

**COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT**

DATE: August 20, 2026

TO: Zoning Hearing Officer

FROM: Planning Staff

SUBJECT: Consideration of a Use Permit, pursuant to Chapters 8.280 and 8.376 of the San Mateo County Zoning Regulations, to install a new wireless telecommunication facility on a joint utility pole located in the Valparaiso Avenue public right-of-way in the unincorporated West Menlo Park area of San Mateo County.

County File Number: PLN2026-00213 (Crown Castle)

PROPOSAL

The applicant proposes the installation of installing a new wireless telecommunication facility on an existing utility pole. The project consists of placing a mount and three antennas to the top of the new pole. The antennas will be shrouded by a cylindrical radome, which will result in a maximum height of 37 feet 3 inches. Additionally, a smart meter and power and fiber conduit will be added to the pole. No grading or tree removal activities are proposed.

RECOMMENDATION

That the Zoning Hearing Officer approve the Use Permit, County File Number PLN 2026-00213, by making the required findings and adopting the conditions of approval as listed in Attachment A.

BACKGROUND

Report Prepared By: Angela Chavez

Applicant: Jason Camarena for Crown Castle

Owner: Public Right-Of-Way

Pole Owner: Joint Pole Association (JPA)/California Public Utilities Commission (CPUC)

Public Notification: Ten-day advanced notification for the hearing was mailed to property owners within 300 feet of the project parcel and a notice for the hearing posted in a newspaper (San Mateo County Times) of general public circulation

Location: Valparaiso Avenue Public right-of-way (in front of 1828 Valparaiso Avenue), Unincorporated West Menlo Park

APN: In front of 070-302-160

Existing Zoning: R-1/S-92 (One-Family Residential District/5,000 sq. ft. Minimum Parcel Size)

General Plan Designation: Medium Low Density Residential

Sphere-of-Influence: City of Menlo Park

Existing Land Use: Utility Pole located within the public right-of-way

Flood Zone: The project site is located in Flood Zone X as defined by FEMA (Community Panel Number 06081C0304E, dated October 16, 2012), which is an area of minimal flood hazard.

Environmental Evaluation: The project is categorically exempt under provisions of Class 1, Section 15301 (Existing Facilities), of the California Environmental Quality Act (CEQA) Guidelines for minor alterations to an existing structure.

Setting: The project site is located just south of the boundary between Unincorporated San Mateo County and the Incorporated City of Menlo Park at the intersection of Valparaiso Avenue and Corcoran Lane. The adjacent parcels are all developed with single-family residential development.

Chronology:

<u>Date</u>	<u>Action</u>
June 9, 2026	- Application Received
July 27, 2026	- Application Deemed Complete
August 20, 2026	- Zoning Hearing Officer Meeting

DISCUSSION

A. KEY ISSUES

1. Compliance with the General Plan

Staff has reviewed the project and found it to be compliant with all applicable County General Plan policies, specifically:

Visual Quality

Policy 4.21 (*Utility Structures*) requires minimizing adverse visual impacts generated by utility structures. The project site is located within the public right-of-way along a residential street in a single-family residentially zoned district. The existing pole currently stands at 34 feet 3 inches above grade and the project proposes to increase the overall height by 4 feet for a total height of 37 feet 3 inches. The height increase is minimal and accounts for a small antenna mount, antennas, and their cylindrical shroud which obscures them from view. The existing utility pole is visible from both the roadway and adjacent residences. However, the proposed antennas cylindrical shroud is in keeping with the profile of the utility pole and all proposed equipment is designed to attach directly to the pole which aids in minimizing the visual bulk of the additions to or below the pole. To ensure visual impacts are minimized, the equipment clusters will be similar in scale and appearance to equipment typically found on utility poles and will be painted brown to match the wood material of the joint utility pole.

2. Compliance with the Zoning Regulations

The proposed project site is within the public right-of-way in the R-1/S-92 (One-Family Residential District/5,000 sq. ft. minimum parcel size) Zoning District. The zoning district standards, with the exception of height, are not applicable since the site is located within the public right-of-way.

The maximum height allowed in the R-1/S-92 Zoning District is 28 feet. The proposed project will consist of three small cell antennas at the top of an existing utility pole and ancillary pole-mounted equipment. The existing pole is currently over the maximum allowed height by 6 feet 3 inches for a maximum height of 34 feet 3 inches. The project proposes adding an additional 4 feet to the height of the pole. The additional height is due to the location of the antennas as General Order No. 95 (GO95), mandated by the California Public Utilities Commission, requires all cellular antennas to be at least 6 feet from adjacent power supply lines. The placement of the antennas meets the separation distance necessary to continue the power line service. While this results in 37 feet 3 inches, which exceeds the 28

feet zoning height limit set by the zoning district, State regulations supersede local regulations in this situation.

Section 8.376.030.II.1.2 (*Development And Design Standards For New Wireless Telecommunication Facilities That Are Not Co-Location Facilities*) of the San Mateo County Zoning Regulations states, in any Residential (R) District, that no monopole or antenna shall exceed the maximum height for structures allowed in that district, except that new equipment on an existing facility in the public right-of-way shall be allowed to exceed the maximum height for structures allowed in that district by 10 percent of the height of the existing facility, or by 5 feet, whichever is less. The new equipment for this wireless facility will not be in compliance with this section. However, due to GO95, the project has been specially designed to meet the State's safety requirements to meet the minimum clearance of 6 feet. Therefore, the proposed project adheres to this section to the best of its ability.

3. Compliance with the Wireless Telecommunication Facilities Ordinance

Staff has reviewed the project against the provisions of the Wireless Telecommunication Facilities (WTF) Ordinance and determined that the project complies with the applicable standards discussed below:

a. Development and Design Standards

Section 8.376.030.II.A states that new wireless telecommunication facilities shall be prohibited in a Sensitive Habitat, as defined by Policy 1.8 of the General Plan (*Definition of Sensitive Habitats*) for facilities proposed outside of the Coastal Zone.

The project is not located in a sensitive habitat, as defined by Policy 1.8 of the General Plan.

Section 8.376.030.II.B prohibits new wireless telecommunication facilities from being located in areas zoned Residential (R), unless the applicant demonstrates that a review has been conducted of other options and no other sites or combination of sites allow feasible service or adequate capacity and coverage.

The proposed facility will be located on a joint utility pole within the public right-of-way in the R-1/S-92 Zoning District. The proposed location was chosen in an effort to adequately provide wireless voice and data coverage to the surrounding area. Small cell facilities such as the proposed site are not meant to increase the coverage area but to assist with unloading traffic from the macro site network. This increases data speed and decreases dropped calls. Because of this,

they are placed in specific locations of need to service a specific community.

The applicant has identified and researched alternative sites. The radius of the map provided is smaller than 2.5 miles because small cell technology requires the sites to be much closer together than the larger macro sites. Because of this, a larger radius would not be an accurate representation of Crown Castle's site analysis process. The applicant indicated that other alternative sites were explored but were ruled out as viable proposed sites due to location (i.e. too far from target service area), inadequate space on the existing pole, and/or impacts to adjacent property owners.

Section 8.376.030.II.C prohibits new wireless telecommunication facilities to be located in areas where co-location on existing facilities would provide equivalent coverage with less environmental impacts.

The applicant was unable to identify any existing wireless facilities within a 2.5-mile radius that would either allow co-location or provide coverage to the target area. Though monopoles and cellular towers exist within a 2.5-mile radius, these alternative sites are not feasible due to their location outside of the proposed small cell network and their inability to increase network capacity and coverage.

Section 8.376.030.II.D requires new wireless telecommunication facilities to be constructed so as to accommodate co-location, and must be made available for co-location.

Future co-locations are technically feasible as long as the proposed facilities comply with California Public Utilities Commission General Order 95 (GO95) engineering requirements. However, this proposed facility will be a pole-top mounted facility and, thus, cannot be co-located per PG&E GO95 requirements. Therefore, future co-locations are not anticipated.

Sections 8.376.030.II.E and F seek to minimize and mitigate visual impacts from public views by siting new facilities outside of public views, using natural vegetation for screening, painting equipment to blend with existing landscaping, and designing the facility to blend in with the surrounding environment.

The proposed facility includes three antennas enclosed by a cylindrical shroud located at a maximum height of 37 feet 3 inches above grade, mounted to the top of an existing joint utility pole located in the public right-of-way. In an effort to minimize visual impacts, the antenna and proposed equipment shall be painted a non-reflective brown color to match the utility pole. No trees or vegetation are proposed for removal.

Section 8.376.030.II.G requires that the exterior of wireless telecommunication facilities be constructed of non-reflective materials.

The proposed facility will be constructed of non-reflective materials. As discussed in the section above, the facility will be painted a non-reflective brown color to match the brown wood material of the joint utility pole.

Section 8.376.030.II.H requires that wireless telecommunication facilities comply with all the requirements of the underlying zoning district, including, but not limited to, setbacks, Design Review in the DR district(s), Architectural Review in designated Scenic Corridors, and Coastal Development Permit regulations in the CZ or CD zones.

As discussed in Section A.2, Compliance with the Zoning Regulations, the existing and proposed replacement joint utility pole, where the proposed facility is to be located, are situated in the public right-of-way and are not subject to the R-1/S-92 Zoning District development standards for setbacks; compliance with the applicable height standard is discussed below. As discussed in Section 2, Compliance with Zoning Regulations, the proposed facility complies as much as is reasonably possible. The project site is not located within a Design Review, Architectural Review, or Coastal Development district.

Section 8.376.030.II.I.2 states that new equipment located on existing facilities in the public right-of-way in any Residential (R) District, shall be allowed to exceed the maximum height for structures allowed in that district by 10 percent of the height of the existing facility, or by 5 feet, whichever is less.

The maximum height allowed in the R-1/S-92 Zoning District is 28 feet. The proposed project involves installing a new wireless telecommunication facility on an existing joint utility pole. As discussed in Section A.2, the proposed facility must comply with CPUC GO95 clearance regulations which requires at least 6 feet of clearance between the power lines and equipment for the wireless

telecommunication facility. The replacement pole provides the height necessary to continue to support the overhead power lines and the required 6 feet of separation. Given this, the project is as nearly in compliance as is reasonably possible.

b. Performance Standards

The proposed project meets the required standards of Section 8.376.030 (*Performance Standards for New Wireless Telecommunication Facilities That Are Not Co-Location Facilities*) for lighting, licensing, provision of a permanent power source, timely removal of the facility, and visual resource protection. There is no lighting proposed, proper licenses will be obtained from both the Federal Communications Commission (FCC) and the California Public Utilities Commission (CPUC), power for the facility will be provided by PG&E, visual impact will be minimal, and conditions of approval will require maintenance and/or removal of the facility when it is no longer in operation. Furthermore, road access to the proposed project site is existing and no noise exceeding the standards per San Mateo County's Noise Ordinance will be produced. Conditions of Approval Nos. 7-13 were added to ensure compliance with the performance standards of this section (see Attachment A).

4. Compliance with the Use Permit Findings

For the use permit to be approved by the Zoning Hearing Officer, the following findings must be made:

- a. **That the establishment, maintenance, and/or conducting of the use will not, under the circumstances of this particular case, be detrimental to the public welfare or injurious to property or improvements in said neighborhood.**

Cellular communications facilities, such as the proposed project, require the submittal and review of a radio frequency (RF) report to ensure that the RF emissions from the proposed antenna do not exceed the Federal Communications Commission's public exposure limits. The applicant submitted a radio frequency report prepared by Waterford Consultants, LLC, dated May 8, 2026, confirming that the proposed facility will comply with the prevailing standards for limiting public exposure to radio frequency energy and thus, will not cause a significant impact on the environment. The report states that the maximum RF level is calculated to be 5.534 percent of the applicable public exposure limit. It should be noted that these results include several "worst-case" assumptions and therefore are expected to overstate actual power density levels from the proposed operation.

Due to the location of the mounted antenna, it will not be accessible to the general public and therefore no mitigation measures are necessary to comply with the FCC public exposure guidelines. To ensure compliance with occupational exposure limitations, staff has included a condition of approval, as recommended by Waterford Consultants, LLC, for the posting of explanatory warning signs on the pole below the antennas, readily visible from any angle of approach to people who may need to work within the area (see Attachment A).

Furthermore, the proposed facility will be unmanned at all times, and be serviced only periodically by Crown Castle. The proposed facility will not generate significant traffic, noise, or intensification of use of the site.

With the discussion above, staff has determined that the proposed project will not have a negative environmental, health, or visual impact on people or property within the project vicinity.

- b. **That this telecommunication facility is necessary for the public health, safety, convenience, or welfare of the community.**

Staff has determined that installation of a cellular facility at the proposed location will allow for increased clarity, range, and capacity of the existing cellular network and will enhance services for the public. The proposed facility is minimally visually intrusive option available to expand Crown Castle's network capacity and service coverage in this area. The proposed facility does not result in a new pole location and will add small equipment without disturbing the character of the neighborhood.

B. ENVIRONMENTAL REVIEW

This project is categorically exempt pursuant to Section 15301, Class 1, of the California Environmental Quality Act (CEQA) related to the minor alteration of existing facilities and or structures.

C. REVIEWING AGENCIES

San Mateo County Department of Public Works
Menlo Park Fire Protection District

ATTACHMENTS

- A. Recommended Findings and Conditions of Approval
- B. Vicinity Map
- C. Project Plans
- D. Photo Simulations
- E. Radio Frequency Report

County of San Mateo
Planning and Building Department

RECOMMENDED FINDINGS AND CONDITIONS OF APPROVAL

Permit or Project File Number: PLN2026-00213

Hearing Date: August 20, 2026

Prepared By: Angela Chavez, Senior Planner For Adoption By: Zoning Hearing Officer

RECOMMENDED FINDINGS

Regarding the Environmental Review, Find:

1. That this project is categorically exempt from environmental review, per Class 1, Section 15301, of the California Environmental Quality Act (CEQA) Guidelines related to the minor alteration of existing facilities and or structures.

Regarding the Use Permit, Find:

2. That the establishment, maintenance, and/or conducting of the use will not, under the circumstances of this particular case, be detrimental to the public welfare or injurious to the property or improvements in said neighborhood because the project will meet current Federal Communications Commission (FCC) standards as shown in the radio frequency radiation report and has been conditioned to maintain a valid FCC and California Public Utilities Commission (CPUC) license.
3. That this telecommunication facility is necessary for the public health, safety, convenience, or welfare of the community in that installing a cellular facility at this location will provide increased and improved cellular coverage in the area for residents, commuters, and emergency personnel.

RECOMMENDED CONDITIONS OF APPROVAL

Current Planning Section

1. This approval applies only to the proposal, documents, and plans described in this report and submitted to and approved by the Zoning Hearing Officer on August 20, 2026. Minor revisions or modifications may be approved by the Community Development Director if they are consistent with the intent of and in substantial conformance with this approval.

2. This use permit shall be for the proposed project only. Any change or change in intensity of use shall require an amendment to the use permit. Amendments to this use permit require an application for amendment, payment of applicable fees, and consideration at a public hearing.
3. This permit shall be valid for 10 years until August 20, 2036. If the applicant seeks to renew this permit, renewal shall be applied for six months prior to expiration with the Planning and Building Department and shall be accompanied by the renewal application and fee applicable at that time. Renewal of this permit shall be considered at a public hearing.
4. The applicant shall paint the antenna, conduit, and equipment boxes a non-reflective brown color to match the utility pole. Two copies of each color sample shall be submitted to the Current Planning Section at the time of application for an encroachment permit. Color verification will be confirmed by the Current Planning Section prior to a final inspection for the encroachment permit.
5. During project construction, the applicant shall, pursuant to Chapter 4.100 of the San Mateo County Ordinance Code, minimize the transport and discharge of stormwater runoff from the construction site into storm drain systems by:
 - a. Stabilizing all denuded areas and maintaining erosion control measures continuously between October 1 and April 30. Stabilizing shall include both proactive measures, such as the placement of hay bales or coir netting, and passive measures, such as revegetating disturbed areas with plants propagated from seed collected in the immediate area.
 - b. Storing, handling, and disposing of construction materials and wastes properly, so as to prevent their contact with stormwater.
 - c. Controlling and preventing the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, and non-stormwater discharges to storm drains and watercourses.
 - d. Avoiding cleaning, fueling, or maintaining vehicles on-site, except in a designated area where wash water is contained and treated.
 - e. Delineating with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.
 - f. Protecting adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.
 - g. Performing clearing and earth-moving activities only during dry weather.

- h. Limiting and timing application of pesticides and fertilizers to prevent polluted runoff.
 - i. Limiting construction access routes and stabilizing designated access points.
 - j. Avoiding tracking dirt or other materials off-site; cleaning off-site paved areas and sidewalks using dry sweeping methods.
 - k. The contractor shall train and provide instruction to all employees and subcontractors regarding the construction Best Management Practices.
- 6. This permit does not allow for the removal of any trees. Any tree removal will require a separate permitting process.
 - 7. The applicant shall not enter into a contract with the landowner or lessee which reserves for one company exclusive use of structures on this site for telecommunication facilities.
 - 8. The wireless telecommunication facility shall not be lighted or marked unless required by the Federal Communications Commission (FCC) or the Federal Aviation Administration (FAA).
 - 9. The applicant shall file, receive, and maintain all necessary licenses and registrations from the Federal Communications Commission, the California Public Utilities Commission (CPUC), and any other applicable regulatory bodies prior to initiating the operation of this facility. The applicant shall supply the Planning and Building Department with evidence of each of these licenses and registrations. If any required license is ever revoked, the applicant shall inform the Planning and Building Department of the revocation within 10 days of receiving notice of such revocation.
 - 10. Once a use permit is obtained, the applicant shall obtain an encroachment permit and build in accordance with the approved plans.
 - 11. The project's final inspection approval shall be dependent upon the applicant obtaining a permanent and operable power connection from the applicable energy provider.
 - 12. The wireless telecommunication facility and all equipment associated with it shall be removed in its entirety by the applicant within 90 days if the FCC and/or CPUC license and registration are revoked or the facility is abandoned or no longer needed, and the sites shall be restored to blend with the surrounding area. The owner and/or operator of the wireless telecommunication facility shall notify the

Planning Department upon abandonment of the facility. Restoration shall be completed within two months of the removal of the facility.

13. This wireless telecommunication facility shall be maintained by the permittee(s) and subsequent owners in a manner that implements visual resource protection requirements of Sections 8.376.030.II.E and F (e.g., landscape maintenance and painting), as well as all other applicable zoning standards and permit conditions.
14. Noise sources associated with demolition, construction, repair, remodeling, or grading of any real property shall be limited to the hours from 7:00 a.m. to 6:00 p.m., weekdays and 9:00 a.m. to 5:00 p.m., Saturdays. Said activities are prohibited on Sundays, Thanksgiving, and Christmas (San Mateo Ordinance Code Section 4.88.360).
15. To reduce the impact of construction activities within the public right-of-way and/or on neighboring properties, the applicant shall ensure that no construction-related vehicles impede through traffic along Valparaiso Avenue or other public right-of-ways.
16. To reduce the impact of potential traffic hazards from service visits to the facility, the applicant shall ensure that no vehicles related to the service and/or maintenance of the cellular facility impede through traffic along Valparaiso Avenue or other public right-of-ways.
17. Explanatory signs are required to be posted at the antennas and/or on the pole below the antennas, readily visible from any angle of approach to persons who might need to work within the project area.
18. The facility shall be maintained in good working condition and to the visual standards established at the time of approval over the life of this permit. The facility and surrounding area shall remain free from trash, debris, litter, graffiti, and other forms of vandalism. Any damage shall be repaired as soon as is practicable, and in no instance more than 10 calendar days from the time of notification by the County or after discovery by the permit holder.

Department of Public Works

19. No proposed construction work within the County right-of-way shall begin until County requirements for the issuance of an encroachment permit, including review of the plans, have been met and an encroachment permit issued. Applicant shall contact a Department of Public Works Inspector 48 hours prior to commencing work in the right-of-way.
20. Revise the construction plans to correct the following items: On Sheet D-3, remove Menlo Park City's standard details and insert County's Trenching Detail D-13. TCP shall be revised match street speed limit of 30MPH.

Menlo Park Fire Protection District

21. The project is to comply with the 2025 CA Building/Fire Codes and local amendments and California Code of Regulations Title 19 that apply to the project.

22. The following plan review comments are applicable to this submittal:

If applicable:

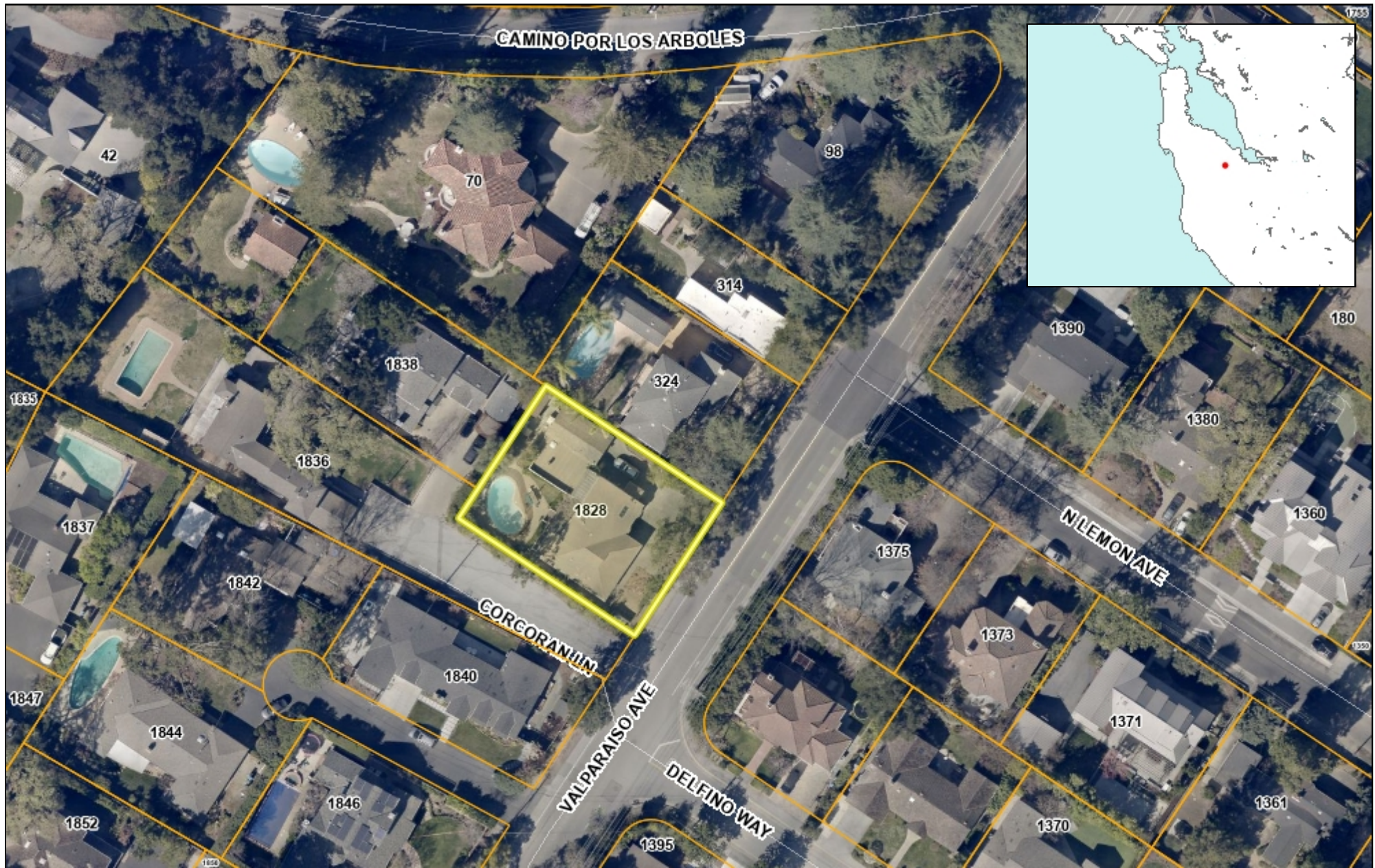
Battery storage system to be equipped with:

- a. Safety venting caps on batteries.
 - b. Spill containment control
 - c. Spill neutralization kit
 - d. Ventilation – supervision is required by an approved central station, proprietary or remote station service or shall indicate an audible/visual signal at a constant attended onsite location.
 - e. Signage – Sign shall state: 1. Room contains energized battery circuits. 2. Room contains energized electrical circuits. 3. The room contains corrosives liquids.
 - f. Seismic protection
 - g. Smoke detection
23. The applicant shall provide address numbers on enclosure and exterior gate/fence. The address shall be visible from the street and contrasting to its background.
24. Provide emergency contact information on enclosure exterior gate/fence.
25. Approved plans and approval letter must be on site at the time of inspection.
26. Upon completion of work and prior to closing ceiling, contact the Menlo Park Fire Protection District at 650-688-8430 to schedule a final inspection. 48 HOURS NOTICE IS REQUIRED FOR ALL INSPECTIONS.



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT B



0.04 0 0.02 0.04 Miles

WGS_1984_Web_Mercator_Auxiliary_Sphere
© Latitude Geographics Group Ltd.

1:1,128



This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT C

CROWN CASTLE TITLE SHEET		NODE ID: CA_SF_MENLOPARK_177M1	
 CROWN CASTLE ADDRESS: 1828 VALPARAISO AVE, MENLO PARK, CA 94025 JURISDICTION: WEST MENLO PARK POLE ID: N/A COORDINATES: 37.438772°, -122.202019° CROWN CASTLE NODE ID: CA_SF_MENLOPARK_177M1 CROWN CASTLE SCU #: 525235 CARRIER: VERIZON CUSTOMER NODE ID #: 5000338919		 Know what's below. Call before you dig. THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROJECT TEAM APPLICANT INFO: COMPANY: CROWN CASTLE ADDRESS: 2055 S. STEARMAN CHANDLER, AZ 85286 CONTACT: JASON CAMARENA PHONE: (510) 513-1982 EMAIL: jason.camarena@crowncastle.com CROWN CASTLE UTILITY CONTACT: CONTACT: EARLE CARRION PHONE: (408) 468-5538 EMAIL: earle.carrion@crowncastle.com CIVIL: COMPANY: KIMLEY-HORN ADDRESS: 767 EUSTIS STREET SUITE 100 SAINT PAUL, MN 55114 CONTACT: TYLER REISSETTER PHONE: (763) 370-0240 EMAIL: tyler.reisetter@kimley-horn.com	

NODE INFORMATION

CROWN NODE ID: CA_SF_MENLOPARK_177M1

CROWN SCU #: 525235

CARRIER: VERIZON

CUSTOMER NODE ID #: 5000338919

POLE ID: N/A

POLE OWNER: PG&E

POWER PROVIDER: PG&E

HUB ID: 5000021333_SPRING ST HUB

LATITUDE: 37.438772°

LONGITUDE: -122.202019°

ADDRESS: 1828 VALPARAISO AVE

JURISDICTION: WEST MENLO PARK

AZIMUTH: AIR 1672: 70°, 190°, 310°



SITE EXHIBIT PHOTO		LOCATION MAP	
		SCOPE OF WORK THIS PROJECT WILL INCLUDE THE INSTALLATION OF A NEW WIRELESS RADIO FACILITY AND ASSOCIATED EQUIPMENT TO AN EXISTING POLE. ALL POLE ATTACHMENTS TO BE APPROVED BY POLE OWNER. EQUIPMENT TO BE INSTALLED: - (3) ERICSSON - AIR 1672 B48 B77D - (1) RAYCAP - RTR-2500462-05-xxxx SHROUD - (1) PACIFIC TECHNICAL SOLUTIONS - PTS90524 - (1) TESCO - CAT. 703 60A SMART POLE METER - (1) GROUND MOLDING - (1) 2.0" POWER CONDUIT - (1) 2.0" POWER & FIBER CONDUIT - (1) 2.0" FIBER CONDUIT EXCAVATION/RESTORATION TO BE PERFORMED: - (2) GROUND WELLS - (1) 30" x 36" IMPROVED LEVEL SURFACE OF CONCRETE MAY BE REQUIRED PER PG&E GREENBOOK SEC. 5.4.4.	

PREPARED BY:

Kimley»Horn

767 N. EUSTIS ST. SUITE 100
SAINT PAUL, MN 55114
PHONE: (651) 645-4197
WWW.KIMLEY-HORN.COM
KH PROJECT #: KHCLE-69759



TITLE:

CROWN CASTLE
NODE ID:
CA_SF_MENLOPARK_177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	TITLE SHEET
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

T-1

CROWN CASTLE
GENERAL NOTES

NODE ID:
CA_SF_MENLOPARK_177M1

EROSION AND SEDIMENT CONTROL NOTES:

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF WEST MENLO PARK LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED PUBLIC IMPROVEMENTS CONSISTENT WITH THE EROSION CONTROL PLAN AND/OR WATER POLLUTION CONTROL PLAN (WPCP), IF APPLICABLE.
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- THE CONTRACTOR OF QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAIN SEASON.
- THE CONTRACTOR SHALL RESTORE ALL EROSION SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED IMPROVEMENT PLAN SHALL BE INCORPORATED HERON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR WILL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

NOTES:

- CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS.
- CONTRACTOR TO PLACE SANDBAGS AROUND ANY/ALL STORM DRAIN INLETS TO PREVENT CONTAMINATED WATER.
- SPOILS PILE WILL BE COVERED AND CONTAINED AND STREET WILL BE SWEEPED AND CLEANED AS NEEDED.
- CONTRACTOR REPAIR DAMAGED PUBLIC IMPROVEMENTS TO THE SATISFACTION OF THE CITY ENGINEER.
- CURB & GUTTER TO BE PROTECTED IN PLACE. SIDEWALK TO BE REPLACED TO THE SATISFACTION OF THE CITY ENGINEER.
- THE CONTRACTION SHALL RESTORE THE ROADWAY BACK TO ITS ORIGINAL CONDITION SATISFACTORY TO THE CITY ENGINEER INCLUDING, BUT NOT LIMITED TO PAVING, STRIPING, BIKE LANES, PAVEMENT LEGENDS, SIGNS, AND TRAFFIC LOOP DETECTORS.
- SIDEWALK SHALL BE RESTORED/REPLACED PER WEST MENLO PARK STANDARD DRAWINGS.
- PEDESTRIAN RAMP WILL NOT BE DISTURBED.
- SEPARATE PERMIT WILL BE REQUIRED FROM DEPARTMENT OF ENGINEERING FOR EXCAVATION AND TRAFFIC CONTROL.
- REPAIR OR REPLACE ANY DISTURBED OR DAMAGED LANDSCAPE IN PARKWAY AREAS DUE TO MAINTENANCE AND/OR POLE REPLACEMENT.
- PROTECT EXISTING TREES IN PLACE.
- IN THE EVENT OF A RECORDED RULE 20 INITIATIVE, CROWN CASTLE WILL TAKE PROMPT ACTION TO UNDERGROUND OUR EXISTING AERIAL CABLING AND RELOCATE OR REDESIGN EXISTING SMALL CELLS TO ALIGN WITH THE RULE 20 PLAN.

ROW GROUND CONSTRUCTION NOTES:

- GROUND CONSTRUCTION TO REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, FEDERAL, G095 AND G0128 STANDARDS AND REGULATIONS.
- CALL USA 48 HOURS PRIOR TO EXCAVATING AT (800) 277-2600 OR 811.
- ALL LANDSCAPING TO BE RESTORED TO ORIGINAL CONDITION OR BETTER.
- ALL EQUIPMENT TO BE BONDED.
- METERING CABINET REQUIRES 36" CLEARANCE AT DOOR OPENING.
- CAULK CABINET BASE AT PAD.

NORMAL LOCATION OF UNDERGROUND UTILITIES NOTES:

- LOCATION AND DEPTH OF EXISTING AND PROPOSED UTILITIES MUST BE PROVIDED BY THE SUBDIVIDER AND SHOWN ON ANY PLANS SUBMITTED TO WEST MENLO PARK DEPARTMENT OF ENGINEERING, FOR APPROVAL.
- CHANGES MAY BE PERMITTED BY THE WEST MENLO PARK DEPARTMENT OF ENGINEERING, IN CASES OF CONFLICTING FACILITIES.
- CONFLICTS BETWEEN UTILITY OF COMPANIES FACILITIES, EXISTING AND PROPOSED, MUST BE MUTUALLY RESOLVED BY THE UTILITY COMPANIES.
- FOR COMMERCIAL SIDEWALKS, THE FIRE HYDRANT SHALL BE PLACED WITHIN THE SIDEWALK 1'-6" BEHIND FACE OF CURB.
- MAXIMUM 2" DIAMETER GAS MAINS MAY BE PLACED IN JOINT UTILITIES TRENCH SUBJECT TO APPROVAL OF CITY ENGINEER (IN TRACTS).

CALIFORNIA STATE CODE COMPLIANCE:

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

- CALIFORNIA BUILDING CODE CBC-2025.
- CALIFORNIA ADMINISTRATIVE CODE. (INCL. TITLES 24 & 25) 2025.
- ANSI/TIA-222-4
- LIFE SAFETY CODE NFPA.
- BUILDING OFFICIALS AND CODE ADMINISTRATORS (BOCA)
- CALIFORNIA ELECTRICAL CODE CEC-2025
- CALIFORNIA MECHANICAL CODE CMC-2025
- CALIFORNIA PLUMBING CODE CPC-2025
- LOCAL BUILDING CODE(S)
- COUNTY AND/OR COUNTY ORDINANCES
- MUST COMPLY TO LATEST CALIFORNIA FIRE CODE (AND LATEST MUNICIPAL FIRE CODE)
- CALIFORNIA GENERAL ORDER 95 AND 128.

ACCESSIBILITY REQUIREMENTS:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS DO NOT APPLY IN ACCORDANCE WITH THE 2025 CALIFORNIA BUILDING CODE.

FCC NOTE:
THIS WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE LATEST BOARD OF PUBLIC WORKS OF THE WEST MENLO PARK ADOPTED EDITION AND SUPPLEMENTS TO THE "GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS MODIFIED BY THE CORRESPONDING ISSUE OF THE BROWN BOOK, THE LATEST EDITION OF THE BUREAU OF STREET LIGHTING "SPECIAL SPECIFICATIONS", AND THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING THE CONDITION OF ALL EXISTING EQUIPMENT TO BE REUSED, MODIFIED OR RETURNED TO THE BUREAU OF STREET LIGHTING YARD.

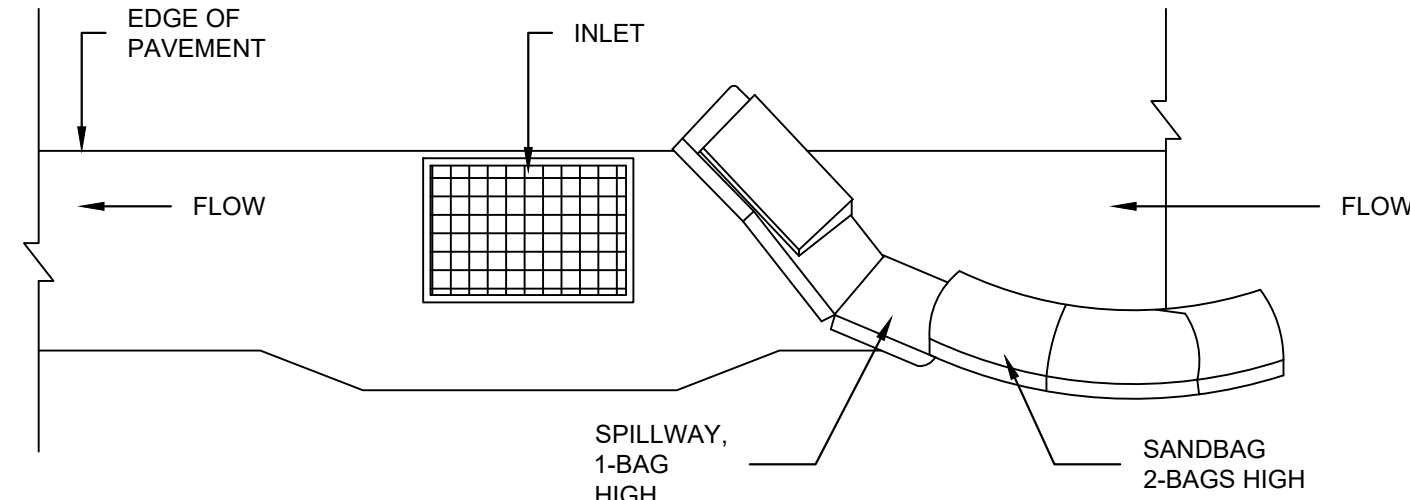
MULTIPLE CIRCUIT NOTES

- WIRE CONNECTORS - WIRE CONNECTORS SHALL BEAR THE UNDERWRITERS LABORATORY SEAL OF APPROVAL. THE INSTALLATION PROCEDURE, INCLUDING CONNECTOR SIZE AND CRIMPING TOOLS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS. GENERALLY, BULKY OR ODD SHAPE CONNECTORS, NARROW CONNECTORS WHICH MAY DAMAGE THE WIRE, OR TWIST-ON AND SPLIT-BOLT TYPE CONNECTORS WILL NOT BE ALLOWED. THE MECHANICAL PERFORMANCE OF THE CONNECTOR SHALL BE SUCH THAT NO FREE PLAY CAN BE OBSERVED AFTER THE CONNECTOR IS SUBJECTED TO A COMBINATION OF HAND-APPLIED TWISTS AND PULLS. A SOLID CROSS SECTION WILL ALSO BE REQUIRED WHEN THE CONNECTOR IS SUBJECT TO SAW CUTTING. ALL WIRE CONNECTORS SHALL HAVE A NOMINAL CROSS SECTION ARE EQUIVALENT TO THE AREA OF THE LARGEST CONDUCTOR CONNECTED

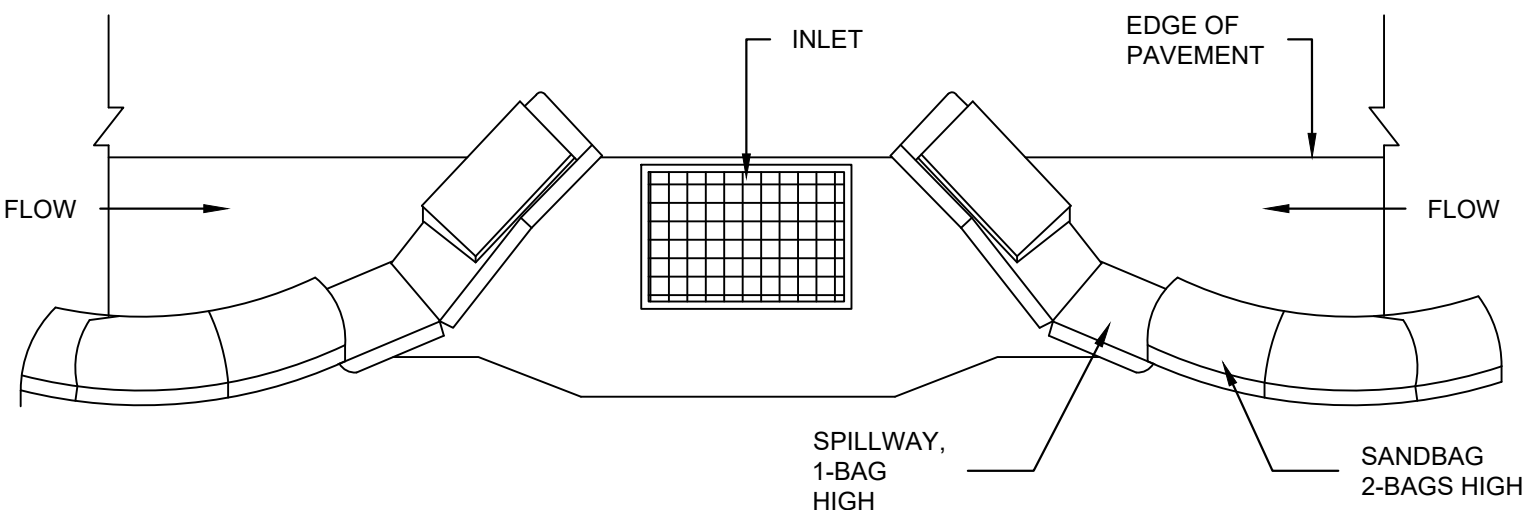
GENERAL REQUIREMENT - UNDERGROUND UTILITY AVOIDANCE

- GENERAL CONTRACTOR RESPONSIBLE TO FOLLOW ALL FEDERAL & STATE STATUTES AND REGULATIONS; INDUSTRY BEST PRACTICES; BUILDING AND FIRE CODES; GENERAL CONTRACTOR LICENSES; AND LOCAL LAWS, REGULATIONS & ORDINANCES. IN THE EVENT A CONFLICT EXISTS BETWEEN THESE REGULATIONS AND THIS DOCUMENT, THE REGULATIONS SHALL CONTROL THE GENERAL CONTRACTOR'S ACTIONS.
- AT THE MINIMUM, WHEN NOT IN CONFLICT WITH FEDERAL, STATE, AND LOCAL STATUTES, THE GENERAL CONTRACTOR SHALL FOLLOW THE COMMON GROUND ALLIANCE (CGA) BEST PRACTICES VERSION 17.0 MANUAL OR LATEST - THE DEFINITIVE GUIDE FOR UNDERGROUND SAFETY & DAMAGE PREVENTION RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL PREPARE AN EMERGENCY RESPONSE PLAN, INCLUDING APPROPRIATE CONTACT INFORMATION, ONE CALL TICKET DETAILS, AND IMMEDIATE CONTACTING DETAILS, IN EVENT OF UNDERGROUND UTILITY DAMAGE, IS AVAILABLE AT THE INSTALLATION SITE.
- GENERAL CONTRACTOR SHALL TAKE NECESSARY MEASURES TO ENSURE ALL ELECTRICAL STRIKE SYSTEMS ARE IN PLACE, IF APPLICABLE, AND HAS BRIEFED THE INSTALLATION CREW ON THE GENERAL CONTRACTORS ELECTRICAL AND GAS LINE STRIKE PROCEDURES EACH DAY PRIOR TO WORK COMMENCING.
- GENERAL CONTRACTOR SHALL WHITE LINE THE PROPOSED CONSTRUCTION ROUTE PRIOR TO CONTACTING THE UTILITY ONE-CALL SYSTEM.
- GENERAL CONTRACTOR SHALL IDENTIFY PRIOR TO WORK COMMENCEMENT, A COMPETENT PERSON ON THE WORK CREW WHO IS CAPABLE OF IDENTIFYING HAZARDS AND HAS THE AUTHORIZATION TO TAKE PROMPT CORRECTIVE MEASURES, INCLUDING STOP WORK AUTHORITY, TO ELIMINATE THEM, AND SHALL BE ON SITE AT ALL TIMES.
- GENERAL CONTRACTOR SHALL CONTACT THE ONE CALL FACILITY FOR EXISTING UTILITY LOCATES AS REQUIRED BY LAW AND PRESERVE ALL MARKS UNTIL THE PROJECT IS COMPLETED AND REFRESH THE ONE CALL IF REQUIRED BY STATE OR JURISDICTIONAL REQUIREMENTS.
- FOR PROJECTS WITH HIGH PRIORITY UTILITIES, OR ANY UNUSUAL OR COMPLEX CONSTRUCTION, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRE-EXCAVATION MEETING WITH THE AFFECTED UTILITIES AND/OR THEIR DESIGNATED LOCATING COMPANY TO DISCUSS THE PROJECT. HIGH PRIORITY UTILITIES SHALL INCLUDE, BUT NOT LIMITED TO, HIGH-PRESSURE GAS LINES, HIGH-VOLTAGE ELECTRIC LINES, MAJOR PIPELINES, MAJOR WATER LINES, AND HIGH-CAPACITY FIBER OPTIC LINES.
- THE GENERAL CONTRACTOR SHALL ENSURE ANY UTILITIES IDENTIFIED FOR LOCATING WHICH ARE NOT MARKED ON THE GROUND HAVE PROVIDED POSITIVE CONFIRMATION NO CONFLICT EXISTS. IF THERE IS A LACK OF POSITIVE CONFIRMATION, THE GENERAL CONTRACTOR MUST RE-CALL THE ONE-CALL CENTER OR RELEVANT UTILITY DIRECTLY FOR CONFIRMATION.
- IN THE EVENT A UTILITY CANNOT BE RELOCATED, WHERE POSITIVE CONFIRMATION IS NOT RECEIVED, OR WHERE THERE IS A LIKE LIKELIHOOD OF UNDOCUMENTED UTILITIES, SUCH AS PRIVATE INFRASTRUCTURE, THE GENERAL CONTRACTOR SHALL TAKE THE STEP OF SYSTEMATICALLY UTILIZING A GROUND PENETRATING RADAR (GPR) SYSTEM OR SIMILAR ADVANCED LOCATING TECHNOLOGY WITHIN THE TOLERANCE ZONE TO IDENTIFY AND DOCUMENT ANY UTILITIES WITHIN THE CONSTRUCTION ZONE. ANY UTILITY LOCATED USING GPR SHALL BE PROPERLY LOCATED AND EXPOSED AS OUTLINED WITHIN THIS STANDARD PRIOR TO DIGGING.
- THE GENERAL CONTRACTOR SHALL INSPECT THE AREA, PRIOR TO INSTALLATION FOR ANY UNDERGROUND UTILITY INFRASTRUCTURE WHICH MAY HAVE BEEN MISSED BY SURVEYING THE CONSTRUCTION AREA AND SURROUNDING ENVIRONMENT FOR CLEANOUTS, SUNKEN AREAS, RISERS, OUTBUILDINGS, LIGHT POLES, METERS, UTILITY BOXES, PEDESTALS, MANHOLE COVERS, MARKERS, ETC. PARTICULAR ATTENTION SHOULD BE MADE TO IDENTIFY SERVICE FEEDS FROM BUILDINGS AND HOMES ARE MARKED.
- THE GENERAL CONTRACTOR SHALL CONTACT ANY UTILITY WHERE LOCATES ARE IN QUESTION AND/OR UNVERIFIED. NO ASSUMPTIONS SHOULD BE MADE ON LOCATION OR DEPTH OF EXISTING UTILITIES.
- THE GENERAL CONTRACTOR AT MINIMUM SHALL TAKE AND STORE A PHOTO SERIES TO BE SUBMITTED WITH THE CLOSE OUT PACKAGE OF ALL EXCAVATION AREAS ONCE LOCATES ARE COMPLETE AND PRIOR TO EXCAVATION.
- GENERAL CONTRACTOR SHALL MEET ALL FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING WORKER SAFETY AND TRAINING WHEN WORKING AROUND UNDERGROUND FACILITIES.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES CROSSING THE TOLERANCE ZONE AND SHALL POSITIVELY IDENTIFY THEIR LOCATION AND DEPTH USING APPROPRIATE TECHNIQUES WITHIN THE TOLERANCE ZONE.
- GENERAL CONTRACTOR SHALL VISUALLY EXPOSE (POT-HOLE) ALL EXISTING UTILITIES RUNNING PARALLEL WITH THE PROPOSED PATH AT THE APPROPRIATE INTERVALS WITHIN THE TOLERANCE ZONE AND APPROPRIATE BUFFER ZONE, UNLESS MORE STRINGENT REGULATIONS EXIST. THE GENERAL CONTRACTOR SHALL EXPOSE (POT-HOLE) AT MINIMUM ANY PARALLEL UTILITY WITHIN 3' OF THE TOLERANCE ZONE EVERY 25', AND ANY PARALLEL UTILITY BETWEEN 3' TO 5' OF THE TOLERANCE ZONE EVERY 100'.
- THE TOLERANCE ZONE SHALL BE A MINIMUM OF 30' BEYOND EACH SIDE OF THE INSTALLED PIPE, OR GREATER IF CODE REQUIRES.
- GENERAL CONTRACTOR SHALL USE A DRILL HEAD TRACKING DEVICE WHEN BORING AND TRACK THE DRILL HEAD AT MINIMUM OF EVERY 5' OR AS REQUIRED BY CODE. A LOG SHALL BE CREATED RECORDING THE LOCATION AND DEPTH AND SUBMITTED WITH THE GENERAL CONTRACTOR AS-BUILT PACKAGE.
- GENERAL CONTRACTOR SHALL ENSURE THESE REQUIREMENTS ARE ENFORCED WITH ALL SUB-CONTRACTORS RETAINED BY THE GENERAL CONTRACTOR.

STORM DRAIN INLET PROTECTION



TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS

NOTES:

- INTENDED FOR SHORT-TERM USE.
- USE TO INHIBIT NON-STORM WATER FLOW.
- ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
- BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
- NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

LEGEND

SYMBOL DESCRIPTION

PROPOSED

- PROPOSED POWER VAULT
- PROPOSED FIBER VAULT
- GROUND WELL
- TRENCH AND FIBER CONDUIT
- TRENCH AND POWER CONDUIT

EXISTING

- EXISTING STREET LIGHT
- EXISTING UTILITY POLE
- EXISTING POWER VAULT
- EXISTING FIBER VAULT
- EXISTING TREE/BUSHES
- EXISTING ADA RAMP
- EXISTING STORM INLET

- WATER
- SANITARY SEWER
- GAS LINE
- FIBER CONDUIT
- POWER CONDUIT
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- OVERHEAD UTILITY LINE
- EDGE OF PAVEMENT
- FACE OF CURB
- BACK OF CURB
- SIDEWALK
- PUBLIC UTILITY EASEMENT LINE
- CALIFORNIA TRANSPORTATION ROW
- STORM DRAIN

ABBREVIATIONS

- BOC BACK OF CURB
- CALTRANS CALIFORNIA TRANSPORTATION
- CL CENTERLINE
- F FIBER
- FOC FACE OF CURB
- EOP EDGE OF PAVEMENT
- OHU OVERHEAD UTILITY
- P POWER
- PUE PUBLIC UTILITY EASEMENT
- ROW RIGHT-OF-WAY
- SW SIDEWALK
- TYP. TYPICAL

NODE INFORMATION

CROWN NODE ID: CA_SF_MENLOPARK_177M1
CROWN SCU #: 525235
CARRIER: VERIZON
CUSTOMER NODE ID #: 5000338919
POLE ID: N/A
POLE OWNER: PG&E
POWER PROVIDER: PG&E
HUB ID: 5000021333_SPRING ST HUB
LATITUDE: 37.438772°
LONGITUDE: -122.202019°
ADDRESS: 1828 VALPARAISO AVE
JURISDICTION: WEST MENLO PARK
AZIMUTH: AIR 1672: 70°, 190°, 310°



PREPARED BY:
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KH PROJECT #: KHCLE-69759



TITLE: CROWN CASTLE
NODE ID: CA_SF_MENLOPARK_177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	GENERAL NOTES
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

GN-1

CROWN CASTLE
SUBSURFACE UTILITY RATING IMPACT FORM

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

CROWN NODE ID: CA_SF_MENLOPARK_177M1
CROWN SCU #: 525235
CARRIER: VERIZON
CUSTOMER NODE ID #: 5000338919
POLE ID: N/A
POLE OWNER: PG&E
POWER PROVIDER: PG&E
HUB ID: 5000021333_SPRING ST HUB
LATITUDE: 37.438772°
LONGITUDE: -122.202019°
ADDRESS: 1828 VALPARAISO AVE
JURISDICTION: WEST MENLO PARK
AZIMUTH: AIR 1672: 70°, 190°, 310°



PREPARED BY:

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KH PROJECT #: KHCLE-69759



TITLE:
CROWN CASTLE
NODE ID:
CA_SF_MENLOPARK_177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
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0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	SUBSURFACE UTILITY RATING IMPACT FORM
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

GN-2

Subsurface Utility Rating Impact Form

Project Name: CA_SF_MENLOPARK_177M1 Date of Analysis: 03/24/2026
Project Location: 1828 Valparaiso Ave, Menlo Park, CA 94025 Analysis Done By: DIK

Project Scope: THE INSTALLATION OF A NEW WIRELESS RADIO FACILITY AND ASSOCIATED EQUIPMENT
TO AN EXISTING WOOD POLE.

ID	Complexity Factor		Low Complexity		Medium Complexity		High Complexity
1	Utility Density	☒	Dense	☐	Denser	☐	Densest
2	Utility Type	☐	Less-Critical	☐	Sub-Critical	☒	Critical
3	Utility Pattern - Parallel Utilities	☒	Simple	☐	Medium	☐	Complex
4	Utility Pattern - Perpendicular Utilities	☒	Simple	☐	Medium	☐	Complex
5	Utility Material	☐	Rigid	☒	Flexible	☐	Brittle
6	Utility Access	☐	Easy	☒	Medium	☐	Restricted
7	Utility Age	☐	New	☒	Medium	☐	Old
8	Utility Record Quality	☐	Good	☐	Fair	☒	Poor
9	Excavation Depth (inches)	☐	Low	☐	Medium	☒	High
10	Excavation Method	☐	Method A	☒	Method B	☐	Method C
Total			3		4		3

Impact Score 2

Contact	Phone	Email Address
ATT Distribution - California	(888) 290-3111	g00559@att.com
City of Menlo Park	(650) 330-6785	hatorres@menlopark.gov
Pacific Gas & Electric Belmont	(925) 440-7220	DelineationMapRequests@pge.com
Comcast	(323) 342-5552	cal_design@cable.comcast.com
California Water Services - Atherton	(650) 854-5454	mroberts@calwater.com
West Bay Sanitary District	(650) 321-0384	bscheidt@westbaysanitary.org
County of San Mateo - Storm drain	(650) 363-4103	kvelarde@smcgov.org
Atherton Fiber	(650) 464-3408	rudy@hexvarium.com

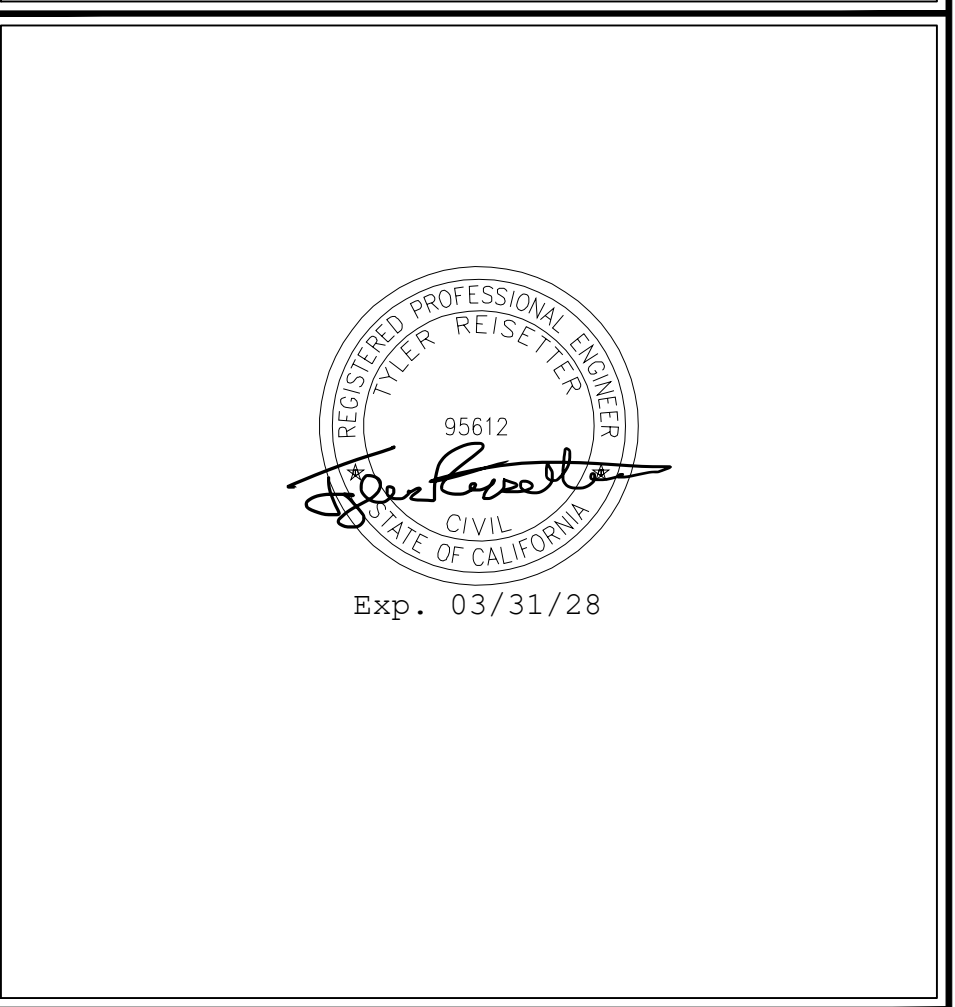
Nonresponsive	Phone	Email Address
ATT Distribution - California	(888) 290-3111	g00559@att.com
City of Menlo Park	(650) 330-6785	hatorres@menlopark.gov
California Water Services - Atherton	(650) 854-5454	mroberts@calwater.com
County of San Mateo - Storm drain	(650) 363-4103	kvelarde@smcgov.org
Atherton Fiber	(650) 464-3408	rudy@hexvarium.com

CROWN CASTLE SITE PLAN

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

CROWN NODE ID:	CA_SF_MENLOPARK_177M1
CROWN SCU #:	525235
CARRIER:	VERIZON
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ADDRESS:	1828 VALPARAISO AVE
JURISDICTION:	WEST MENLO PARK
AZIMUTH:	AIR 1672: 70°, 190°, 310°



PREPARED BY:

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KH PROJECT #: KHCLE-69759



TITLE: CROWN CASTLE
NODE ID:
CA_SF_MENLOPARK_177M1

REVISIONS

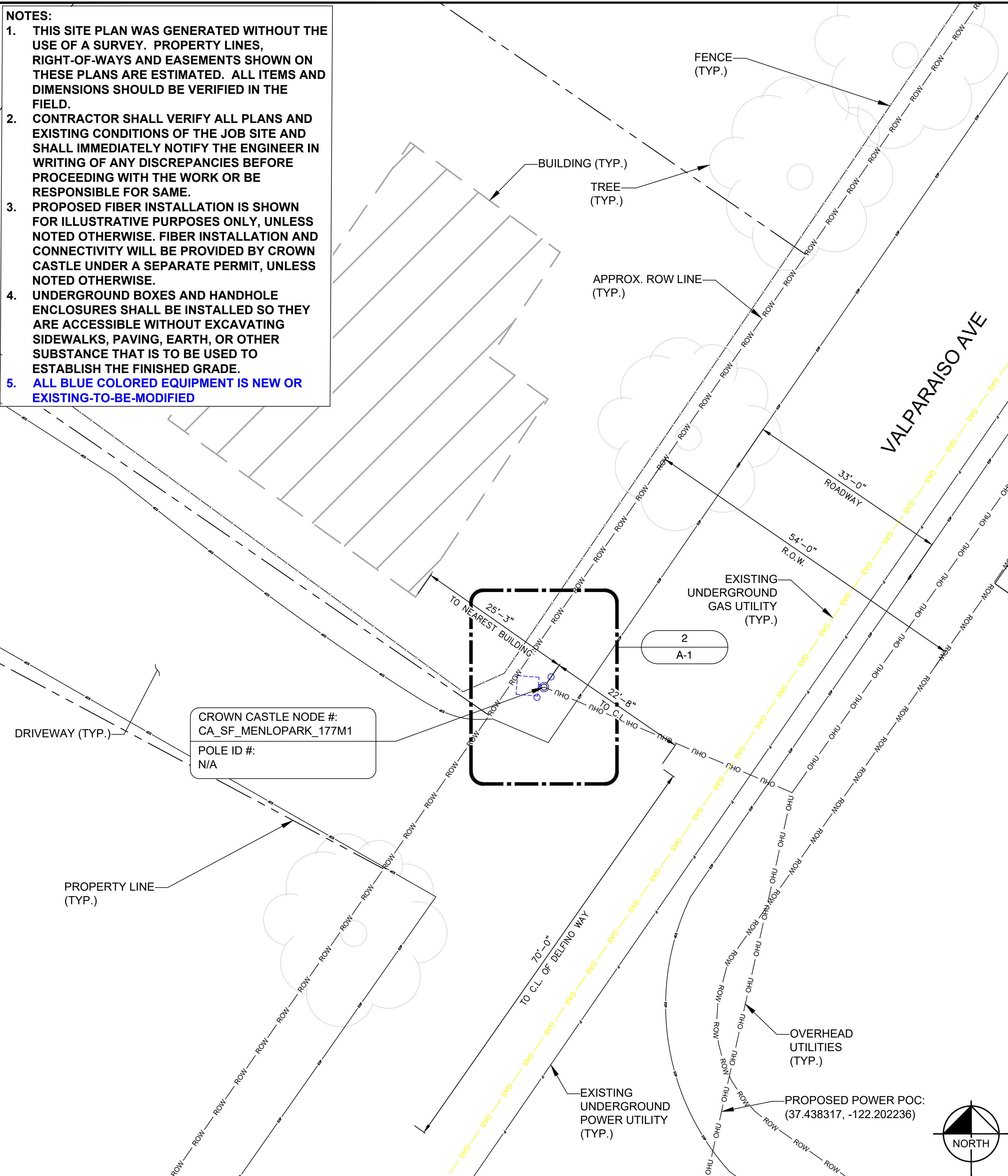
REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
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A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	SITE PLAN
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

A-1

- NOTES:**
- 1. THIS SITE PLAN WAS GENERATED WITHOUT THE USE OF A SURVEY. PROPERTY LINES, RIGHT-OF-WAYS AND EASEMENTS SHOWN ON THESE PLANS ARE ESTIMATED. ALL ITEMS AND DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.**
 - 2. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING CONDITIONS OF THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.**
 - 3. PROPOSED FIBER INSTALLATION IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY, UNLESS NOTED OTHERWISE. FIBER INSTALLATION AND CONNECTIVITY WILL BE PROVIDED BY CROWN CASTLE UNDER A SEPARATE PERMIT, UNLESS NOTED OTHERWISE.**
 - 4. UNDERGROUND BOXES AND HANDHOLE ENCLOSURES SHALL BE INSTALLED SO THEY ARE ACCESSIBLE WITHOUT EXCAVATING SIDEWALKS, PAVING, EARTH, OR OTHER SUBSTANCE THAT IS TO BE USED TO ESTABLISH THE FINISHED GRADE.**
 - 5. ALL BLUE COLORED EQUIPMENT IS NEW OR EXISTING-TO-BE-MODIFIED**

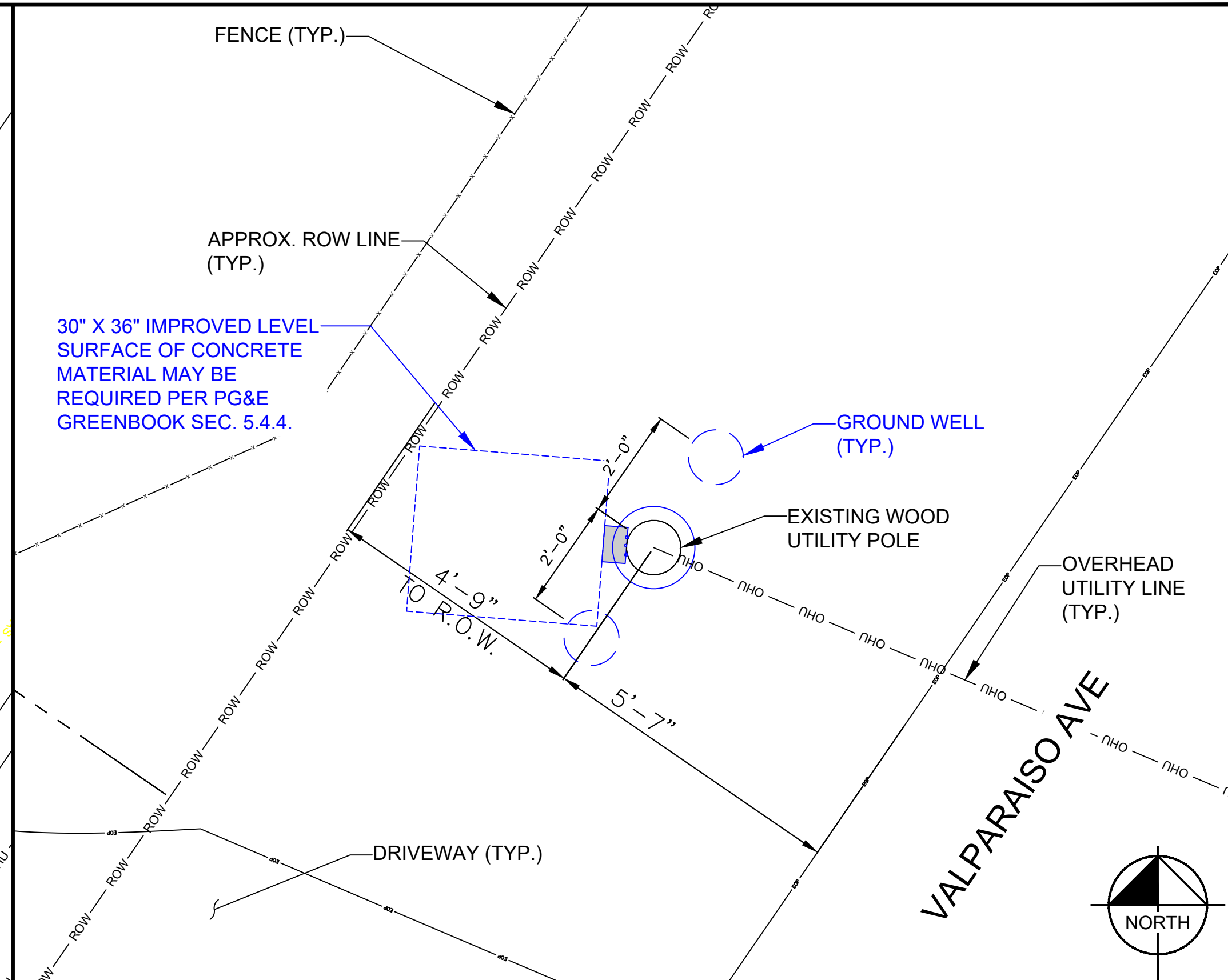


SITE PLAN

22"x34" SCALE: 1" = 10'-0"
11"x17" SCALE: 1" = 20'-0"

10' 5' 0' 10'

1



ENLARGED SITE PLAN

22"x34" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"



2

(NODE POLE)
UTILITY POLE ID#:
N/A

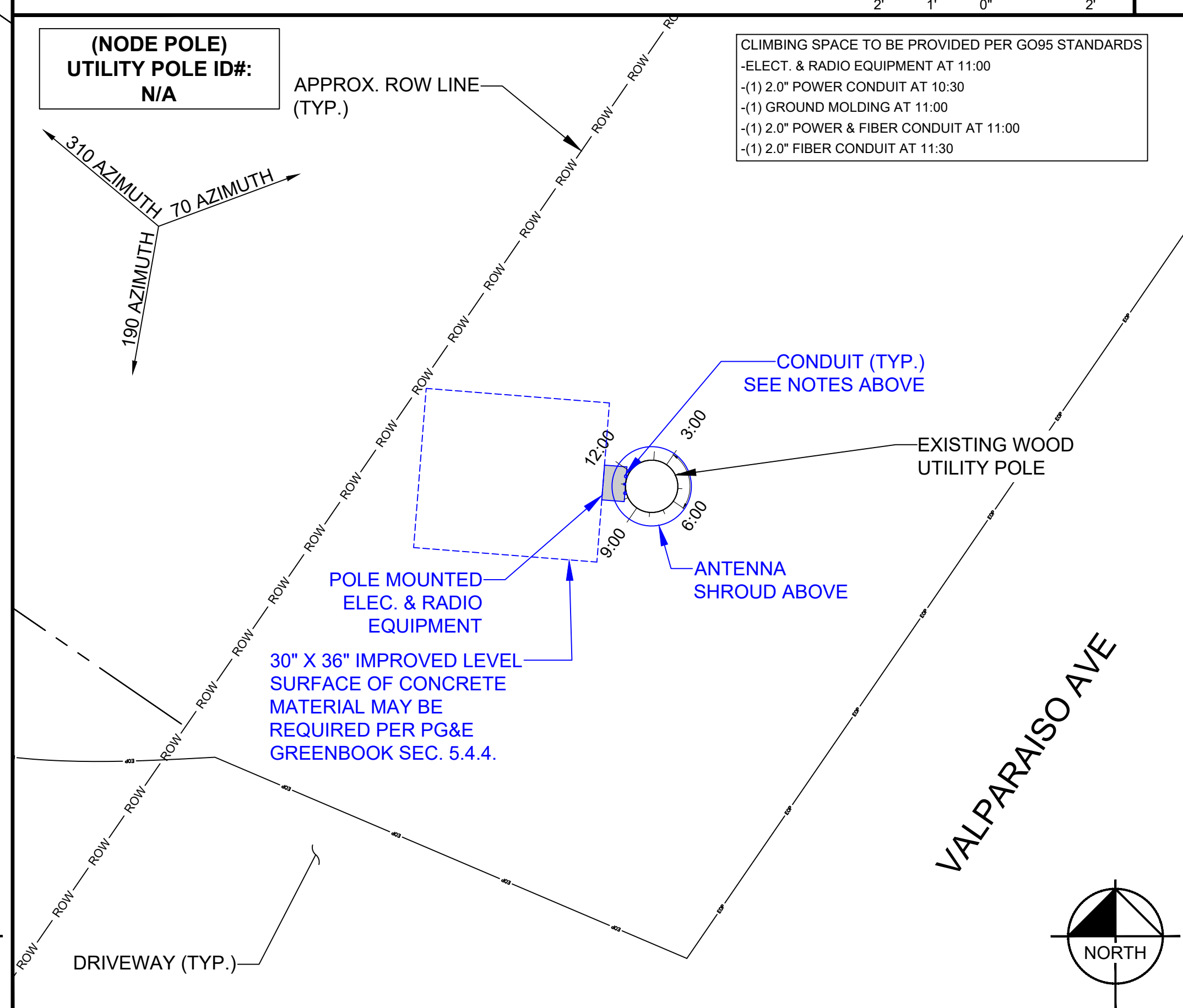
APPROX. ROW LINE
(TYP.)

CLIMBING SPACE TO BE PROVIDED PER G095 STANDARDS

- ELECT. & RADIO EQUIPMENT AT 11:00
- (1) 2.0" POWER CONDUIT AT 10:30
- (1) GROUND MOLDING AT 11:00
- (1) 2.0" POWER & FIBER CONDUIT AT 11:00
- (1) 2.0" FIBER CONDUIT AT 11:30

CLIMBING SPACE TO BE PROVIDED PER GO95 STANDARDS

- ELECT. & RADIO EQUIPMENT AT 11:00
- (1) 2.0" POWER CONDUIT AT 10:30
- (1) GROUND MOLDING AT 11:00
- (1) 2.0" POWER & FIBER CONDUIT AT 11:00
- (1) 2.0" FIBER CONDUIT AT 11:30



RISER DIAGRAM 22"x34" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0" **3**

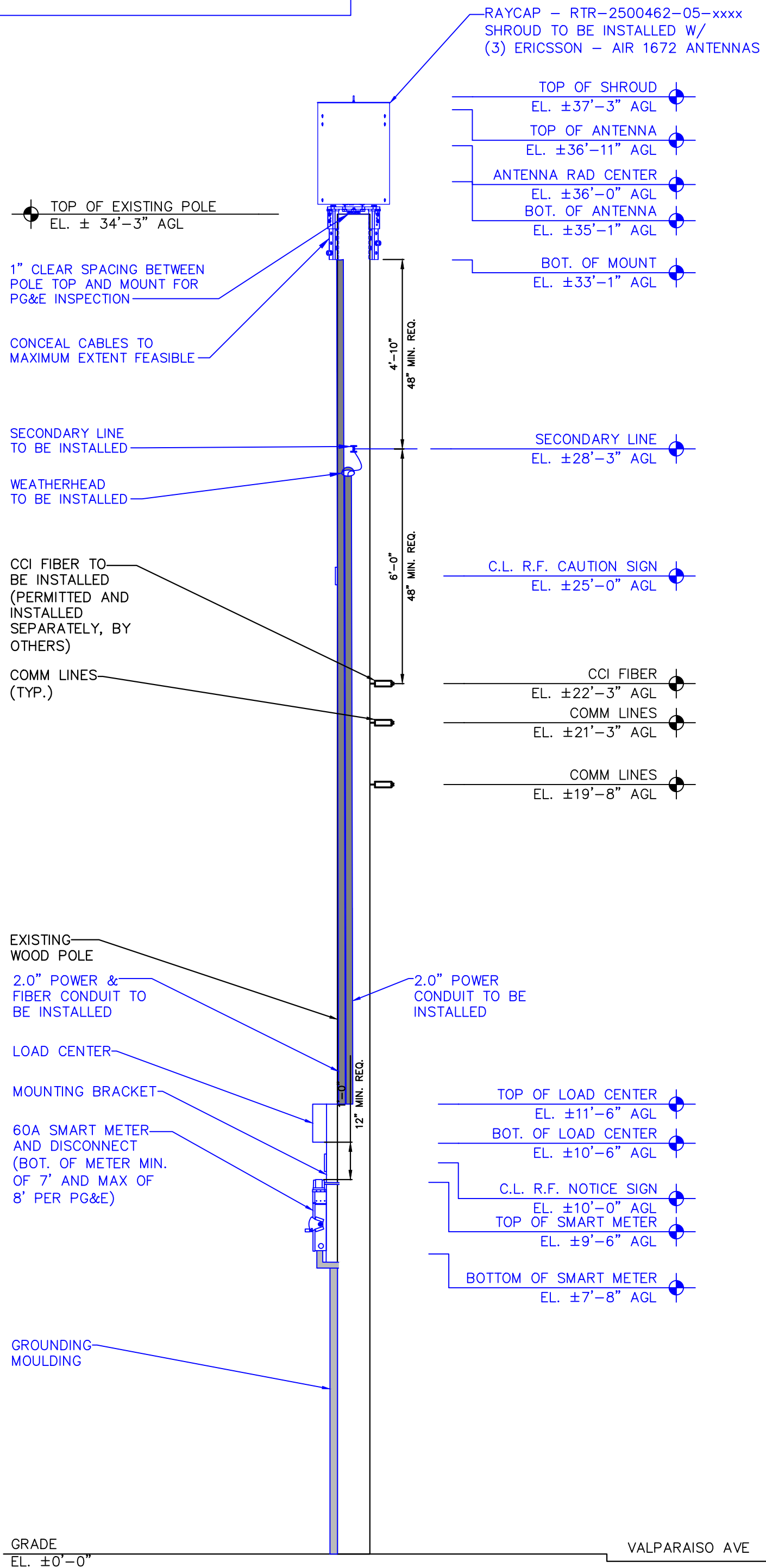
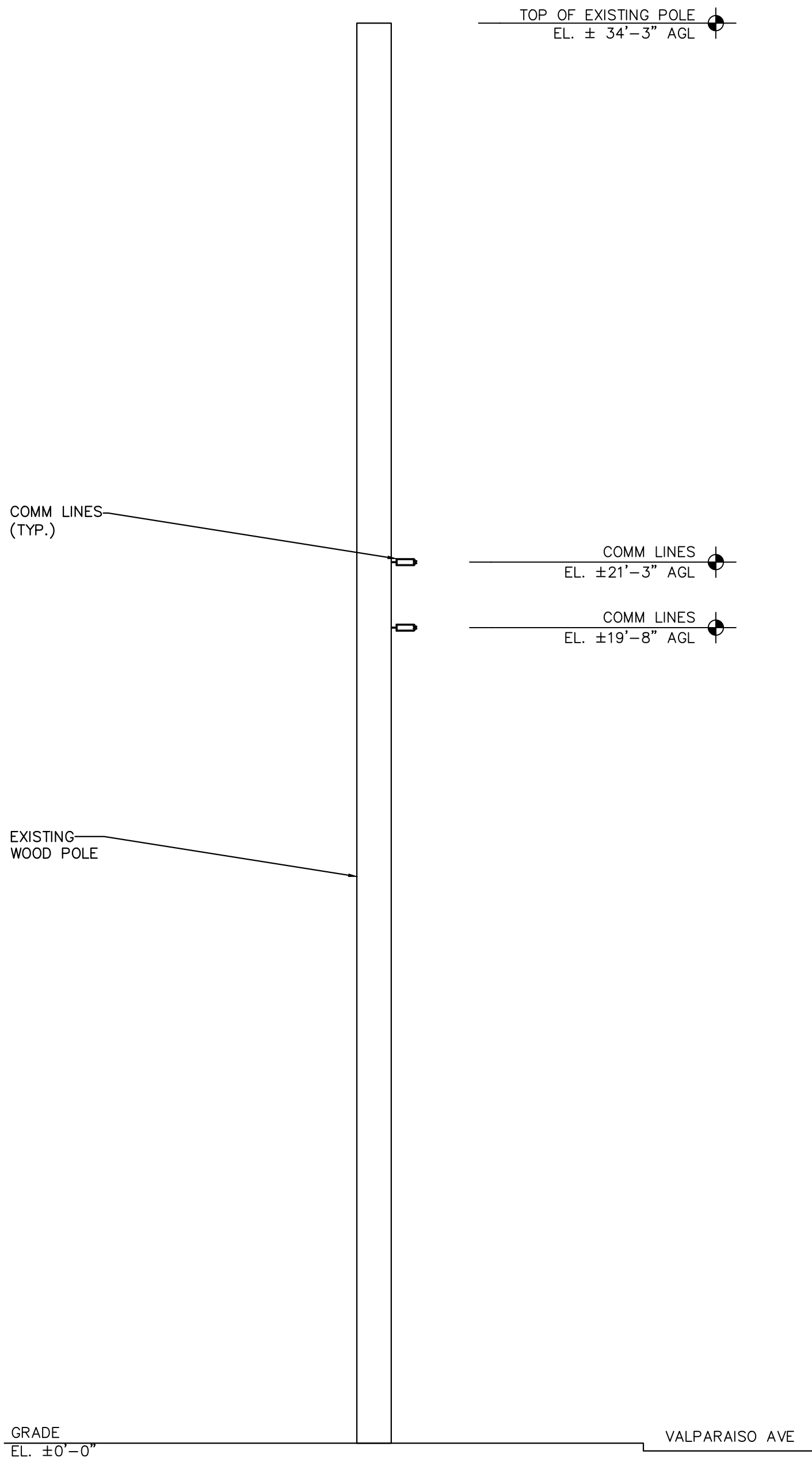
22"x34" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

CROWN CASTLE
ELEVATIONS

NODE ID:
CA_SF_MENLOPARK_177M1

	ASML (FEET)	AGL (FEET)
GROUND ELEVATION:	±102.0	±0.0
EXISTING STRUCTURE ELEVATION:	±136.25	±34.25
PROPOSED STRUCTURE ELEVATION:	±139.25	±37.25

- NOTES:
1. ALL BLUE COLORED EQUIPMENT IS NEW OR EXISTING-TO-BE-MODIFIED
 2. ALL AZIMUTHS SHOWN ON THIS PAGE ARE GENERIC - SEE PAGE A1.1 FOR SPECIFIC AZIMUTH DETAILS
 3. ALL NEW EQUIPMENT TO BE PAINTED / WRAPPED TO MATCH POLE COLOR



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KH PROJECT #: KHCLE-69759



TITLE:
CROWN CASTLE
NODE ID:
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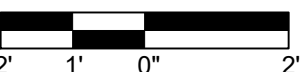
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DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	ELEVATIONS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

EXISTING SOUTHWEST ELEVATION

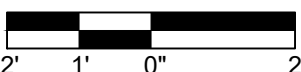
22"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



1

PROPOSED SOUTHWEST ELEVATION

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



2

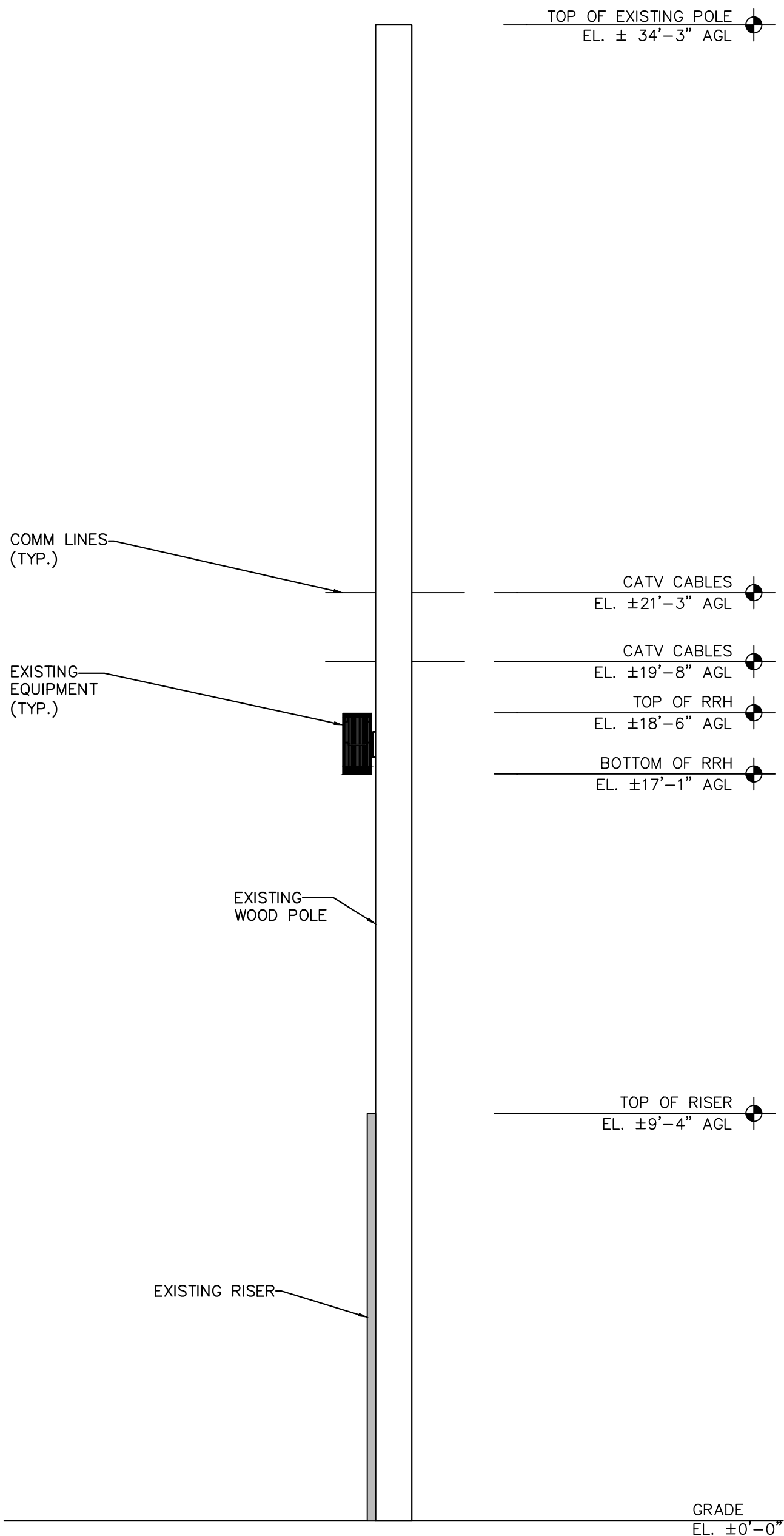
A-2

CROWN CASTLE
ELEVATIONS

NODE ID:
CA_SF_MENLOPARK_177M1

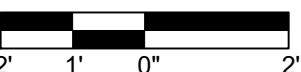
	ASML (FEET)	AGL (FEET)
GROUND ELEVATION:	±102.0	±0.0
EXISTING STRUCTURE ELEVATION:	±136.25	±34.25
PROPOSED STRUCTURE ELEVATION:	±139.25	±37.25

- NOTES:
1. ALL BLUE COLORED EQUIPMENT IS NEW OR EXISTING-TO-BE-MODIFIED
 2. ALL AZIMUTHS SHOWN ON THIS PAGE ARE GENERIC - SEE PAGE A1.1 FOR SPECIFIC AZIMUTH DETAILS
 3. ALL NEW EQUIPMENT TO BE PAINTED / WRAPPED TO MATCH POLE COLOR



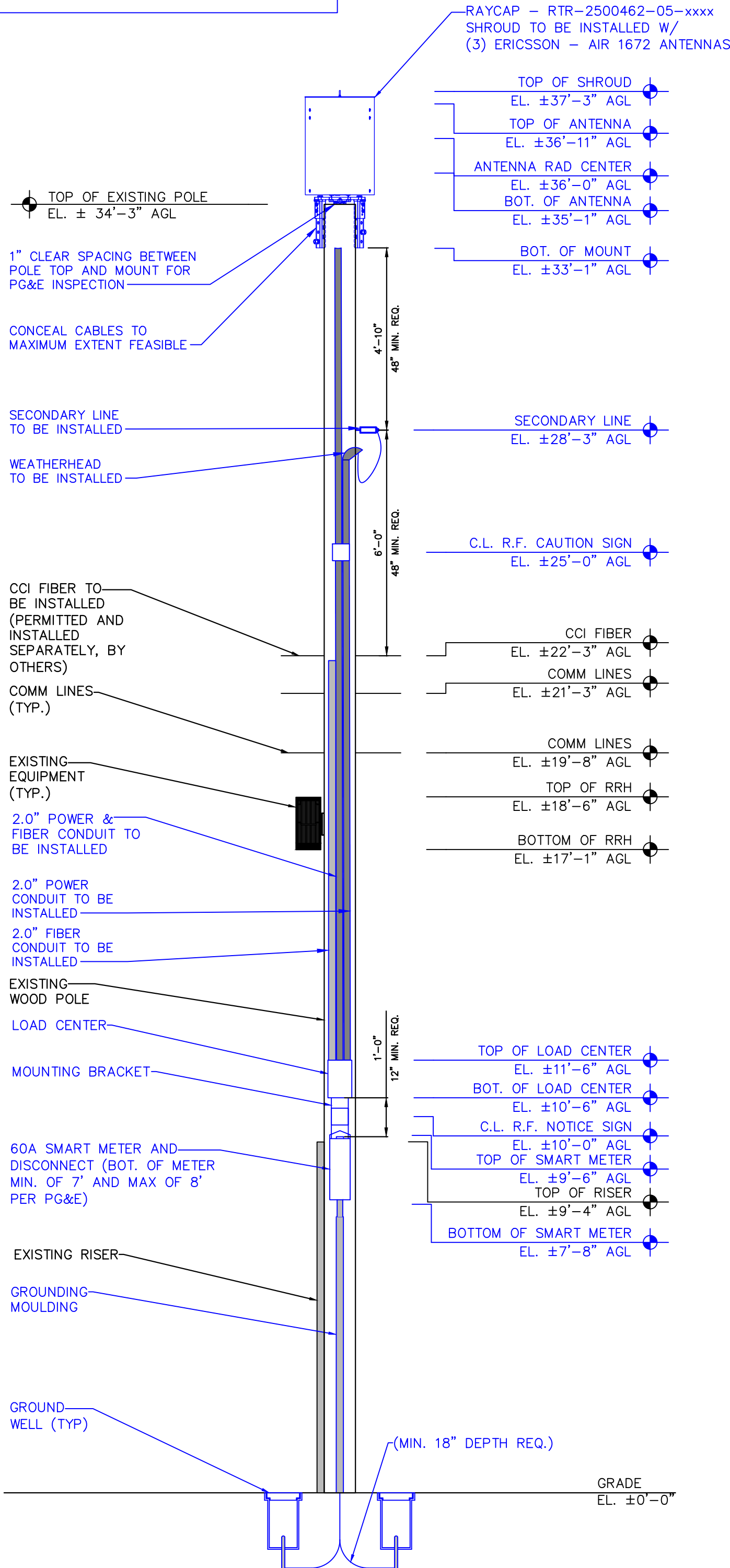
EXISTING NORTHWEST ELEVATION

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



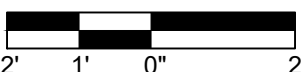
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PROPOSED NORTHWEST ELEVATION



SEE SITE PLAN FOR PROPOSED UNDERGROUND UTILITY LOCATIONS

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



2

NODE INFORMATION

CROWN NODE ID: **CA_SF_MENLOPARK_177M1**
CROWN SCU #: **525235**
CARRIER: **VERIZON**
CUSTOMER NODE ID #: **5000338919**
POLE ID: **N/A**
POLE OWNER: **PG&E**
POWER PROVIDER: **PG&E**
HUB ID: **5000021333_SPRING ST HUB**
LATITUDE: **37.438772°**
LONGITUDE: **-122.202019°**
ADDRESS: **1828 VALPARAISO AVE**
JURISDICTION: **WEST MENLO PARK**
AZIMUTH: **AIR 1672: 70°, 190°, 310°**



PREPARED BY:
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767 N. EUSTIS ST. SUITE 100
SAINT PAUL, MN 55114
PHONE: (651) 645-4197
WWW.KIMLEY-HORN.COM
KH PROJECT #: KHCLE-69759



TITLE:
CROWN CASTLE
NODE ID:
CA_SF_MENLOPARK_177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	ELEVATIONS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

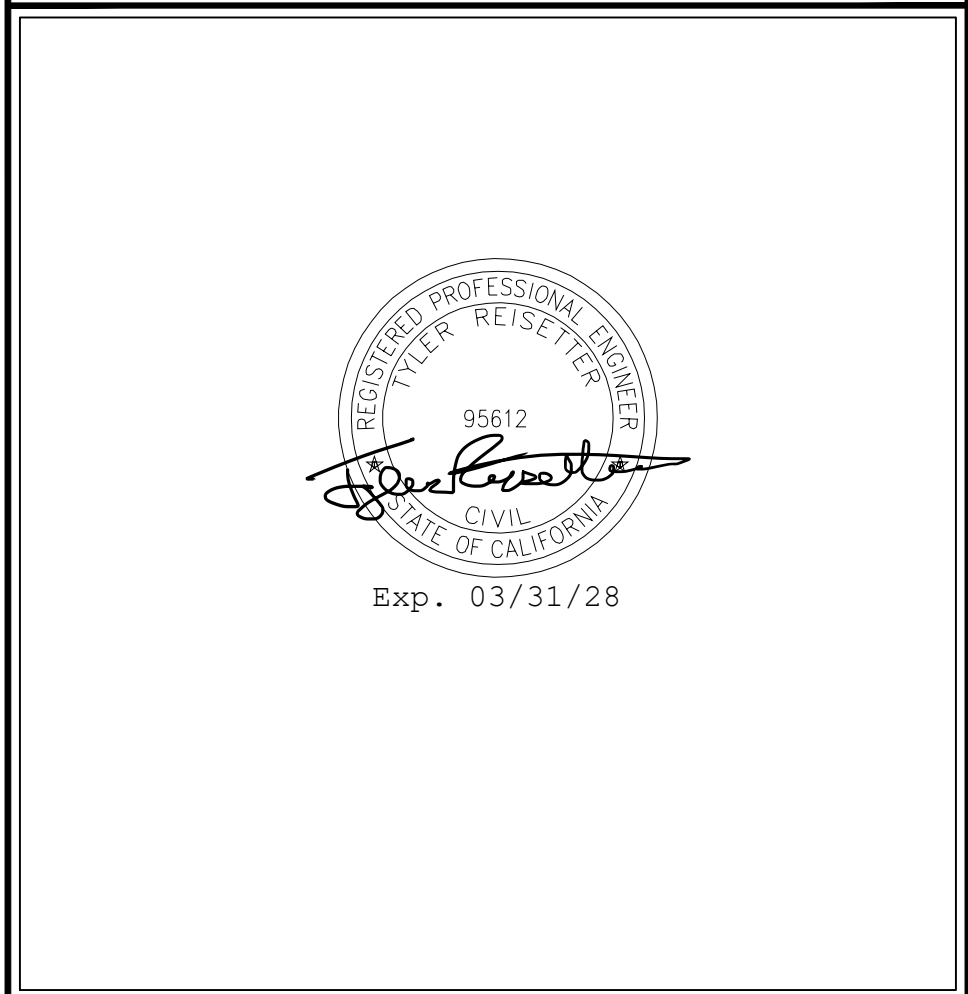
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CROWN CASTLE EQUIPMENT DETAILS	
-----------------------------------	--

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

CROWN NODE ID:	CA_SF_MENLOPARK_177M1
CROWN SCU #:	525235
CARRIER:	VERIZON
CUSTOMER NODE ID #:	5000338919
POLE ID:	N/A
POLE OWNER:	PG&E
POWER PROVIDER:	PG&E
HUB ID:	5000021333_SPRING ST HUB
LATITUDE:	37.438772°
LONGITUDE:	-122.202019°
ADDRESS:	1828 VALPARAISO AVE
JURISDICTION:	WEST MENLO PARK
AZIMUTH:	AIR 1672: 70°, 190°, 310°



PREPARED BY:

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TITLE:	CROWN CASTLE
	NODE ID:
	CA_SF_MENLOPARK_177M1

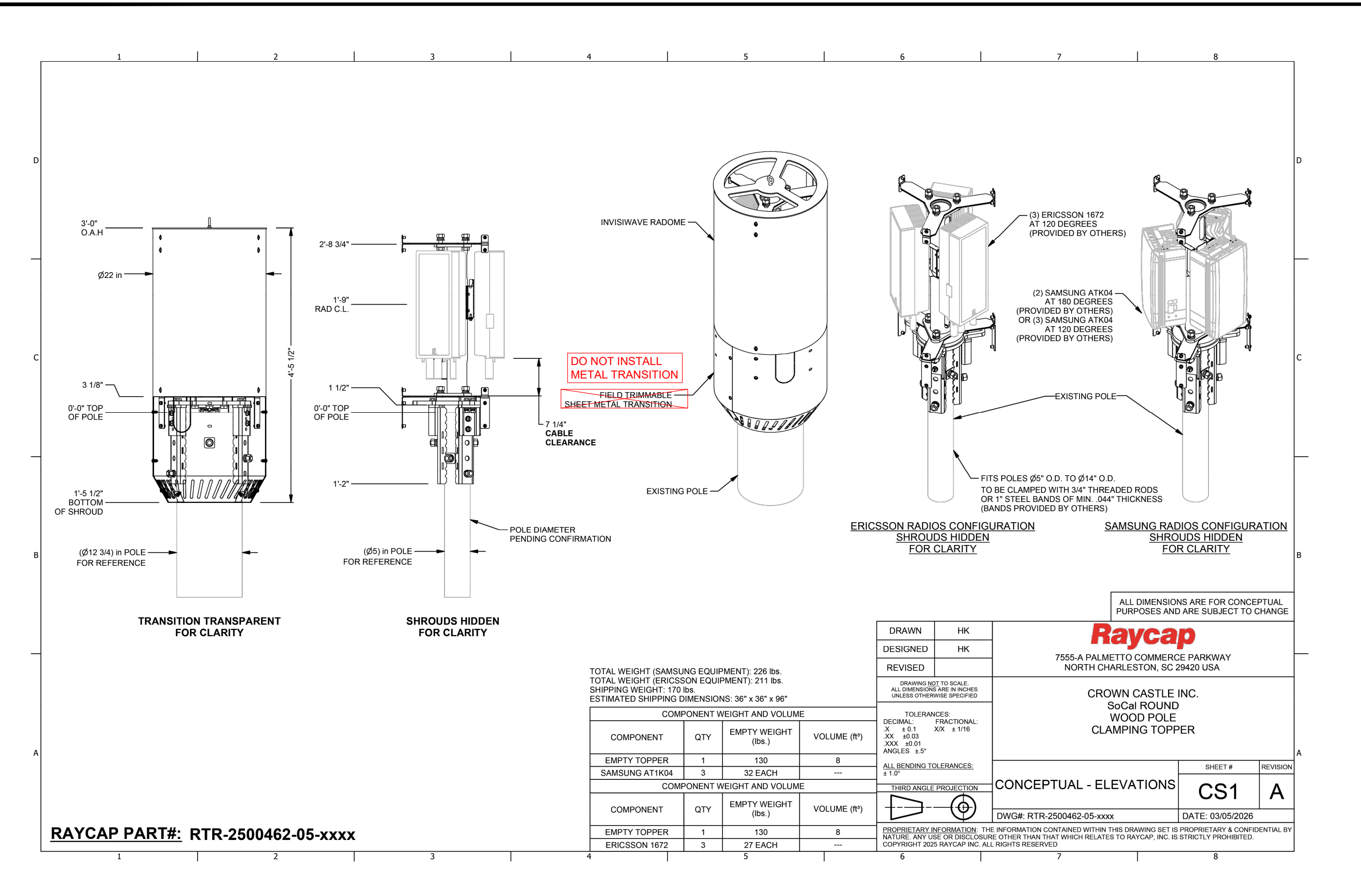
REVISIONS

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0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

D-1



POLE TOP SHROUD (RAYCAP - RTR-2500462-05-xxxx)

1

SCALE:
N.T.S.

NOT USED

2

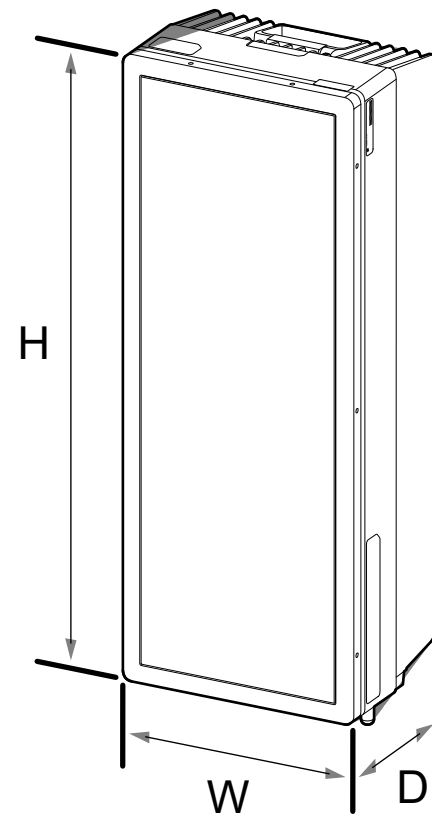
SCALE:
N.T.S.

ERICSSON

AIR 1672 ANTENNA
INTEGRATED RADIO UNIT

AIR 1672 ANTENNA
INTEGRATED RADIO UNIT

Radio: Ericsson AIR1672
Band Support: 3.5GHz (B48, C-Band N77/N78)
Carriers: VZW (CBRS/C-Band)
RF Power: 80W (EIRP)
Power consumption: 371W
Dimension: 21" x 7.95" x 5.91"
 Volume: .57 ft³
Weight: 26 lbs (w/o brackets)
Connector Type: NA
Acoustic Noise: 25dBA
Ext. PSU: No



DIMENSIONS, HXWXD: 21.0"X7.95"X5.91" (534mmX202mmX150mm) ANTENNA WEIGHT: 26.0 LBS (11.79 Kg) VOLUME: 0.57 CU. FT.

(534mmX202mmX150mm)

ANTENNA WEIGHT: 26.0 LBS
(11.79 Kg)

VOLUME: 0.57 CU. FT.

ANTENNA / RADIO SPEC (ERICSSON - AIR 1672)

3

SCALE:
N.T.S.

NOT USED

4

SCALE:
N.T.S.

CROWN CASTLE
EQUIPMENT DETAILS

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

CROWN NODE ID: CA_SF_MENLOPARK_177M1
CROWN SCU #: 525235
CARRIER: VERIZON
CUSTOMER NODE ID #: 5000338919
POLE ID: N/A
POLE OWNER: PG&E
POWER PROVIDER: PG&E
HUB ID: 5000021333_SPRING ST HUB
LATITUDE: 37.438772°
LONGITUDE: -122.202019°
ADDRESS: 1828 VALPARAISO AVE
JURISDICTION: WEST MENLO PARK
AZIMUTH: AIR 1672: 70°, 190°, 310°



PREPARED BY:

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KH PROJECT #: KHCLE-69759



TITLE: CROWN CASTLE
NODE ID: CA_SF_MENLOPARK_177M1

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DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

D-2

**CAUTION**
Keep Back ____ FT From
this Antenna. FCC RF Public
Exposure Limits May Be
Exceeded Within This Distance.
Call 888-632-0931 for Instructions.
Qualified Workers:
FCC Occupational Limits May Be
Exceeded Within This Distance.
Site ID #
Rev. A

**NOTICE**
POLE WORKERS
There is an antenna operation
high on this pole. Please follow
guidance on signs near the antenna or
call the number below.
Site ID #
 888-632-0931
Rev. A

**TRANSFORMER-RATED SMARTPOLE
METER DISCONNECT BOX** CAT. 703-120
CAT. 703-240

ISSUE SOLVED

With 5G deployment, communication providers are requiring larger new services on utility poles that need to be metered. TESCO's Cat. 703 Transformer-Rated SmartPole Meter Disconnect Box provides the mounting infrastructure to meter these services.

FUNCTIONALITY

TESCO's Transformer-Rated SmartPole Meter Disconnect Box has been created to mount communications provider equipment and node meters on a utility pole.

This meter assembly contains a 100:5 CT and is designed for smart meters and can be strapped to either a wood or metal pole. The smart meter (not included) can be secured to the box with a standard meter box seal.

This assembly is for use with meters rated up to 5A.

- Current up to 60A (fuses supplied by customer)
- Cat. 703-120 for 120V 2-Wire Single Phase Applications
- Cat. 703-240 for 240V 2-Wire Single Phase Applications

FEATURES

- Powder Coated G-90 Galvanized Steel
- Marine-Grade High Density Polyethylene (HDPE) Hold Down Strap
- 4-Pin Receptacle
- Tamper Resistant 1/4" Seal
- Ground/Bonding Lug
- NEMA 3R Enclosure
- Optional Pole Mounting Bracket (Cat. 703-PB)

RELATED PRODUCTS

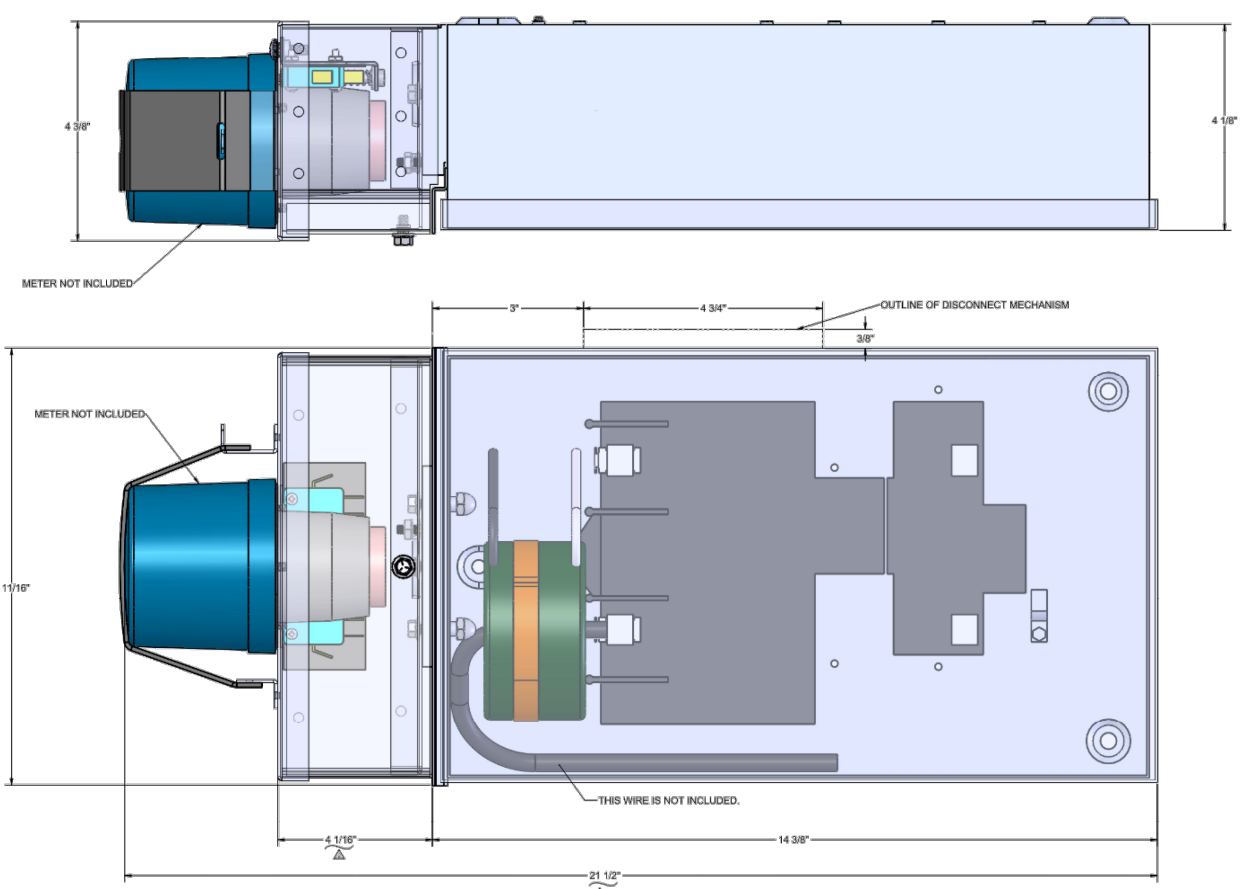
Cat. 701 & 702 SmartPole Meter Boxes: For lower amperage SmartPole metering installations where a CT isn't required.

Cat. 1184 Streetlight Adapter: Power up photocell meters to test communications, on/off control and meter accuracy.

Cat. 1184 Cat. 701 Cat. 702

MADE IN USA

TESCO • 925 Canal Street, Bristol, PA 19007 • ph: 215.228.0500 • www.tescometering.com • info@tescometering.com



RF CAUTION SIGN

1

SCALE:
N.T.S.

RF NOTICE SIGN

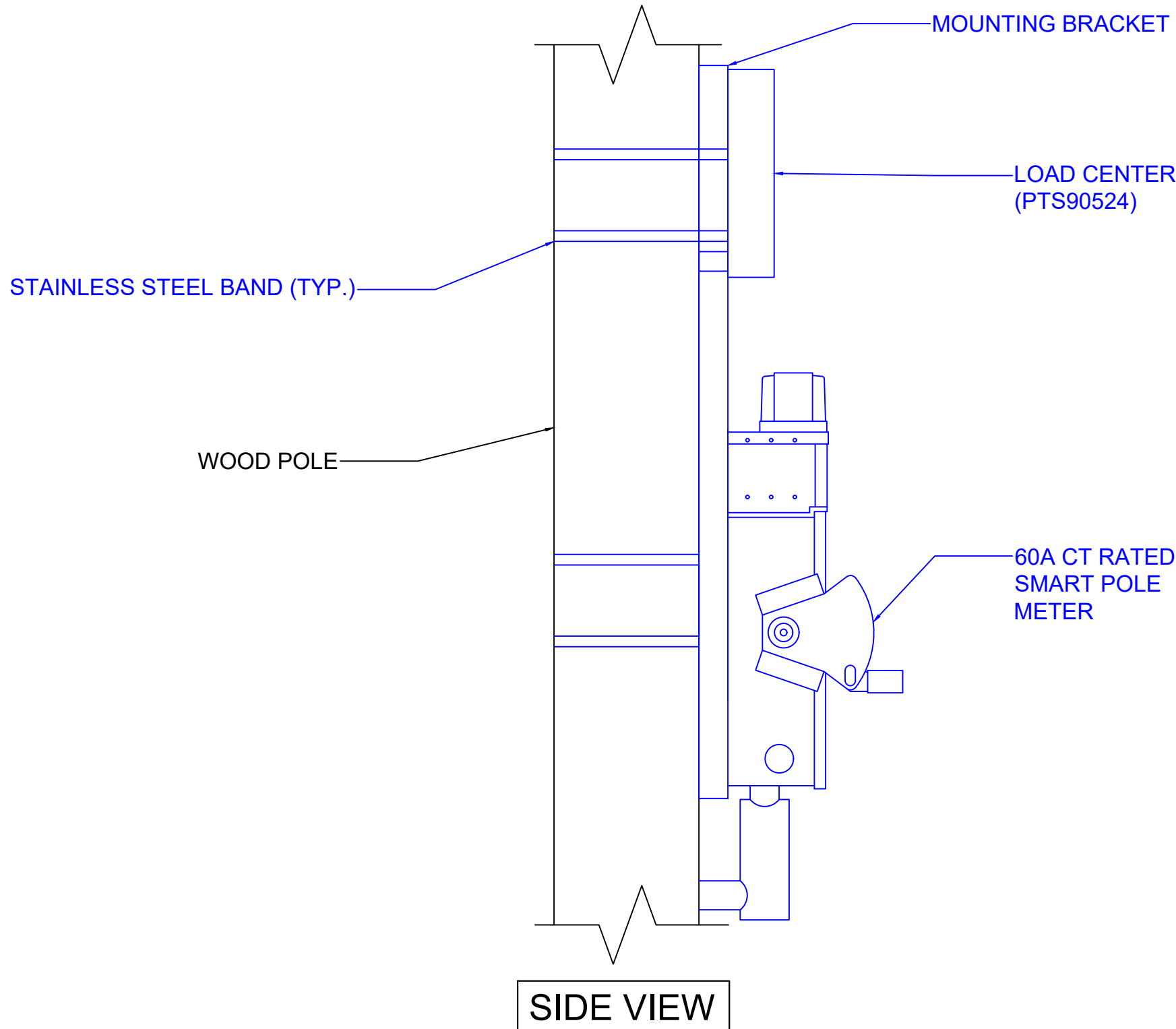
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SCALE:
N.T.S.

METER SPEC. (TESCO - CAT. 703-120 / CAT. 703-240 60A SMART METER)

3

SCALE:
N.T.S.



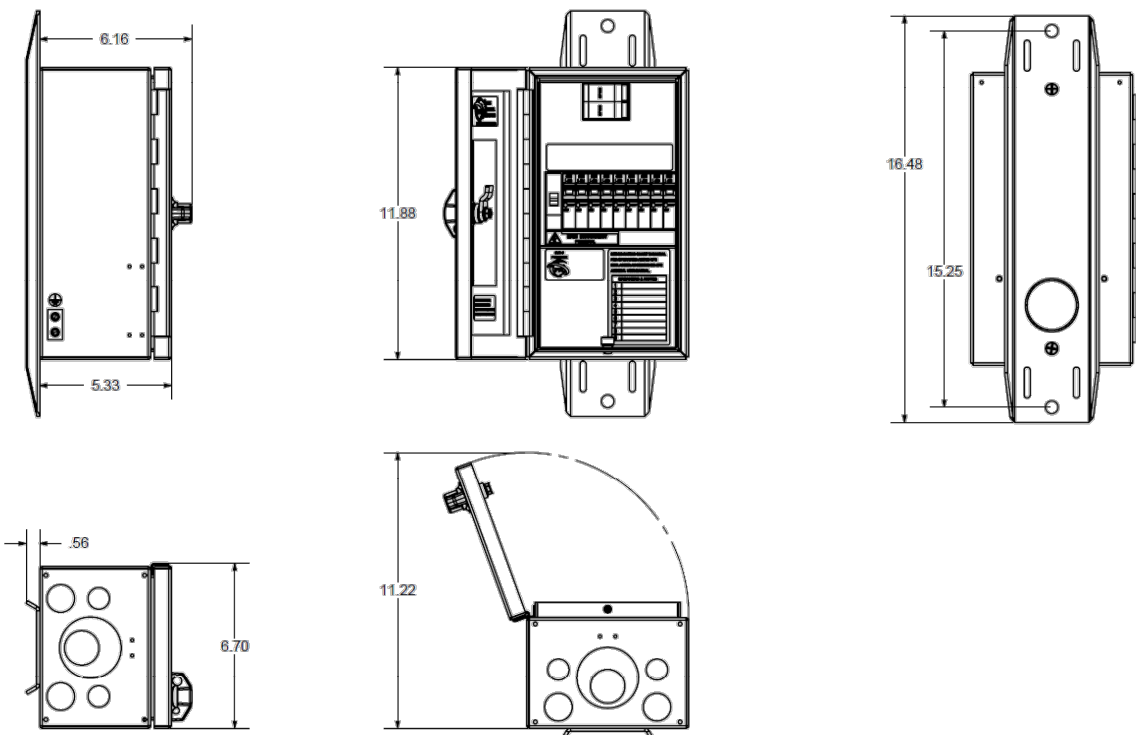
Electrical Specifications

Main Service	120 / 240 VAC 1Ø2W
Main Breaker Rating	10 - 70 AMP
Short Circuit Rating	10 kAIC Standard, 22 kAIC ≤ 60 AMP Optional
Main Input Wire Size	#14 - #4 AWG Cu - Al
Neutral & Ground Contacts	#14 - #4 AWG Cu - Al
SPD Type	L1 (+N Optional)
SPD Ratings	20 kA 8/20 µs Nominal, 50kA max - Type 2
Distribution Breaker Rating	120 / 240 VAC 1Ø2W
Distribution Breakers Ampacity	1 - 25 AMP / UL489
Distribution Breakers - Maximum Positions	9 Positions
Output Distribution Wire Size	#14 - #4 AWG Cu - Al
External Ground Connection	2-hole 1/4-20 w/ 5/8" Spacing
Certification	ETL Listed to UL67 Panel Boards

Mechanical Specifications

Housing Material	Powder Coated Aluminum
Breaker Access	Padlockable Wing Knob
Housing Dimensions (H x W x D)	11.88 x 6.70 x 5.33
Unit Weight / Shipping Weight	9 lbs / 11 lbs
Operating Temp	-40 °C to 60 °C
Humidity	95% Non-Condensing

PTS90524 Outline Drawings



EQUIPMENT MOUNTING DETAIL

4

SCALE:
N.T.S.

PACIFIC TECHNICAL SOLUTIONS LOAD CENTER - PTS90524

5

SCALE:
N.T.S.

CROWN CASTLE
EQUIPMENT DETAILS

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

CROWN NODE ID: CA_SF_MENLOPARK_177M1
CROWN SCU #: 525235
CARRIER: VERIZON
CUSTOMER NODE ID #: 5000338919
POLE ID: N/A
POLE OWNER: PG&E
POWER PROVIDER: PG&E
HUB ID: 5000021333_SPRING ST HUB
LATITUDE: 37.438772°
LONGITUDE: -122.202019°
ADDRESS: 1828 VALPARAISO AVE
JURISDICTION: WEST MENLO PARK
AZIMUTH: AIR 1672: 70°, 190°, 310°



PREPARED BY:

Kimley»Horn

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PHONE: (651) 645-4197
WWW.KIMLEY-HORN.COM
KH PROJECT #: KHCL-69759



TITLE: CROWN CASTLE
NODE ID: CA_SF_MENLOPARK_177M1

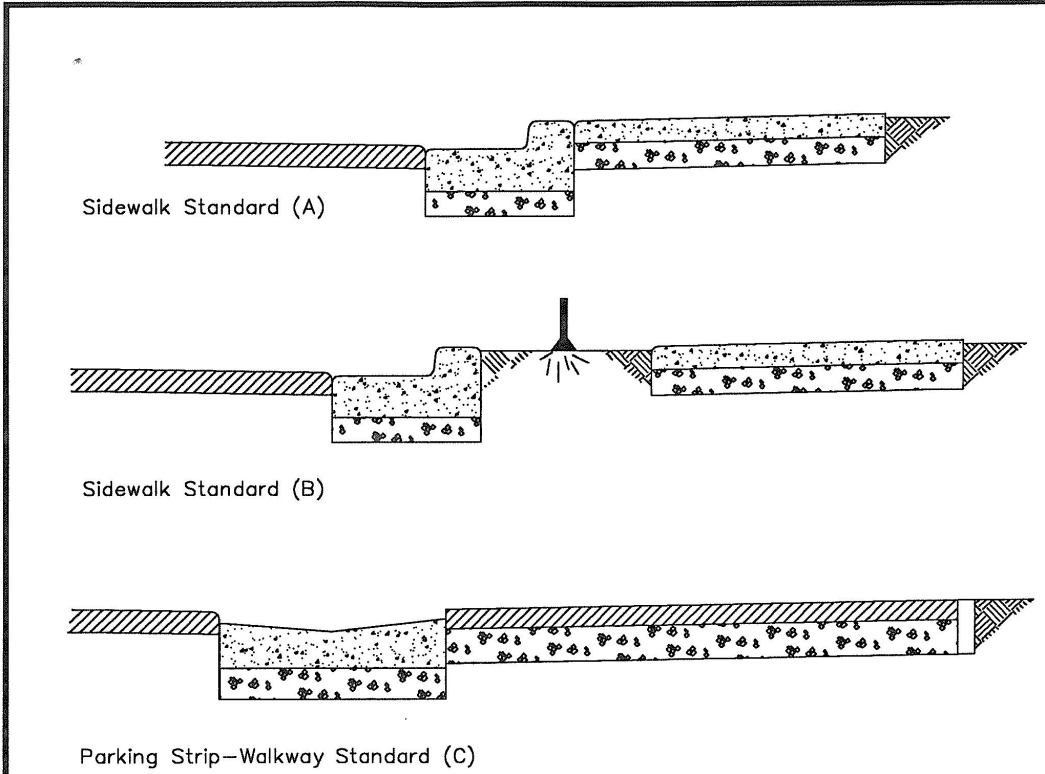
REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
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A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY: BAH	CHECKED BY: TDR	APPROVED BY: TDR
------------------	--------------------	---------------------

PROJECT NUMBER:	KHCL-69759
SHEET NAME:	EQUIPMENT DETAILS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

D-3

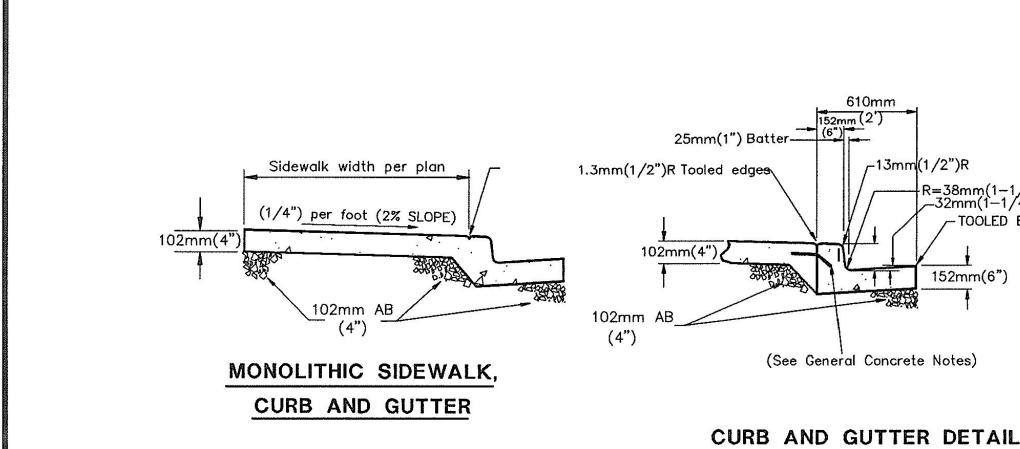


Notes:

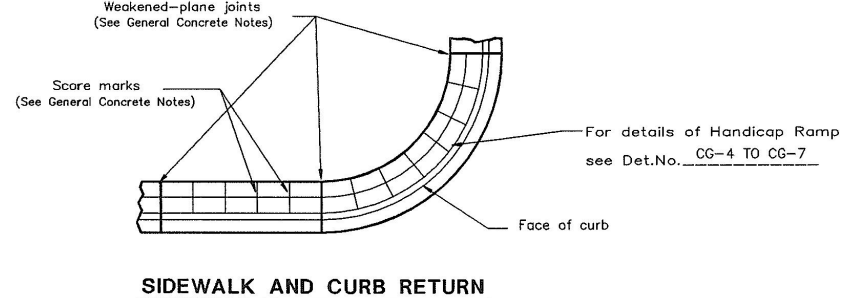
- The walkway standard in front of or contiguous to any particular property shall be that standard which most nearly matches the existing improvements in the neighborhood, unless a specific, different, plan line or standard has been adopted for that location.
- The minimum walkway width shall be 1.52m(5'). The minimum width of parking strip-walkway sections, shall be 2.13m(7'). The minimum walkway width in the Central Business District and in C-4 Districts, shall be 3.05m(10').
- The quality of materials and the detail dimensions shall conform to the adopted "Standard Details" and the Specifications of the City of Menlo Park.

All units are in metric.
Non-metric units in brackets

CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS DATE		APPROVED		WALKWAY STANDARDS					
DRAWN		CHECKED		DATE: 1-1-97		SCALE: NTS		SHEET 1 OF 1	
STD. DETAIL NO.: CG-1									

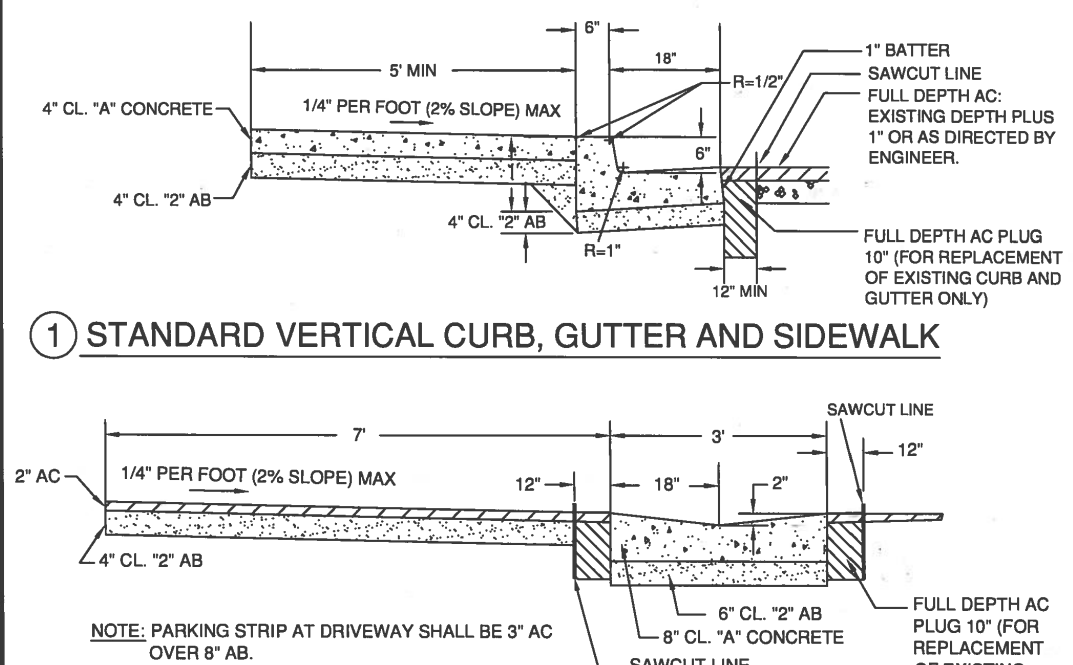


SIDEWALK, CURB & GUTTER WITH PLANTING STRIP

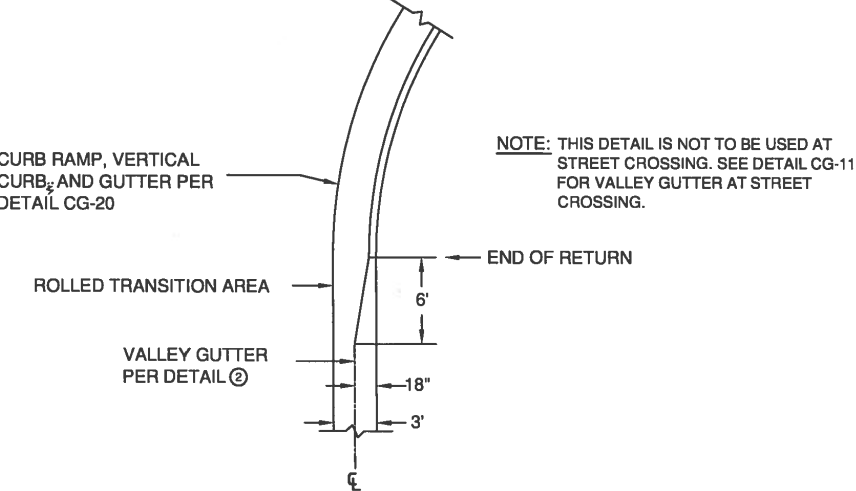


All units are in metric
Non metric units in brackets

CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS DATE		APPROVED		NEW CONCRETE CURB, GUTTER AND SIDEWALK ADJACENT TO EXIST. CONCRETE					
DRAWN		CHECKED		DATE: 1-1-97		SCALE: NTS		SHEET 1 OF 1	
STD. DETAIL NO.: CG-2									



2 THREE FOOT VALLEY GUTTER AND PARKING STRIP



3 CORNER TRANSITION - VERTICAL CURB TO VALLEY GUTTER

CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS DATE		APPROVED		CURB, GUTTER, AND SIDEWALK					
DRAWN		CHECKED		DATE: 9/15/13		SCALE: NTS		SHEET 10P1	
STD. DETAIL NO.: CG-3									

NOTES:

- ALL WORK SHALL COMPLY WITH 2010 CALTRANS STANDARD SPECIFICATION
- CONCRETE SHALL BE CLASS A (6 SACK) CONTAINING NOT LESS THAN 564 LBS OF PORTLAND CEMENT PER CU.YD. (1" MAXIMUM AGGREGATE SIZE AND A 28-DAY COMPRESSIVE STRENGTH OF 3500 PSI). AGGREGATE BASE (AB) SHALL BE CLASS 2, CALTRANS STANDARD.
- CONCRETE FOR CURBS, GUTTER, SIDEWALK, DRIVEWAY, AND OTHER SURFACE-LEVEL SLABS SHALL CONTAIN ONE LB. OF LAMPBLACK PER CU.YD. (AT BATCH PLANT).
- AB SHALL BE COMPACTED TO NOT LESS THAN 95% RELATIVE COMPACTION, AS TESTED BY CITY APPROVED LAB AT CONTRACTORS EXPENSE.
- WEAKENED-PLANE JOINTS (2" DEEP FOR SIDEWALKS, 3" DEEP FOR 6" THICK DRIVEWAYS), SHALL BE SPACED AT 10' NOMINAL INTERVALS, AND AT EACH SIDE OF DRIVEWAY, MID-POINTS OF DRIVEWAY WITH CURB CUTS EXCEEDING 20' AND AS DIRECTED BY THE DIRECTOR OF PUBLIC WORKS OR DESIGNEE.
- EXPOSED SURFACES OF SIDEWALK, DRIVEWAY, CURB AND GUTTER SHALL BE STEEL TROWELED FOLLOWED BY A MEDIUM BROOM FINISH. EXISTING DECORATIVE FINISHES SHALL BE MATCHED IN KIND.
- EXCEPT AS SHOWN, ALL EXPOSED EDGES, INCLUDING AT WEAKENED-PLANE JOINTS, SHALL BE TOOLED TO 1/2" RADIUS.
- SIDEWALK SHALL BE SCORE MARKED AT 30" NOMINAL INTERVALS EACH WAY OR TO MATCH EXISTING SCORE MARKS. MONOLITHIC CURB, SIDEWALK AND DRIVEWAY SHALL HAVE A CONTINUOUS SCORE MARK 6" FROM CURB FACE.
- ALL CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY MOIST FOR THREE DAYS AFTER PLACEMENT EITHER BY SPRINKLING, COVERING WITH A WATERPROOF MEMBRANE, OR APPLYING TYPE I CONCRETE CURING COMPOUND.
- EXTRUDED CURB AND GUTTER SHALL BE APPROVED BY THE PUBLIC WORKS INSPECTOR PRIOR TO CONSTRUCTION, AND PRIOR TO CONCRETE PLACEMENT.
- ALL GUTTER LIPS SHALL BE FORMED AND TOOLED. A 1/2" WIDE FULL DEPTH AC STREET STRUCTURAL SECTION SHALL BE PLACED ADJACENT TO THE GUTTER LIP. THE AC SECTION SHALL BE A MINIMUM OF 6" DEEP OR 1" THICKER THAN EXISTING AC, WHICHEVER IS GREATER.
- ALL NEW PCC IMPROVEMENTS SHALL BE DOWELED TO EXISTING AND ADJACENT PCC IMPROVEMENTS USING 12" LONG #3 OR #4 SMOOTH DOWELS AT 3' O.C.. DOWELS TO BE GREASED ("FOOD GRADE") OR PAPER SLEEVED ONE END AND CAPPED. TYPICAL AT ALL EXPANSION JOINTS.
- STREET TREE WELLS AND GRATES SHALL BE PROVIDED IN ACCORDANCE WITH CITY REQUIREMENTS PER LS-1. ALL SUBMITTALS SHALL BE APPROVED PRIOR TO PLACEMENT.
- ALL PCC IMPROVEMENTS TO BE REMOVED SHALL BE SAW CUT ALONG EXISTING SCORELINES. NO SECTION TO BE REPLACED SHALL BE SMALLER THAN 30" IN EITHER LENGTH OR WIDTH. IF THE SAW CUT IN SIDEWALK OR DRIVEWAY FALLS WITHIN 30" OF A CONSTRUCTION JOINT, EXPANSION JOINT, COLD JOINTS, OR EDGE, THE CONCRETE SHALL BE REMOVED TO THE JOINT OR EDGE. ALL SAW CUT RESIDUE SHALL BE DRY VACUUMED CONCURRENTLY WITH SAWING OPERATION.
- NEW OR APPROVED RECYCLED IMPORTED FULL DEPTH AB SHALL BE PLACED UNDER ALL NEW OR REPLACEMENT CURB, GUTTER, SIDEWALK AND DRIVEWAY.
- ALL FORM WORK AND REINFORCING MUST BE APPROVED BY THE PUBLIC WORKS INSPECTOR PRIOR TO CONCRETE PLACEMENT.

CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS DATE		APPROVED		GENERAL CONCRETE NOTES					
DRAWN		CHECKED		DATE: 10/31/13		SCALE: NTS		SHEET 1 OF 1	
STD. DETAIL NO.: CG-3									

WALKWAY STANDARDS

1

SCALE:
N.T.S.

CURB, GUTTER & SIDEWALK STANDARDS

2

SCALE:
N.T.S.

CURB, GUTTER & SIDEWALK STANDARDS

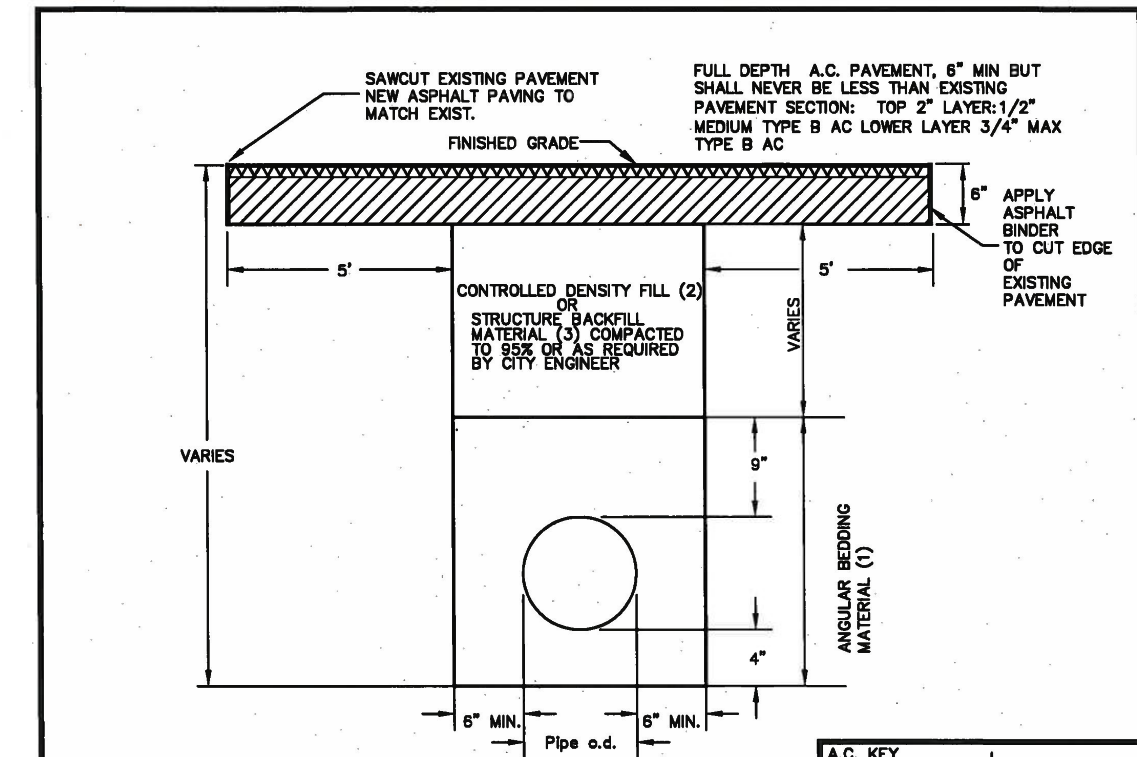
3

SCALE:
N.T.S.

GENERAL CONCRETE NOTES

4

SCALE:
N.T.S.



- NOTES:
- THE DESIGN MIX FOR ANGULAR BEDDING MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
SIEVE SIZE: 100
% PASSING SIEVE: 100
3/4" 80-100
3/8" 20-25
#4 0-10
#10 0-5
 - THE DESIGN FOR COF SHALL MEET THE FOLLOWING REQUIREMENTS:
CEMENT 50-100 LB/CU.YD
FLY ASH, CLASS F 10-2000 LB/CU.YD
FINE AGGREGATE 3000-3500 LB/CU.YD
WATER 325-580 LB/CU.YD
STRENGTH 28 DAY 50-100 PSI
 - STRUCTURE BACKFILL MATERIAL: MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY WEIGHT AS FOLLOWS:
SIEVE SIZE: 100
% PASSING SIEVE: 100
NO. 4 35-100
NO. 10 20-100
 - BACKFILL MATERIAL FOR LANDSCAPED AREAS: MATERIAL FROM EXCAVATION FREE FROM STONES OR LIMPS EXCEEDING 3". ORGANIC MATTER OR OTHER UNSATISFACTORY MATERIAL SHALL BE REMOVED. CONTRACTOR OR UTILITY OWNER TO PAY FOR ALL REQUIRED COMPACTION TESTS.
 - FOR ALL TRENCHING IN THE STREET RIGHT OF WAY, THE CONTRACTOR SHALL PLACE SLURRY SEAL TO CONFORM TO CITY STANDARD ST-16.
 - SAND: MATERIAL FREE FROM ORGANIC MATTER AND CLAY WITH A SIEVE GRADATION BY WEIGHT AS FOLLOWS:
SIEVE SIZE: 100
% PASSING SIEVE: 100
NO. 4 0-5
NO. 20 0-5
 - CUT EDGE OF EXISTING PAVEMENT SHALL NOT BE WITHIN THE WHEELTRACK. SEE ST-98 FOR WHEEL TRACK DIAGRAM.

CITY OF MENLO PARK STANDARD DETAILS									
NO. REVISIONS DATE		APPROVED		UTILITY TRENCH					
DRAWN		CHECKED		DATE: 5/21/12		SCALE: NTS		SHEET 1 OF 1	
STD. DETAIL NO.: ST-9A									

UTILITY TRENCH STANDARDS

5

SCALE:
N.T.S.

INVENTORY TABLE

6

SCALE:
N.T.S.

NOT USED

7

SCALE:
N.T.S.

NOT USED

8

SCALE:
N.T.S.

CROWN CASTLE
EXISTING PHOTOS

NODE ID:
CA_SF_MENLOPARK_177M1

NODE INFORMATION

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CROWN SCU #: 525235
CARRIER: VERIZON
CUSTOMER NODE ID #: 5000338919
POLE ID: N/A
POLE OWNER: PG&E
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LATITUDE: 37.438772°
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WWW.KIMLEY-HORN.COM
KH PROJECT #: KHCLE-69759



TITLE:
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NODE ID:
CA_SF_MENLOPARK_177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	EXISTING PHOTOS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN



EXISTING PHOTO

1 EXISTING PHOTO

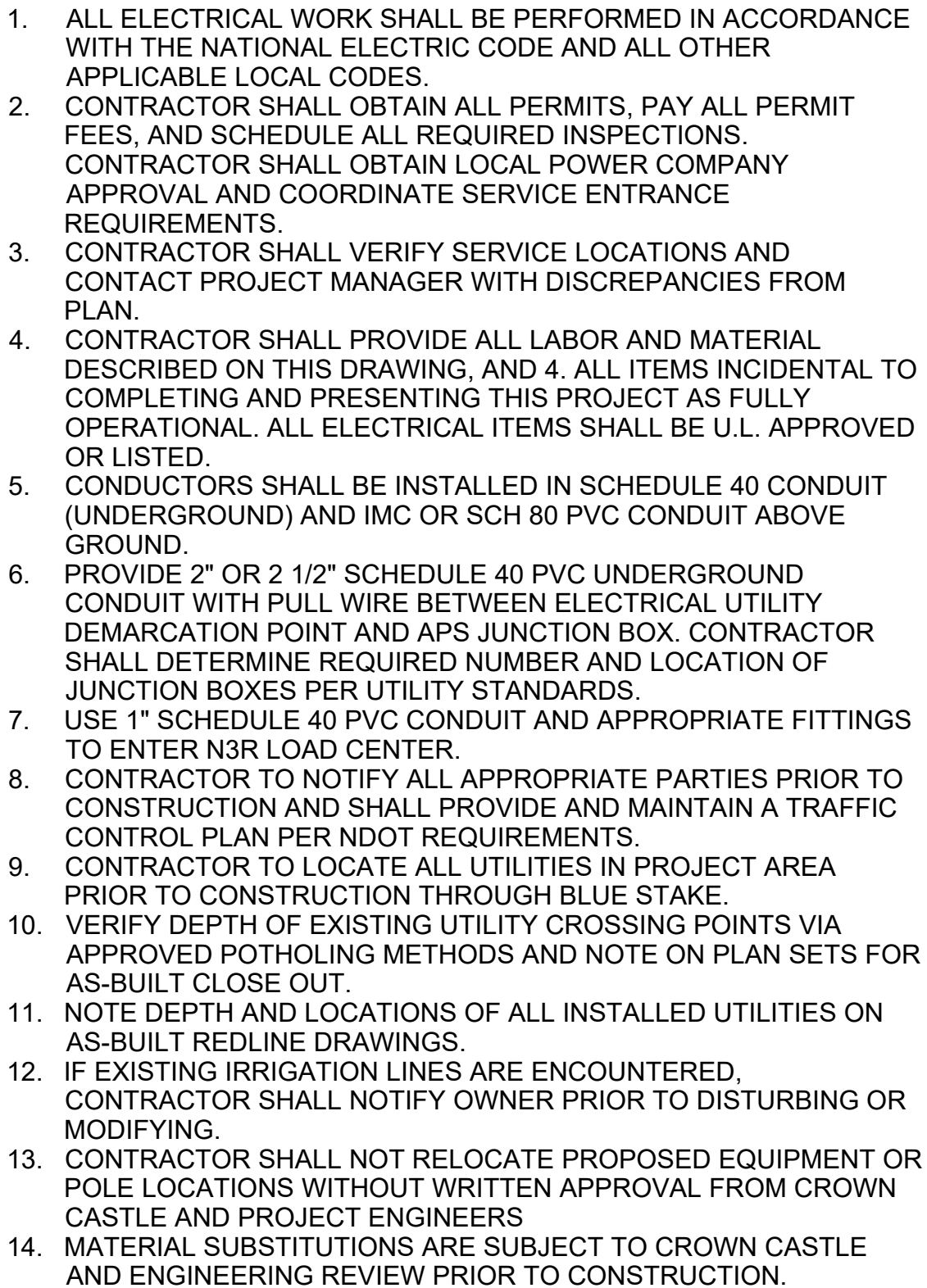
2

CROWN CASTLE ELECTRICAL DETAILS	
------------------------------------	--

NODE ID: CA_SF_MENLOPARK_177M1

NODE INFORMATION

AVAILABLE FAULT CURRENT AT NEW EQUIPMENT: 926 A
AVAILABLE FAULT CURRENT AT SOURCE: 10 kA
VOLTAGE CALC DROP: 1.09%



-
- REGISTERED PROFESSIONAL ENGINEER
DUSTIN JAMES COLWELL
No. E 22100
Exp. 09/30/27
ELECTRICAL
STATE OF CALIFORNIA
- Dustin Colwell*

PANEL SCHEDULE

SCALE:
N.T.S.

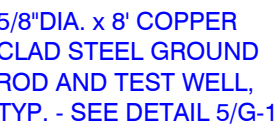
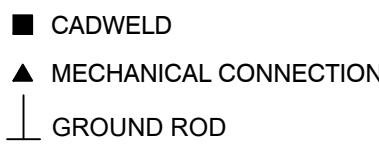
ONE LINE DIAGRAM

SCALE:
N.T.S.

ELECTRICAL NOTES

SCALE:
N.T.S.

- CADWELD
 ▲ MECHANICAL CONNECTION
 ● GROUND ROD



GROUNDING SPECIFICATIONS

SCALE:
N.T.S.

GROUNDING SCHEMATIC DETAIL

SCALE:
N.T.S.

GROUNDING SCHEMATIC DETAIL

SCALE:
N.T.S.

Kimley»Horn

**767 N. EUSTIS ST. SUITE 100
SAINT PAUL, MN 55114
PHONE: (651) 645-4197
WWW.KIMLEY-HORN.COM
KH PROJECT #: KHCLE-69759**



NODE ID:
CA SF MENLOPARK 177M1

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/28/2026	ISSUED FOR CONSTRUCTION	BAH
0	04/24/2026	ISSUED FOR CONSTRUCTION	NMA
A	02/11/2026	ISSUED FOR REVIEW	DMW

DRAWN BY:	CHECKED BY:	APPROVED BY:
BAH	TDR	TDR

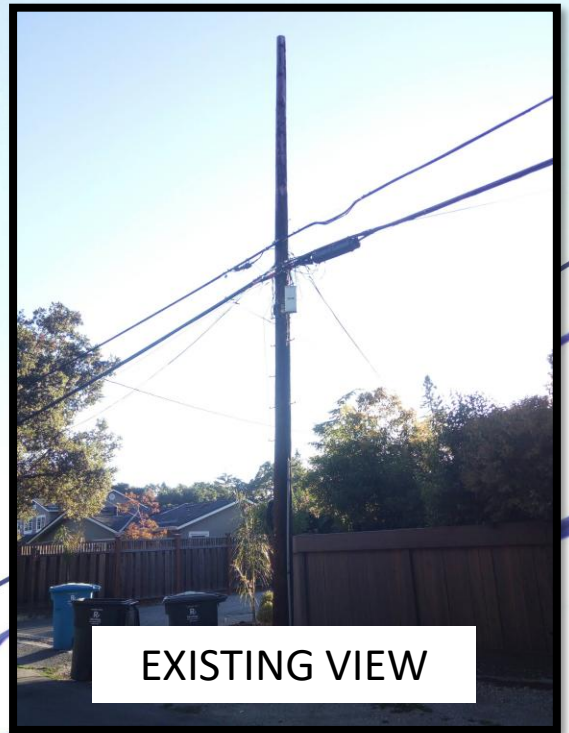
PROJECT NUMBER:	KHCLE-69759
SHEET NAME:	ELECTRICAL DETAILS
DATE DRAWN:	05/28/2026
SCALE:	AS SHOWN

E-1

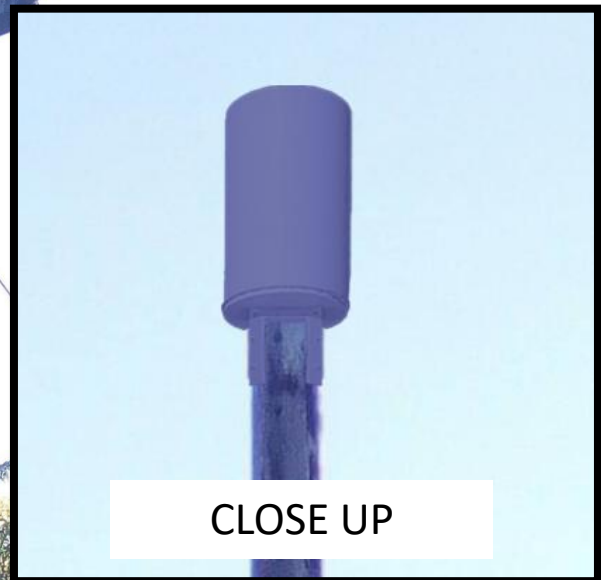


COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT D



EXISTING VIEW



CLOSE UP



CA_SF_MENLOPARK_177M1

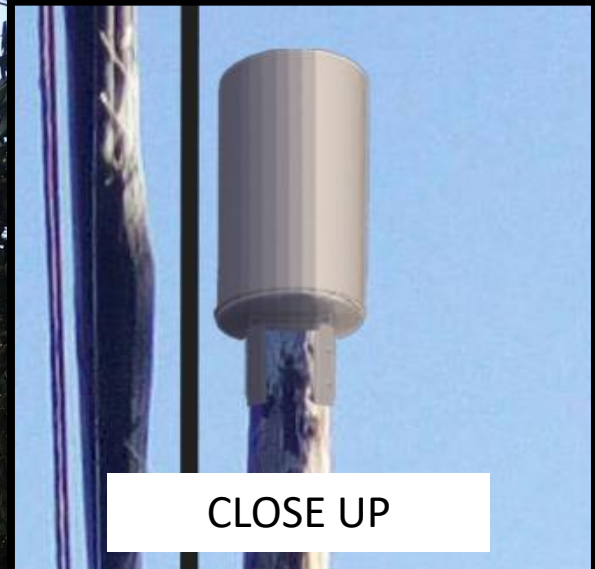
1828 VALPARAISO AVE,
MENLO PARK, CA 94025

PHOTO SIMULATION

View 1



EXISTING VIEW



CLOSE UP

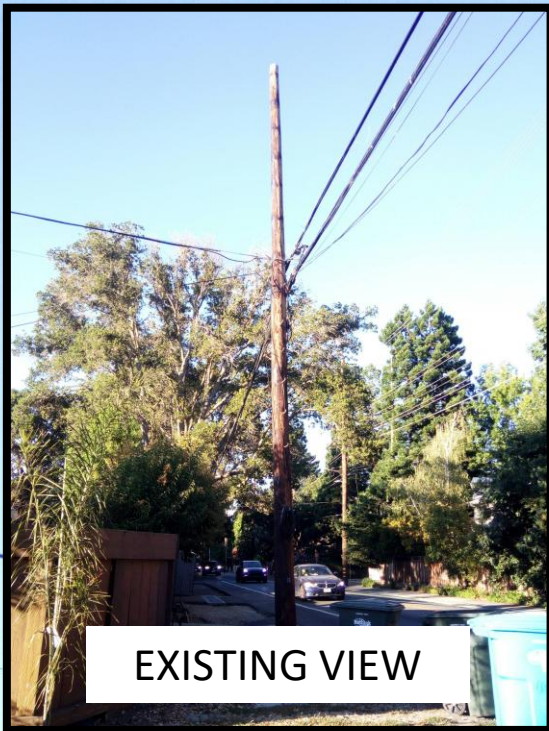


CA_SF_MENLOPARK_177M1

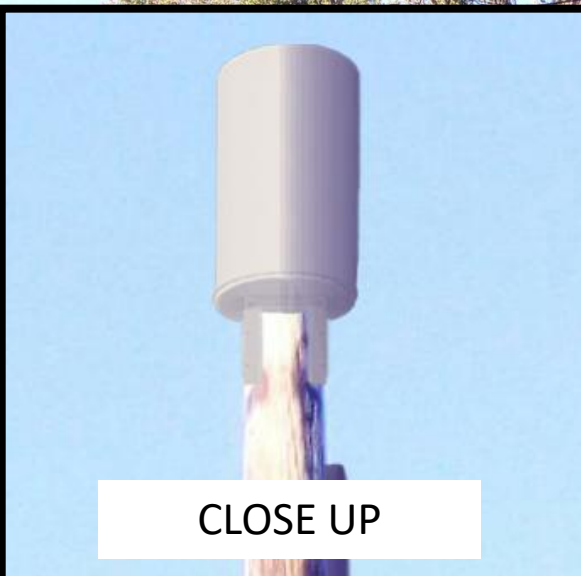
1828 VALPARAISO AVE,
MENLO PARK, CA 94025

PHOTO SIMULATION

View 2



EXISTING VIEW



CLOSE UP



CA_SF_MENLOPARK_177M1

1828 VALPARAISO AVE,
MENLO PARK, CA 94025

PHOTO SIMULATION

View 3





CA_SF_MENLOPARK_177M1

1828 VALPARAISO AVE,
MENLO PARK, CA 94025

PHOTO SIMULATION

Aerial View

Nextmap



COUNTY OF SAN MATEO - PLANNING AND BUILDING DEPARTMENT

ATTACHMENT E



WATERFORD

RF EMISSIONS COMPLIANCE REPORT

Prepared for:

Arium Networks
8020 Katy Freeway
Houston, TX 77024

Site:

CA_SF_MENLOPARK_177M1
1828 Valparaiso Ave
Menlo Park, CA 94025
37.438772, -122.202019

May 8, 2026

This site WILL BE IN COMPLIANCE with

FCC Regulations and MPE Limits:

Arium Is 5.534% of General Population (GP) Limit

(1.107% of Occupational (Occ) Limit)

Certification

I have reviewed this RF Emissions assessment report and believe it to be both true and accurate to the best of my knowledge.



Analysis completed using Waterford's NIERTool© software.

Only clients and client representatives are authorized to provide input data through the Waterford web portal. In securing that authorization, clients and client representatives warrant the accuracy of all input data. Waterford Consultants, LLC attests to the accuracy of the engineering calculations. Waterford also attests that the results of those engineering calculations are correctly summarized in this report.

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7430 New Technology Way, Suite 150

Frederick, Maryland 21703

(703) 596-1022 Phone

www.waterfordconsultants.com

Control # 111440

RF EMISSIONS COMPLIANCE STATEMENT

Site:

CA_SF_MENLOPARK_177M1

1828 Valparaiso Ave

Menlo Park, CA 94025

Compliance Statement

Subject site COMPLIES with Radiofrequency Radiation Exposure Limits of 47 C.F.R. §§ 1.1307(b)(3) and 1.1310.

Ground Level Site Summary

Predicted cumulative RF power density at ground level as a percentage of the FCC General Population limits. This result is the sum of the maximum ground level MPE for each RF emitter by band of operation. Sites below 100% are in full compliance.

Source	Predicted Power Density, % of Limit (GP)
Verizon 3700 MHz	5.534 %
Sum of Listed Sources	5.534%

Antenna Level Site Summary

Predicted cumulative RF power density at elevated levels near the antenna(s) has been evaluated with respect to the FCC General Population limits. The mitigation measures recommended herein are necessary to achieve and maintain compliance at the site based on the following assessment:

Antenna Level Assessment

Signage directives for this report are specified in the Elevation Detail Plot which depicts predicted RF power density near the antenna as a percentage of the FCC General Population limits. Areas exceeding 100% of the General Population limits are depicted as blue. Any work required within areas exceeding 100% of the limits should be coordinated with wireless operators or performed by personnel trained in RF safety and equipped with personal protection equipment. Workers in areas depicted as green or clear will not be exposed to hazardous levels of RF energy and no action is required to maintain a safe working environment.

As shown in the Elevation Detail Plot, the following keep-back distances to the FCC limits have been determined:

Reference Level	Maximum Level: General Population (%)	Maximum Level: Occupational (%)
Ground Level	5.534	1.107
Antenna Level	2289.120	457.824

Distance to FCC 100% MPE Limits at Antenna Level

- Vertical Stand Off Distance (General Population) 7 feet
- Vertical Stand Off Distance (Occupational) 4 feet
- Horizontal Stand Off Distance (General Population) 22 feet
- Horizontal Stand Off Distance (Occupational) 8 feet

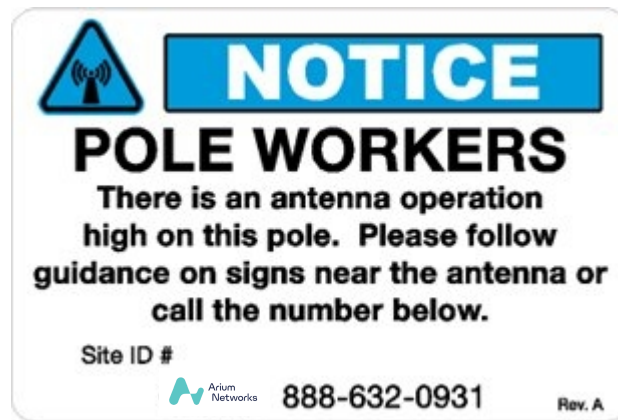
Distance to FCC 100% MPE Limits at Ground Level

- Horizontal Stand Off Distance (General Population) N/A
- Horizontal Stand Off Distance (Occupational) N/A

.

RF Alerting Signage

The "Notice" sign must be posted near the bottom of the pole or on the shroud any time there is a zone near the antenna that exceeds the General Population limit. This sign should be mounted where it is easily visible to workers on the ground as they approach the pole. Suggested locations include on the pole about 8-10' from the ground or on the front of the equipment shroud if it is mounted on the pole.



The "Caution" sign must be posted on the antenna any time there is an area that exceeds the FCC General Public exposure limit. The keep-back distance for the General Population limit must be filled in on the sign as depicted. This sign must be mounted on or just below the radiating antenna so that it is maximally visible to workers approaching the antenna in a lift or bucket truck. If there is more than one radiating antenna and they are less than 5' apart then the sign should be mounted on or near the lower antenna. If there are multiple radiating antennas and they are >5' apart then separate signs should be mounted on or near each antenna.



Technical Framework: Basis for Compliance Statement

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure (“MPE”) limits listed in Table 1 of 47 C.F.R. § 1.1310. Calculations using input data provided to Waterford by client or client's representative numerically confirm the subject site can operate at a 100% duty cycle without exceeding the FCC MPE limits in areas of uncontrolled access.

At this site, the radio frequency (RF) power density resulting from each transmitter at any location may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, continuous exposure to RF power density levels below the FCC General Population limits is not hazardous. The FCC General Population limits are 5 times more restrictive than the Occupational limits.

Frequency (MHz)	<i>Limits for General Population/ Uncontrolled Exposure</i>		<i>Limits for Occupational/ Controlled Exposure</i>	
	Power Density (mW/cm ²)	Averaging Time (minutes)	Power Density (mW/cm ²)	Averaging Time (minutes)
30-300	0.2	30	1	6
300-1500	f/1500	30	f/300	6
1500-100,000	1.0	30	5.0	6

In situations where the predicted MPE exceeds the General Population threshold in an accessible area because of emissions from multiple transmitters, FCC licensees that contribute greater than 5% of the aggregate MPE share responsibility for mitigation.

For any location where radiofrequency (RF) power densities exceed 100% MPE of the General Population limits, access controls with appropriate RF alerting signage must be available to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with the wireless operators.

Predictive Modeling

Based on the computational guidelines set forth in FCC Office of Engineering and Technology, Bulletin 65 ("OET65"), Waterford Consultants, LLC has developed software to predict the overall MPE possible at any particular location given the spatial orientation and operating parameters of multiple RF sources. These theoretical results represent worst-case predictions as emitters are assumed to be operating at maximum duty cycle.

The tabular analysis in this report calculates the spatial peak power density produced at ground level from each RF emitter. The far field power density in microWatts per square centimeter is expressed as $S_{ff} = 33.4 \times ERP / R^2$ where ERP is the Effective Radiated Power along a specific azimuth in Watts and R is the distance from the antenna radiation center in meters. The antenna manufacturer's horizontal and vertical radiation patterns have been considered in determining the ERP in any direction. This computation is based on the maximum ERP and includes a 1.6-fold increase in field strength due to ground reflection. The result provides a conservative estimate of spatially averaged power density at ground level and may be higher than predicted MPE in the graphical plots described below.

As the limits are frequency dependent, the contribution of any RF source at a specific location may be expressed as a percentage of the FCC General Population MPE limits at the associated operating frequency. The percentage contributions from all RF sources are added to determine the overall exposure level. If this result is less than 100%, the predicted cumulative exposure level is below the General Population limits set forth in the FCC Rules. The cumulative MPE depicted on the summary page is the summation of maximum MPE values for each emitter regardless of antenna orientation.

A graphical plot of calculated spatially averaged RF power density, based on the Cylindrical Model as described in OET65, predicts spatially averaged MPE conditions at areas in near proximity to the antenna. In the vertical display, predicted MPE is depicted at the center of the 6 ft vertical zone that a person could occupy.

Qualifications of Waterford

With more than 100 team-years of experience, Waterford Consultants, LLC [Waterford] provides technical consulting services to clients in the radio communications and antenna locating industry. Waterford retains professional engineers who are placed in responsible charge of the processes for analysis.

Waterford is familiar with 47 C.F.R. § § 1.1307(b)(3) and 1.1310 along with the general Rules, Regulations and policies of the FCC. Waterford work processes incorporate all specifications of FCC Office of Engineering and Technology, Bulletin 65 ("OET65"), from the website: www.fcc.gov/oet/rfsafety and follow criteria detailed in 47 CFR § 1.1310 "Radiofrequency radiation exposure Limits".

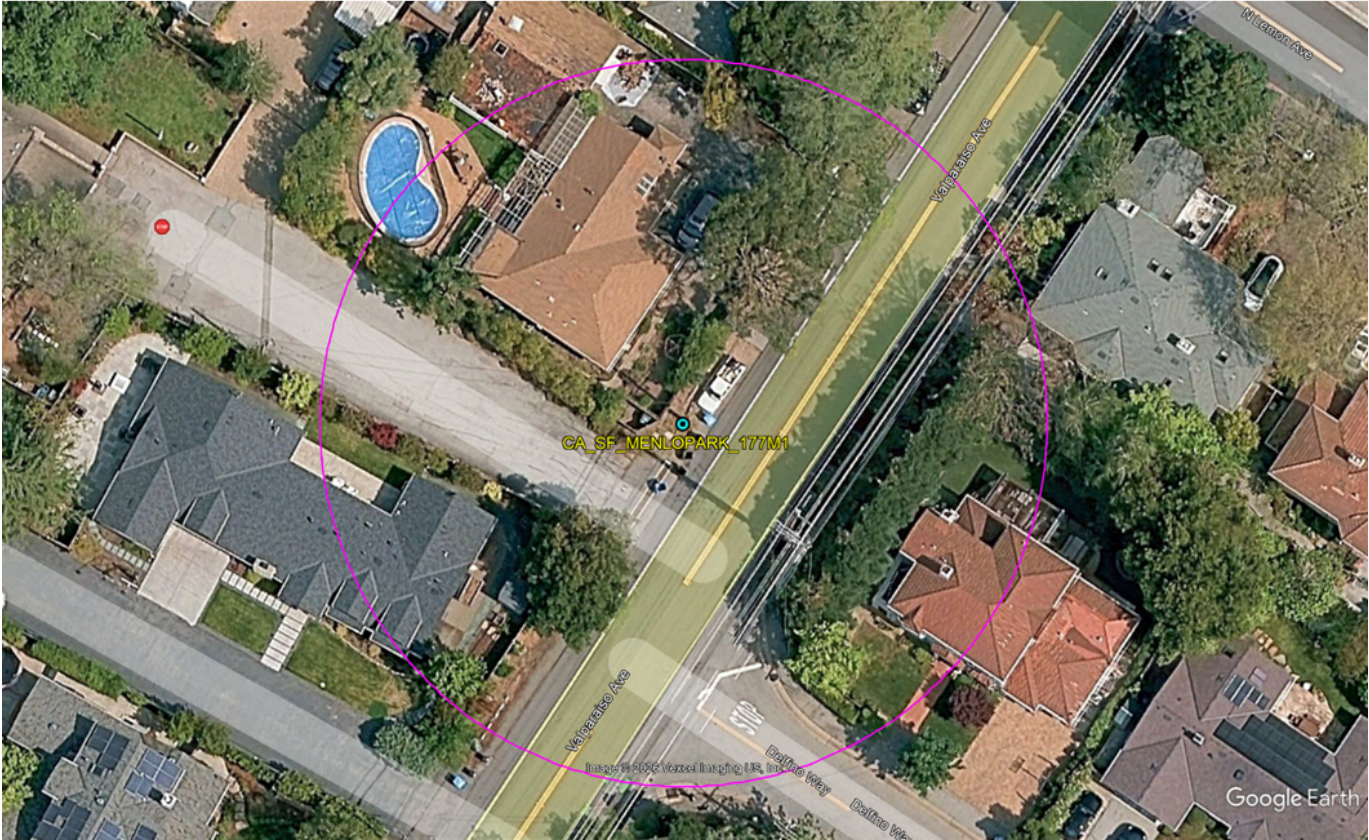
Within the technical and regulatory framework detailed above, Waterford developed tools according to recognized and generally accepted good engineering practices. Permissible exposure limits are band specific, and the Waterford computerized modeling tools correctly calculate permissible exposure based on the band(s) specified in the input data. Only clients and client representatives are authorized to provide input data through the Waterford web portal. In securing that authorization, clients and client representatives attest to the accuracy of all input data.

Waterford Consultants, LLC attests to the accuracy of the engineering calculations computed by those modeling tools. Furthermore, Waterford attests that the results of those engineering calculations are correctly summarized in this report.

Antenna Inventory

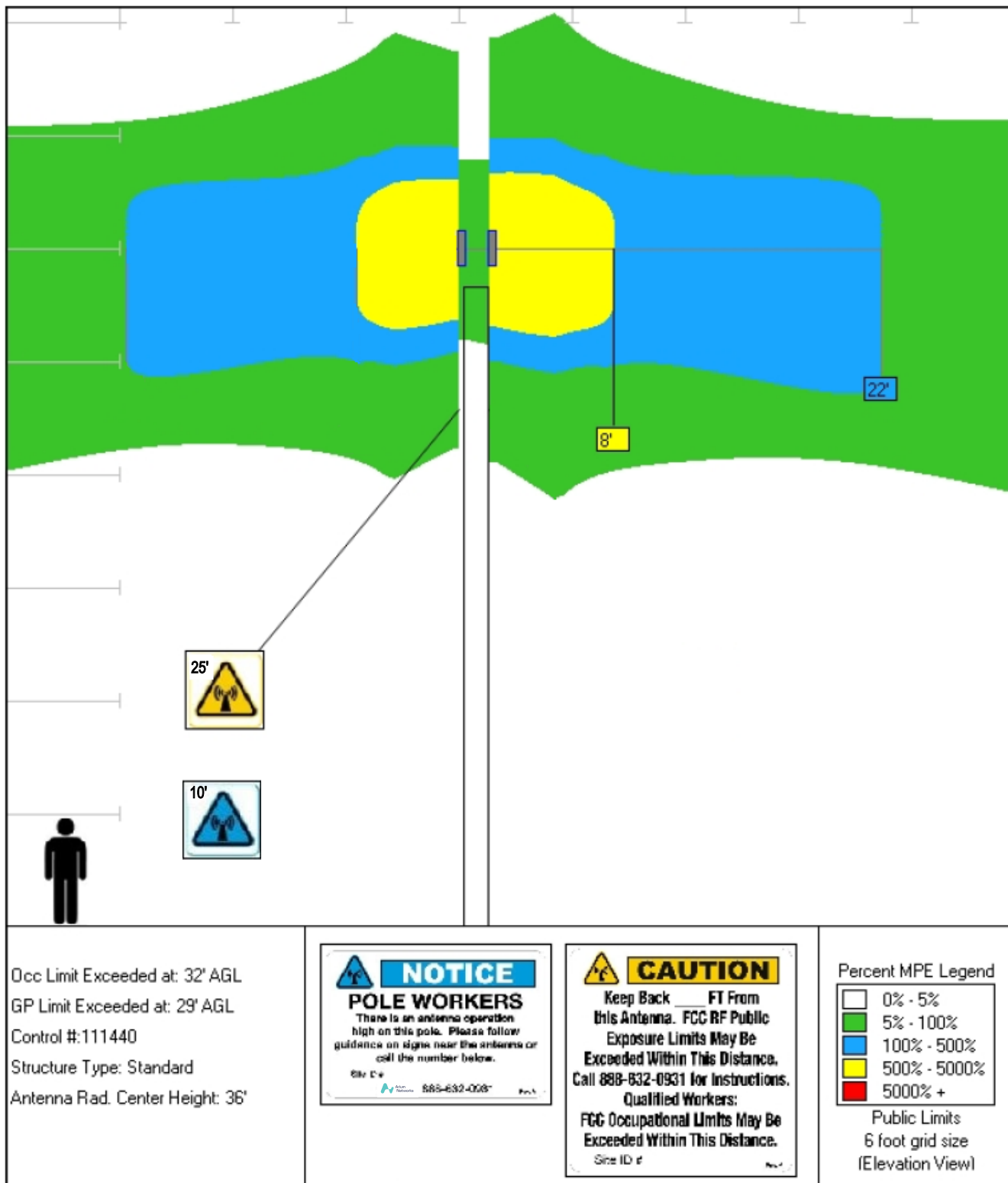
#	Operator	Make	Model	Freq (MHz)	Az (deg)	Tilt (deg)	HorBW (deg)	Ant (ft)	TPO (w)	Paths	Loss (db)	Ant Gain	Utilization %	Radiated Power (W)	RC AGL (ft)	RC AGL (ft, in.)
1	Verizon	ERICSSON	SON_AIR1672 NR TB 03.26.24 3700 VZW	3700	70	0	23	1.706	80	1	0	17.45dBd	80	4447.234 ERP	36'	36'
2	Verizon	ERICSSON	SON_AIR1672 NR TB 03.26.24 3700 VZW	3700	190	0	23	1.706	80	1	0	17.45dBd	80	4447.234 ERP	36'	36'
3	Verizon	ERICSSON	SON_AIR1672 NR TB 03.26.24 3700 VZW	3700	310	0	23	1.706	80	1	0	17.45dBd	80	4447.234 ERP	36'	36'

CA_SF_MENLOPARK_177M1
No sites found within 100 ft radius.

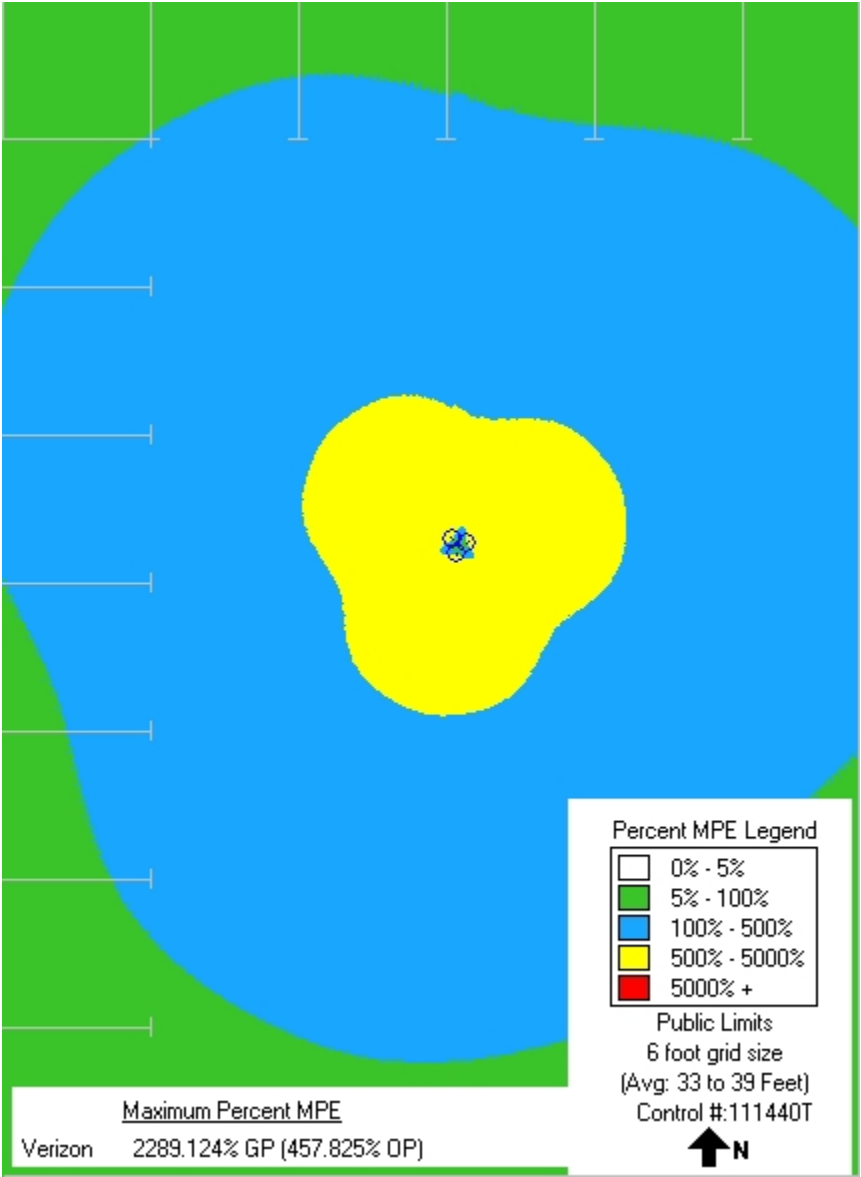


ELEVATION DETAIL

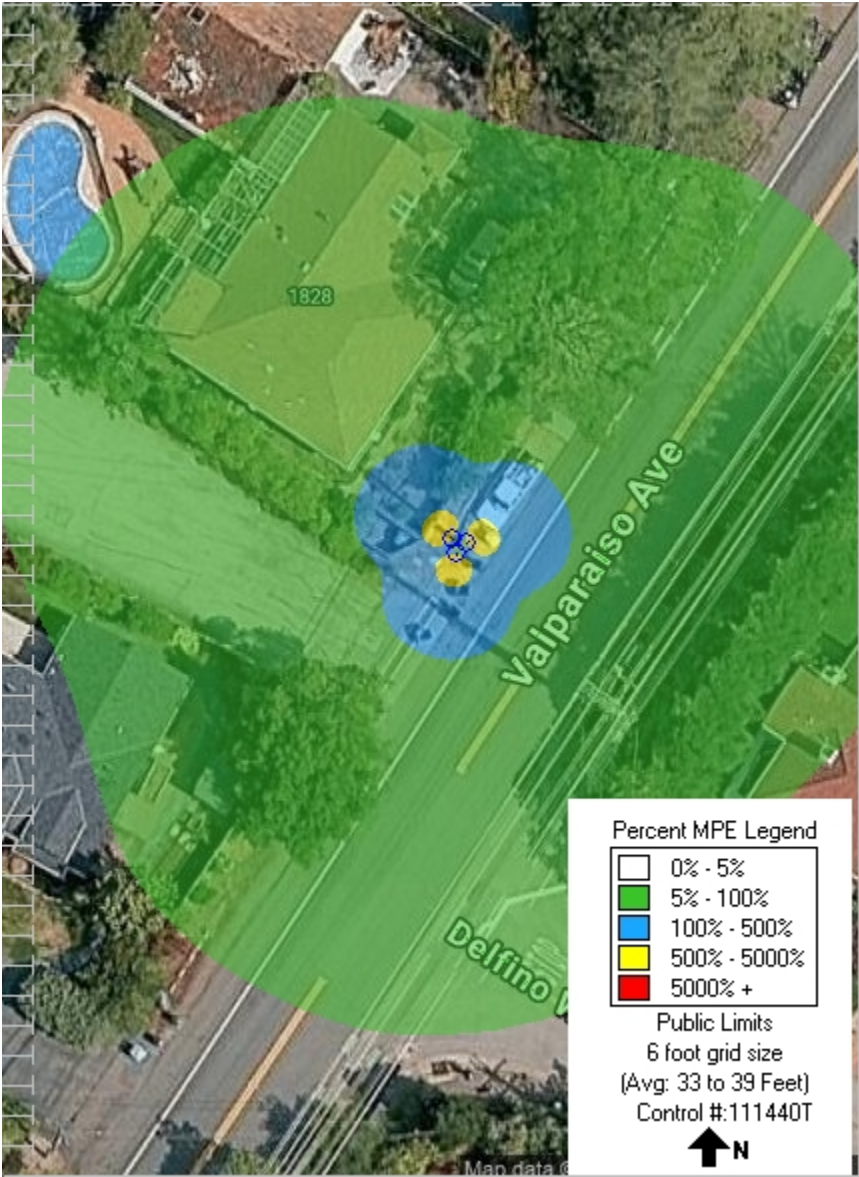
Predicted MPE depicted at the center of the 6 ft vertical zone that a person could occupy



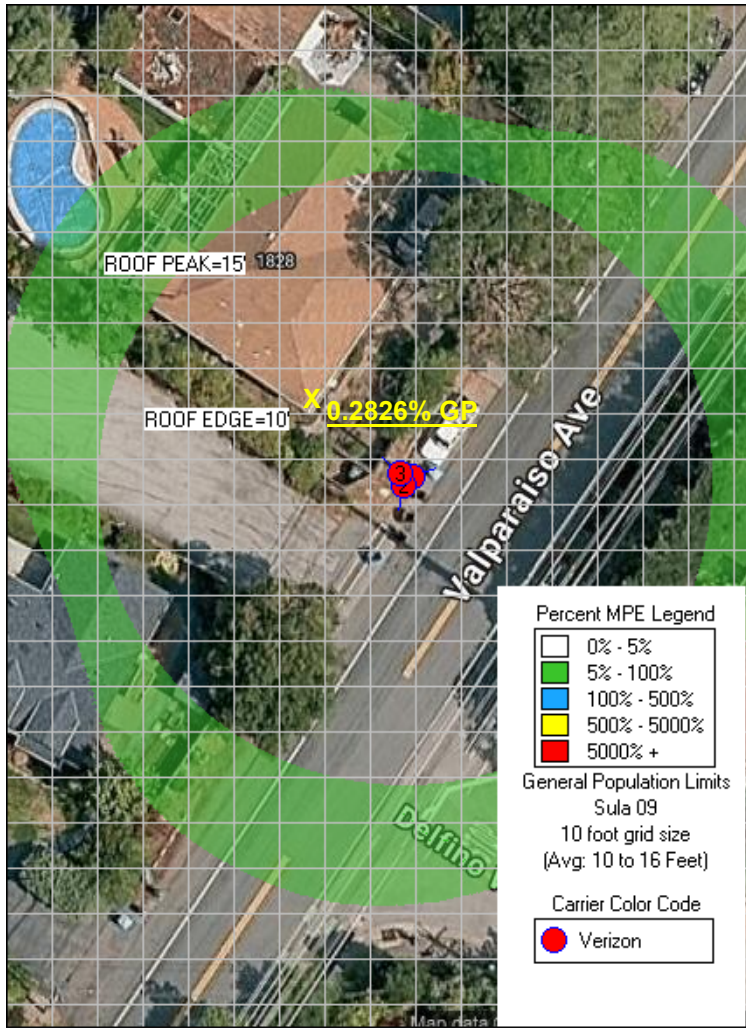
TOP DOWN DETAIL



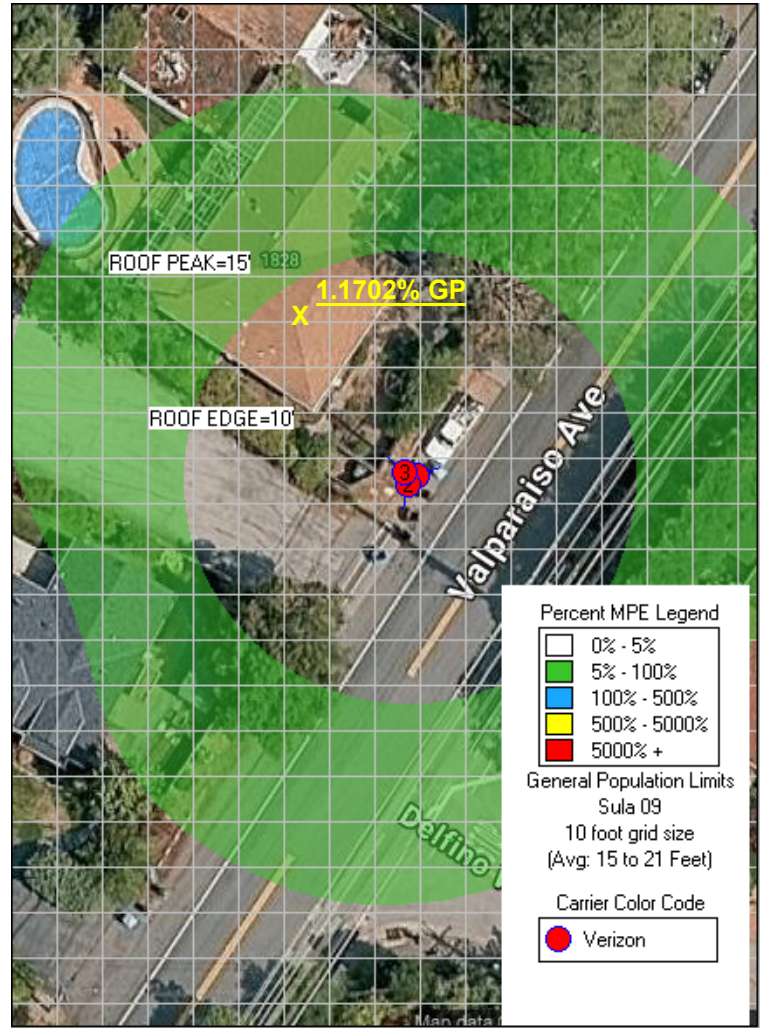
TOP DOWN DETAIL



TOP DOWN DETAIL



The reference plane for the plot is the edge level 10'
MPE is 0.2826% of the FCC General Population limits.



The reference plane for the plot is the peak level 15'
MPE is 1.1702% of the FCC General Population limits.

GROUND LEVEL MPE BY RF EMITTER

The maximum ground level MPE along the azimuth of orientation for each RF emitter by band of operation is listed below. The computational approach is described in the Predictive Modeling section. The maximum MPE by operator and band is contributive to the cumulative ground level MPE summary table presented above.

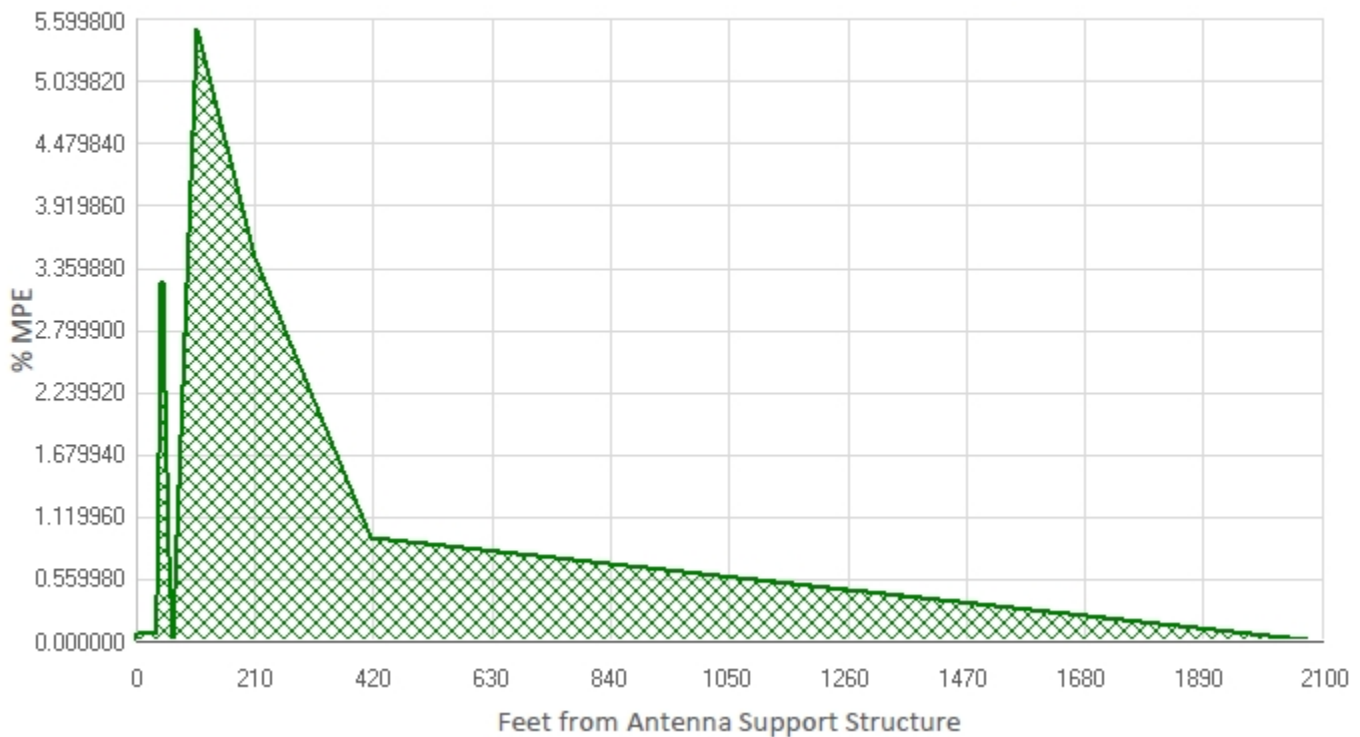
Verizon
CA_SF_MENLOPARK_177M1
ERICSSON - SON_AIR1672 NR TB 03.26.24 3700 VZW 70° Sector

Maximum Exposure Limit - 3700 MHz

Limit (GP): 1000.000 $\mu\text{W}/\text{cm}^2$

EIRP	Height	Downtilt
(Watts)	(feet)	(Degrees)
7293.460	36.000	0

Ground Level MPE as Percent of FCC General Population Limits



Maximum power density at ground level:

55.338 $\mu\text{W}/\text{cm}^2$

Highest percentage of Maximum Exposure Limit:

5.534 %

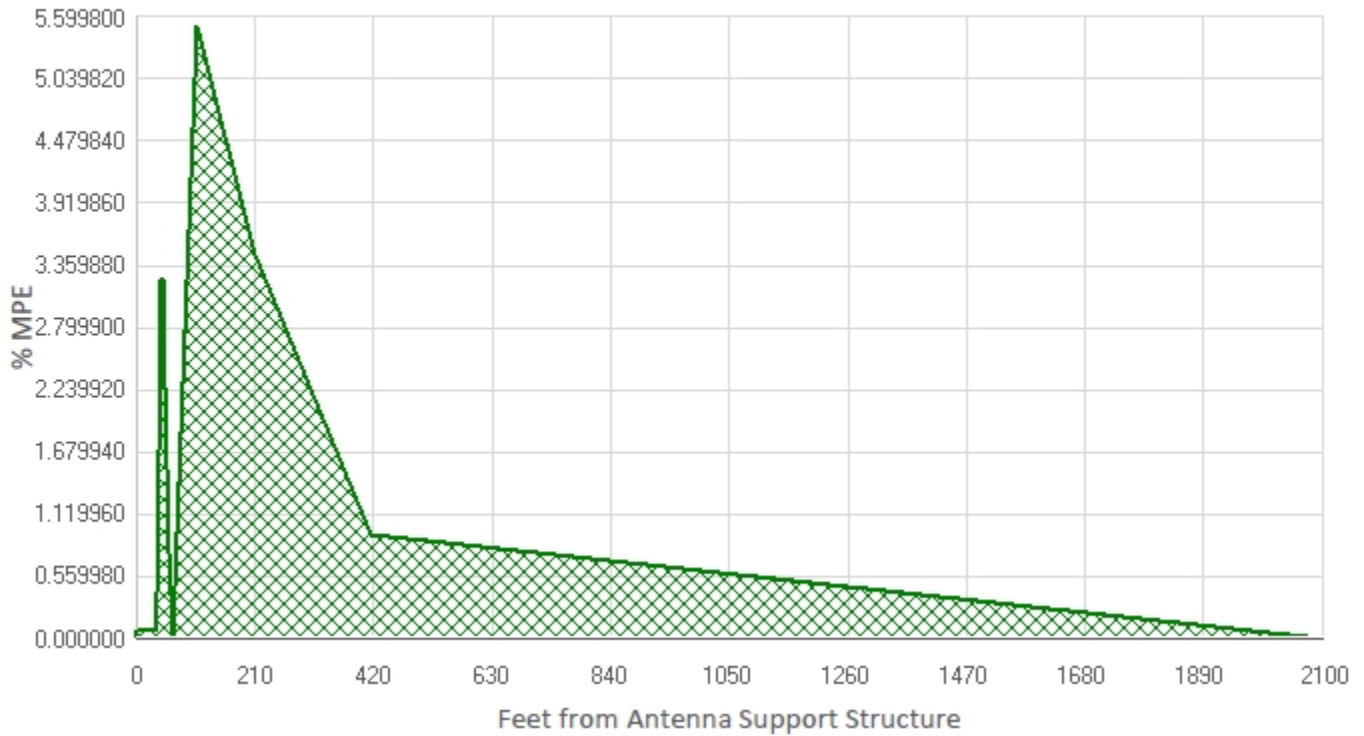
Verizon
CA_SF_MENLOPARK_177M1
ERICSSON - SON_AIR1672 NR TB 03.26.24 3700 VZW 190° Sector

Maximum Exposure Limit - 3700 MHz

Limit (GP): 1000.000 $\mu\text{W}/\text{cm}^2$

EIRP	Height	Downtilt
(Watts)	(feet)	(Degrees)
7293.460	36.000	0

Ground Level MPE as Percent of FCC General Population Limits



Maximum power density at ground level:

55.338 $\mu\text{W}/\text{cm}^2$

Highest percentage of Maximum Exposure Limit:

5.534 %

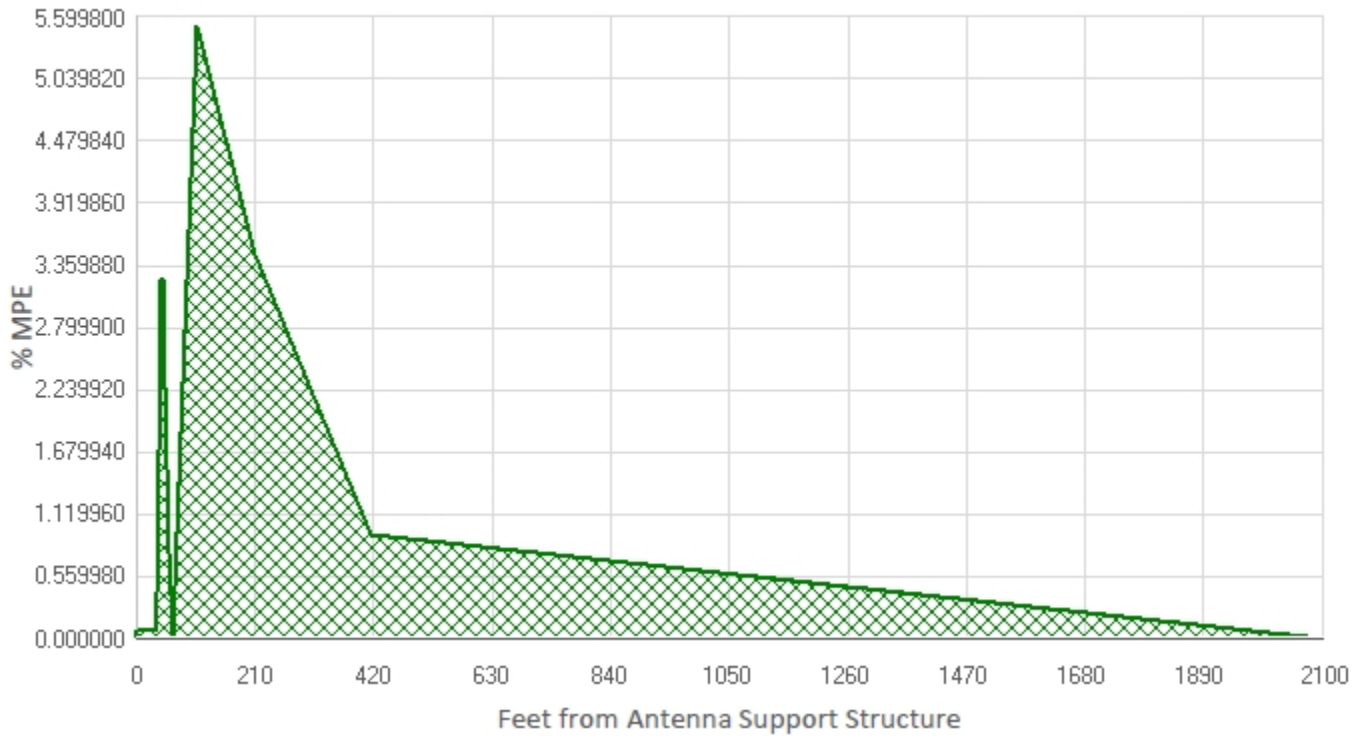
Verizon
CA_SF_MENLOPARK_177M1
ERICSSON - SON_AIR1672 NR TB 03.26.24 3700 VZW 310° Sector

Maximum Exposure Limit - 3700 MHz

Limit (GP): 1000.000 $\mu\text{W}/\text{cm}^2$

EIRP	Height	Downtilt
(Watts)	(feet)	(Degrees)
7293.460	36.000	0

Ground Level MPE as Percent of FCC General Population Limits



Maximum power density at ground level:

55.338 $\mu\text{W}/\text{cm}^2$

Highest percentage of Maximum Exposure Limit:

5.534 %