED TO THE EXTERIOR GROUND RING SHALL BE BONDED TO THE GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTOR AT AN INTERVAL NOT EXCEEDING 25 FEET. BONDS SHALL BE MADE AT EACH
- $\underbrace{\text{N}}_{\text{N}} \text{ exterior unit bonds: metallic objects, external to or mounted to the building, shall be bonded to the exterior ground ring. Using <math>\#2$ tinned solid copper wire
- (P) ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR. PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED
- Q DURING ALL DC POWER SYSTEM CHANGES INCLUDING DC SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPPED WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY CONNECTED TO THE CELL SITE REFERENCE (COLUMN) BAR
- (R) TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT COLLAR. REFER TO DISH WIRELESS, LLC. GROUNDING NOTES.

TEST GROUND ROD WITH INSPECTION SLEEVE

---- #6 AWG STRANDED & INSULATED

 $-\cdot--\cdot$ #2 AWG SOLID COPPER TINNED

▲ BUSS BAR INSULATOR

GROUNDING LEGEND

1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.

EXOTHERMIC CONNECTION

MECHANICAL CONNECTION

GROUND BUS BAR

GROUND ROD

 (\bullet)

- CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEC SECTION 250 AND DISH WIRELESS, LLC. GROUNDING AND BONDING REQUIREMENTS AND MANUFACTURER'S SPECIFICATIONS.
- 3. ALL GROUND CONDUCTORS SHALL BE COPPER; NO ALUMINUM CONDUCTORS SHALL BE USED.

GROUNDING KEY NOTES

- © INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN
- D BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE
- G HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH TWO #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR GROUND RING
- (H) EXTERIOR CABLE ENTRY PORT GROUND BARS; LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING, BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
- K FRAME BONDING: THE BONDING POINT FOR TELECOM EQUIPMENT FRAMES SHALL BE THE GROUND BUS THAT IS NOT ISOLATED FROM THE EQUIPMENTS METAL FRAMEWORK.

AND NOTES GROUNDING PLANS

SHEET NUMBER

5701 SOUTH SANTA FE DRIVE

LITTLETON, CO 80120

MERICAN TOWER

A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY

SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

CONSTRUCTION

DOCUMENTS

SUBMITTALS

DATE DESCRIPTION

0 07/20/2021 ISSUED FOR CONSTRUCTION

1 08/26/2021 ISSUED FOR CONSTRUCTION

4 03/21/2022 ADDED NOTE/UPDATED ELEV.

ROBERT

C 90765

EXP. 12/31/23

OF CALIFORN

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A&E PROJECT NUMBER

370403-13682564 DISH WIRELESS, LLC. PROJECT INFORMATION

SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105 SHEET TITLE

2 03/08/2022 UPDATE RAD CENTER 3 03/11/2022 REV CLOUDS REMOVED

5 01/26/2023 LANDSCAPING PLAN

6 02/14/2023 EDIT NOTE COLOR

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TJC

RFDS REV #

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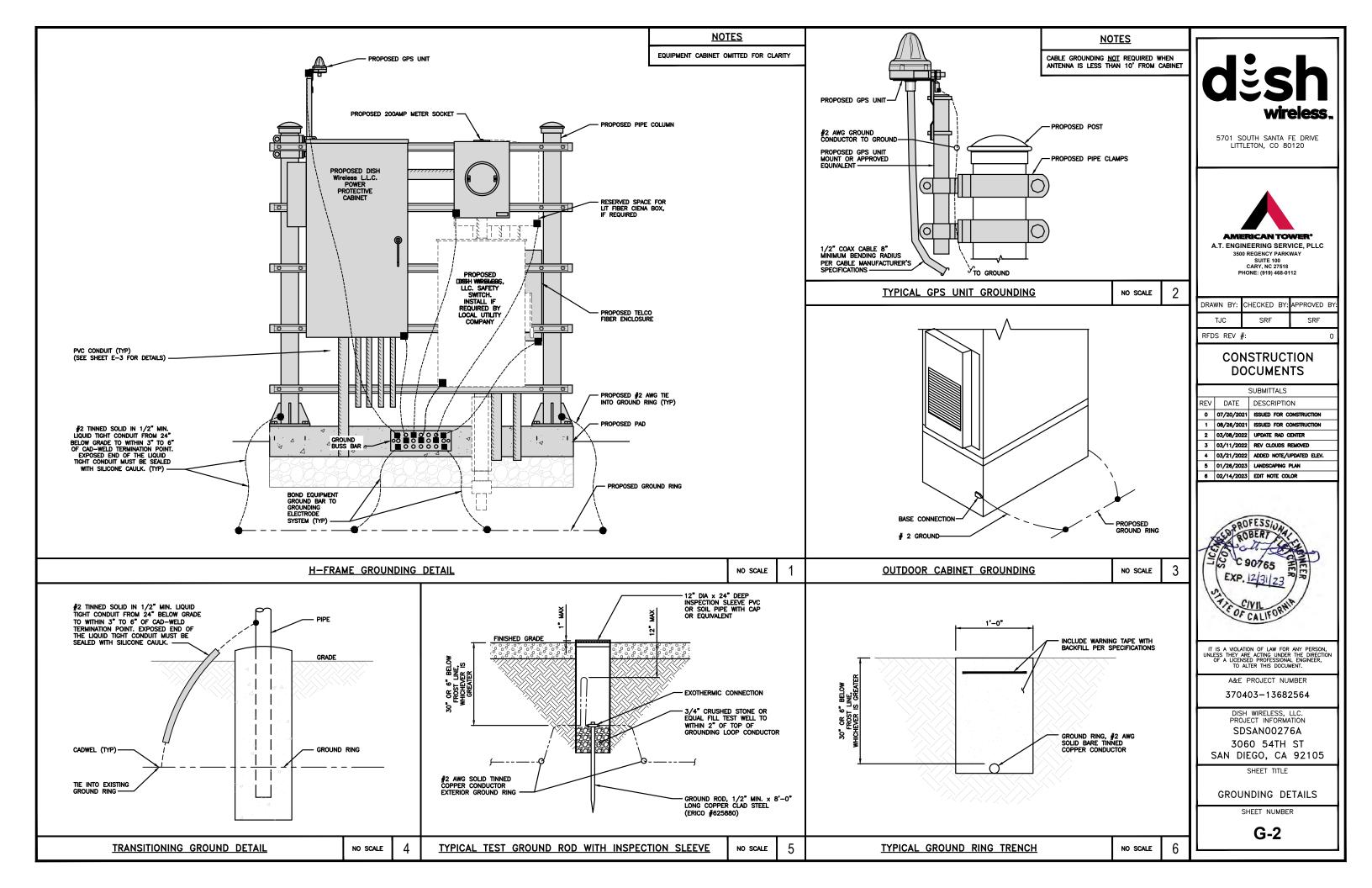
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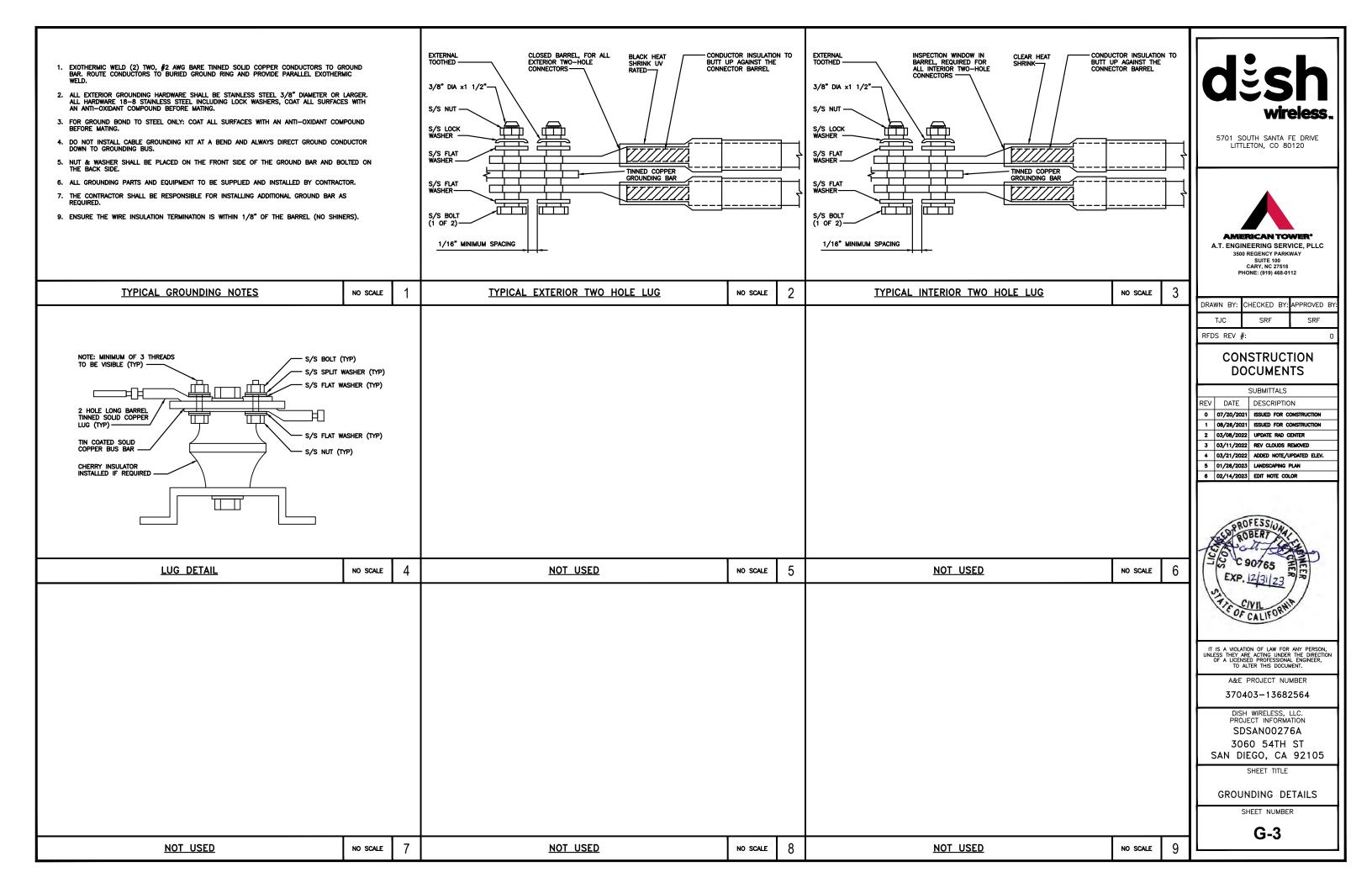
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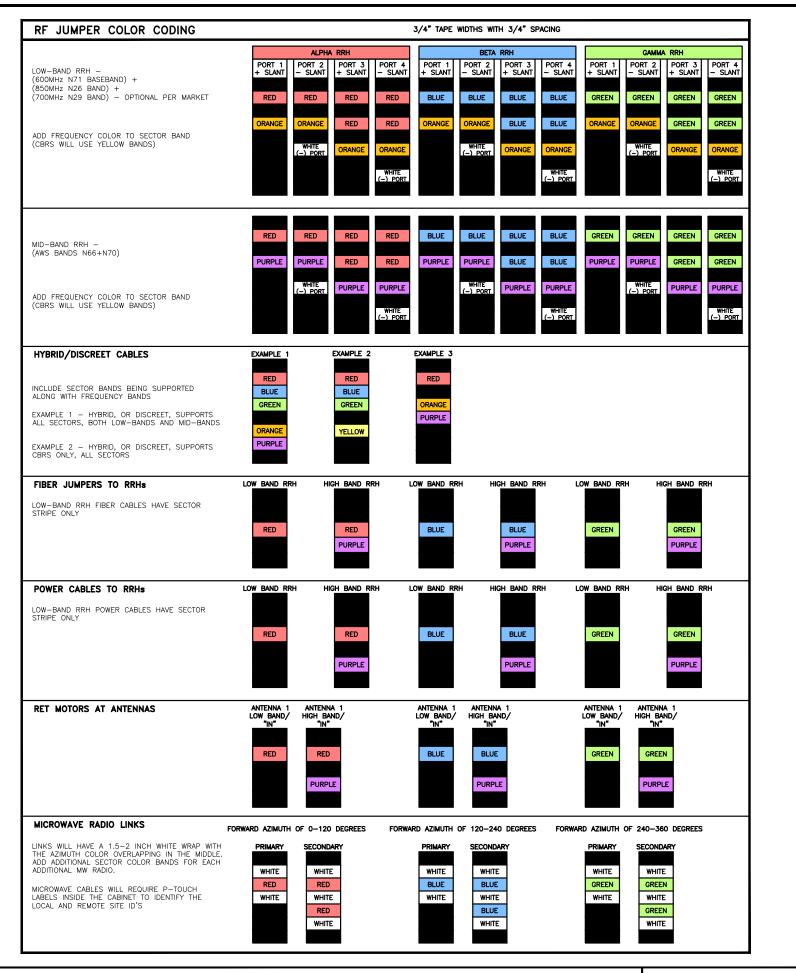
G-1

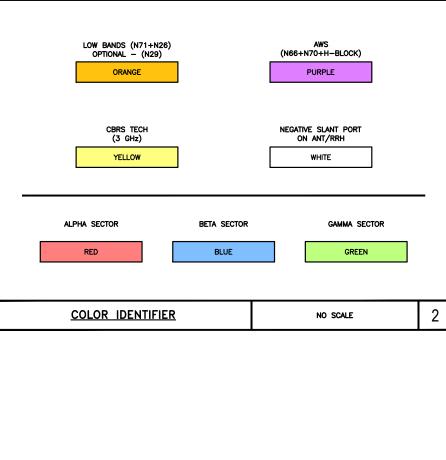
GROUNDING KEY NOTES

NO SCALE









NOT USED



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AMERICAN TOWER

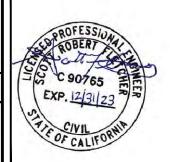
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3

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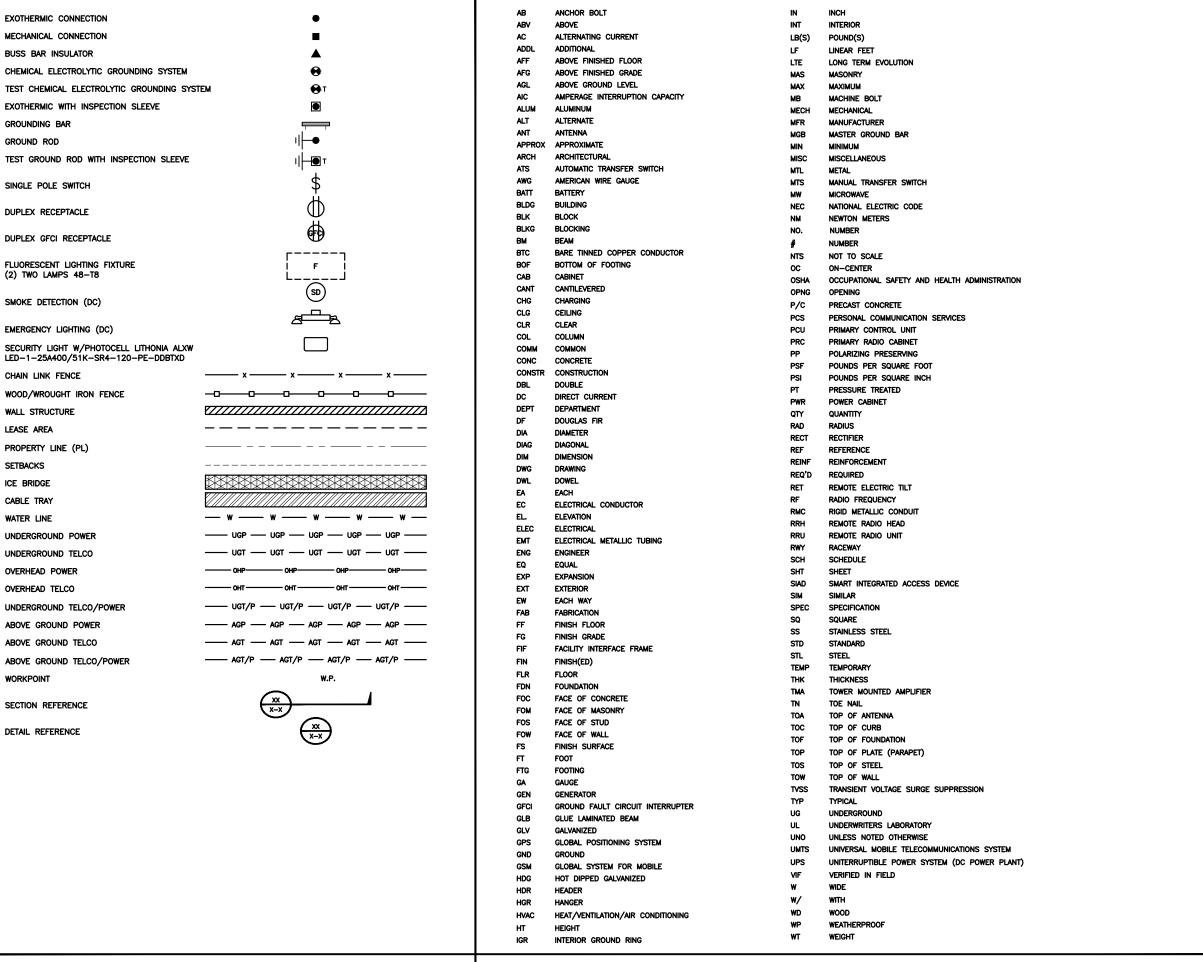
CABLE COLOR CODES

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SHEET NUMBER

RF-1

RF CABLE COLOR CODES NO SCALE 1 NOT USED NO SCALE





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DISH WIRELESS, LLC. PROJECT INFORMATION SDSAN00276A 3060 54TH ST SAN DIEGO, CA 92105

SHEET TITLE
ABBREVIATIONS
LEGEND AND

SHEET NUMBER

GN-1

LEGEND

ABBREVIATIONS

SITE ACTIVITY REQUIREMENTS:

- 1. NOTICE TO PROCEED NO WORK SHALL COMMENCE PRIOR TO CONTRACTOR RECEIVING A WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE DISH WIRELESS, LLC, AND TOWER OWNER NOC & THE DISH WIRELESS, LLC, AND TOWER OWNER CONSTRUCTION MANAGER.
- 2. "LOOK UP" DISH WIRELESS, LLC. AND TOWER OWNER SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR DISH WIRELESS, LLC. AND DISH WIRELESS, LLC. AND TOWER OWNER POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

- 3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
- 4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND DISH WIRELESS, LLC. AND TOWER OWNER STANDARDS, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA-322 (LATEST EDITION).
- 5. ALL SITE WORK TO COMPLY WITH DISH WIRELESS, LLC. AND TOWER OWNER INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON DISH WIRELESS, LLC. AND TOWER OWNER TOWER SITE AND LATEST VERSION OF ANSI/TIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
- 6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY DISH WIRELESS, LLC. AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. 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 THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- 8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES INCLUDING PRIVATE LOCATES SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
- 11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND DISH PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF DISH WIRELESS, LLC. AND TOWER OWNER, AND/OR LOCAL UTILITIES.
- 14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
- 15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- 16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 17. THE AREAS OF THE OWNERS 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 AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
- 18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- 19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- 20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS AND RADIOS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION, TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1.FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION

CARRIER:DISH WIRELESS, LLC.

TOWER OWNER:TOWER OWNER

- 2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
- 3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
- 4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD
- 5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
- 6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CARRIER POC AND TOWER OWNER.
- 7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. 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 THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- 8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND TOWER OWNER PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
- 11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION, BEFORE SUBMITTING BIDS, TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
- 12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF DISH WIRELESS, LLC. AND TOWER OWNER
- 13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- 14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.



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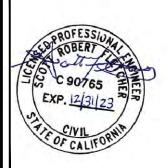
3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

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TJC	SRF	SRF	l

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A&E PROJECT NUMBER

370403-13682564

PROJECT INFORMATION
SDSAN00276A
3060 54TH ST
SAN DIEGO. CA 92105

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-2

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST—IN—PLACE CONCRETE.
- 2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi at 28 days, unless noted otherwise. No more than 90 minutes shall elapse from batch time to time of placement unless approved by the engineer of record. Temperature of concrete shall not exceed 90°f at time of placement.
- 4. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.
- 5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:

#4 BARS AND SMALLER 40 ksi

#5 BARS AND LARGER 60 ksi

- 6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER 2"
- #5 BARS AND SMALLER 1-1/2"
- · CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
- SLAB AND WALLS 3/4"
- BEAMS AND COLUMNS 1-1/2*
- 7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

- 1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- 2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- 3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- 4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
- 4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
- 4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
- 5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR—CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
- 6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
- 7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- 8. TIE WRAPS ARE NOT ALLOWED.
- 9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI-CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN-2, XHHW, XHHW-2, THW, THW-2, RHW, OR RHW-2 INSULATION UNLESS OTHERWISE SPECIFIED.
- 13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
- 14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- 15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.

- ELECTRICAL METALLIC TUBING (EMT) OR METAL-CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- 17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- 18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- 19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION—TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- 20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- 21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
- 22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER-ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES, ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
- 24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3 (OR BETTER) FOR EXTERIOR LOCATIONS.
- 25. 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 BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
- 27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR DISH WIRELESS, LLC. AND TOWER OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- 28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- 29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "DISH WIRELESS, LLC.".
- 30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.



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A&E PROJECT NUMBER

370403-13682564

PROJECT INFORMATION
SDSAN00276A
3060 54TH ST
SAN DIEGO. CA 92105

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-3

GROUNDING NOTES:

- 1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE. BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- 2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- 4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- 5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
- 6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
- 7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
- 8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- 9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- 10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- 11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- 12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- 14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- 15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- 16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- 17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- 18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- 19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- 20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
- 21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR 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/O 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). DO NOT ATTACH GROUNDING TO FIRE SPRINKLER SYSTEM PIPES.

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
- 2. STRUCTURAL STEEL ROLLED SHAPES. PLATES AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
- A. ASTM A-572, GRADE 50 ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
- B. ASTM A-36 ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
- C. ASTM A-500, GRADE B HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
- D. ASTM A-325. TYPE SC OR N ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
- E. ASTM F-1554 07 ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
- 3. ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695.
- 4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.
- 5. DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- 6. CONNECTIONS:
- A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
- E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
- G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES.
 AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING
 COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.
- H. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE REQUIRED DURING CONSTRUCTION UNTIL ALL CONNECTIONS ARE COMPLETE.
- I. ANY FIELD CHANGES OR SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL FROM THE ENGINEER, AND DISH WIRELESS PROJECT MANAGER IN WRITING



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A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100

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SRF

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DISH WIRELESS, LLC.
PROJECT INFORMATION
SDSAN00276A
3060 54TH ST
SAN DIEGO, CA 92105

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-4



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

Ownership Disclosure Statement

MW ATC 370403 13682564

FORM **DS-318**

October 2017

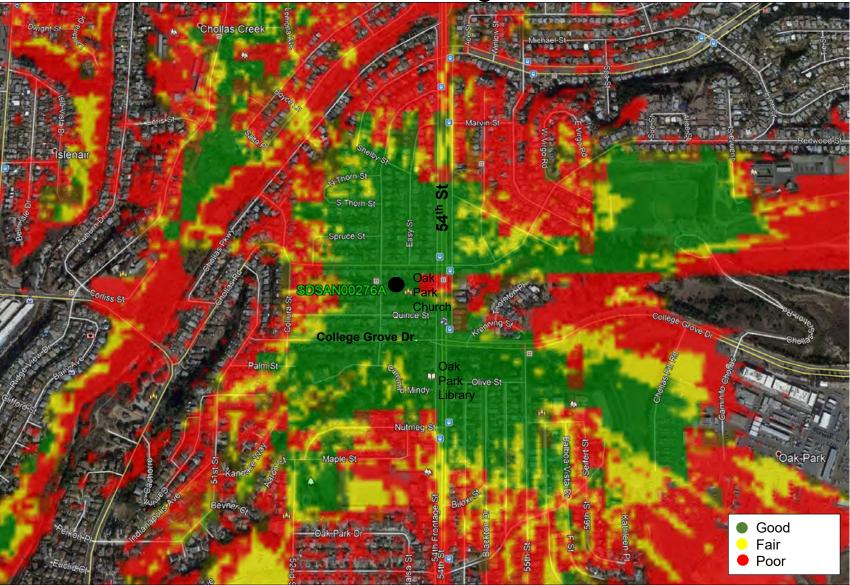
Approval Type: Check appropriate box for type of Neighborhood Development Permit ☐ Site I☐ Tentative Map ☐ Vesting Tentative Map ☐ Neighborhood Development Permit ☐ Neighborhood Development ☐ Neighborhood ☐ Neigh				nent Permit Permit 🗀 Variance
Project Title: ATC 54th Street Frontage				-
Project Address: 3060 54th Street, San Diego, CA S	22105-4924	Project	No. For City Use Only	(
Specify Form of Ownership/Legal Status (ple	ease check):			
Corporation ☐ Limited Liability -or- ☐ Gene		Identificat	ion No.	
☐ Partnership ☐ Individual	- Parameter Company			
By signing the Ownership Disclosure Statemen with the City of San Diego on the subject pro owner(s), applicant(s), and other financially intindividual, firm, co-partnership, joint venture, a with a financial interest in the application. If t individuals owning more than 10% of the share officers. (A separate page may be attached if n ANY person serving as an officer or director A signature is required of at least one of the notifying the Project Manager of any changes ownership are to be given to the Project Manager or and current ownership information co	erested persons of the above referenced passociation, social club, fraternal organizat he applicant includes a corporation or pares. If a publicly-owned corporation, includecessary.) If any person is a nonprofit organization or as trus property owners. Attach additional pages in ownership during the time the application or as the set thirty does print the true the application.	prance agoroperty. ion, corpo tnership, e the nam anization o tee or be if neede tion is bei	lainst the property. F A financially intereste pration, estate, trust, r include the names, til nes, titles, and addres or a trust, list the nam neficiary of the nong d. Note: The applicar	Please list below the d party includes any receiver or syndicate tles, addresses of all ses of the corporate les and addresses of profit organization. In is responsible for
Property Owner	to acidy in the hearing process.		14	
Name of Individual: Calvary Evangelical Lutheran C	hurch of San Diego	M Owner	Topapt// pages	T) Current and a
Street Address: 3060 54th Street		- Owner	- renant/Lessee	☐ Successor Agency
City: San Diego			- CA	
Phone No.: 619-582-5581	Facility			Zip: 92105-4924
Signature: Tahd W. Vang .			review cox.n	at
Additional pages Attached:	⊉ No	Date:	11 JUNE 2021	-
Applicant	A No			
Name of Individual: GTP Infrastructure I, LLC				-
Street Address: 10 Presidential Way		□ Owner	■ Tenant/Lessee	☐ Successor Agency
City: _Waburn				
1			State: MA	Zip: 01801-1053
Phone No.: 781-926-45-0		Email:		***************************************
	Counsel	Date:	6-24-21	
Additional pages Attached:	□ No			
Other Financially Interested Persons				
Name of Individual:	5 - 1-1/16	□ Owner	☐ Tenant/Lessee	☐ Successor Agency
Street Address:			_ 1 0110110 203300	a successor Agency
City:			State:	7in:
Phone No.:	4 73.			Zip:
signature:			The substitute of the substitu	
Additional pages Attached:		Date:		



SDSAN00276A Band n66 coverage

June 2021

SDSAN00276A Band n66 Coverage



The site covers the northwest part of the Oak Park Neighborhood of San Diego.



DISH Wireless

Brnchs Space

Branch Layout for Job: Calvary Church Branch Upgrade to 4.0 Density

Elev	Deg	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		per Row	Betw
30.00	90									5										White	1	Rows
30.00	30					3						3						3		Pink	3	
29.50	30		4						4						4					Blue	3	0.5
28.75	15				6						6						6			Tan	3	0.8
28.00	0						6						6						6	Tan	3	8.0
27.25	0			6						6						6				Tan	3	8.0
26.50	0	6						6						6						Tan	3	8.0
25.75	0					6						6						6		Tan	3	8.0
25.00	0		6						6						6					Tan	3	8.0
24.50	0				8						8						8			Green	3	0.5
24.00			BB			BB			BB			BB			BB			BB		Rad Center #1		0.5
23.25	0						6						6						6	Tan	3	8.0
22.50	0			8						8						8				Green	3	8.0
21.75	0	8						8						8						Green	3	8.0
21.00	0					8						8						8		Green	3	8.0
20.25	0		8						8						8					Green	3	8.0
19.50	0				9						9						9			Yellow	3	8.0
18.75	0						8						8						8	Green	3	8.0
18.00	0			9						9						9				Yellow	3	8.0
17.25	0	8						8						8						Green	3	8.0
16.50	0					9						9						9		Yellow	3	8.0
15.75	0		8						8						8					Green	3	8.0
15.00	0				9						9						9			Yellow	3	8.0
14.25	0						9						9						9	Yellow	3	8.0
13.50	0			9						9						9				Yellow	3	8.0
12.75	0	9						9						9						Yellow	3	8.0
12.00	0					8						8						8		Green	3	8.0
11.25	0		8						8						8					Green	3	8.0
10.50	0				6						6						6			Tan	3	8.0
10.00	0						6						6						6	Tan	3	0.5
																	_				- 0.1	-
0:	00								10	T							Bra	nch 1	otal		91	
Size	CR	SC	BB		6	7	8	9	10	-											4.0	
Count	1	3	6	3	27	0	30	21	0	l						_				Tips	12	-
	Е	Branc	h To	tal=	91											T	otal	with	Tips		103	

PHOTO STUDY & KEY MAP

American Tower "54th Frontage" 3060 54th Street San Diego, CA 92105

Prepared for:
City of San Diego

Development Services Department
1222 First Avenue
San Diego, CA 92101

Prepared by:

PlanCom, Inc.
Contractor Representatives for
American Tower

302 State Place Escondido, CA 92029 Contact: Shelly Kilbourn 619-208-4685

April 24, 2023



East Elevation (Photo 1)



North Elevation (Photo 2)





West Elevation (Photo 4)



Existing Equipment Enclosure



Inside of the Existing Equipment Enclosure



View to the East from the Site



View to the North from the Site



View to the South from the Site



View to the West from the Site



View to the West from 54th Street



View to the East from 53rd Street



Aerial View