

County of Santa Clara
Department of Planning and Development
County Government Center, East Wing, 7th Floor
70 West Hedding Street
San Jose, CA 95110
Phone: (408) 299-5700
www.sccplandev.org



STAFF REPORT
Zoning Administration
April 6, 2023
Item # 4

Staff Contact: Charu Ahluwalia, Senior Planner
(408) 299-5740, charu.ahluwalia@pln.sccgov.org

PLN23-011 (STANFORD UNIVERSITY)

**Architecture and Site Approval – Unmanned Wireless
Telecommunication Facility for Crown Castle, along Junipero Serra
Boulevard.**

Summary: Architecture and Site Approval, for installation of a new thirty-five-foot high wooden pole with four new antennas and two radio units, along Junipero Serra Boulevard. The project includes removal of four antennas and two radio units from an existing PG&E utility pole. No tree removal, exterior lighting, or parking is proposed with this project.

Owner:	Crown Castle/ Stanford University	Community Plan Designation:	Foothills
Applicant:	Tabitha Schneider, Project Manager	Zoning:	OSF-sr
Address:	25 Junipero Serra Blvd., Stanford	Project Area:	0.1 acres
APN:	142-12-007	Supervisorial District:	5

RECOMMENDED ACTIONS

- A. Approve the use of a prior California Environmental Quality Act (CEQA) document [2000 Stanford Community Plan and General Use Permit (GUP) Program Environmental Impact Report (EIR)].
- B. Grant Architecture & Site Approval (ASA), subject to conditions of approval outlined in Attachment B.

ATTACHMENTS INCLUDED

Attachment A – CEQA Determination – Use of a Prior CEQA Document
Attachment B – Preliminary ASA Conditions of Approval

Attachment C – Location & Vicinity Map

Attachment D – Proposed Plans

Attachment E – Extension of Small Cell Facility 90-day Shot Clock Deadline

PROJECT DESCRIPTION

The proposed project is for installation of a new thirty-five-foot high wooden pole with four new antennas and two radio units, along Junipero Serra Boulevard. The project includes removal of four antennas and two radio units from an existing PG&E utility pole. The existing equipment cabinet and pedestal will not be altered or moved.

The proposed new wireless telecommunications infrastructure for 5G upgrades would replace an existing telecommunications facility that was established as a part of Stanford University’s campus-wide Distributive Antenna System (DAS), which is a series of telecommunication nodes installed throughout the campus. The existing facility [with a prior Architecture and Site Approval; Record number: 9969-08A; Stanford University Telecommunications Distributive Antenna System (DAS) Radio Access Network (RAN) #12] is located 25 feet away from the proposed location of the new wooden pole.

The project site is located within the right-of-way of Junipero Serra Blvd. No tree removal or exterior lighting is proposed with this project.

REASONS FOR RECOMMENDATION

A. Environmental Review and Determination (CEQA)

The proposed project is in conformance with both the 2000 Stanford Community Plan (“SCP”) and General Use Permit (“GUP”) and has no new effects beyond those analyzed in the Program EIR, certified by the Board of Supervisors in December 2000. The Program EIR analyzed the environmental impacts of campus development allowed under the SCP and GUP. The proposed project is within the scope of the campus development analyzed in the 2000 GUP. Therefore, use of the prior CEQA document is adequate for this project.

B. Project/Proposal

1. **Stanford Community Plan and GUP:** The project conforms to applicable Community Plan goals, strategies, and policies. Utility infrastructure, like the wireless telecommunication facility, is a permitted use within the Open Space and Field Research land use designation, and as conditioned will satisfy the requirements of the GUP. The 2000 Community Plan and GUP governs development projects on the Stanford campus. This project conforms to the criteria set forth by the GUP and provisions identified within the Community Plan, and subject to compliance with the preliminary conditions outlined in Attachment B.

2. ASA approval:

ASA approval standards, applicable regulations, and findings: The project substantially conforms to the requirements and guidelines in the SCP and GUP. These requirements meet all of the ASA Guidelines through the ASA approval process approved by the Zoning Administrator.

C. ASA Findings:

Pursuant to §5.40.040 of the County Zoning Ordinance, the Zoning Administrator may grant an Architecture & Site Approval contingent upon specific findings. In the following discussion, the scope of review findings are listed in **bold**, and an explanation of how the project meets the required standard is in plain text below.

A. Adequate traffic safety, on-site circulation, parking and loading areas, and insignificant effect of the development on traffic movement in the area;

The project site is located within the right-of-way of Junipero Serra Blvd. The application has been reviewed and approved by Department of Roads and Airports. The proposed facility will be unmanned. Service technicians will visit the site periodically for routine maintenance and for any emergency maintenance. Adequate on-street parking is currently available at the site. There will be no impact to existing traffic patterns. As such, the proposed wireless telecommunications facility would not result in any change in the amount of traffic and does not generate any new trips from a traffic impact perspective. The traffic would be consistent with that analyzed in the prior 2000 GUP EIR.

Short-term construction traffic

The project will result in short-term impacts related to construction activities; however, conditions of approval have been added to this project to mitigate these short-term impacts to a “*less than significant level*”. All construction trucks will be required to use approved truck routes, for transporting construction materials to and from the site. Furthermore, the project has been conditioned to restrict construction material deliveries to non-peak hours, as defined the 2000 GUP EIR. Compliance with the Conditions of Approval (Attachment B) ensures that the short-term construction traffic associated with the project will not have a significant effect on traffic movement in the area.

For the reasons stated above, this finding *can* be made.

B. Appearance of proposed site development and structures, including signs will not be detrimental to the character of the surrounding neighborhood or zoning district;

The new wireless telecommunications facility will not be detrimental to the character of the surrounding neighborhood or zoning district. The project includes removal of four panel antennas and two radio units from an existing PG&E utility pole and installation of a new thirty-five-foot high wooden pole with four antennas and two radio units (see Attachment D). The pole and antennas are to be installed adjacent to a previously approved telecommunications facility. The height of the pole is maintained below the existing infrastructure (existing pole height is 70 feet and proposed pole height is 35 feet). The condition of approval to paint the pole and antennas with a brown color of less than 45 light reflectivity value (LRV) will minimize the visibility of the installation.

The proposal minimizes removal or modification of site landscaping, minimizes visual impact through design, and siting, color and materials of the pole and antennas blend with the natural setting, and no exterior lighting is proposed. Thus, the project substantially conforms to applicable sections of the Wireless Telecommunication Facilities Design Guidelines.

For the reasons stated above, this finding *can* be made.

C. Appearance and continued maintenance of proposed landscaping will not be detrimental to the character of the surrounding neighborhood or zoning district;

No landscaping or tree removal is proposed as part of this project. No landscaping is proposed as part of this project. There are existing mature trees in the vicinity, that provide screening for the pole installation. As such, this finding *can* be made.

D. No significant, unmitigated adverse public health, safety and environmental effects of proposed development;

The Program GUP EIR certified by the Board of Supervisors in December 2000 analyzed the environmental impacts of Stanford campus development allowed under the SCP and GUP. The proposed wireless telecommunications facility is within the scope of the development analyzed in the 2000 GUP EIR. All appropriate conditions of approval have been added to ensure conformance with the 2000 GUP EIR.

The prior CEQA analysis concluded that the proposed wireless facility would not result in any significant environmental impacts as it relates to parking, traffic, construction noise, and air quality. The project has been reviewed with respect to all applicable regulations relating to public health and safety by County subject matter experts, including Land Development Engineering, Department of Environmental Health, and the Fire Marshal. All subject matter experts have recommended approval of the project with Conditions and determined that the project will not result in significant, unmitigated adverse public health, safety, or environmental effect. Furthermore, the CEQA analysis for the project determined that with the conditions of approval, the project would not result in any significant environmental impacts (See Attachment A). As such, this finding *can* be made.

E. No adverse effect of the development on flood control, storm drainage, and surface water drainage;

The project site does not contain any creeks or streams and is not located within a 100-year flood zone. The project has been reviewed by County Land Development and Engineering staff with respect to all applicable regulations relating to drainage and flood control. As such, this finding *can* be made.

F. Adequate existing and proposed fire protection improvements to serve the development;

The Fire Marshal's Office has reviewed the project and determined that the existing fire protection improvements are sufficient to ensure fire safety for this proposal. For these reasons, this finding *can* be made.

G. No significant increase in noise levels;

There would be no increase in noise levels due to the operation of this project. The project may create short-term/temporary construction noise impacts due to construction activities and construction traffic. The project has been conditioned to require submittal of a Traffic and Construction Management Plan prior to building permit issuance. Furthermore, construction activities shall be limited to the hours of 7AM and 7PM, Monday through Saturday, with no construction activity occurring after 7PM, or on Sundays. Therefore, as conditioned, this finding *can* be made.

H. Conformance with zoning standards, unless such standards are expressly eligible for modification by the Zoning Administrator as specified in the Zoning Ordinance.

The project site is zoned OS/F-sr, which is the "Open Space and Field Research" zoning district. This district was established to implement the 2000 Stanford University Community Plan policies for the Open Space and Field Research land use designation, to maintain the open space character of those Stanford University OS/F lands outside the Academic Growth Boundary. Allowable uses include utilities infrastructure. Per County Zoning Ordinance Table 2.50-1, note 13, within the OS/F district, new utilities may be constructed that serve either Stanford or other lands if such facilities reasonably minimize degradation to the natural environment and maintain the predominantly natural appearance and habitat values of the setting.

The proposed project site is located within the right-of-way of Junipero Serra Blvd. The proposed new pole is located 25 feet away from the existing wireless telecommunications facility that would be replaced by the proposed infrastructure. The proposal minimizes impact to the natural environment to the extent possible through design, screening, and siting. The pole and antennas are to be installed adjacent to a previously approved telecommunications facility. The height of the pole is maintained below the existing infrastructure (existing pole height is 70 feet and proposed pole height is 35 feet). The condition of approval to paint the pole and antennas with a color of less than 45 light reflectivity value (LRV) will minimize the visibility of the installation. No tree removal, parking, or exterior lighting is proposed with this project.

As such, and this finding *can* be made.

I. Conformance with the general plan and any applicable area or specific plan, or, where applicable, city general plan conformance for property located within a city's urban service area; and

The Stanford academic campus is primarily designated as Major Educational and Institutional Use within the Santa Clara County general plan. The Community Plan identifies the project site as Open Space and Field Research. The proposed project will replace an existing wireless telecommunication facility and complies with the

applicable policies set forth in the Community Plan with reference to SCP-LU26 and SCP-LU27, which state that allowable uses within the Open Space and Field Research land use designation include utility infrastructure.

J. Substantial conformance with the adopted “Guidelines for Architecture and Site Approval” and other applicable guidelines adopted by the County.

The proposed project complies with the Wireless Telecommunication Facilities Design Guidelines as no tree removal or landscaping modification is proposed, visual impact through design, and siting is minimized, color and materials of the pole and antennas blend with the natural setting, and no exterior lighting is proposed. As such, conformance with the provisions noted above ensures compliance with the Guidelines for Architecture and Site Approval. As such, this finding *can* be made.

BACKGROUND

On January 19, 2023, an application for Architecture and Site Approval was submitted for a wireless telecommunications facility. The application was deemed complete on February 17, 2023. The proposed project is considered a small cell facility as defined in 47 Code of Federal Regulations (CFR) 1.6002(l) and is subject to 90-day shot clock for permit approval as established by Federal Communications Commission (FCC) for wireless telecommunications facility (wireless shot clock). County Staff requested a 45-day extension to the 90-day shot clock, which was granted by the applicant (Attachment E). The 90-day wireless shot-clock ends on April 19, 2023, and the 45-day extension to the 90-day shot clock ends on June 3, 2023.

As of writing of this report, no public comments were received for this project. A public notice was mailed to all property owners within a 300-foot radius on March 24, 2023, and was also published in the Post Records on March 24, 2023.

STAFF REPORT REVIEW

Prepared by: Charu Ahluwalia, Senior Planner

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Reviewed by: Samuel Gutierrez, Principal Planner

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ATTACHMENT A

Use of a Prior CEQA Document

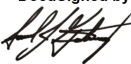
USE OF A PRIOR CEQA DOCUMENT PROGRAM ENVIRONMENTAL IMPACT REPORT (EIR)

Pursuant to Section 15162 of the CEQA Guidelines, the County of Santa Clara has determined that the project described below is pursuant to or in furtherance of an Environmental Impact Report which has been previously adopted and does not involve new significant impacts beyond those analyzed in the previous Environmental Impact Report.

File Number	APN(s)	Date
PLN23-011	142-12-007	April 06, 2023
Project Name	Project Type	
Unmanned Wireless Telecommunication Facility for Crown Castle/ Stanford University, along Junipero Serra	Architecture and Site Approval	
Owner	Applicant	
Crown Castle/ Stanford University	Tabitha Schneider, Project Manager	
Project Location		
25 Junipero Serra Blvd., Stanford		
Project Description		
<p>The proposed project is for installation of a new thirty-five-foot high wooden pole with four new antennas and two radio units, along Junipero Serra Boulevard. The project includes removal of four antennas and two radio units from an existing PG&E utility pole. The existing equipment cabinet and pedestal will not be altered or moved. The proposed new wireless telecommunications infrastructure for 5G upgrades, would replace an existing telecommunications facility that was established as a part of Stanford University's campus-wide Distributive Antenna System (DAS), which is a series of telecommunication nodes installed throughout the campus. The existing facility [with a prior Architecture and Site Approval; Record number: 9969-08A; Stanford University Telecommunications Distributive Antenna System (DAS) Radio Access Network (RAN) #12] is located 25 feet away from the proposed location of the new wooden pole. The project site is located within the right-of-way of Junipero Serra Blvd. No tree removal, parking or exterior lighting is proposed with this project.</p>		
Background and Summary of Findings		

Per the California Environmental Quality Act (CEQA) of 1970 (as amended), all development permits processed by the County Planning Office which require discretionary approval are subject to environmental review. A new Negative Declaration or EIR is not required if a previous CEQA document has been prepared and adopted or certified which adequately address all the possible environmental impacts of the proposed project and (a) no substantial changes are proposed in the project which will result in new significant environmental effects, (b) no substantial changes have occurred with respect to the circumstances under which will result in the identification of new significant impacts, or (c) no new information is available which shows that the project will have new significant impacts or mitigation measures and alternatives which were previously found to be infeasible would now in fact be feasible (CEQA Guidelines 15162).

The Planning Office evaluated the project described above and has determined that none of the circumstances exist which would require additional environmental review. As such the environmental impacts of the project have been adequately evaluated in the Environmental Impact Report adopted by the Board of Supervisors on December 15, 2000, for the project entitled "Stanford University Community Plan and General Use Permit" and that no further environmental review is required under the California Environmental Quality Act.

<p>Approved by: Samuel Gutierrez, Principal Planner</p>	<p>DocuSigned by:  4BFDD21FF1FB4D2...</p> <p>Signature</p>	<p>3/30/2023</p> <p>Date</p>
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ATTACHMENT B

Preliminary Conditions of Approval

ATTACHMENT B
PRELIMINARY CONDITIONS OF APPROVAL
FOR
ARCHITECTURE & SITE APPROVAL

Date: April 6, 2023
Owner/Applicant: Tabitha Schneider/ Eric Snow, Stanford University
Location: 25 Junipero Serra Blvd., Stanford (APN: 142-12-007)
File Number: PLN23-011
CEQA: Prior CEQA - 2000 Stanford Community Plan and General Use Permit (GUP) Program Environmental Impact Report (EIR)
Project Description: Architecture and Site Approval, for installation of a new thirty-five-foot high wooden pole with four new antennas and two radio units, along Junipero Serra Boulevard. The project includes removal of four antennas and two radio units from an existing PG&E utility pole. No tree removal, exterior lighting, or parking is proposed with this project.

If you have any question regarding the following preliminary conditions of approval, call the person whose name is listed as the contact for that agency. They represent a specialty or office and can provide details about the conditions of approval.

Agency	Name	Phone	E-mail
Planning	Charu Ahluwalia	(408) 299-5740	charu.ahluwalia@pln.sccgov.org
Roads and Airports	Christine Hii	(408) 299-5763	christine.hii@rda.sccgov.org
Environmental Health	Darrin Lee	(408) 573-2464	darrin.lee@cep.sccgov.org
Building Inspection	Building Inspection Office	(408) 299-5700	

STANDARD CONDITIONS OF APPROVAL

Building Inspection

1. For detailed information about the requirements for a building permit, obtain a Building Permit Application Instruction handout from the Office of Building Inspection or visit their website (www.sccbuilding.org).

Planning

1. Development and maintenance of the project site shall take place in accordance with approved plans, received by the Planning Department on February 9, 2023, and as approved by the Zoning Administrator. The project involves removal of four panel antennas and two radio units from an existing PG&E utility pole and installation of a new thirty-five-foot high

wooden pole with four new antennas and two radio units. The plans submitted into Plan Check shall be in substantial conformance with the approved plans. Any changes to the approved project included such as (but not limited to) the design, quantity, location or other modifications to the approved plans are required to be submitted for review by the Planning Office and may result in a Modification to the approved ASA, and may be subject to additional review under the California Environmental Quality Act (CEQA).

2. The prior approved telecommunication facility [Planning Record number: 9969-08A; Stanford University Telecommunications Distributive Antenna System (DAS) Radio Access Network (RAN) #12] is hereby replaced with the new Unmanned Wireless Telecommunications Facility for Crown Castle/ Stanford University, along Junipero Serra Boulevard.
3. File and obtain necessary demolition and building permits from the Building Inspection Division.
4. All painted, or otherwise treated, surfaces of the pole and antennas shall be maintained at all times to avoid paint peeling or bare material surfaces from being exposed. If the pole or antennas are improperly maintained, the approval may be revoked and subject to violation and fines.
5. The permittee shall keep the project site free of graffiti. "Graffiti" means any unauthorized inscription, writing, lettering, word, figure, mark, design or other inscribed material that is written, marked, etched, scratched, drawn, painted or otherwise placed on any structures, fences, or other permanent or temporary surfaces.
6. All telecommunications equipment installed on-site shall comply with the standards of the Federal Communications Commission (FCC) for health, safety, and other pertinent requirements.
7. No signs are approved at this time except for (1) an informational sign that provides phone numbers to be used in case of an emergency, and (2) a bilingual NIER hazard warning sign posted at the outer perimeter of the project site. These signs must be in compliance with FCC rules regarding required telecommunication facility signage. Such signs shall be limited to an area of one square foot.
8. The project shall comply with the Stanford University 2000 General Use Permit Conditions of Approval, and approved Stanford University 2000 GUP Mitigation Monitoring and Reporting Program.
9. Stanford shall be responsible for paying all reasonable costs associated with work by the County Planning Department, or with work conducted under the supervision of the County Planning Office, in conjunction with, or in any way related to the conditions of approval

identified in this project. This includes but is not limited to costs for staff time, consultant fees, and direct costs associated with report production and distribution.

10. In the event that previously unidentified historic or prehistoric archaeological resources are discovered during construction, the contractor shall cease work in the immediate area and the County Planning Office and Campus Archaeologist shall be contacted. An independent qualified archaeologist retained by the County at the expense of Stanford shall assess the significance of the find and make mitigation recommendations.
11. If archeological resources are discovered as described above, construction monitoring shall be conducted at any time ground-disturbing activities (greater than 12 inches in depth) are taking place in the immediate vicinity of the identified resources. If monitoring does not produce evidence of significant cultural resources within the project area, further mitigation shall be limited to construction monitoring, unless additional testing or other specific mitigation measures are determined by a qualified archaeologist to be necessary to ensure avoidance of damage to significant archaeological resources. A technical report of findings describing the results of all monitoring shall be prepared in accordance with professional standards. The archaeological monitoring program shall be implemented by an individual meeting the Secretary of Interior Professional Qualifications Standards in Archaeology (36 CFR 61); individual field monitors shall be qualified in the recognition of cultural resources and possess sufficient academic and field training as required to conduct the work effectively and without undue delay.
12. In the event that human skeletal remains are encountered, the applicant is required by County Ordinance No. B6-18 to immediately notify the County Coroner. Upon determination by the County Coroner that the remains are Native American, the coroner shall contact the California Native American Heritage Commission, pursuant to subdivision (c) of section 7050.5 of the Health and Safety Code and the County Coordinator of Indian affairs. No further disturbance of the site may be made except as authorized by the County Coordinator of Indian Affairs in accordance with the provisions of state law and this chapter. If artifacts are found on the site a qualified archaeologist shall be contacted along with the County Planning Office. No further disturbance of the artifacts may be made except as authorized by the County Planning Office.
13. In the event that fossilized shell or bone is uncovered during any earth-disturbing operation, contractors shall stop work in the immediate area of the find and notify the Campus Archaeologist and the County Building Inspector assigned to the project. The Campus Archaeologist shall visit the site and make recommendations for treatment of the find (including but not limited to consultation with a paleontologist and excavation, if warranted), which would be sent to the County Building Inspection Office and the County Planning Office. If a fossil find is confirmed, it will be recorded with the

Environmental Health

14. All construction activities shall be in conformance with the Santa Clara County Noise Ordinance Section B11-154 and prohibited between the hours of 7:00 p.m. and 7:00 a.m. on weekdays and Saturdays, or at any time on Sundays for the duration of construction.

CONDITIONS OF APPROVAL TO BE COMPLETED PRIOR TO BUILDING PERMIT ISSUANCE

Planning

15. The color of all new surfaces shall be non-reflective, have a Light Reflectivity Value (LRV) of 45 or less and match the brown color of the existing facility to blend into the background and minimize visual impact. Label the elevations indicating the brown color and compliant LRV level. Prior to issuance of the Building Permit, submit a color sample of the antennas to the Planning Office.
16. Place a construction note on the site plan that states the following: *“All construction contractors shall properly maintain the equipment and where feasible, use “clean fuel” equipment and emissions control technology (e.g., CNG fired engines, catalytic converters, particulate traps, etc.). Measures to reduce diesel emission would be considered feasible when they are capable of being used on equipment without interfering substantially with equipment performance.”*
17. Submit a Final Construction Management and Logistics Plan for approval by Planning and Land Development Engineering, **prior to issuance of any building permits.**
18. The following tree removal/protection requirements shall apply:
 - A. No tree removal is approved with this project.
 - B. All trees in the project area shall remain and are protected after the approval of this ASA.
 - C. If any trees are proposed to be removed after the approval of the ASA, further review by the Planning Office may be required to assess the visual impact of the tree removal to the project and surrounding area.
 - D. Final plans shall show the size and species of all trees over 12 inches in diameter (at 4.5 feet above grade) within the proposed work area for the project and clearly label all trees.
19. No lighting is approved with this project.
20. Adequate signs shall be posted along the street frontages or in front of the project site, no smaller than 1,296 square inches in size, containing the name, telephone number, and email address of the appropriate Stanford person the public may contact to register a complaint about construction noise. Additionally, Stanford shall create an outreach and information portal to facilitate information and alerts to be delivered to the immediate neighborhoods on construction activities. Stanford shall keep a written record of all such complaints and shall provide copies of these records to the County Planning Office.

21. Preconstruction surveys for nesting raptors and migratory birds shall be conducted by a qualified ornithologist to identify active nests that may be disturbed during project implementation. Between January 1 and April 30, preconstruction surveys shall be conducted no more than 14 days **prior to the initiation of construction activities or tree removal**. Between May 1 and August 31, preconstruction surveys no more than 30 days **prior to the initiation of these activities**. Stanford University shall conduct an additional preconstruction survey within 24 hours of initiation of construction activities, by the Campus Biologist, to verify no new nesting has occurred. If an active nest is found near, or in close proximity to, the construction area where the nest could be disturbed by these activities, the ornithologist or Campus Biologist, shall, in consultation with the California Department of Fish and Game, designate a construction free buffer zone (typically 250 feet) around the nest.

Road and Airports

22. Obtain a Santa Clara County Roads and Airports Department Encroachment Permit for work in the County right-of-way of Junipero Serra Blvd.
a. Encroachment Permit ENC22-1129 has been submitted and approved.

CONDITIONS OF APPROVAL TO BE COMPLETED PRIOR TO OCCUPANCY OR FINAL INSPECTION

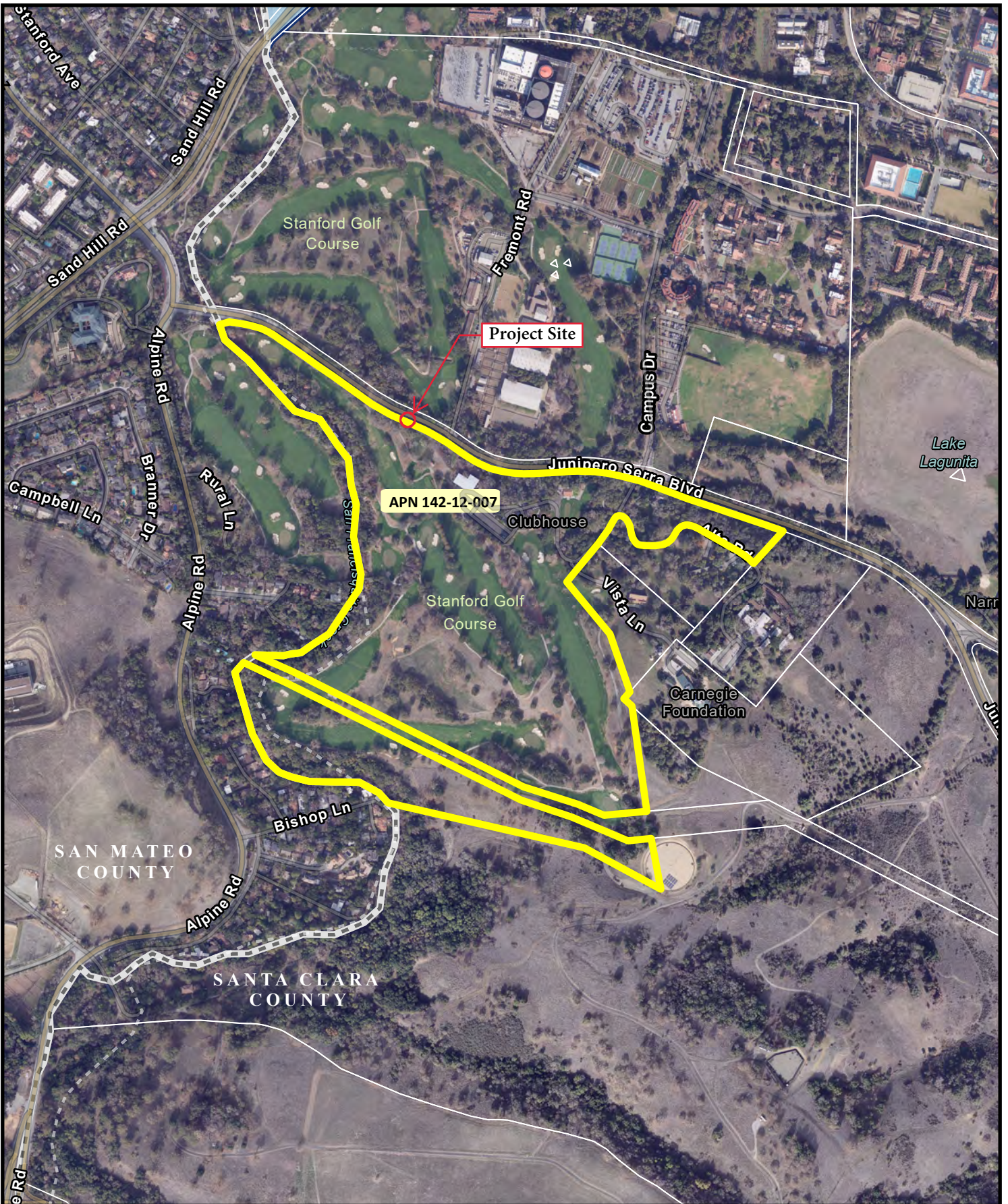
Planning

23. All grading materials and stockpiled materials shall be removed and disposed at an approved location.

24. Following completion of construction, contact the Planning Department (Charu Ahluwalia at 408-299-5740) **at least two weeks in advance** to set up an appointment to schedule a site visit to verify the development is per approved plans.

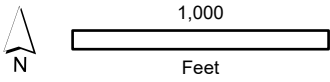
ATTACHMENT C

Location and Vicinity Map



Location and Vicinity Map

Record No. PLN23-011
APN 142-12-007



ATTACHMENT D

Proposed Project plans

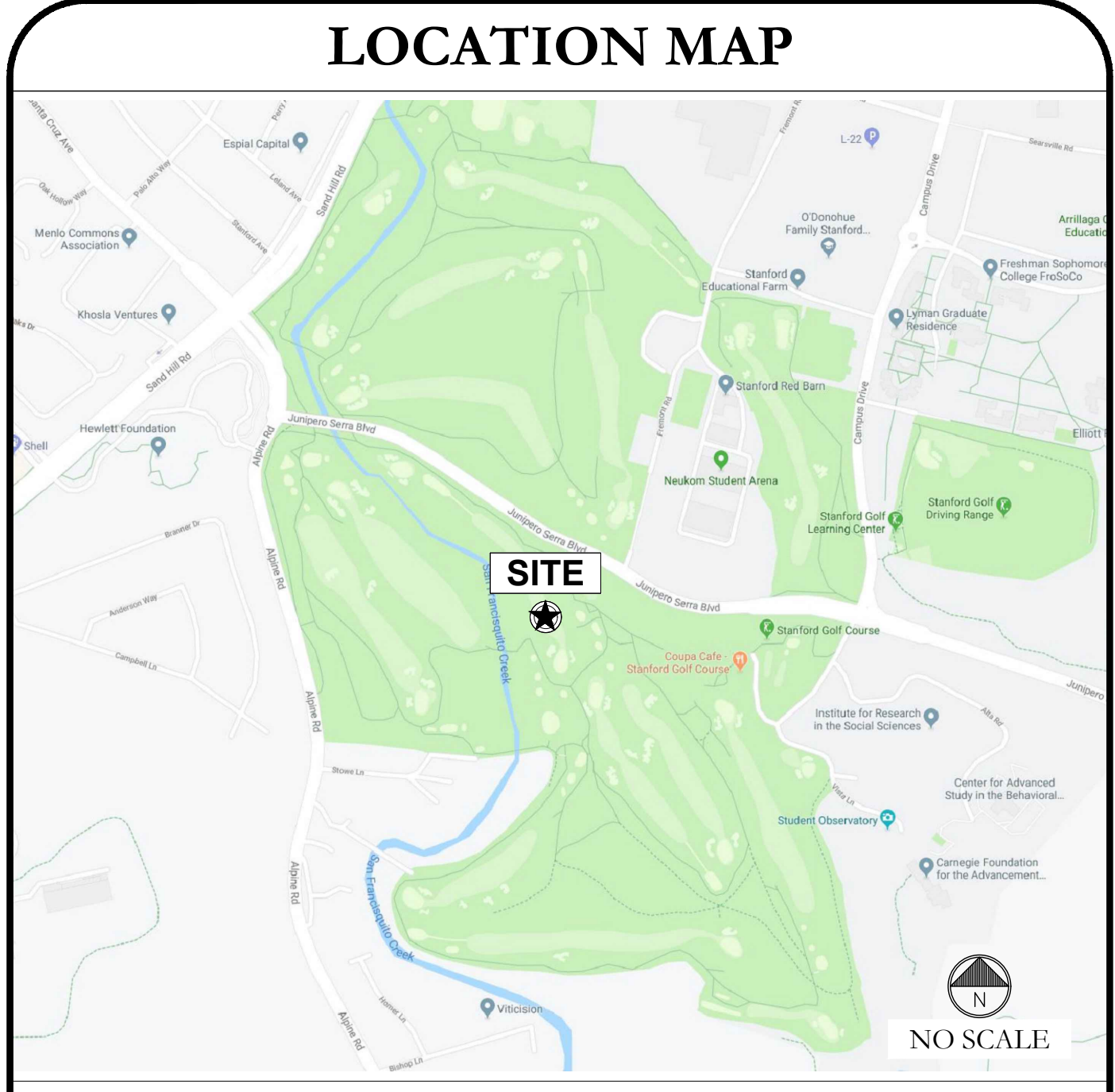
SITE NAME: STANFORD RAN 12 / RED BARN
SITE ADDRESS: 35 VISTA LANE STANFORD, CA 94305
COUNTY: SANTA CLARA
JURISDICTION: SANTA CLARA COUNTY
SITE TYPE: (N) 40'-0" JPA WOOD POLE
POLE ID: TBD
PROJECT: 4G/5G UPGRADE



SITE INFORMATION	
CROWN CASTLE FIBER LLC	
SITE NAME:	STANFORD RAN 12 / RED BARN
SITE ADDRESS:	35 VISTA LANE STANFORD, CA 94305
PROPERTY OWNER:	LELAND STANFORD JR UNIVERSITY BOARD OF TRUSTEES 415 BROADWAY ST. 3RD FLOOR REDWOOD CITY, CA 94063
MAP/PARCEL #:	142-12-007
LAT/LONG:	37.422952, -122.187560
GROUND ELEVATION:	±144'
CURRENT ZONING:	OA
JURISDICTION:	SANTA CLARA COUNTY
LEASE AREA:	±455 SQFT
OCCUPANCY:	NA
CONSTRUCTION TYPE:	NA
SPRINKLERS:	NA
NUMBER OF STORIES:	NA
ACCESSIBILITY REQUIREMENTS:	THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. DISABLED / CHALLENGED ACCESS IS NOT REQUIRED PER CBC 2019, SECTION 11B-203.4(LIMITED ACCESS SPACE)
POWER COMPANY:	STANFORD UNIVERSITY
WATER COMPANY:	SANTA CLARA VALLEY WATER DISTRICT

DRAWING INDEX	
SHEET #	
T-1	TITLE SHEET
GN-1	GENERAL NOTES
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	ANTENNA LAYOUT EQUIPMENT LAYOUT
A-4	ELEVATIONS
A-5	ELEVATIONS
A-6	PHOTO SIMULATION
A-7	PHOTO SIMULATION
D-1	EQUIPMENT DETAILS
D-2	EQUIPMENT DETAILS
D-3	COUNTY DETAILS
TCP-1	TRAFFIC CONTROL PLAN

PROJECT TEAM APPROVAL	
CROWN (NRE): _____	(DATE)
CROWN (PM): _____	(DATE)
CROWN (RF): _____	(DATE)
STANFORD (IT): _____	(DATE)
GUP CHECKLIST: _____	(DATE)



SITE NAME: STANFORD RAN 12 / RED BARN
SITE ADDRESS: 35 VISTA LANE STANFORD, CA 94305
SITE TYPE: (N) 40'-0" JPA WOOD POLE

JURISDICTION APPROVAL	
SANTA CLARA COUNTY PLANNING DEPARTMENT 70 W HEDDING ST 7TH FLOOR, EAST WING SAN JOSE, CA 95110	_____ (DATE)
STANFORD UNIVERSITY PLANNING DEPARTMENT 31160 PORTER DR PALO ALTO, CA 94304	_____ (DATE)



- FROM CROWN CASTLE OFFICE: 1 PARK PL, DUBLIN, CA 94568
- GET ON I-680 S IN PLEASANTON FROM HACIENDA DR, W LAS POSITAS BLVD AND FOOTHILL RD
 - FOLLOW I-680 S AND I-280 N TO ALPINE RD IN SAN MATEO COUNTY. TAKE EXIT 22 FROM I-280 N
 - FOLLOW I-680 S AND I-280 N TO ALPINE RD IN SAN MATEO COUNTY. TAKE EXIT 22 FROM I-280 N
 - TURN RIGHT ONTO JUNIPERO SERRA BLVD
- DESTINATION WILL BE ON THE RIGHT

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
2	10/13/2021	MJC	100% CONSTRUCTION DWGS	CG
3	01/20/2022	CT	100% CD CLIENT REVISION	CG
4	06/10/2022	CT	100% CD REVISIONS	CG
5	11/15/2022	JG	100% CD REVISIONS	CG
6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG

PROJECT TEAM	
ARCHITECTURAL & ENGINEERING CONTACTS:	LEAF COMMUNICATIONS 1000 CALLE CORDILLERA SAN CLEMENTE, CA 92673 DAN LEAF- (949) 485-8793 DAN.LEAF@LEAFCOMM.COM
ENGINEER OF RECORD CONTACT:	LEAF COMMUNICATIONS 1000 CALLE CORDILLERA SAN CLEMENTE, CA 92673 ESRA H. PERSELLIN, P.E. - (949) 388-0192 ESRA.PERSELLIN@LEAFCOMM.COM
PROJECT MANAGER CONTACT:	CROWN CASTLE 1 PARK PL, DUBLIN, CA 94568 JOHN GRIFFITHS JOHN.GRIFFITHS@CROWNCastle.COM (707) 756-2030

PROJECT DESCRIPTION	
PROJECT CONSISTS OF INSTALLING:	<ul style="list-style-type: none"> • (1) 40'-0", TBD, DF UTILITY POLE • (2) ERICSSON RADIO/ANTENNA UNITS • (2) COMMSCOPE ANTENNAS • (2) ERICSSON RADIO UNITS • NEW ANTENNAS BE PAINTED/WRAPPED TO MATCH EXISTING COLOR: BROWN • (1) U/G POWER TRENCH ±10'-0"; ±50'-0" POWER RUN • (1) U/G FIBER TRENCH ±20'-0"; ±60'-0" FIBER RUN
EQUIPMENT TO BE REMOVED:	<ul style="list-style-type: none"> • (4) POWERWAVE ANTENNAS • (2) ERICSSON RADIO UNITS
DESIGN REFERENCE DOCUMENT:	RAN_12_Red_Barn_01 29 2020_IRF DATED: 04/14/2022 VERSION: v9
STRUCTURAL ANALYSIS REFERENCE DOCUMENT:	RAN_12_STRUCTURAL_ANALYSIS_20220207 DATED: 02/07/2022 RESULT: PASS

APPLICABLE CODES/REFERENCE DOCUMENTS	
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 2019 CALIFORNIA ADMINISTRATIVE CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA FIRE CODE 2019 NFPA 101 2019 NFPA 72 2019 NFPA 13 CITY/COUNTY ORDINANCES ANSI/TIA-222-H
NOTES:	<ul style="list-style-type: none"> • PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER • 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 DRAINAGE; NO SANITARY SEWER SERVICE, PORTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED. • ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SIGNED: 2023/01/26
EXPIRES: 2023/09/30

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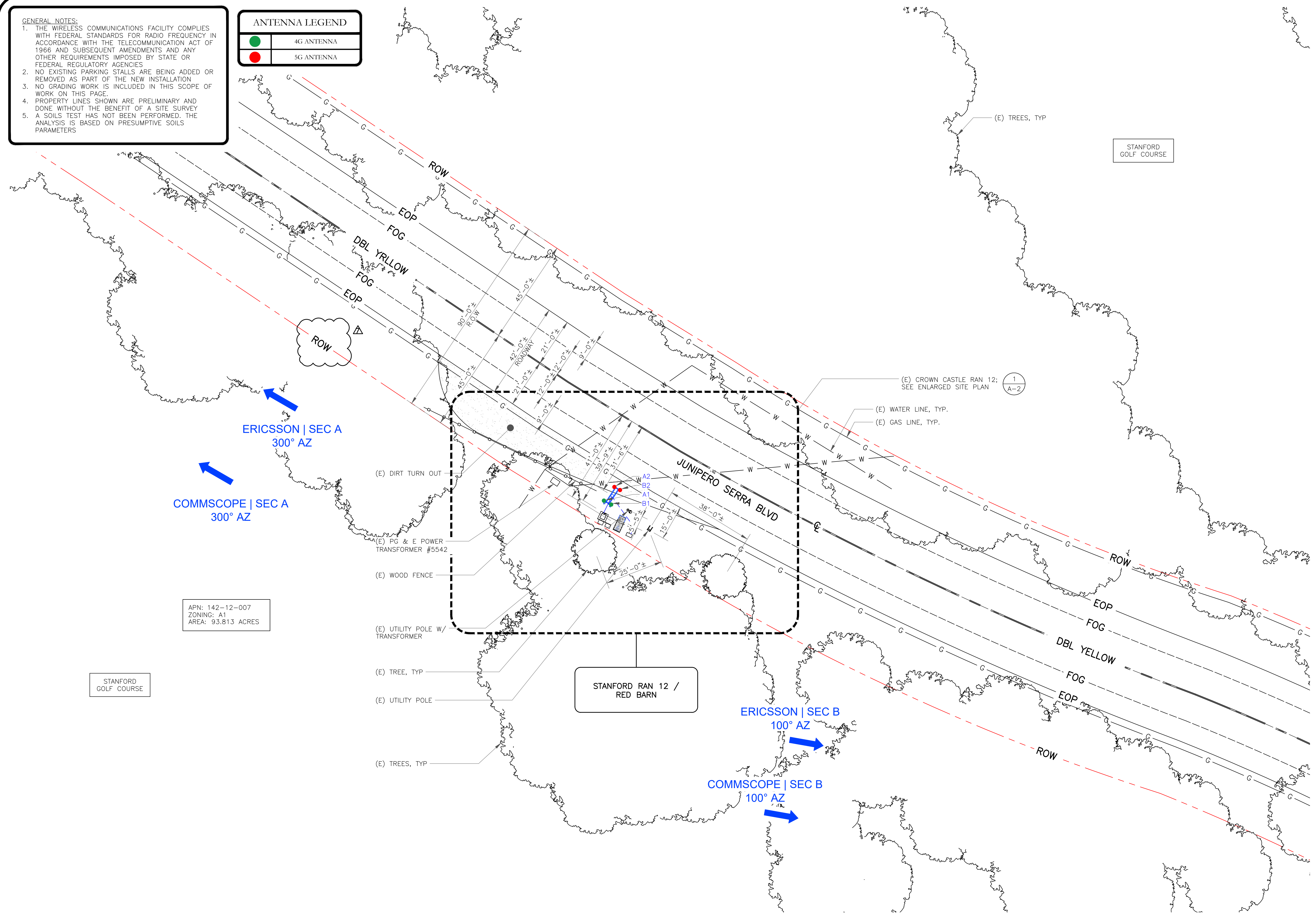
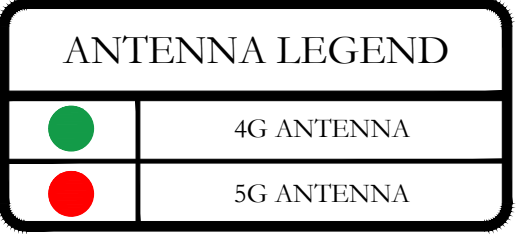
SHEET TITLE:
TITLE SHEET

SHEET NUMBER: T-1 **REV:** 6

CALL CALIFORNIA ONE CALL
(800) 227-2600
CALL 3 WORKING DAYS BEFORE YOU DIG!

GENERAL NOTES:

1. THE WIRELESS COMMUNICATIONS FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1966 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES
2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION
3. NO GRADING WORK IS INCLUDED IN THIS SCOPE OF WORK ON THIS PAGE.
4. PROPERTY LINES SHOWN ARE PRELIMINARY AND DONE WITHOUT THE BENEFIT OF A SITE SURVEY
5. A SOILS TEST HAS NOT BEEN PERFORMED. THE ANALYSIS IS BASED ON PRESUMPTIVE SOILS PARAMETERS



APN: 142-12-007
 ZONING: A1
 AREA: 93.813 ACRES

1 SITE PLAN
 SCALE: 1"=20'-0" (FULL SIZE)
 1"=40'-0" (11x17)





SITE NAME:
 STANFORD RAN 12 /
 RED BARN

SITE ADDRESS:
 35 VISTA LANE
 STANFORD, CA 94305

SITE TYPE:
 (N) 40'-0" JPA WOOD POLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
2	10/13/2021	MJC	100% CONSTRUCTION DWGS	CG
3	01/20/2022	CT	100% CD CLIENT REVISION	CG
4	06/10/2022	CT	100% CD REVISIONS	CG
5	11/15/2022	JG	100% CD REVISIONS	CG
6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG

SIGNED: 2023/01/26
 EXPIRES: 2023/09/30

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SHEET TITLE:
 SITE PLAN

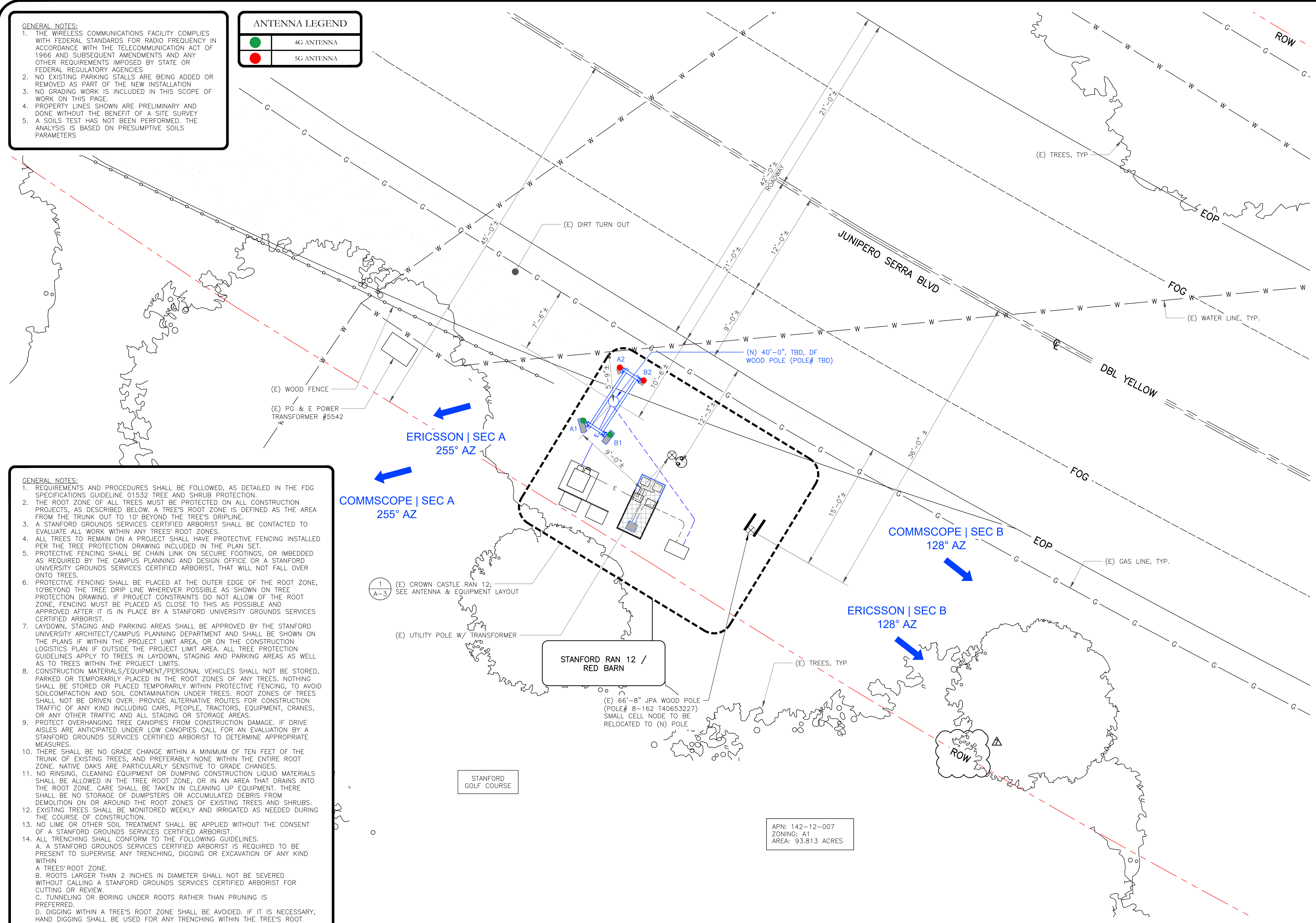
SHEET NUMBER:
 A-1

REV:
 6

GENERAL NOTES:

1. THE WIRELESS COMMUNICATIONS FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES
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3. NO GRADING WORK IS INCLUDED IN THIS SCOPE OF WORK ON THIS PAGE.
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ANTENNA LEGEND	
	4G ANTENNA
	5G ANTENNA



GENERAL NOTES:

1. REQUIREMENTS AND PROCEDURES SHALL BE FOLLOWED, AS DETAILED IN THE FDG SPECIFICATIONS GUIDELINE 01532 TREE AND SHRUB PROTECTION.
2. THE ROOT ZONE OF ALL TREES MUST BE PROTECTED ON ALL CONSTRUCTION PROJECTS, AS DESCRIBED BELOW. A TREE'S ROOT ZONE IS DEFINED AS THE AREA FROM THE TRUNK OUT TO 10' BEYOND THE TREE'S DRIFLINE.
3. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST SHALL BE CONTACTED TO EVALUATE ALL WORK WITHIN ANY TREES' ROOT ZONES.
4. ALL TREES TO REMAIN ON A PROJECT SHALL HAVE PROTECTIVE FENCING INSTALLED PER THE TREE PROTECTION DRAWING INCLUDED IN THE PLAN SET.
5. PROTECTIVE FENCING SHALL BE CHAIN LINK ON SECURE FOOTINGS, OR IMBEDDED AS REQUIRED BY THE CAMPUS PLANNING AND DESIGN OFFICE OR A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST, THAT WILL NOT FALL OVER ONTO TREES.
6. PROTECTIVE FENCING SHALL BE PLACED AT THE OUTER EDGE OF THE ROOT ZONE, 10' BEYOND THE TREE DRIP LINE WHEREVER POSSIBLE AS SHOWN ON TREE PROTECTION DRAWING. IF PROJECT CONSTRAINTS DO NOT ALLOW OF THE ROOT ZONE, FENCING MUST BE PLACED AS CLOSE TO THIS AS POSSIBLE AND APPROVED AFTER IT IS IN PLACE BY A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST.
7. LAYDOWN, STAGING AND PARKING AREAS SHALL BE APPROVED BY THE STANFORD UNIVERSITY ARCHITECT/CAMPUS PLANNING DEPARTMENT AND SHALL BE SHOWN ON THE PLANS IF WITHIN THE PROJECT LIMIT AREA, OR ON THE CONSTRUCTION LOGISTICS PLAN IF OUTSIDE THE PROJECT LIMIT AREA. ALL TREE PROTECTION GUIDELINES APPLY TO TREES IN LAYDOWN, STAGING AND PARKING AREAS AS WELL AS TO TREES WITHIN THE PROJECT LIMITS.
8. CONSTRUCTION MATERIALS/EQUIPMENT/PERSONAL VEHICLES SHALL NOT BE STORED, PARKED OR TEMPORARILY PLACED IN THE ROOT ZONES OF ANY TREES. NOTHING SHALL BE STORED OR PLACED TEMPORARILY WITHIN PROTECTIVE FENCING, TO AVOID SOIL COMPACTION AND SOIL CONTAMINATION UNDER TREES. ROOT ZONES OF TREES SHALL NOT BE DRIVEN OVER. PROVIDE ALTERNATIVE ROUTES FOR CONSTRUCTION TRAFFIC OF ANY KIND INCLUDING CARS, PEOPLE, TRACTORS, EQUIPMENT, CRANES, OR ANY OTHER TRAFFIC AND ALL STAGING OR STORAGE AREAS.
9. PROTECT OVERHANGING TREE CANOPIES FROM CONSTRUCTION DAMAGE. IF DRIVE AISLES ARE ANTICIPATED UNDER LOW CANOPIES CALL FOR AN EVALUATION BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST TO DETERMINE APPROPRIATE MEASURES.
10. THERE SHALL BE NO GRADE CHANGE WITHIN A MINIMUM OF TEN FEET OF THE TRUNK OF EXISTING TREES, AND PREFERABLY NONE WITHIN THE ENTIRE ROOT ZONE. NATIVE OAKS ARE PARTICULARLY SENSITIVE TO GRADE CHANGES.
11. NO RINSING, CLEANING EQUIPMENT OR DUMPING CONSTRUCTION LIQUID MATERIALS SHALL BE ALLOWED IN THE TREE ROOT ZONE, OR IN AN AREA THAT DRAINS INTO THE ROOT ZONE. CARE SHALL BE TAKEN IN CLEANING UP EQUIPMENT. THERE SHALL BE NO STORAGE OF DUMPSTERS OR ACCUMULATED DEBRIS FROM DEMOLITION ON OR AROUND THE ROOT ZONES OF EXISTING TREES AND SHRUBS.
12. EXISTING TREES SHALL BE MONITORED WEEKLY AND IRRIGATED AS NEEDED DURING THE COURSE OF CONSTRUCTION.
13. NO LIME OR OTHER SOIL TREATMENT SHALL BE APPLIED WITHOUT THE CONSENT OF A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
14. ALL TRENCHING SHALL CONFORM TO THE FOLLOWING GUIDELINES.
 - A. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST IS REQUIRED TO BE PRESENT TO SUPERVISE ANY TRENCHING, DIGGING OR EXCAVATION OF ANY KIND WITHIN A TREE'S ROOT ZONE.
 - B. ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE SEVERED WITHOUT CALLING A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST FOR CUTTING OR REVIEW.
 - C. TUNNELING OR BORING UNDER ROOTS RATHER THAN PRUNING IS PREFERRED.
 - D. DIGGING WITHIN A TREE'S ROOT ZONE SHALL BE AVOIDED. IF IT IS NECESSARY, HAND DIGGING SHALL BE USED FOR ANY TRENCHING WITHIN THE TREE'S ROOT ZONE UNLESS OTHERWISE APPROVED BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
 - E. ALL ROOTS THAT NEED TO BE CUT SHALL BE PRUNED CLEANLY, NOT TORN. THE PRECEDING GUIDELINES SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE GREATER THE DISTANCE OF TREE PROTECTION PROVIDED THE GREATER THE INSTANCE OF TREE SUCCESS IN CONSTRUCTION AREAS.



CROWN CASTLE
1 PARK PLACE PLACE
DUBLIN, CA 94568



LEAF COMMUNICATIONS
1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 / RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
2	10/13/2021	MJC	100% CONSTRUCTION DWGS	CG
3	01/20/2022	CT	100% CD CLIENT REVISION	CG
4	06/10/2022	CT	100% CD REVISIONS	CG
5	11/15/2022	JG	100% CD REVISIONS	CG
6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG




SIGNED: 2023/01/26
EXPIRES: 2023/09/30

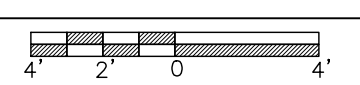
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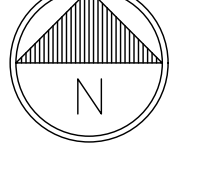
SHEET TITLE:
ENLARGED SITE PLAN

SHEET NUMBER:
A-2

REV:
6

1 ENLARGED SITE PLAN

SCALE:  3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)



APN: 142-12-007
ZONING: A1
AREA: 93.813 ACRES

1
A-3 (E) CROWN CASTLE RAN 12; SEE ANTENNA & EQUIPMENT LAYOUT

STANFORD RAN 12 / RED BARN

(E) 66"-8" JPA WOOD POLE (POLE# 8-162 T40653227) SMALL CELL NODE TO BE RELOCATED TO (N) POLE.

STANFORD GOLF COURSE



SITE NAME:
STANFORD RAN 12 / RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

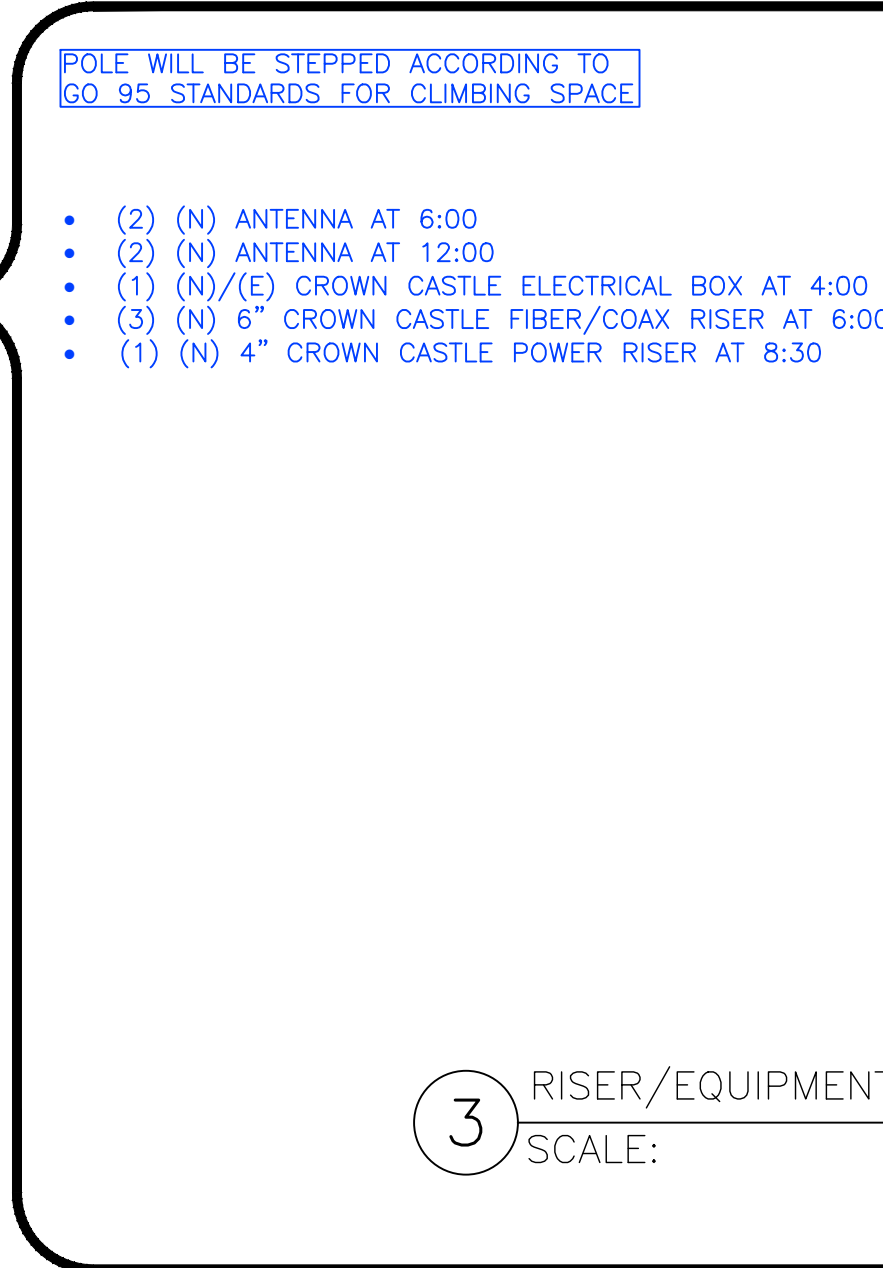
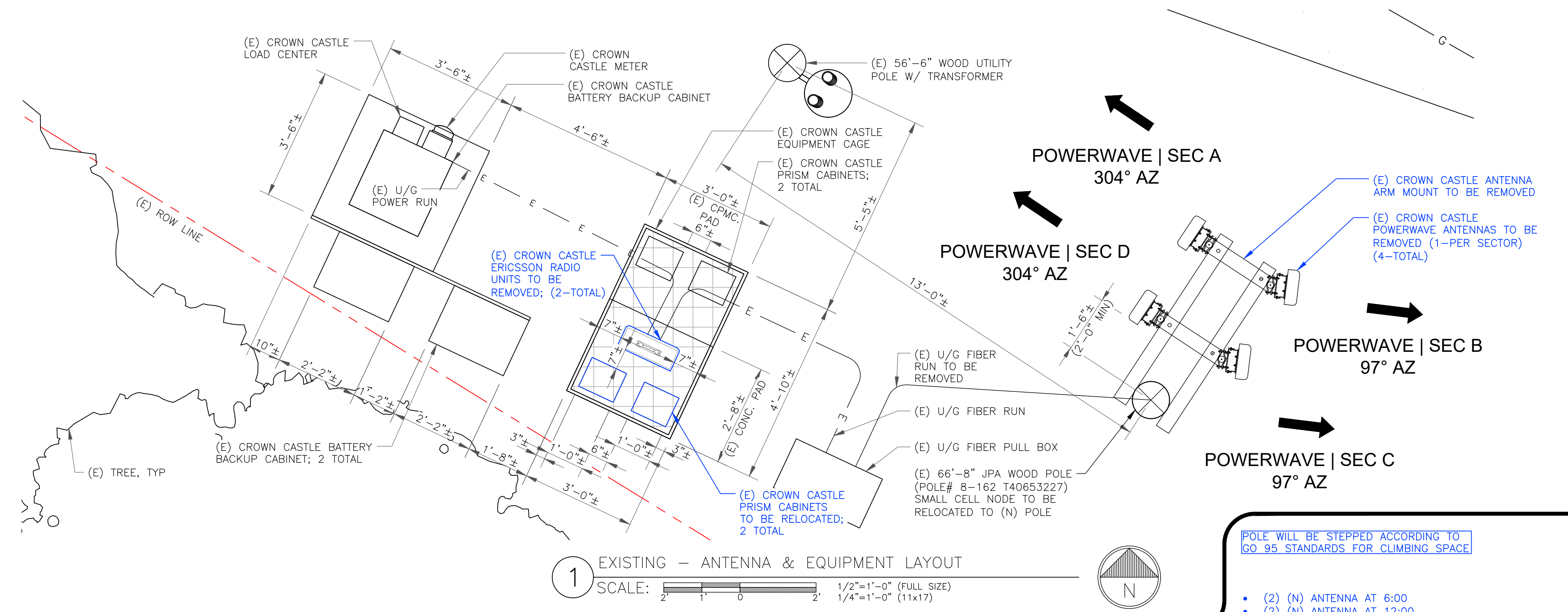
REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
2	10/13/2021	MJC	100% CONSTRUCTION DWGS	CG
3	01/20/2022	CT	100% CD CLIENT REVISION	CG
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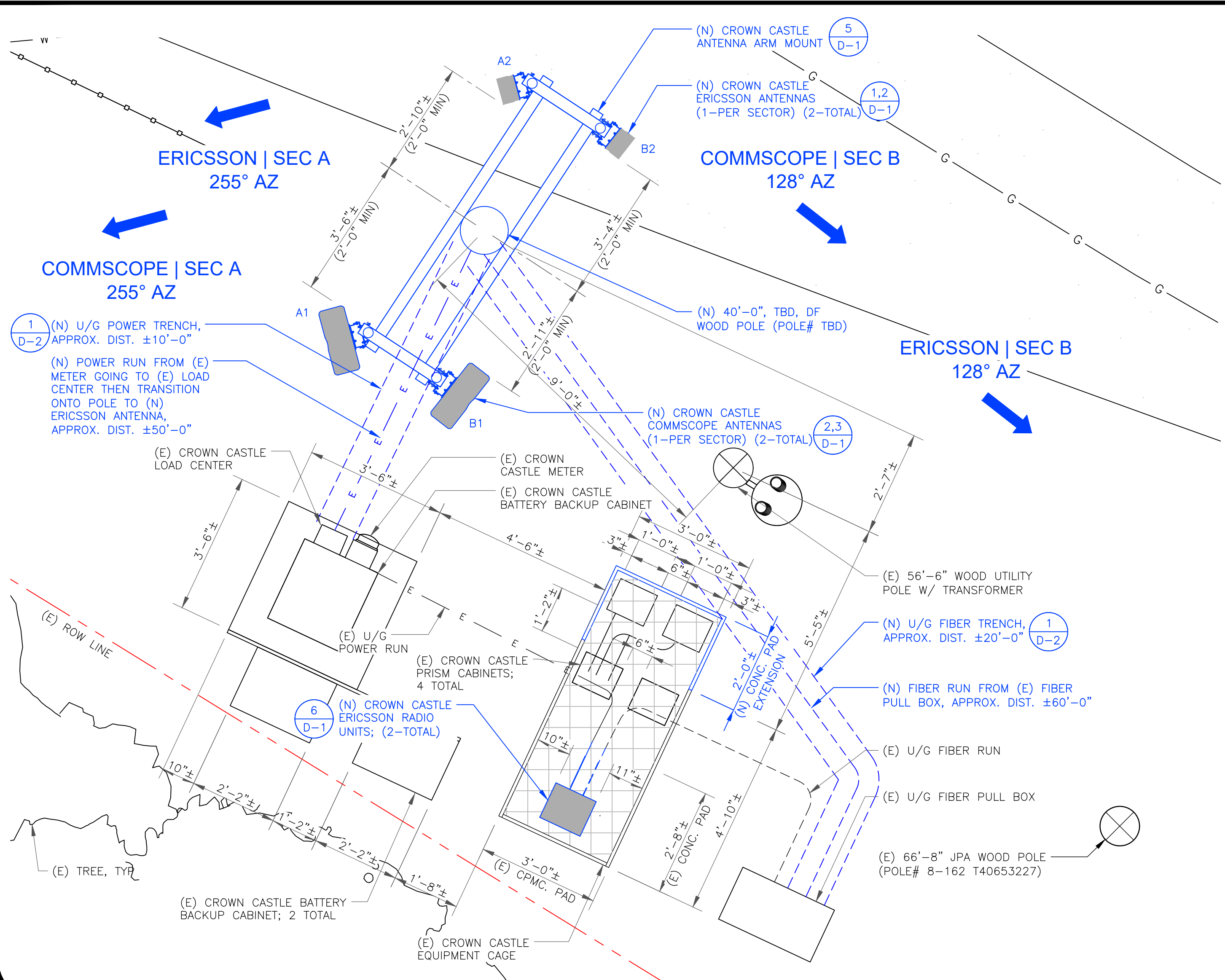
SHEET TITLE:
ANTENNA LAYOUT | EQUIPMENT LAYOUT

SHEET NUMBER: A-3 **REV:** 6



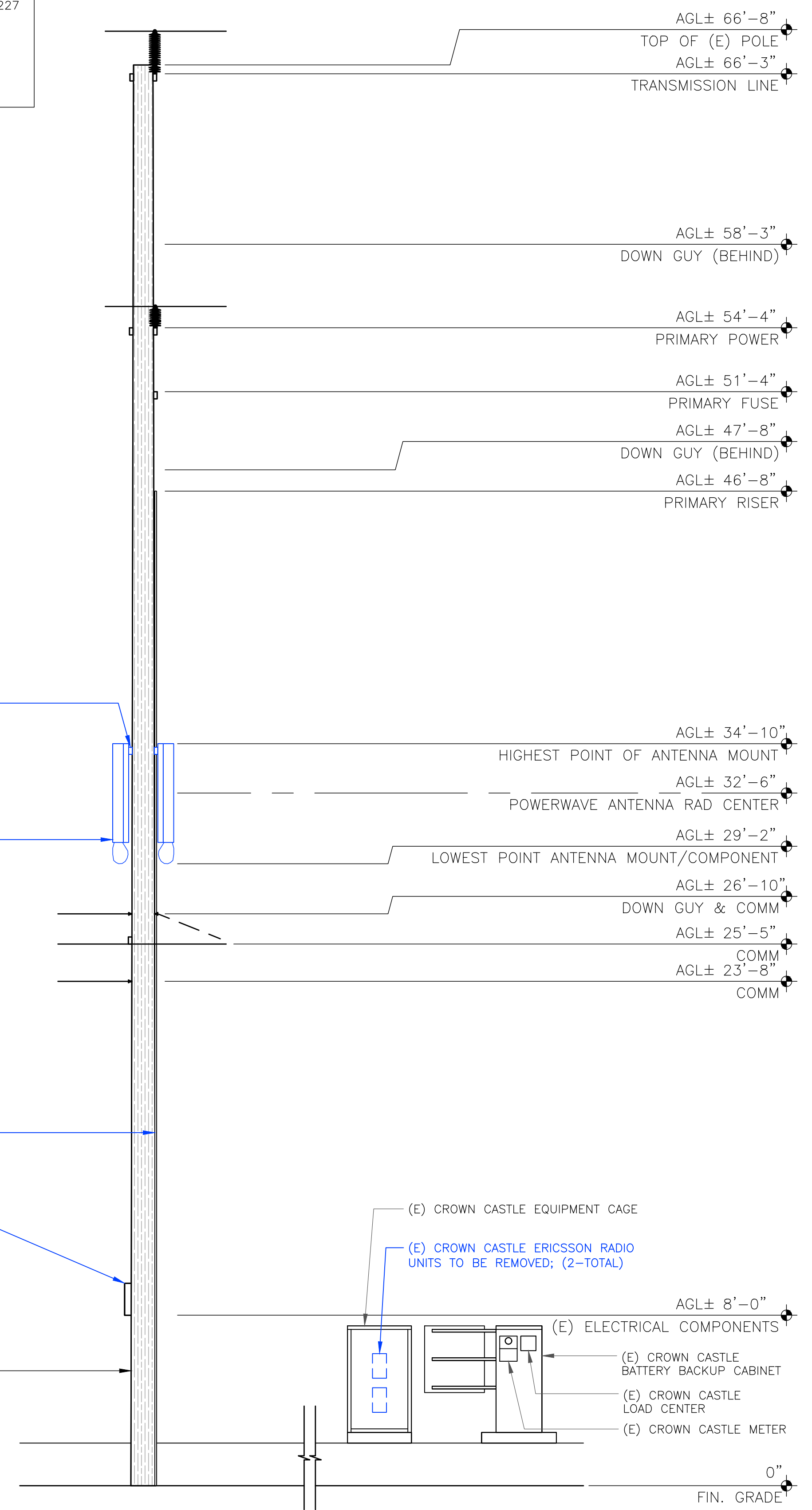
NEW ANTENNA SCHEDULE

SECTOR	ANTENNA			AZIMUTH	RAD CENTER	RRU	OTHER EQUIP	CABLING
	MANUFACTURER	MODEL	TECHNOLOGY					
SECTOR A	A1	COMMSCOPE	FFV484-65B-R7	700/1900/2100/CELL (VZW)	255°	31'-4"	ERICSSON 8843 (1900/2100 VZW)	(E) COAX (2) (N) SM FIBER (±60') (1) (N) POWER CABLE (±50')
	A2	ERICSSON	STREETMACRO 6701	5G (VZW)	255°	32'-6"	--	
	A3	--	--	--	--	--	--	
	A4	--	--	--	--	--	--	
SECTOR B	B1	COMMSCOPE	FFV484-65B-R7	700/1900/2100/CELL (VZW)	128°	31'-4"	ERICSSON 8843 (1900/2100 VZW)	(E) COAX (2) (N) SM FIBER (±60') (1) (N) POWER CABLE (±50')
	B2	ERICSSON	STREETMACRO 6701	5G (VZW)	128°	32'-6"	--	
	B3	--	--	--	--	--	--	
	B4	--	--	--	--	--	--	



2 NEW - ANTENNA & EQUIPMENT LAYOUT
SCALE: 1/2"=1'-0" (FULL SIZE), 1/4"=1'-0" (11x17)

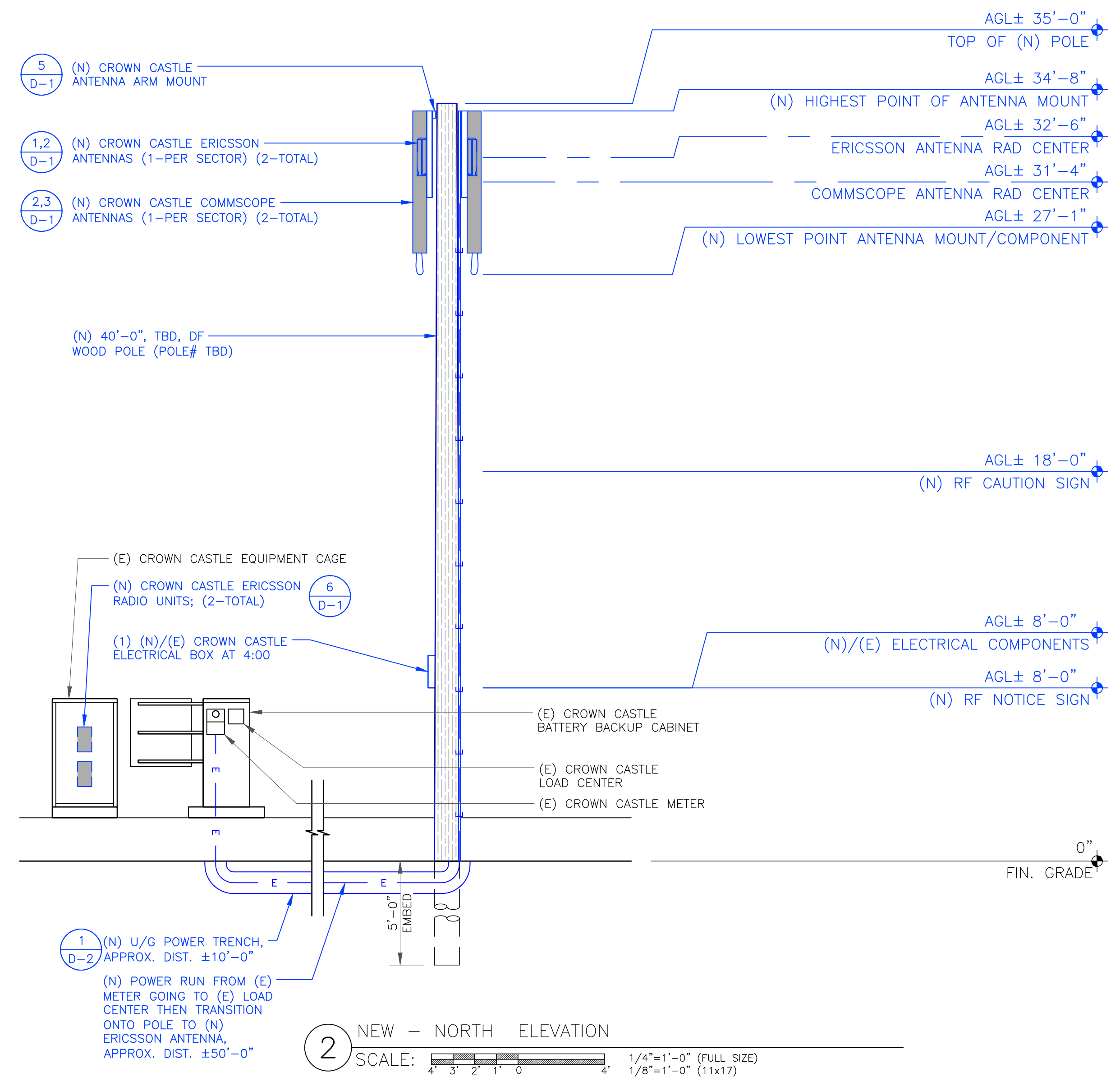
(E) POLE TYPE:	PG&E-OWNED WOOD
(E) POLE ID:	JPA POLE
(E) POLE CLASS/SPECIES:	8-162 T40653227
(E) POLE CIRCUMFERENCE:	1/DOUGLAS FIR
(E) POLE HEIGHT:	54"
(E) POLE OWNER:	PG&E



1 EXISTING - NORTH ELEVATION
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

4G AZIMUTHS:	SECTOR A = 255° SECTOR B = 128° 4G ANTENNA RAD CENTER = 31'-4"
5G AZIMUTHS:	SECTOR A = 255° SECTOR B = 128° 5G ANTENNA RAD CENTER = 32'-6"

(N) POLE TYPE:	WOOD JPA POLE
(N) POLE LENGTH / CLASS:	40' / 2
(N) POLE SPECIES:	DOUGLAS FIR
(N) SETTING DEPTH:	5'
(N) POLE G/L CIRCUMFERENCE:	38.90"
(N) POLE HEIGHT:	35' AGL
(N) POLE OWNER:	CROWN CASTLE



2 NEW - NORTH ELEVATION
SCALE: 1/4"=1'-0" (FULL SIZE)
1/8"=1'-0" (11x17)

CROWN CASTLE
1 PARK PLACE PLACE
DUBLIN, CA 94568

LEAF COMMUNICATIONS
1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
WWW.LEAFCOMM.COM
TEL: (949) 388-0192

SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
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6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG

LEAF COMMUNICATIONS

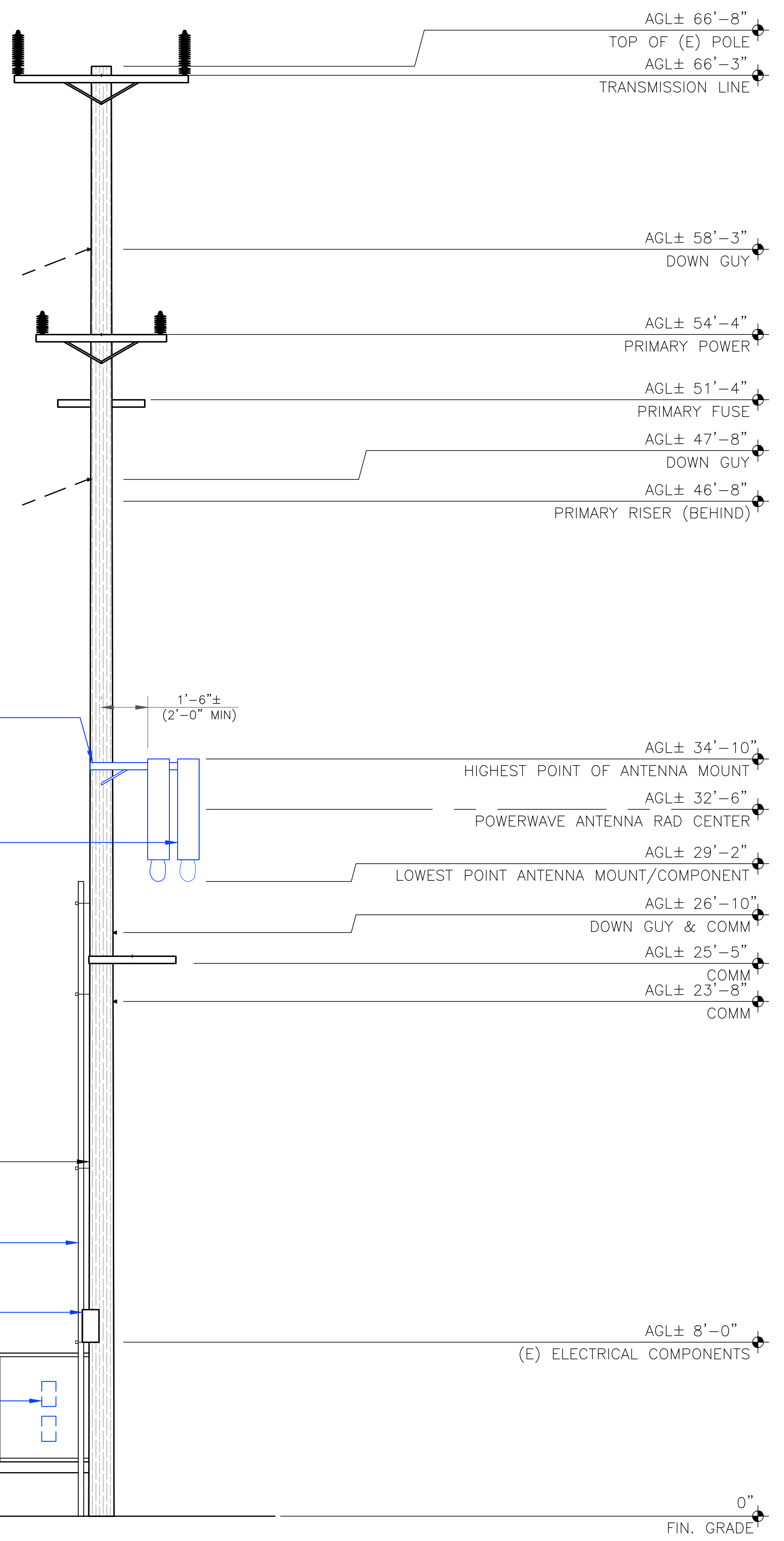
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SHEET TITLE:
ELEVATIONS

SHEET NUMBER: **A-4** REV: **6**

(E) POLE TYPE: PG&E--OWNED WOOD
 JPA POLE
 (E) POLE ID: 8-162 T40653227
 (E) POLE CLASS/SPECIES: 1/DOUGLAS FIR
 (E) POLE CIRCUMFERENCE: 54"
 (E) POLE HEIGHT: 75'
 (E) POLE OWNER: PG&E

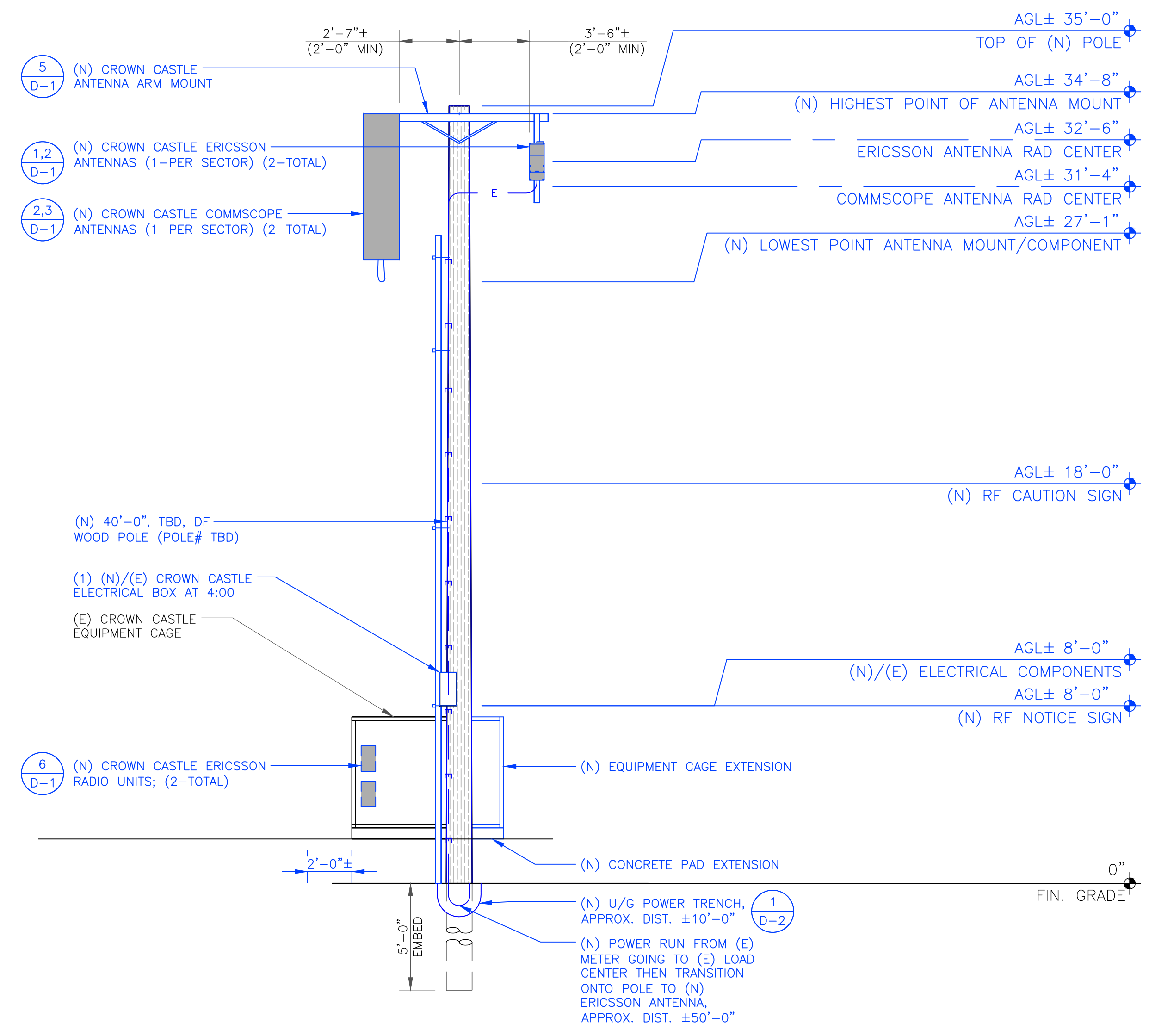


1 EXISTING - EAST ELEVATION

SCALE: 1/4"=1'-0" (FULL SIZE)
 1/8"=1'-0" (11x17)

4G AZIMUTHS:
 SECTOR A = 255°
 SECTOR B = 128°
 4G ANTENNA RAD CENTER = 31'-4"
 5G AZIMUTHS:
 SECTOR A = 255°
 SECTOR B = 128°
 5G ANTENNA RAD CENTER = 32'-6"

(N) POLE TYPE: WOOD JPA POLE
 (N) POLE LENGTH / CLASS: 40' / 2
 (N) POLE SPECIES: DOUGLAS FIR
 (N) SETTING DEPTH: 5'
 (N) POLE G/L CIRCUMFERENCE: 38.90"
 (N) POLE HEIGHT: 35' AGL
 (N) POLE OWNER: CROWN CASTLE



2 NEW - EAST ELEVATION

SCALE: 1/4"=1'-0" (FULL SIZE)
 1/8"=1'-0" (11x17)

CROWN CASTLE
 1 PARK PLACE PLACE
 DUBLIN, CA 94568

LEAF COMMUNICATIONS
 1000 CALLE CORDILLERA
 SAN CLEMENTE, CA 92673
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 TEL: (949) 388-0192

SITE NAME:
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 RED BARN
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 35 VISTA LANE
 STANFORD, CA 94305
 SITE TYPE:
 (N) 40'-0" JPA WOOD POLE

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6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG

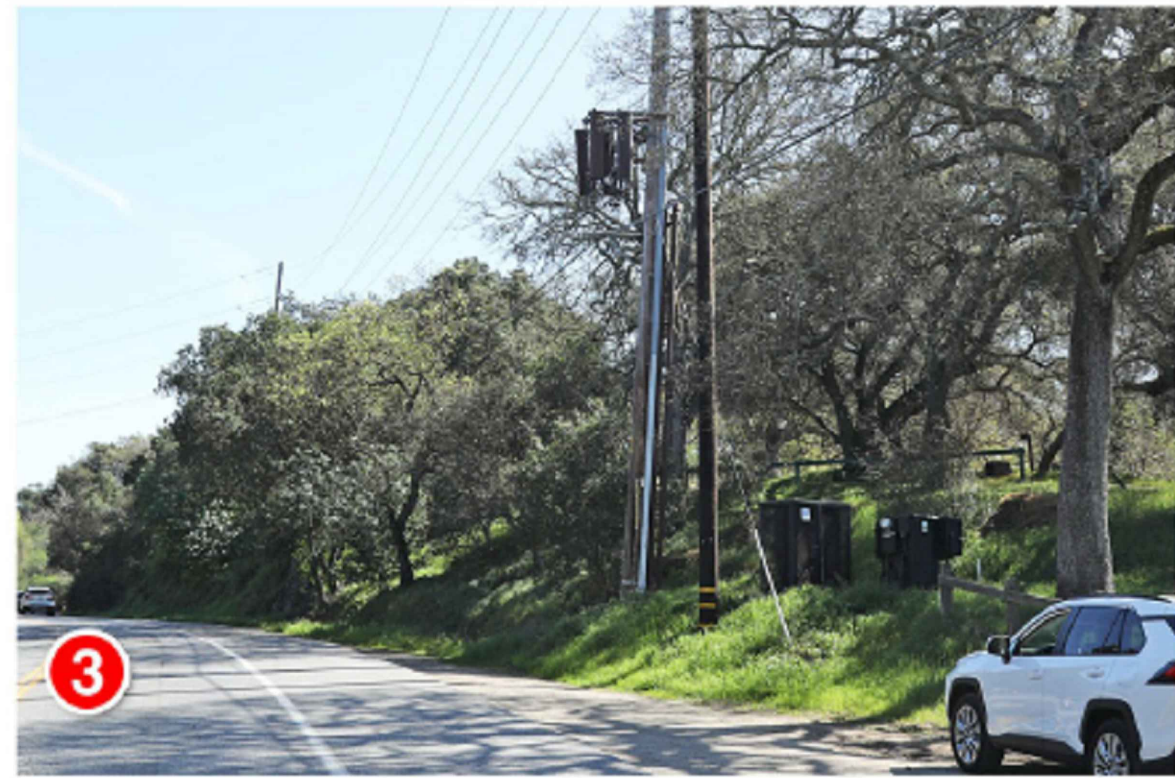
LEAF COMMUNICATIONS

SIGNED: 2023/01/26
 EXPIRES: 2023/09/30

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SHEET TITLE:
 ELEVATIONS

SHEET NUMBER: **A-5** REV: **6**



CROWN CASTLE
2/4/22

Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Aerial Map

Applied Imagination 510 914-0500

1 AERIAL MAP
SCALE: N.T.S



CROWN CASTLE
2/4/22

Stanford RAN 12 / Red Barn
160 Junipero Serra Blvd
Stanford, CA

Looking Northwest from Junipero Serra Blvd

View #1

Applied Imagination 510 914-0500

2 PHOTO SIMULATION – VIEW #1
SCALE: N.T.S

CROWN CASTLE
1 PARK PLACE PLACE
DUBLIN, CA 94568

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1000 CALLE CORDILLERA
SAN CLEMENTE, CA 92673
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SITE NAME:
STANFORD RAN 12 /
RED BARN

SITE ADDRESS:
35 VISTA LANE
STANFORD, CA 94305

SITE TYPE:
(N) 40'-0" JPA WOOD POLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
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1	09/21/2021	MJC	90% CD REVISION	CG
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3	01/20/2022	CT	100% CD CLIENT REVISION	CG
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6	11/17/2022	CT	100% CD REVISIONS	CG
Δ	01/25/2023	BD	PCC REVISIONS	CG

LEAF COMMUNICATIONS



SIGNED: 2023/01/26
EXPIRES: 2023/09/30

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

SHEET TITLE:
PHOTO SIMULATION

SHEET NUMBER:
A-6

REV:
6



Existing



Proposed

CROWN CASTLE **Stanford RAN 12 / Red Barn** Looking Northwest from Junipero Serra Blvd
 160 Junipero Serra Blvd **View #2**
 Stanford, CA Applied Imagination 510 914-0500
 2/4/22



Existing



Proposed

CROWN CASTLE **Stanford RAN 12 / Red Barn** Looking South from Junipero Serra Blvd
 160 Junipero Serra Blvd **View #3**
 Stanford, CA Applied Imagination 510 914-0500
 2/4/22

CROWN CASTLE
 1 PARK PLACE PLACE
 DUBLIN, CA 94568

LEAF COMMUNICATIONS
 1000 CALLE CORDILLERA
 SAN CLEMENTE, CA 92673
 WWW.LEAFCOMM.COM
 TEL: (949) 388-0192

SITE NAME:
 STANFORD RAN 12 /
 RED BARN

SITE ADDRESS:
 35 VISTA LANE
 STANFORD, CA 94305

SITE TYPE:
 (N) 40'-0" JPA WOOD POLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QA
0	09/03/2021	MJC	90% CONSTRUCTION DWGS	CG
1	09/21/2021	MJC	90% CD REVISION	CG
2	10/13/2021	MJC	100% CONSTRUCTION DWGS	CG
3	01/20/2022	CT	100% CD CLIENT REVISION	CG
4	06/10/2022	CT	100% CD REVISIONS	CG
5	11/15/2022	JG	100% CD REVISIONS	CG
6	11/17/2022	CT	100% CD REVISIONS	CG
△	01/25/2023	BD	PCC REVISIONS	CG

LEAF COMMUNICATIONS



SIGNED: 2023/01/26
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SHEET TITLE:
 PHOTO SIMULATION

SHEET NUMBER: **A-7** **REV:** **6**

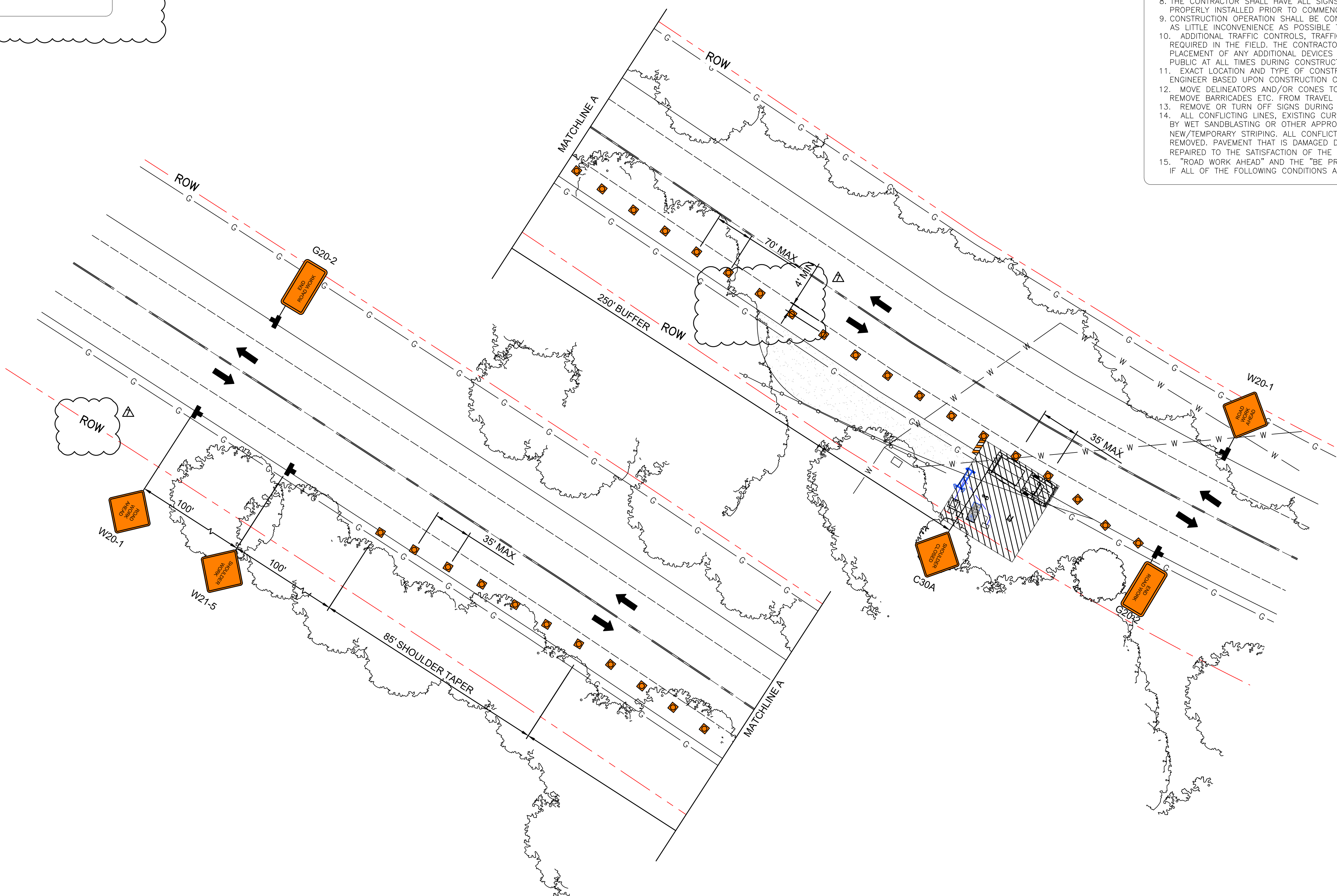
1 PHOTO SIMULATION – VIEW #2
 SCALE: N.T.S.

2 PHOTO SIMULATION – VIEW #3
 SCALE: N.T.S.

GENERAL NOTES:
 A. WORK OPERATIONS ARE 60 MINUTES OR LESS
 B. SPEED LIMIT IS 45 MPH OR LESS
 C. NO SIGHT OBSTRUCTIONS TO VEHICLES APPROACHING THE WORK AREA FOR A DISTANCE EQUAL TO THE BUFFER SPACE
 D. VEHICLES IN THE WORK AREA HAVE HIGH-INTENSITY, ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS OPERATING
 E. VOLUME AND COMPLEXITY OF THE ROADWAY HAS BEEN CONSIDERED

WORK HOURS
 MONDAY - FRIDAY
 9AM-3PM

GENERAL NOTES:
 1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) 2016 EDITION.
 2. ALL STRINGS AND MARKINGS SHALL CONFORM TO THE STATE OF CALIFORNIA, STANDARD PLANS AND SPECIFICATIONS, INCLUDING STANDARD PLAN A-20, DETAILS.
 3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
 4. FLASHING YELLOW BEACONS, TYPE "B", SHALL BE USED ON ALL W20-1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK AREA OVERNIGHT.
 5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
 6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED, REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH-INTENSITY REFLECTORIZED SLEEVE, IF USED DURING NIGHT-TIME HOURS.
 7. THE CONTRACTOR SHALL MAINTAIN ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
 8. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
 9. CONSTRUCTION OPERATION SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJUTING PROPERTY OWNERS.
 10. ADDITIONAL TRAFFIC CONTROLS, TRAFFIC SIGNS, OR BARRICADING MAY BE REQUIRED IN THE FIELD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIMES DURING CONSTRUCTION.
 11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
 12. MOVE DELINEATORS AND/OR CONES TO SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES ETC. FROM TRAVEL LANE.
 13. REMOVE OR TURN OFF SIGNS DURING NON-WORK HOURS.
 14. ALL CONFLICTING LINES, EXISTING CURB PAINT, AND MARKING SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO INSTALLATION OF NEW/TEMPORARY STRIPING. ALL CONFLICTING RAISED PAVEMENT MARKERS SHALL BE REMOVED. PAVEMENT THAT IS DAMAGED DUE TO REMOVAL OF MARKERS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER AND/OR STATE INSPECTOR.
 15. "ROAD WORK AHEAD" AND THE "BE PREPARED TO STOP" SIGNS MAY BE OMITTED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:



SITE NAME:
 STANFORD RAN 12 / RED BARN

SITE ADDRESS:
 35 VISTA LANE
 STANFORD, CA 94305

SITE TYPE:
 (N) 40'-0" JPA WOOD POLE

ISSUED FOR:

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SHEET TITLE:
 TRAFFIC CONTROL PLAN

SHEET NUMBER:
 TCP-1

REV:
 6

1 TRAFFIC CONTROL PLAN
 SCALE: 1"=20'-0" (FULL SIZE)
 1"=40'-0" (11x17)

ATTACHMENT E

Extension of Small Cell Facility 90-day Shot Clock Deadline

From: [Schneider, Tabitha](#)
To: [Ahluwalia, Charu](#)
Subject: [EXTERNAL] RE: PLN23-011_New Wireless Telecommunication Facility (Stanford)_Extension of Time Request
Date: Wednesday, March 15, 2023 8:51:35 AM
Attachments: [image002.png](#)
[image003.png](#)

Hello Charu,

The Applicant is granting a 45-day extension of time to the 90-day shot clock for the new wireless telecommunication facility located on Junipero Serra Blvd. (Record No. PLN23-011. I will send a more formalized letter on our Crown Castle letterhead as a followup. Thanks for reaching out and let me know if you need anything else.

Tabitha Schneider
Supervisor Network Permitting

Crown Castle
1 Park Place, Suite 300, Dublin, Ca. 94568
[CrownCastle.com](#)



From: [REDACTED]
Sent: Friday, March 10, 2023 1:37 PM
To: Schneider, Tabitha [REDACTED]
Subject: PLN23-011_New Wireless Telecommunication Facility (Stanford)_Extension of Time Request

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Tabitha,

As discussed on call this afternoon, County Staff is requesting a 45-day extension to the 90-day shot clock for the new wireless telecommunication facility located on Junipero Serra Blvd. (Record No. PLN23-011). The application was deemed complete on Feb 17, 2023 (intake date Jan 19, 2023), and the 90 day shot-clock ends on April 19, 2023. With the 45-day extension, the new deadline would be **June 3, 2023**.

Hope you can provide a response to this extension request by Tuesday, March 14, 2023.

You can respond to this email with the following: "The Applicant is granting a 45-day extension of time to the 90-day shot clock for the new wireless telecommunication facility located on Junipero Serra Blvd. (Record No. PLN23-011).

Let me know if you have any questions.

Best,



CHARU AHLUWALIA

Senior Planner

**Department of Planning and Development
County of Santa Clara**

70 W. Hedding Street | 7th Floor | East Wing

San Jose | CA 95110

Phone: (408) 299-5740

charu.ahluwalia@pln.sccgov.org

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