DEPARTMENT OF RESOURCE MANAGEMENT

JAMES BEZEK
Director

ALLAN CALDER
Planning Services Manager

675 Texas Street, Suite 5500
Fairfield, CA 94533-6342
(707) 784-6765
Fax (707) 784-4805

www.solanocounty.com

Planning Services Division

Solano County Zoning Administrator
Staff Report
U-05-11-MR2

Application No. U-05-11-MR2 **Project Planner:** Erik Hagstrom, CivicSpark Planning Fellow	**Meeting of July 18, 2024**
Applicant SBA Towers III, LLC 8051 Congress Ave. Boca Raton, FL 33487	**Property Owner** Gene & Catherine Glaeser 8036 Slayback Ranch Ln. Davis, California 95616

Action Requested:
Consideration of Minor Revision No. 2 of Use Permit U-05-11 by SBA Towers III, LLC to replace an existing wireless communications facility with a 84-foot-tall stealth monopine and associated equipment within a 400 square foot fenced lease area located at 8036 Slayback Ranch Rd, 1,500 feet south of Davis, within the Exclusive Agriculture "A-40" Zoning District, APN 0110-060-130.

Property Information:

Size: 400 square foot portion of 41 acres (total)	**Site Address**: 8036 Slayback Ranch Lane
Assessor's Parcel Number(s) 0110-060-130	**SRA Designation:** Local Responsibility Area, and not in Fire Hazard Severity Zone.
Zoning: Exclusive Agricultural (A-40) District 40-acre minimum	**Land Use:** Vineyards, single family residence
General Plan: Agriculture	**Ag. Contract:** Active Williamson Act Contract No. 722
Utilities: Existing electricity adjacent to site	**Access:** Existing farm access road from Slayback Ranch Lane

Adjacent General Plan Designation, Zoning District, and Existing Land Use:

	General Plan	Zoning	Land Use
North	Agriculture	Planned Development PD 12-87	Suburban Residential (City of Davis)
South	Agriculture	Exclusive Agricultural (A-40) District	Agricultural (vineyards, tomatoes)
East	Agriculture	Exclusive Agricultural (A-40) District	Agricultural (wheat), single family residence
West	Agriculture	Exclusive Agricultural (A-40) District	Agricultural (vineyards, tomatoes)

Environmental Analysis
The project qualifies for a Categorical Exemption from the California Environmental Quality Act pursuant to CEQA Guidelines Section 15302 Class 2, Replacement and Reconstruction, which states replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to: Replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity is exempt from further environmental review.

DISCUSSION

Setting

The subject site is comprised of two Assessor's Parcels (APN 0110-060-130 and 0110-060-150) totaling 41 acres of relatively flat land planted in vineyards. The Project is located on the northern 14.57-acre parcel (APN 0110-060-130). The property is improved with a residence and various agricultural accessory buildings. The ancient alignment of Putah Creek trends along the northern property line, which is also the Yolo-Solano County Line and the City of Davis Limits. Access to the property is gained via existing Slayback Ranch Lane, a private road.

Surrounding Land Use

Adjacent parcels are mainly utilized for agricultural production including vineyards and tomatoes to the south and west, wheat to the east, and suburban residential development in the City of Davis to the north.

PROJECT DESCRIPTION

Proposed Use

The proposed Project will replace an existing 84-foot wireless communications facility with a 84-foot-tall stealth monopine and associated equipment. This replacement will add the following faux tree elements: monopine branches, leaves and trunk texture. Doing so will blend the wireless telecommunication facility with the surrounding landscape and reduce the visual impact of the facility. Reference Attachment E Faux Tree Material for products used.

The project site will utilize an existing gravel farm road for access. The project is an unmanned facility and will not require water or wastewater service. Electricity will be obtained via an existing 6' utility easement extending to the facility from an existing power pole located approximately 25 feet south of the lease area. Proposed methods of access and utility provision are adequate for the proposed use.

LAND USE CONSISTENCY

General Plan and Zoning

The subject property has an Agricultural General Plan designation and is zoned Exclusive Agricultural (A-40). A wireless communication facility is a conditionally permitted land use in the "A-40" zone subject to the procedures and conditions described in Section 28-50.01 "Wireless Communication Facilities", of the Zoning Regulations.

Williamson Act Contract

The property is entered into an active land conservation contract, Williamson Act Contract No. 722. As seen on Table A of the Solano County Uniform Rules and Procedures Governing Agricultural Preserves and Land Conservation Contracts the proposed wireless communication facility is deemed a compatible use.

Aesthetics

Section 28-50.01(e)(1) Permitting Requirements describes the standards which all wireless communication facilities must meet. These requirements state that wireless communication facilities constructed outside of ¾ mile of a designated scenic corridor may not exceed a height of 65 feet; however, a bonus of 20 additional feet per facility up to maximum height of 105 feet is permissible for operators co-locating on a single tower.

The project site is approximately one mile from the nearest scenic roadway (Interstate Highway 80) so designated by the County's General Plan. The applicant is proposing a wireless facility that includes a tower with a height of 85 feet. This facility is not visible from any Solano County scenic roadways, and complies with the height limit referenced above.

The applicant has submitted a photo simulation of the site showing the proposed monopine as it would be viewed looking south from the access road (See Attachment C). From this viewpoint, the project area is more effectively camouflaged with nearby trees. Likewise, when looking north from the access road, the proposed monopine blends better with nearby trees.

Due to the fact that the proposed replacement antenna and monopine covering represent an aesthetic improvement from existing conditions, No aesthetic impacts are expected to result from the approval of this application.

Radio Frequency (RF) Analysis

The applicant has submitted a radio frequency power density study which concludes that the proposed use complies with the prevailing standards for limiting public exposure to radio frequency energy and, therefore, will not cause any substantial adverse effects on human beings, either directly or indirectly. As a result, it is not anticipated that the project will pose a health hazard to the general public. (See Attachment D)

ENVIRONMENTAL ANALYSIS (CEQA)

The project qualifies for a Categorical Exemption from the California Environmental Quality Act pursuant to CEQA Guidelines Section 15302 Class 2, Replacement and Reconstruction, which states replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to: Replacement or reconstruction of existing utility systems

and/or facilities involving negligible or no expansion of capacity is exempt from further environmental review.

PUBLIC HEARING NOTICE

In accordance with Solano County Zoning Regulations, a Notice of Public Hearing was published at least 15 days before the scheduled hearing in the Fairfield Daily Republic. In addition, all property owners of real property as shown on the latest equalized assessment roll within 1/2 mile of the property, and all persons requesting notification, were mailed notices of the hearing.

RECOMMENDATION

Staff recommends that the Zoning Administrator **ADOPT** the mandatory and suggested findings and **APPROVE** Use Permit No. U-05-11-MR2, subject to the recommended conditions of approval.

ATTACHMENTS

A - Draft Resolution
B - Site Plan
C - Existing Conditions and Photo Simulations
D - Radio Frequency Report
E - Faux Tree Materials
F – Public Notice

SOLANO COUNTY ZONING ADMINISTRATOR
RESOLUTION NO. XX

WHEREAS, the Solano County Zoning Administrator has considered Use Permit Application No. U-05-11-MR2 by **SBA Towers III, LLC** to replace an existing wireless communications facility with a 84-foot-tall stealth monopine and associated equipment within a 400 square foot fenced lease area located at 8036 Slayback Ranch Rd, 1,500 feet south of Davis, within the Exclusive Agriculture "A-40" Zoning District, APN 0110-060-130,

WHEREAS, the Zoning Administrator has reviewed the report of the Department of Resource Management and heard testimony relative to the subject application at the duly noticed public hearing held on July 18, 2024, and;

WHEREAS, after due consideration, the Zoning Administrator has made the following findings in regard to said proposal:

1. **The establishment, maintenance, or operation of the proposed use is in conformity with the County General Plan with regard to traffic circulations, population densities and distribution, and other aspects of the General Plan.**

   The operation and maintenance of a wireless communication facility is consistent with the goals, objectives, and policies of the Solano County General Plan, including but not limited to the Land Use, Resources, and Public Facilities and Service Chapters.

2. **Adequate utilities, access roads, drainage and other necessary facilities have been or are being provided.**

   The existing ingress from Slayback Ranch Ln will provide access to service the facility. The unmanned facility does not require additional utilities or infrastructure.

3. **The subject use will not, under the circumstances of the particular case, constitute a nuisance or be detrimental to the health, safety, peace, morals, comfort or general welfare of persons residing or working in or passing through the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.**

   As conditioned, the proposed wireless communication facility will not constitute a nuisance to surrounding properties, nor will it be detrimental to the health, safety, or welfare of County residents. The Radio Frequency emissions report prepared for the project indicates that the facility will be in compliance with applicable Federal Communications Commission Rules and Regulations for RF emission.

4. **The proposed facility complies with all applicable sub-sections of Wireless Communications Facilities, Section 28.81 of the Solano County Zoning Regulations.**

5. **No alternative site or design is available that would allow for issuance of a Use Permit before the Zoning Administrator for the facility.**

   The applicant is replacing an existing Wireless Telecommunication Facility with a similar facility that provides better coverage and decreases visual impact due to the addition of monopine branches, trunk texture and fake leaves.

6. The Radio Frequency (RF) Environmental Evaluation Report for the facility shows that the cumulative radio-frequency energy emitted by the facility and any near-by facilities will be consistent with FCC regulations.

7. The facility blends in with its existing environment and will not have significant visual impacts.

The facility is located outside of the ¾ mile scenic corridor; however, conditions of approval ensure the facility blends in with the existing environment to the greatest extent possible.

8. The project is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15302 (Class 2), Replacement or Reconstruction. A Notice of Exemption shall be filed with the State Clearinghouse and Clerk of the Board.

Class 2 consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced, including but not limited to: Replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.

The project consists of a replacement wireless telecommunication facility that has the same footprint and height as the previous facility. There is existing vegetation adjacent to the project area but it is mostly surrounded by farm land. The project will utilize existing footprint and lease area. There will be no ground expansion or disturbance of new areas. There are no biological sensitive animals or plants located within close proximity to the project area.

BE IT THEREFORE RESOLVED, that the Zoning Administrator does hereby approve Use Permit application U-05-11-MR2 subject to the following recommended conditions of approval:

ADMINISTRATIVE

1. Land Use. Approval is hereby granted to SBA Towers III, LLC to construct and operate a wireless communications facility consisting of an 84-foot tall monopine, the project includes (6) antennas, (6) radio units, along with cabling, utility cabinets, and meters within the 20' x 20' fenced lease area. The proposed use shall be established in accord with use permit application U-05-11-MR2 and preliminary development plans (as dated January 11, 2024) from Virtual Site Walk, LLC and as approved by the Solano County Zoning Administrator.

2. Permit Term. Pursuant to Section 28.81(J) of the Wireless Ordinance, the subject use permit shall be valid for a 10-year period until June 20, 2034.

3. Renewal. The permit term may be extended administratively by the Zoning Administrator upon verification of the permit holder's continued compliance with the findings and conditions of approval. A Land Use Renewal application shall be submitted to the Planning Services Division prior to the expiration of the permit term.

4. Revisions or Modifications in Land Use. No additional land uses, activities for new or expanded buildings shall be established beyond those identified on the approved development plan dated January 11, 2024 and detailed within the project description without prior approval of a revision, amendment, or a new use permit and subsequent environmental review.

5. **Removal Upon Discontinuation of Use.** All equipment associated with the wireless communications facility shall be removed within 90 days of discontinuation of the uses and the site shall be restored to its original pre-construction condition. The operators agree to such removal and allow the County access across private property to effect such removal. Written verification of the removal of the wireless communications facility shall be provided to the Planning Services Division within 90 days of discontinuation of use.

6. **Security to Provide for Removal of Equipment.** Prior to building permit issuance, the applicant or permittee shall provide a bond, cash, or other surety, to the satisfaction of the Department of Resource Management, for the removal of the facility in the event that the use is abandoned, or the use expires, or is revoked, or is otherwise terminated. The amount of security shall be based on a cost estimate provided by a contractor or other qualified professional to the satisfaction of the Director of Resource Management. If the permittee does not remove any obsolete or unused facilities as described above, the financial guarantee shall be used by the County to remove any obsolete or unused facilities and to return the site to its pre-development condition. A financial assurance must be irrevocable and not cancellable, except by the County. Each form of financial assurance must remain valid for the duration of the permit and for six months following termination, cancellation, or revocation. Any unused financial guarantee shall be returned to the applicant upon termination of the use and removal of the facility, or transfer of the lease accompanied by the financial guarantee by the new lessee or owner.

7. **Indemnification**. By acceptance of this permit, the permittee and its successors in interest agree that the County of Solano, its officers and employees shall not be responsible for injuries to the property or persons arising from the issuance or exercise of this permit. The permittee shall defend, indemnify and hold harmless the County of Solano, its officers and employees from all claims, liabilities, losses or legal actions arising from any such injuries. The permittee shall reimburse the County for all legal costs and attorney's fees related to litigation based on the issuance and/or interpretation of this permit. This agreement is a covenant that runs with the land and shall be binding on all successors in interest of the permittee.

8. **Failure to Comply.** Failure to comply with any of the conditions of approval or limitations set forth in this permit shall be cause for the revocation of the Use Permit and cessation of the permitted uses at the Permittee's expense.

GENERAL WIRELESS COMMUNICATIONS FACILITY STANDARDS

9. **Screening and Design Consistency with the Surrounding Environment**. The facility shall blend in with the predominant features of the existing natural and/or built environment as well as screened to the maximum extent possible.

10. **Radio-frequency exposure.** Prior to operation of the facility, the permittee shall comply with all requirements of the Federal Communications Commission including RF signage. Signage shall be consistent with the recommended signage/compliance plan contained in the provided RF report.

12. **Cabling**. All visible cabling between equipment and antennas shall be routed within the building wherever feasible. Cabling on the exterior of a building or monopole shall be located within cable trays painted to match. All cabling shall be performed in accordance with the NEC.

13. **Painting and Lighting**. The facility shall be generally unlit except when authorized personnel are present at night. All facilities shall be painted or constructed of materials to minimize visual impact.

14. **Noise**. The facility shall be designed to minimize noise and adhere to a maximum exterior noise level of 65 dB at the facility site's property lines.

15. **Accessory Structures**. Enclosures and cabinets housing equipment shall meet setback and height restrictions. Such structures shall appear architecturally compatible with their surroundings and be designed to minimize their visual impact. To meet this requirement, underground vaults may be required.

16. **Roads and Parking**. The facility shall be served by the minimum roads and parking areas necessary and shall use existing roads and parking areas whenever possible.

17. **Provisions for Future Co-location**. The facility shall be encouraged to promote future facility and site sharing.

18. **Underground Utilities**. All on-site utility lines leading to and connecting the leased areas and equipment shelters shall be located underground.

19. **Facility Maintenance.** All facility components including, but not limited to, tower, antennas, microwave dishes, remote radio units, equipment cabinets, and fencing shall be maintained in good condition, including ensuring the facilities are reasonably free of:

- Rust and corrosion;
- Chipped, faded, peeling and cracked paint;
- Graffiti, bill, stickers, advertisements, litter and debris; and
- Broken or misshapen structural parts

The permittee shall take such measures as may be necessary or as may be required by the County to prevent offensive noise, lighting, dust or other impacts which constitute a hazard or nuisance to surrounding properties.

The premises shall be maintained in a neat and orderly manner and kept free of accumulated debris and junk

BUILDING & SAFETY DIVISION

20. **Building Permit.** Prior to any construction or improvements taking place, a building permit application shall first be submitted as per Section 105 of the California Building Code or the latest edition of the codes enforced at the time of building permit application. "Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit."

Action Required	When	Verified by	Date
File building permit as necessary	Prior to construction		

ENVIRONMENTAL HEALTH DIVISION

21. A Hazardous Materials Business Plan (HMBP) is not required for the facility as the submitted plans show a 0.8146 cu ft battery backup. The storage, handling, and/or use of hazardous

materials, including diesel, onsite in reportable quantities greater than 55 gallons of liquid, 200 cubic feet of compressed gas, and/or 500 pounds of solid material, requires the creation of a facility profile in the California Environmental Reporting System (CERS) and completion of a Hazardous Materials Business Plan (HMBP) within 30 days of bringing the reportable quantities of hazardous materials onsite.

Action Required	When	Verified by	Date
File HMBP as necessary	Once reportable quantities are exceeded		

PUBLIC WORKS - ENGINEERING

22. **Encroachment Permit.** Applicant shall apply for, secure, and abide by the conditions of an encroachment permit for any work within the public right-of-way. Driveways must be maintained in such a manner as to prevent soil, rocks, and debris from tracking onto public roads.

Action Required	When	Verified by	Date
File encroachment permit	Prior to construction		

23. **Easements.** The permittee shall submit legal descriptions and plats of the proposed access and utility easements to Public Works – Engineering prior to the issuance of a grading or building permit.

Action Required	When	Verified by	Date
Submit legal descriptions	Filing grading and/or encroachment permits		

****

I hereby certify that the foregoing resolution was adopted at the regular meeting of the Solano County Zoning Administrator on July 18, 2024.

JAMES BEZEK, DIRECTOR
RESOURCE MANAGEMENT

Allan M. Calder
Planning Program Manager

NOTE:

"IN THE EVENT OF SITE ABANDONMENT, THE CITY SHALL FOLLOW THE PROCEDURES OF FMC SECTION 15-5016 - REVOCATION OF PERMITS"

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT CONDITIONS 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:

CALIFORNIA STATE AND LOCAL BUILDING CODES WITH THE FOLLOWING REFERENCE CODE:

2022 CALIFORNIA BUILDING CODE AND LOCAL AMENDMENTS
2022 CALIFORNIA MECHANICAL CODE AND LOCAL AMENDMENTS
2022 CALIFORNIA ELECTRICAL CODE AND LOCAL AMENDMENTS
2022 CALIFORNIA PLUMBING CODE AND LOCAL AMENDMENTS
2022 CALIFORNIA FIRE CODE AND LOCAL AMENDMENTS
2022 CALIFORNIA ENERGY CODE
2022 CALIFORNIA REFERENCED STANDARD CODE

CONSULTING TEAM

ARCHITECTURAL - ENGINEERING FIRM:
ACOM CONSULTING, INC
5200 SW MEADOWS RD, STE 150
LAKE OSWEGO, OR 97035
CONTACT: RICK MATTESON
PHONE: (425) 209-6723

STRUCTURAL ENGINEER:
WELLS L. HOLMES, S.E.
VECTOR STRUCTURAL ENGINEERING
651 W GALENA PARK BLVD, SUITE 101
DRAPER, UT 84020
PHONE: 801.990.1775

SURVEYING FIRM:
AMBIT CONSULTING
410 E. SOUTH AVE.
TEMPE, AZ 85282
CONTACT: PAT DONAHOE
PHONE: (480) 659-4072

ELECTRICAL ENGINEER:
DEAN P. LEVORSEN, PE
VECTOR STRUCTURAL ENGINEERING
651 W GALENA PARK BLVD, SUITE 101
DRAPER, UT 84020
PHONE: 801.990.1775

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

SITE NAME
SAC220-PUTAH CIRCLE

SITE I.D.
CA12917A

TMO SITE I.D.
SC90220M

E911 ADDRESS
8036 SLAYBACK RANCH LN
DAVIS, CA 95618

PROJECT:
DRIP

PROJECT TYPE
TOWER REPLACEMENT MONOPINE CONVERSION

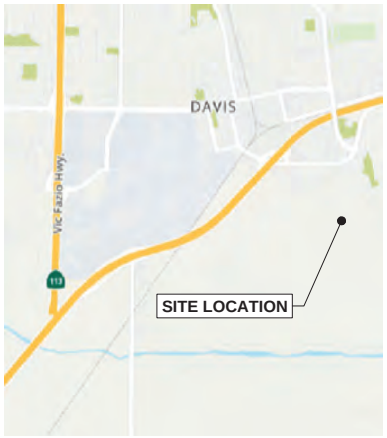
PROJECT DESCRIPTION

THE PROPOSED SCOPE OF WORK IS AS FOLLOWS:

1. THERE IS (1) UNMANNED TELECOMMUNICATIONS SITES AT THIS LOCATION:
   - 1.1. (1) 20'x20' (400.0 SQ FT) SBA LEASE AREA WITH (1) 84.0' MONOPOLE TO BE REPLACED WITH A NEW 84.0' MONOPINE TOWER. ALL EXISTING ANTENNAS TO BE REMOVED. NEW ANTENNA MOUNT ADDED FOR NEW ANTENNAS. NEW ICE BRIDGE TO BE ADDED TO NEW MONOPINE LOCATION.
   - 1.2. NEW MONOPINE TO BE CONSTRUCTED FIRST. ALL EXISTING ANTENNAS FROM EXISTING MONOPOLE TO REMOVED. ONCE ALL ANTENNAS HAVE BEEN REMOVED, THE EXISTING 84.0' MONOPOLE WILL BE DISMANTLED AND REMOVED FROM SITE. TIME FOR CONSTRUCTION AND TESTING WILL BE APPROXIMATELY 4-6 WEEKS.
   - 1.3. PROPOSED (3) FFVV-65C-R3-V1 OCTOPORT ANTENNAS, (3) AIR6419 (B41) ANTENNAS, (3) 4480 RRU'S, (3) 4460 RRU'S, (2) 99' 6/24 4AWG HYBRID TRUNK & (1) RMVD8-296-18 TRIPLE T-ARM ANTENNA MOUNTING SYSTEM
2. THERE WILL BE NO MORE THAN ONE TRIP PER MONTH TO THE SITE FOR CASUAL MAINTENANCE.
3. REMOVE EXISTING RBS 6201, (6) RUS01 B2, AND (6) RUS01B4. (1) NEW 6160 EQUIPMENT CABINET, (1) NEW B160 BATTERY CABINET AND (1) NEW CSR IXRe V2 (GEN 2) WILL BE ADDED. CONTRACTOR TO VERIFY ALL EXISTING GROUND EQUIPMENT CABINETS ARE SECURED TO PREVENT UNAUTHORIZED ACCESS.
4. NO NEW NOISE GENERATING EQUIPMENT WILL BE ADDED TO THIS PROJECT.
5. LIGHTING IS NOT BEING PROPOSED WITH THIS PROJECT.
6. NEW ELECTRICAL WILL BE REQUIRED FOR THIS PROJECT.
7. PROVIDE APPROVED FIRE/POLICE PADLOCK TO BE INSTALLED ON GATED FOR EMERGENCY VEHICLE ACCESS.
8. THE IRRIGATION WAS INSTALLED WITH THE ORIGINAL CONSTRUCTION OF THE ENCLOSURE AND NEEDS TO BE REPAIRED. PLANTINGS NEED TO BE REMOVED OR REPLACED AS NEED. TO BE REVIEWED AND APPROVED BY THE DISTRICT.

VICINITY MAP

N.T.S.



REGIONAL MAP

N.T.S.

PROJECT INFORMATION

SITE NUMBER:	CA12619
SITE NAME:	SAC220-PUTAH CIRCLE
SITE ADDRESS:	8036 SLAYBACK RANCH LN DAVIS, CA 95618
COUNTY:	SOLANO COUNTY
LAND OWNER	GENE W. GLAESER & CATHERINE L. GLAESER TRUST
APPLICANT:	SBA MONARCH TOWERS III, LLC 8051 CONGRESS AVENUE BOCA RATON, FL 33487
CONTACT PERSON:	JACOB HAMILTON jake@virtualsitewalk.com
LATITUDE:	38° 31' 58.08" N (FROM RFDS)
LONGITUDE:	121° 43' 20.8194" W (FROM RFDS)
LAT/LONG TYPE:	DEGREES MINUTES AND SECONDS
GROUND ELEVATION:	26.0'± AMSL
CURRENT ZONING:	A40 - EXCLUSIVE AGRICULTURE
PARCEL No.:	0110060130

SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET	B
LP-1	LOCATION PLAN	B
LP-2	ENLARGED LOCATION PLAN	B
C-1	ENGINEERING SITE PLAN	B
C-2	ANTENNA SCHEDULE	B
C-3	SITE DETAILS AND SPECIFICATIONS	B
C-4	DETAILS AND SPECIFICATIONS	B
C-5	DETAILS AND SPECIFICATIONS	B
C-6	DETAILS AND SPECIFICATIONS	B
ANT-1	EXISTING SITE ELEVATION	B
ANT-2	PROPOSED SITE ELEVATION	B
ANT-3	EXISTING SITE ELEVATION	B
ANT-4	PROPOSED SITE ELEVATION	B
E-1	UTILITY ROUTING PLAN	B
E-2	SITE GROUNDING PLAN	B
E-3	ELECTRICAL AND GROUNDING DETAILS	B
E-4	SINGLE LINE DIAGRAM & PANEL SCHEDULE	B
GN-1	GENERAL NOTES	B

FULL SCALE PRINT IS ON 22"x34" MEDIA

SURVEY ATTACHMENTS

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/1/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING

811

48 HOURS BEFORE YOU DIG

DRIVING DIRECTIONS

FROM SACRAMENTO INT'L AIRPORT:

HEAD NORTH ON AIRPORT BLVD., KEEP RIGHT ONTO AIRPORT BLVD TOWARD A TERMINAL., KEEP RIGHT TOWARD RENTAL CARS/ECONOMY PARKING., CONTINUE ON MCNAIR CIR., CONTINUE ON AVIATION DR., CONTINUE ON CROSSFIELD DR TOWARD AIRPORT EXIT/I-5/ALL TERMINALS/WEST ECONOMY LOT., TAKE THE 2ND EXIT FROM ROUNDABOUT ONTO CROSSFIELD DR TOWARD AIRPORT EXIT/I-5., TAKE THE 3RD EXIT FROM ROUNDABOUT ONTO AIRPORT BLVD TOWARD AIRPORT EXIT/I-5., TAKE RAMP ONTO I-5 N TOWARD REDDING., TAKE EXIT 536 TOWARD ROAD 102., TURN LEFT ONTO COUNTY ROAD 102 (CR-E8)., CONTINUE ON LILLARD DR., TURN RIGHT ONTO DANBURY ST., CONTINUE ON DRUMMOND AVE., TURN RIGHT ONTO SLAYBACK RANCH LN.

ESTIMATED DISTANCE: 19.7 MILES
ESTIMATED TIME: 28 MINUTES

ACCESSIBILITY REQUIREMENTS

ACCESSIBILITY REQUIREMENTS :

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
ACCESSIBILITY ACCESS REQUIREMENTS NOT REQUIRED

PLUMBING REQUIREMENTS :

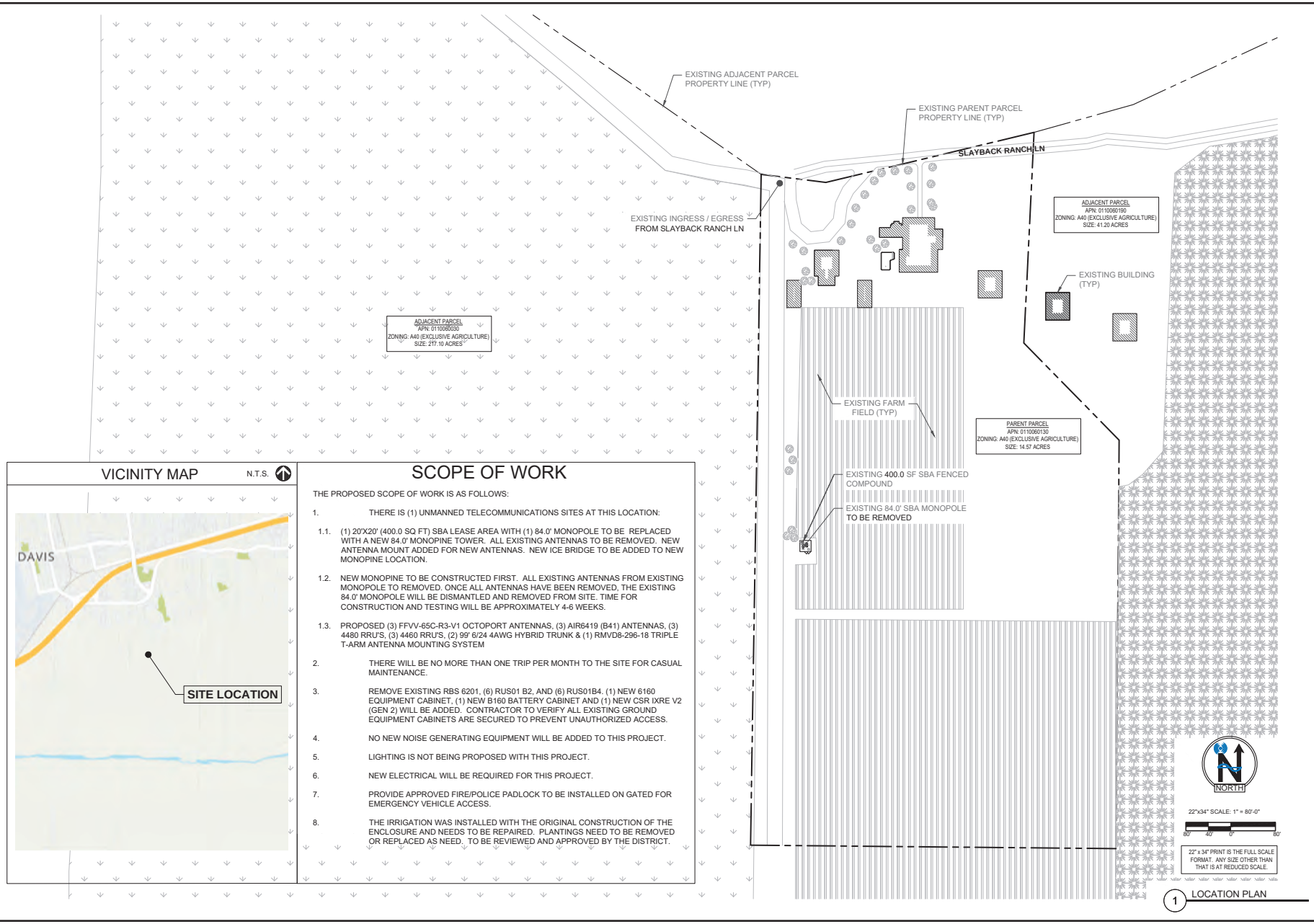
FACILITY HAS NO PLUMBING

UTILITY CONTACT INFORMATION

POWER COMPANY: T.B.D.

FIBER COMPANY: T.B.D.

NOTE: UTILITY COORDINATION IS NOT REQUIRED AS NO NEW POWER / FIBER / TELCO WILL BE ADDED TO THIS PROJECT



VICINITY MAP

N.T.S.

SCOPE OF WORK

THE PROPOSED SCOPE OF WORK IS AS FOLLOWS:

1. THERE IS (1) UNMANNED TELECOMMUNICATIONS SITES AT THIS LOCATION:

1.1. (1) 20'X20' (400.0 SQ FT) SBA LEASE AREA WITH (1) 84.0' MONOPOLE TO BE REPLACED WITH A NEW 84.0' MONOPINE TOWER. ALL EXISTING ANTENNAS TO BE REMOVED. NEW ANTENNA MOUNT ADDED FOR NEW ANTENNAS. NEW ICE BRIDGE TO BE ADDED TO NEW MONOPINE LOCATION.

1.2. NEW MONOPINE TO BE CONSTRUCTED FIRST. ALL EXISTING ANTENNAS FROM EXISTING MONOPOLE TO REMOVED. ONCE ALL ANTENNAS HAVE BEEN REMOVED, THE EXISTING 84.0' MONOPOLE WILL BE DISMANTLED AND REMOVED FROM SITE. TIME FOR CONSTRUCTION AND TESTING WILL BE APPROXIMATELY 4-6 WEEKS.

1.3. PROPOSED (3) FFVV-65C-R3-V1 OCTOPORT ANTENNAS, (3) AIR6419 (B41) ANTENNAS, (3) 4480 RRU'S, (3) 4460 RRU'S, (2) 99' 6/24 4AWG HYBRID TRUNK & (1) RMVD8-296-18 TRIPLE T-ARM ANTENNA MOUNTING SYSTEM

2. THERE WILL BE NO MORE THAN ONE TRIP PER MONTH TO THE SITE FOR CASUAL MAINTENANCE.

3. REMOVE EXISTING RBS 6201, (6) RUS01 B2, AND (6) RUS01B4. (1) NEW 6160 EQUIPMENT CABINET, (1) NEW B160 BATTERY CABINET AND (1) NEW CSR IXRE V2 (GEN 2) WILL BE ADDED. CONTRACTOR TO VERIFY ALL EXISTING GROUND EQUIPMENT CABINETS ARE SECURED TO PREVENT UNAUTHORIZED ACCESS.

4. NO NEW NOISE GENERATING EQUIPMENT WILL BE ADDED TO THIS PROJECT.

5. LIGHTING IS NOT BEING PROPOSED WITH THIS PROJECT.

6. NEW ELECTRICAL WILL BE REQUIRED FOR THIS PROJECT.

7. PROVIDE APPROVED FIRE/POLICE PADLOCK TO BE INSTALLED ON GATED FOR EMERGENCY VEHICLE ACCESS.

8. THE IRRIGATION WAS INSTALLED WITH THE ORIGINAL CONSTRUCTION OF THE ENCLOSURE AND NEEDS TO BE REPAIRED. PLANTINGS NEED TO BE REMOVED OR REPLACED AS NEED. TO BE REVIEWED AND APPROVED BY THE DISTRICT.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/1/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	1/27/23	KM
1	100% FINAL CD SET	1/10/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

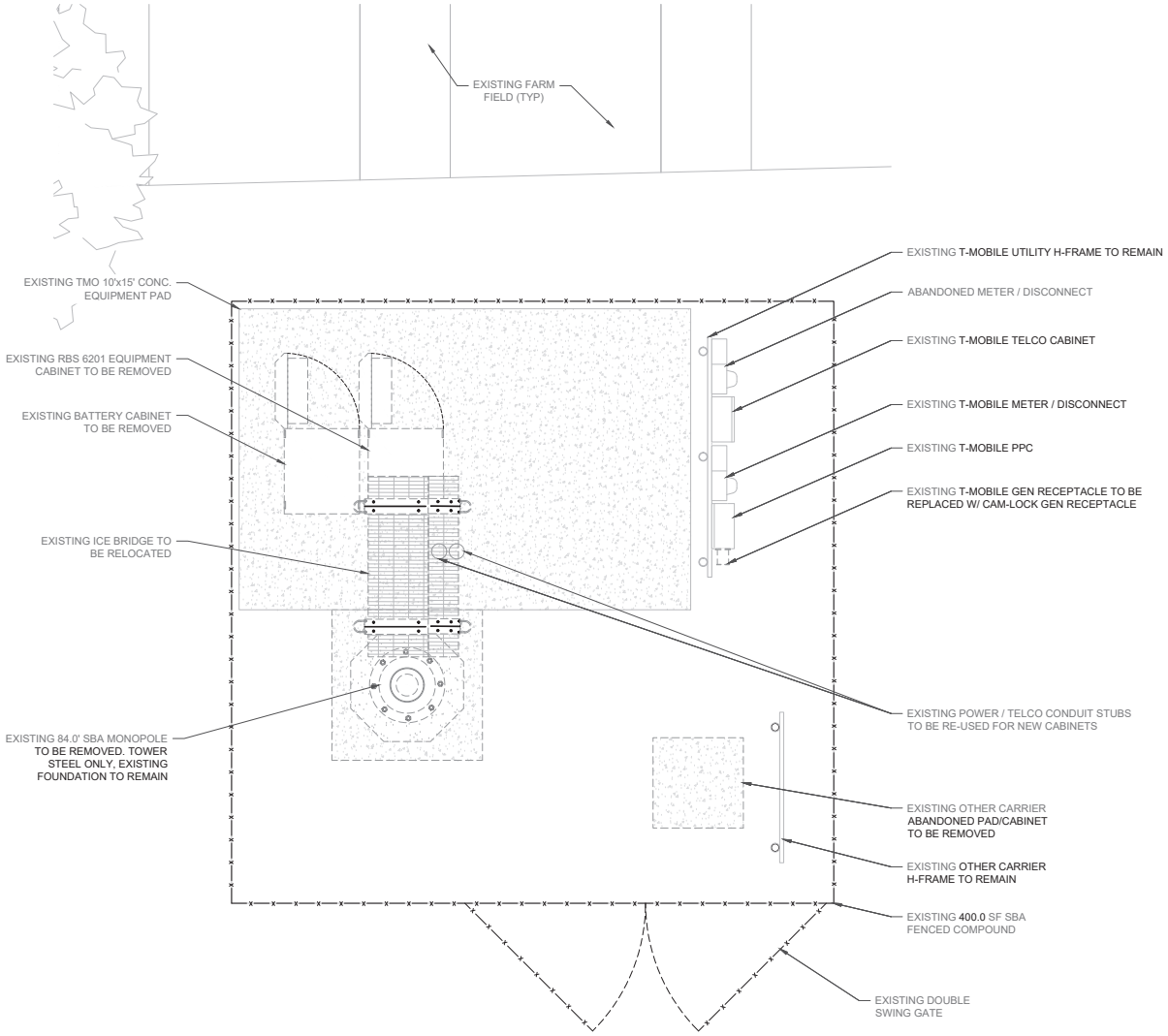
DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE

SURVEY PLAN

SHEET NUMBER

LP-1



NOTE:

1. IN THE EVENT OF SITE ABANDONMENT, THE CITY SHALL FOLLOW THE PROCEDURES OF FMC SECTION 15-5016 – REVOCATION OF PERMITS
2. ALL MONO-TREE DESIGNS SHALL INCORPORATE APPROPRIATE THREE-DIMENSIONAL BARK CLADDING AND SHALL PROVIDE FOR SCREENING FOLIAGE TO EXTEND BEYOND ALL ANTENNAS BY NO LESS THAN 24 INCHES. THE DESIGN, NUMBER AND PLACEMENT OF ANY BRANCH-LIKE STRUCTURES AFFIXED TO THE SLIM LINE MONO-PINE SHALL INSURE THE ADEQUATE CAMOUFLAGING OF THE ANTENNAS, RELATED ELECTRICAL CABLES AND EQUIPMENT, AND THE ANTENNA AND EQUIPMENT MOUNTS.
3. ALL FUTURE ANTENNAS SHALL HAVE NEEDLE SOCKS MATCHING THE COLOR AND TEXTURE OF THE MONO-TREE FOLIAGE. ANTENNAS WHICH CANNOT BE SOCKED FOR HEAT MITIGATION PURPOSES SHALL BE PAINTED TO MATCH THE MONO-TREE
4. ALL FUTURE RADIOS, RAYCAPS, MICROWAVE ANTENNAS, EXPOSED CABLES, MOUNTING EQUIPMENT, AND OTHER ANCILLARY EQUIPMENT SHALL BE PAINTED TO MATCH THE MONO-TREE.
5. DUE TO ENVIRONMENTAL FACTORS SUCH AS WIND, RAIN AND SUN, THE OWNER / APPLICANT SHALL MAINTAIN ALL MONO-TREES TO ENSURE THAT THE FAUX FOLIAGE IS LUSH, CONTINUES TO RESEMBLE A TREE, AND FULLY SCREENS ALL ANTENNAS AND OTHER EQUIPMENT.
6. THE OWNER/APPLICANT SHALL MAINTAIN THE FENCE / WALL AND ENSURE THE FENCE /WALL IS KEPT FREE OF GRAFFITI AND VANDALISM, AND ANY VISIBLE STRUCTURAL DAMAGE.
7. EXISTING SECURITY CAGE MAY NEED TO BE REVISED PER NEW MONO-TREE FINAL LOCATION.
8. FAUX VEGETATION IS REQUIRED BY LOCAL JURISDICTION - FAUX SHRUBS AND VINES FOR QUICK, FULL COVERAGE AND WATER CONSERVATION TO BE USED.

NORTH

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

2' 1' 0" 2'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

1 ENLARGED LOCATION PLAN

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

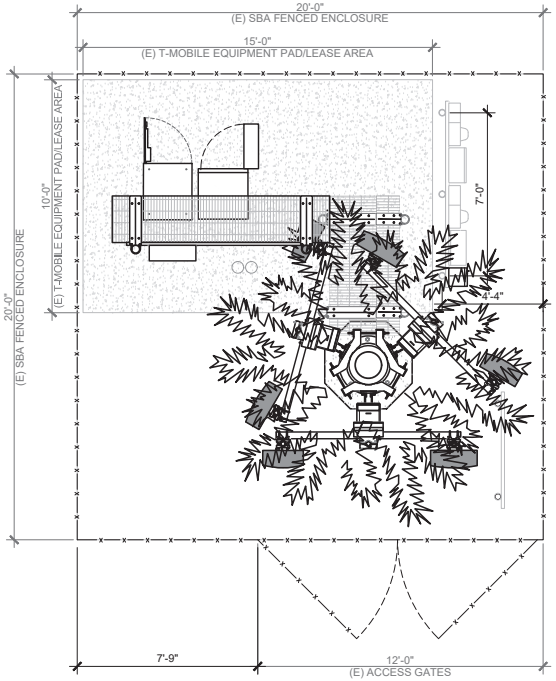
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

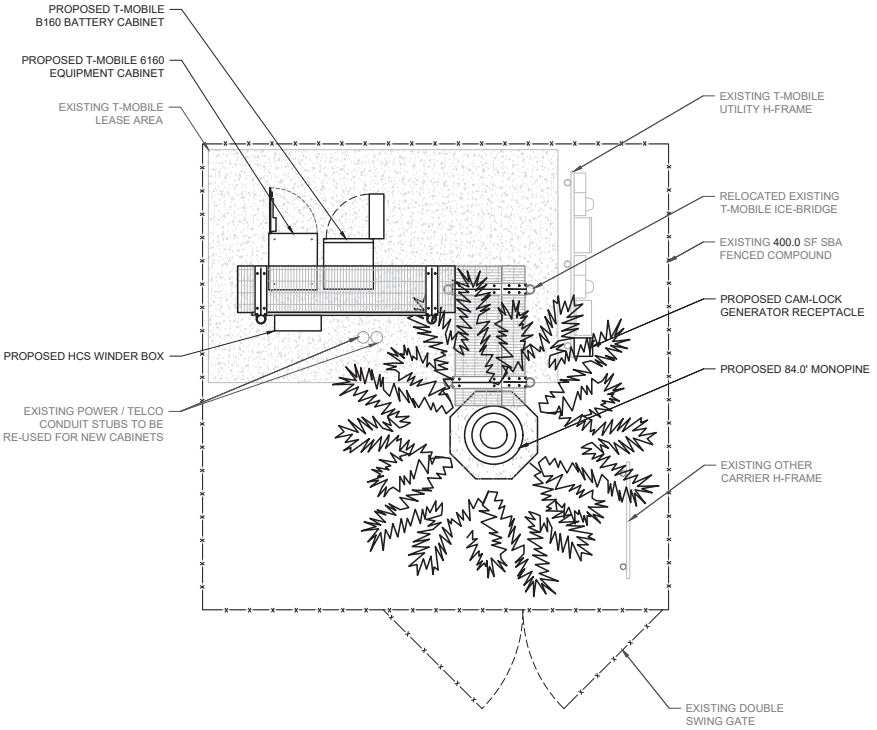
DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
ENLARGED LOCATION PLAN

SHEET NUMBER
LP-2



SITE DIMENSION PLAN



1 ENGINEERING SITE PLAN

PAVEMENT MATERIALS AND QUANTITIES

ACCESS ROAD (EXISTING - NO WORK NEEDED)

LEASE SITE (EXISTING - NO WORK NEEDED)

NOTE:
TOWER FACE WIDTH IS TO BE VERIFIED WITH TOWER MANUFACTURER DRAWINGS PRIOR TO LAYING OUT FOUNDATION.

NOTE:
IN THE EVENT OF SITE ABANDONMENT, THE CITY SHALL FOLLOW THE PROCEDURES OF FMC SECTION 15-5016 – REVOCATION OF PERMITS

NOTE:
EXISTING TOWER TO BE REMOVED. BACKFILL HOLE AND FINISHED TO MATCH EXISTING COMPOUND CONTRACTOR SHALL REPLACE ALL EQUIPMENT DAMAGED DURING THE POLE SWAP

NOTE:
CONTRACTOR SHALL COORDINATE WITH THE CARRIER REGARDING EXTENDING ALL CABLING TO THE RELOCATED EQUIPMENT ON NEW MONO-PINETOWER

NOTE:
THE OWNER/APPLICANT SHALL MAINTAIN THE FENCE/WALL AND ENSURE THE FENCE/WALL IS KEPT FREE OF GRAFFITI AND VANDALISM, AND ANY VISIBLE STRUCTURAL DAMAGE

NORTH

22"x34" SCALE: 3/8" = 1'-0"

2' 1' 0" 2'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

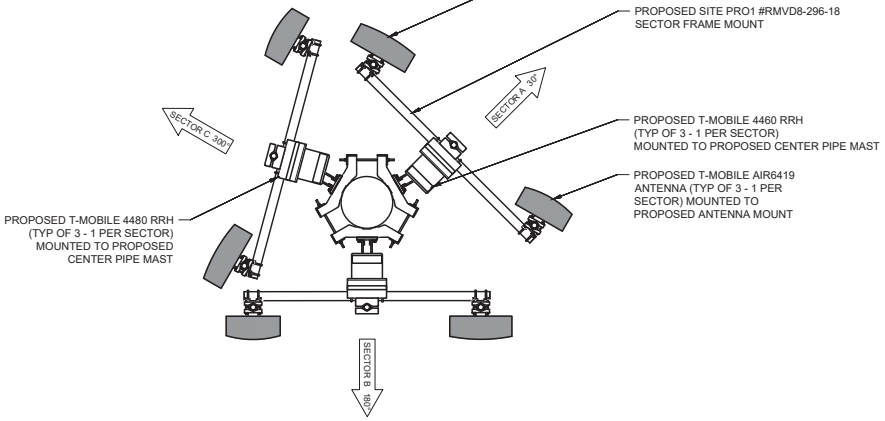
SHEET TITLE
ENGINEERING SITE PLAN

SHEET NUMBER
C-1

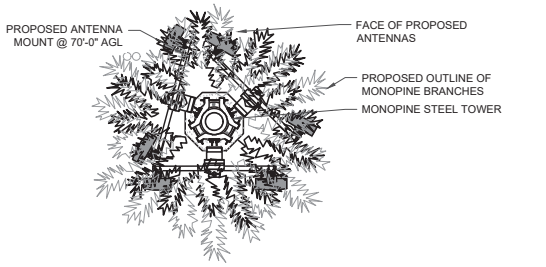
PROPOSED ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE								
ALPHA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH	10' COAX JUMPER
(1) COMMSCOPE FFVV-65C-R3-V1	30°	70.0'	-	ERICSSON RADIO 4480		(1) 6/24 4AWG HYBRID TRUNK	99'	8
-	-	-	-	-	-	-	-	-
(1) ERICSSON AIR6419 B41	30°	70.0'	-	-	-	-	-	-
BETA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH	10' COAX JUMPER
(1) COMMSCOPE FFVV-65C-R3-V1	180°	70.0'	-	ERICSSON RADIO 4480 ERICSSON RADIO 4460	-	(1) 6/24 4AWG HYBRID TRUNK		8
-	-	-	-	-	-	-	-	-
(1) ERICSSON AIR6419 B41	180°	70.0'	-	-	-	-	-	-
GAMMA SECTOR								
ANTENNA MODEL	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH	10' COAX JUMPER
(1) COMMSCOPE FFVV-65C-R3-V1	300°	70.0'	-	ERICSSON RADIO 4480 ERICSSON RADIO 4460	-	-	-	8
-	-	-	-	-	-	-	-	-
(1) ERICSSON AIR6419 B41	300°	70.0'	-	-	-	-	-	-
(1) EXISTING VHLP2-18/B MICROWAVE DISH	70°	64.0'	-	EXISTING (2) AVIAT 600 ODU	-	EXISTING 1/2"	64'	-

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

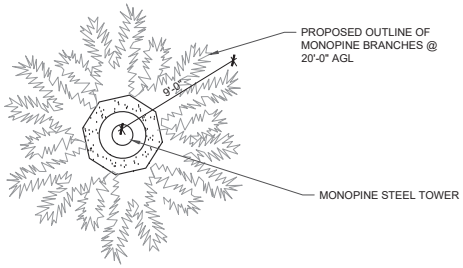
PROPOSED ANTENNA SCHEDULE | 1



PROPOSED 70.0' RAD CENTER



PROPOSED UPPER RADII PLAN



PROPOSED LOWER RADII PLAN

NORTH

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PROPOSED ANTENNA PLAN | 2

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS			
NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	1/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

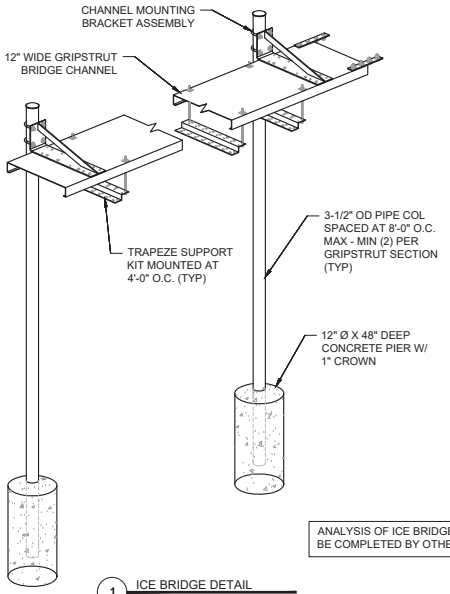
8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
ANTENNA SCHEDULE & PLAN

SHEET NUMBER
C-2

Attachment B

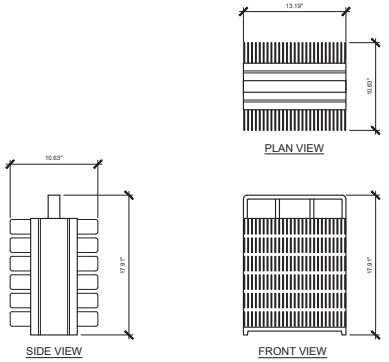


1 ICE BRIDGE DETAIL
N.T.S.

NOTE:

COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

MANUFACTURER: ERICSSON
MODEL: RADIO 4480
HEIGHT: 17.91"
WIDTH: 13.19"
DEPTH: 10.63"
WEIGHT: 73.19 LBS
COLOR: OFF-WHITE

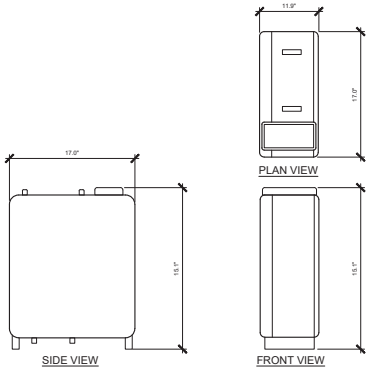


2 4480 RADIO DETAIL
N.T.S.

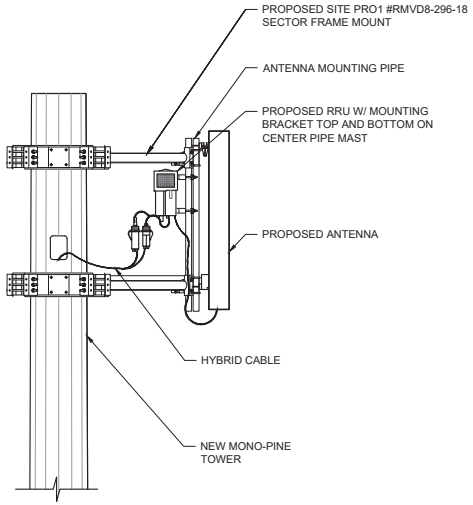
NOTE:

COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

MANUFACTURER: ERICSSON
MODEL: RADIO 4460
HEIGHT: 15.1"
WIDTH: 17.0"
DEPTH: 11.9"
WEIGHT: 104.0 LBS
COLOR: OFF-WHITE



3 4460 RADIO DETAIL
N.T.S.



4 ANTENNA MOUNTING KIT DETAIL
N.T.S.

CFC CHAPTER 12 COMPLIANCE

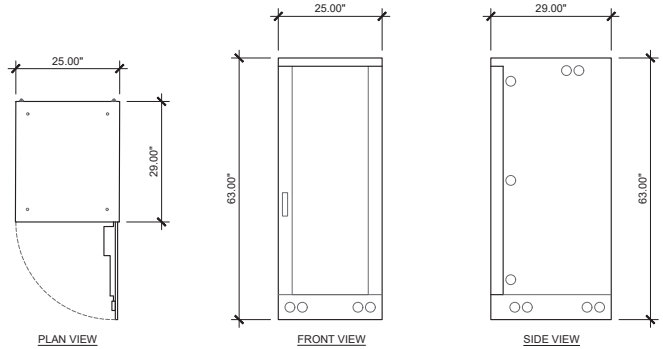
TOTAL KWH = 12 BATTERIES x 2.52 KWH PER BATTERY = 30.24 KWH
(SINCE <70 KWH, CFC CHAPTER 12, SECTION 1206.1 NOT APPLICABLE)

BATTERY INFORMATION

BATTERY MODEL	TOTAL # OF BATTERY UNITS	AMP-HOUR RATING PER UNIT	RATED VOLTAGE PER UNIT
NSB 210 FT RED	12	210AH	12V
KWH PER BATTERY		TOTAL KWH	
AMP-HOUR RATING x RATED VOLTAGE / 1000		KWH PER BATTERY x TOTAL # OF BATTERIES	
210AH x 12V / 1000 = 2.52 KWH		2.52 KWH x 12 = 30.24 KWH	

BATTERY DATA CHART

MANUFACTURER: ERICSSON
MODEL: B160 BATTERY CABINET
HEIGHT: 63.00"
WIDTH: 25.00"
DEPTH: 29.00"
WEIGHT: 401.00 LBS (EMPTY)
WEIGHT: 1985.00 LBS (FULLY LOADED)
COLOR: GRAY



5 PROPOSED B-160 CABINET
N.T.S.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1.800.487.7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

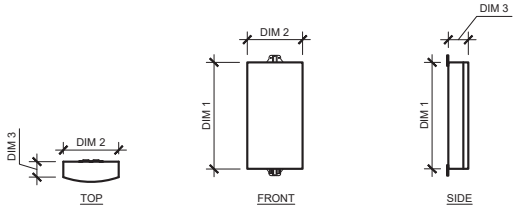
8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SITE DETAILS & SPECIFICATIONS

SHEET NUMBER
C-3

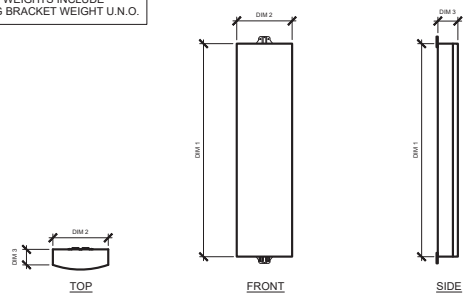
NOTES:
1. INSTALL ANTENNAS PER MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
(P) ERICSSON AIR6419	(1)	36.3"	20.9"	9.0"	83.3 LBS
BETA SECTOR					
(P) ERICSSON AIR6419	(1)	36.3"	20.9"	9.0"	83.3 LBS
GAMMA SECTOR					
(P) ERICSSON AIR6419	(1)	36.3"	20.9"	9.0"	83.3 LBS

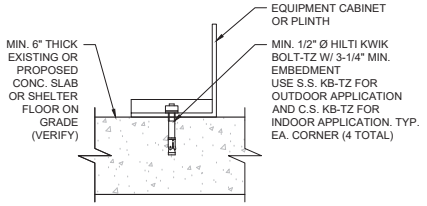
4 ERICSSON AIR6419 B41
N.T.S.

NOTES:
1. INSTALL ANTENNAS PER MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



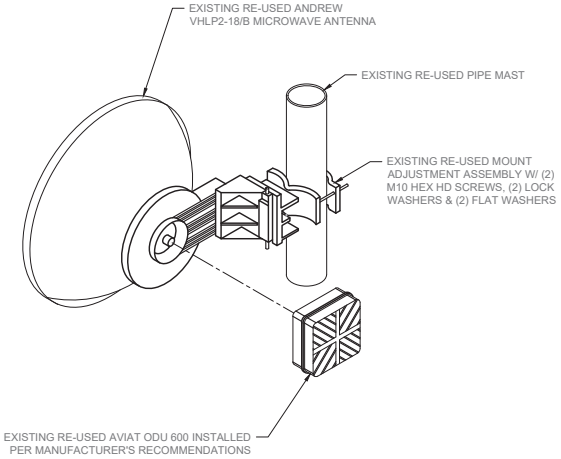
	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
(P) COMMSCOPE FFVV65C-R3-V1 ANTENNA	(1)	95.9"	25.2"	9.3"	124.6 LBS
BETA SECTOR					
(P) COMMSCOPE FFVV65C-R3-V1 ANTENNA	(1)	95.9"	25.2"	9.3"	124.6 LBS
GAMMA SECTOR					
(P) COMMSCOPE FFVV65C-R3-V1 ANTENNA	(1)	95.9"	25.2"	9.3"	124.6 LBS

5 COMMSCOPE FFVV65C-R3-V1 OCTOPORT ANTENNA
N.T.S.



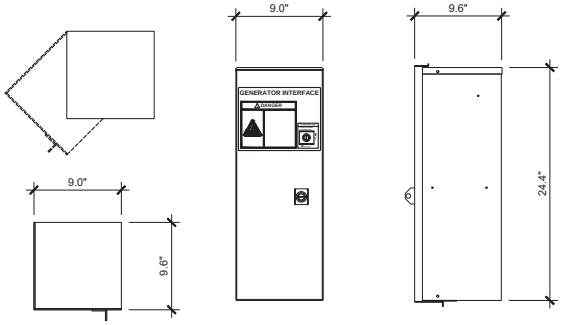
NOTES:
1. THE CONTRACTOR SHALL ACCURATELY LOCATE ALL EXISTING REINFORCING BY X-RAY OR EQUIVALENT METHODS. NO REBAR OR TENDONS SHALL BE CUT. ALL EXPENSES RELATED TO REPAIR OR CUT REBAR OR TENDONS SHALL BE ENTIRELY AT THE EXPENSE OF THE CONTRACTOR.
2. SPECIAL INSPECTION IS REQUIRED FOR (HILTI KWIK BOLT-TZ PER ESR-1917) CONCRETE EXPANSION ANCHORS AGAINST SEISMIC.
3. INSTALLATION OF WEDGE ANCHORS IN MASONRY IS NOT ALLOWED.
4. VERIFICATION OF CABINET ATTACHMENT/ ANCHORAGE TO BE COMPLETED BY OTHERS.

6 CABINET ANCHOR DETAIL
N.T.S.



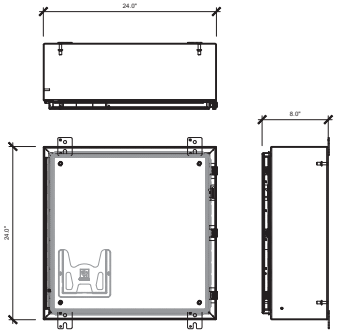
3 VHLP2-18/B M/W ANTENNA W/ AVIAT ODU 600
N.T.S.

GEN. INTERFACE PANEL	
MANUFACTURER	INTERSECT
PART NUMBER	ICL-200A
WEIGHT	19 LBS



2 CAM-LOCK GENERATOR RECEPTACLE
N.T.S.

HOFFMAN WALLMOUNT
HINGED WITH NEMA CLAMPS
HEIGHT: 24.0"
WIDTH: 24.0"
DEPTH: 8.0"
WEIGHT: 51 LBS



1 WINDER BOX
N.T.S.

SBA
SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1.800.487.7483

Acom CONSULTING, INC

REVISIONS			
NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	1/27/23	KM
1	100% FINAL CD SET	11/06/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SITE DETAILS & SPECIFICATIONS

SHEET NUMBER
C-4

Attachment B

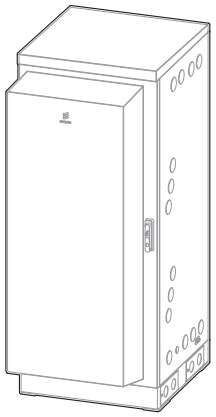
MANUFACTURER:	ERICSSON
MODEL:	6160 SITE SUPPORT CABINET
WEIGHT:	295 LBS (WITHOUT EQUIPMENT)
DIMENSIONS:	25.6"x33.5"x63"

NOTE

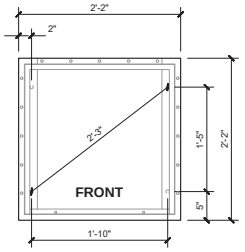
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING

RACK ASSIGNMENT

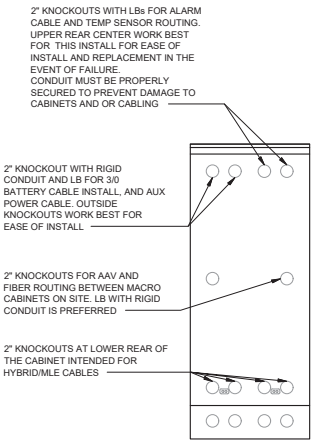
RACK	RU SLOT	DESCRIPTION
FULL RACK	1	RECTIFIER SHELF
	2	
	3	
	4	
	5	RECTIFIER
	6	
	7	FIBER BOX
	8	DCDU
	9	CSR/IXR-e
	10	
	11	1ST BASEBAND
	12	2ND BASEBAND
	13	3RD BASEBAND
	14	4TH BASEBAND
	15	5TH BASEBAND
	16	6TH BASEBAND
	17	7TH BASEBAND
	18	8TH BASEBAND
	19	
	20	LEGACY BASEBAND
	21	
	22	PSU 4813
	23	
	24	
	25	



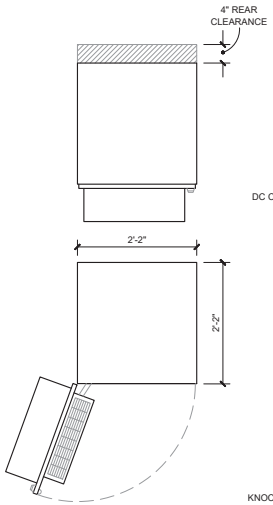
ISO VIEW



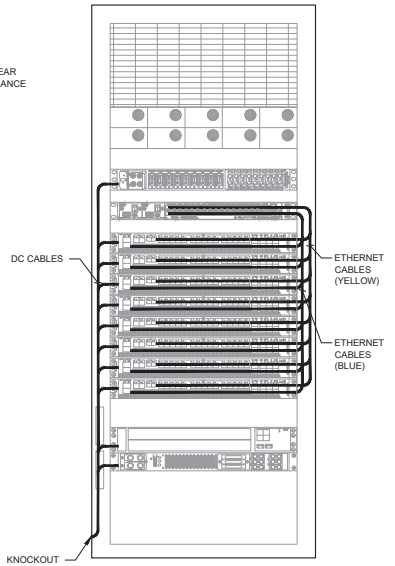
FRONT



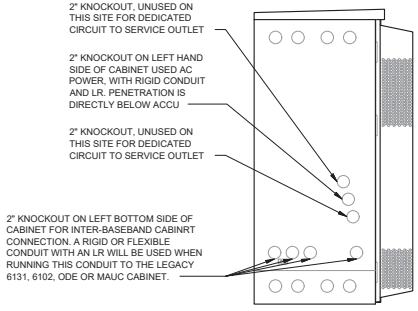
REAR VIEW



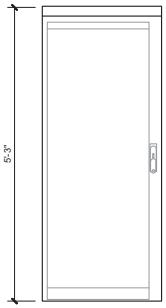
PLAN VIEW



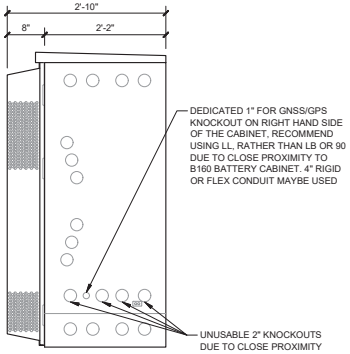
INTERNAL ROUTING



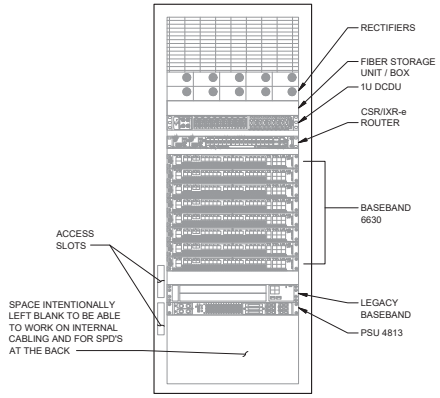
LEFT VIEW



FRONT VIEW



RIGHT VIEW



FRONT VIEW (OPEN)

1 CABINET DETAIL
N.T.S.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/1/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

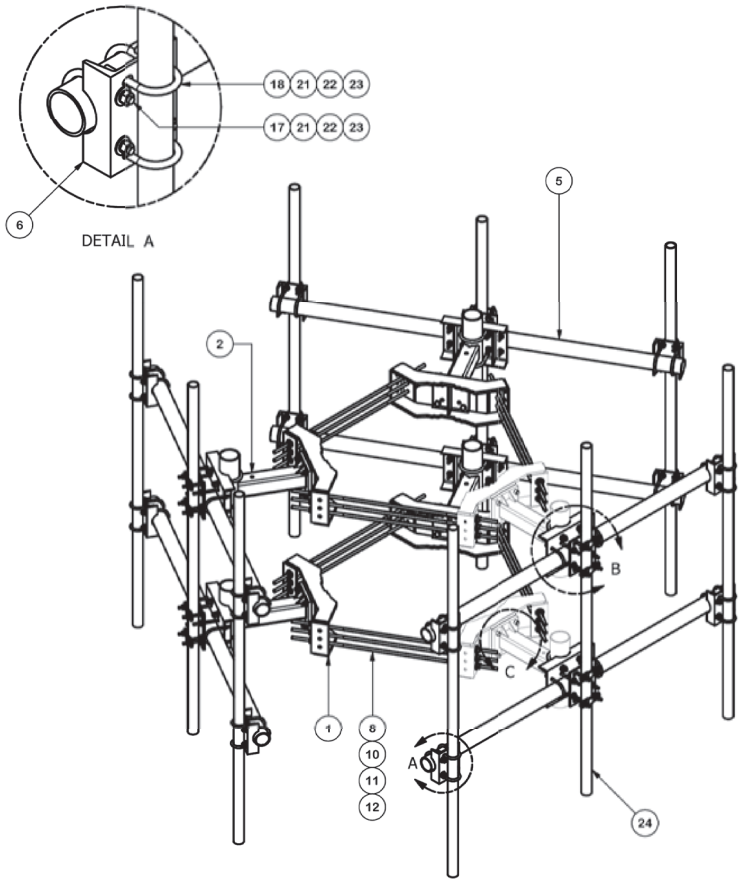
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

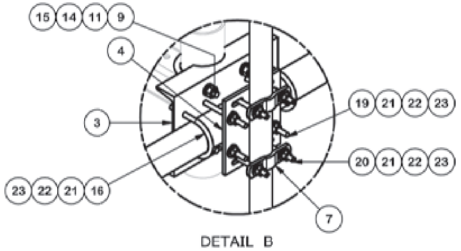
DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SITE DETAILS & SPECIFICATIONS

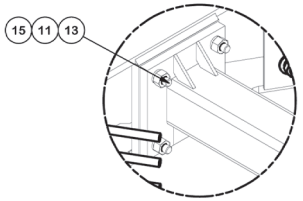
SHEET NUMBER
C-5



PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	6	X-LWRM	RING MOUNT WELDMENT		68.81	412.85
2	6	X-SV197-18	SUPPORT ARM WELDMENT - 18"		45.69	274.15
3	6	X-SP216	LARGE SUPPORT CROSS PLATE		22.08	132.46
4	6	SCX3	CROSSOVER PLATE	9.250 in	7.19	43.13
5	6	P396	3-1/2" X 96" (3" SCH 40) GALVANZIED PIPE	96.000 in	60.75	364.49
6	12	X-SP219	SMALL SUPPORT CROSS PLATE	8.250 in	8.61	103.33
7	12	X-100064	CLAMP (4" V-CLAMP) GALVANIZED		0.92	11.06
8	18	G58R-48	5/8" X 48" GALV THREADED ROD		4.39	79.03
8	18	G58R-24	5/8" x 24" THREADED ROD (HDG.)		2.09	37.63
9	12	X-UB5458	5/8" X 4-5/8" X 7" X 3" U-BOLT (HDG.)		1.54	18.42
10	36	G58FW	5/8" HDG USS FLATWASHER	.122	0.07	2.54
11	84	G58LW	5/8" HDG LOCKWASHER		0.03	2.19
12	36	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	4.68
13	24	A58234	5/8" x 2-3/4" HDG A325 HEX BOLT	2.75	0.36	8.54
14	24	A58FW	5/8" HDG A325 FLATWASHER		0.03	0.82
15	48	A58NUT	5/8" HDG A325 HEX NUT		0.13	6.23
16	12	X-UB1358	1/2" X 3-5/8" X 5-1/2" X 3" U-BOLT (HDG.)		0.77	9.27
17	24	X-UB1306	1/2" X 3-5/8" X 6" X 3" U-BOLT (HDG.)		0.83	19.88
18	24	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.63	15.00
19	24	G12R-8	1/2" x 8" THREADED ROD (HDG.)		0.45	10.71
20	24	G12045	1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD	4.5	0.30	7.15
21	216	G12FW	1/2" HDG USS FLATWASHER	0.095	0.03	7.36
22	192	G12LW	1/2" HDG LOCKWASHER	.125	0.01	2.67
23	192	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	13.75
24	9	A	B	C	D	E



DETAIL B



DETAIL C

TABLE					
"ASSEMBLY NO."	PART NO. "A"	PART DESCRIPTION "B"	LENGTH "C"	UNIT WT. "D"	TOTAL WT.
RMVD8-296-18	P296	2-3/8" O.D. SCH. 40 PIPE	96"	29.22	1,880.76
RMVD8-2120-18	P2120	2-2/8" O.D. SCH. 40 PIPE	120"	36.53	1,936.65

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES *(± 0.030")*
DRILLED AND GAS CUT HOLES *(± 0.030")* - NO CONING OF HOLES
LASER CUT EDGES AND HOLES *(± 0.010")* - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING *(± 0.030")*
ALL OTHER ASSEMBLY *(± 0.060")*

DESCRIPTION
8' DOUBLE MONOPOLE TRIPLE T-ARM
W/ 2-3/8" ANTENNA PIPES & 18" STANDOFF

SITE PRO 1 — A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	CMFL 11/23/2021	11/13/2020	RMVD8-2XX-18	1 OF 2
CLASS / SUB: 87 / 02	DRAWING USAGE: CUSTOMER	CHECKED BY: BMC 11/13/2020	DWG. NO.: RMVD8-2XX-18	

1 ANTENNA MOUNT DETAIL
N.T.S.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

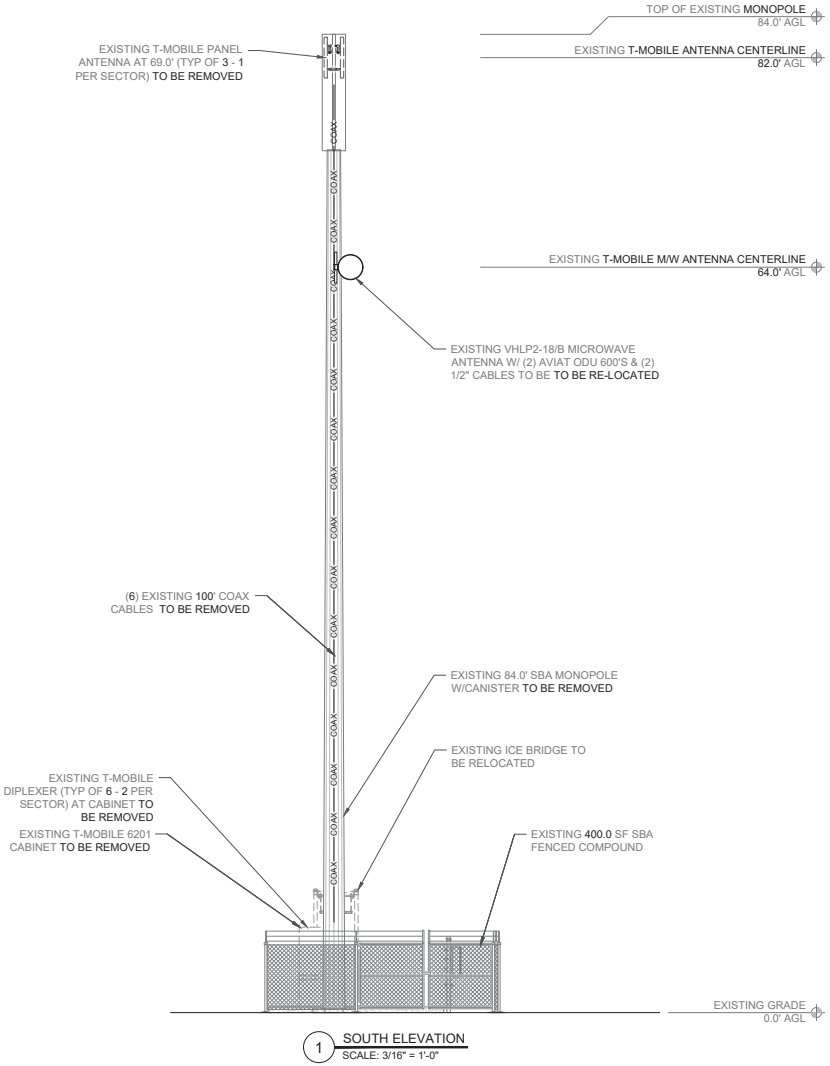
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SITE DETAILS & SPECIFICATIONS

SHEET NUMBER
C-6



1 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

NOTE:

1. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
2. PROPOSED MOUNTING HARDWARE, CABLING, ANCILLARY EQUIPMENT AND ANTENNAS ARE TO BE PAINTED TO MATCH IF REQUIRED. VERIFY PAINT COLOR WITH LANDLORD AND/OR T-MOBILE REPRESENTATIVE.
3. ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
4. TOWER AND FOUNDATION STRUCTURAL ANALYSIS/DESIGN FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
5. CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.

22"x34" SCALE: 3/16" = 1'-0"

4' 2' 0" 4'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

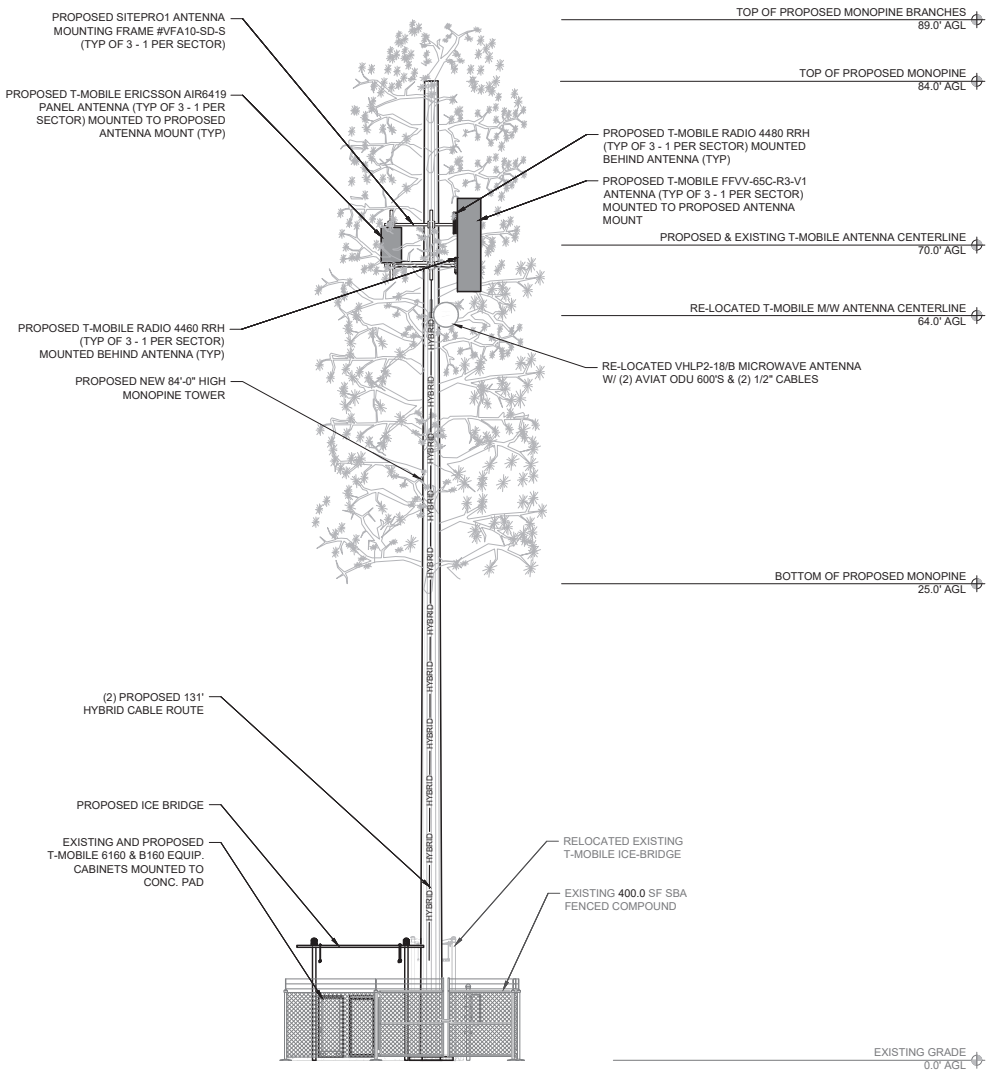
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
EXISTING SITE ELEVATION

SHEET NUMBER
ANT-1



1 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

22"x34" SCALE: 3/16" = 1'-0"

4' 2' 0" 4'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

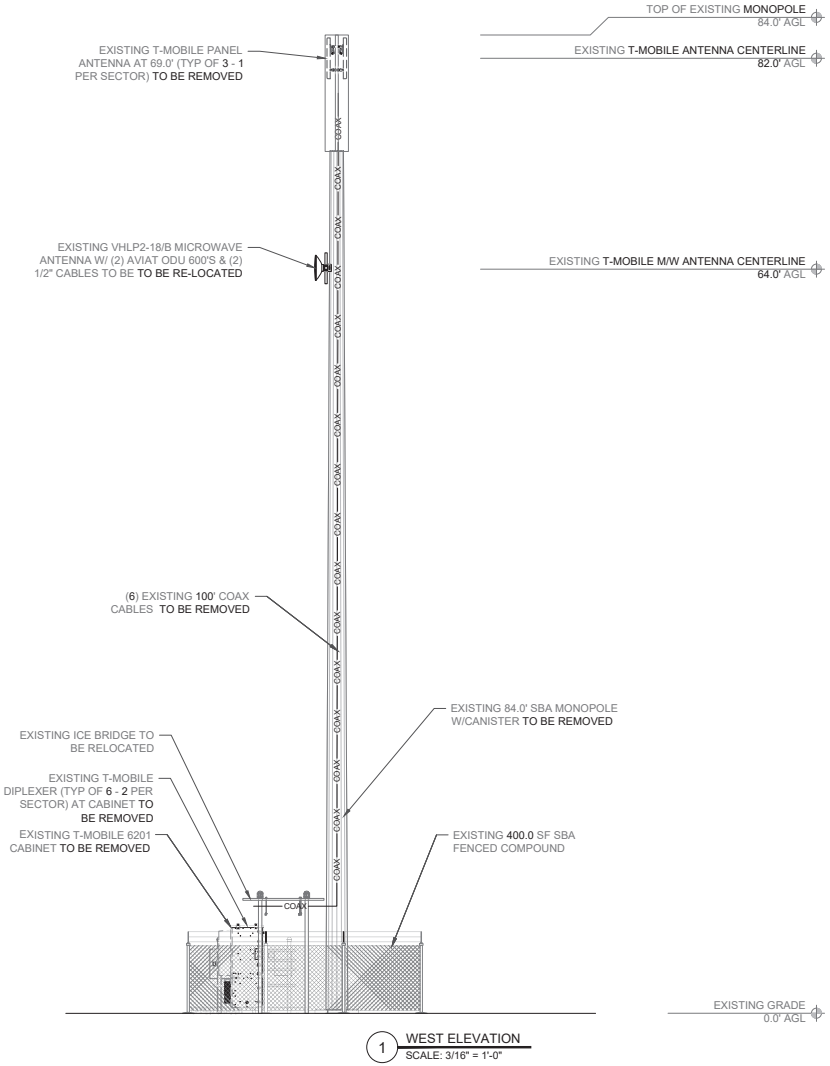
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
PROPOSED SITE ELEVATION

SHEET NUMBER
ANT-2



1 WEST ELEVATION
SCALE: 3/16" = 1'-0"

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

NOTE:

1. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
2. PROPOSED MOUNTING HARDWARE, CABLING, ANCILLARY EQUIPMENT AND ANTENNAS ARE TO BE PAINTED TO MATCH IF REQUIRED. VERIFY PAINT COLOR WITH LANDLORD AND/OR T-MOBILE REPRESENTATIVE.
3. ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
4. TOWER AND FOUNDATION STRUCTURAL ANALYSIS/DESIGN FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
5. CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.

22"x34" SCALE: 3/16" = 1'-0"
4' 2' 0" 4'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

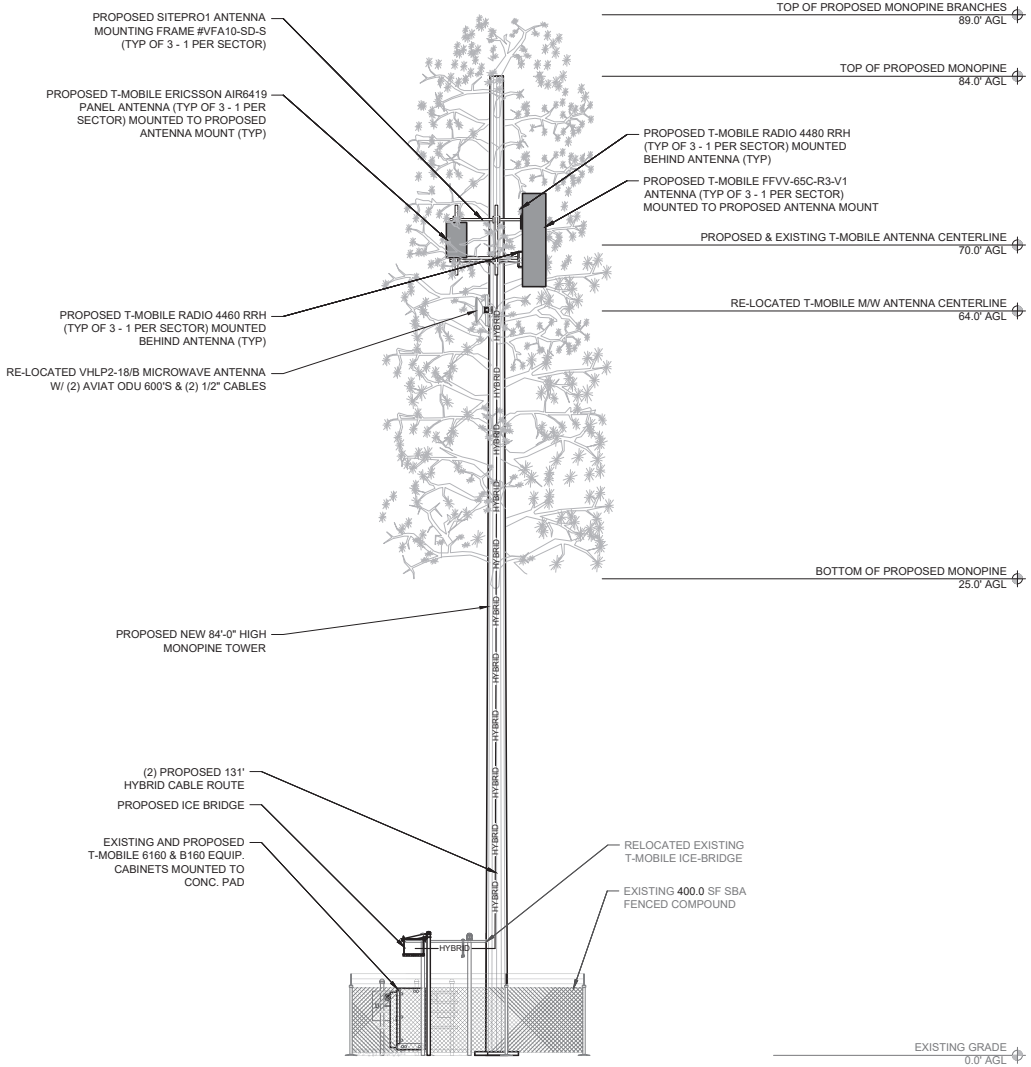
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
EXISTING SITE ELEVATION

SHEET NUMBER
ANT-3



22"x34" SCALE: 3/16" = 1'-0"

4' 2' 0" 4'

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
PROPOSED SITE ELEVATION

SHEET NUMBER
ANT-4

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE, LATEST ADOPTED EDITION, AND LOCAL CODES. THE CONTRACTORS SHALL FURNISHED AND PAY FOR ALL PERMITS AND RELATED FEES.
2. ALL ELECTRICAL MATERIALS, EQUIPMENT AND INSTALLATION PROCEDURES TO CONFORM WITH SBA SPECIFICATIONS.
3. CONTRACTOR SHALL PERFORM ALL VERIFICATION TESTS AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ENGINEER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT & DISCREPANCIES.
4. ELECTRICAL PLANS, DETAILS, AND DIAGRAMS ARE DIAGRAMMATIC ONLY. FIELD CONDITIONS DICTATE THE AMOUNT AND LOCATION OF EQUIPMENT.
5. ALL MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NFPA, AND "UL" LISTED.
6. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY THE NEC, AND ALL APPLICABLE LOCAL CODES.
7. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE A MINIMUM INTERRUPTING RATING GREATER THAN THE UTILITY FAULT CURRENT.
8. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT REFER TO VENDOR PRINTS AND INSTRUCTIONS.
9. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
10. PROVIDE SBA WITH ONE SET OF COMPLETE ELECTRICAL "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE JOB SHOWING ACTUAL ROUTINGS AND WIRING CONNECTIONS.
11. LABEL ALL ELECTRICAL EQUIPMENT PER SBA SPECIFICATIONS.
12. ALL SINGLE-PHASE SELF-CONTAINED METER CONNECTION DEVICES MUST INCLUDE HORN TYPE BY-PASS PROVISION SO THAT SERVICE WILL NOT BE INTERRUPTED WHEN A METER IS REMOVED FROM THE SOCKET.
13. ALL EQUIPMENT PUNCH OUTS AND CONDUITS (USED AND SPARE) TO BE "RODENT PROOFED" WITH CAPS, STEEL MESH, AND/OR FOAM FILL BY CONTRACTOR (AS NEEDED).
14. ALL INTERIOR CONDUITS AND BUSHINGS SHALL BE EMT. ALL EXTERIOR SHALL BE PVC UNLESS NOTED OTHERWISE. SEE SBA SPECIFICATIONS.
15. NO SPOILS TO BE LEFT ON SITE WITHOUT THE WRITTEN CONSENT OF THE LANDOWNER
16. CONTRACTOR TO PROVIDE 2 PHENOLIC LABELS AT METER. ONE TO IDENTIFY "SBA DISCONNECT" AND THE OTHER TO GIVE SITE ADDRESS.
17. ALL EQUIPMENT AND MATERIAL FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE UNDERWRITERS LABORATORIES (U.L.) LISTED, NEW, FREE FROM DEFECTS, AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
18. ELECTRICAL WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE ELECTRICAL POWER AND LIGHTING SYSTEMS, TELEPHONE AND COMMUNICATION SYSTEMS, PANEL BOARDS, CONDUIT, CONTROL WIRING, GROUNDING, ETC. AS INDICATED ON ELECTRICAL DRAWINGS AND/OR AS REQUIRED BY GOVERNING CODES.
19. PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY EXISTING SITE LOCATIONS AND CONDITIONS AND UTILITY SERVICE REQUIREMENTS OF THE JOB, AND BY REFERENCE TO ARCHITECTURE AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
20. PROVIDE POWER AND TELEPHONE TO SERVICE POINTS PER UTILITY COMPANY REQUIREMENTS. CONTRACTOR SHALL CONTACT UTILITY SERVICE PLANNERS AND OBTAIN ALL SERVICE REQUIREMENTS AND INCLUDE COSTS FOR SUCH IN HIS BID.
21. SERVICE EQUIPMENT SHALL HAVE A SHORT CIRCUIT WITHSTAND RATING EQUAL TO OR EXCEEDING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SUPPLY TERMINAL. THE INSTALLATION SHALL BE FREE FROM ANY SHORT CIRCUITS AND GROUNDS.
22. ALL WIRING SHALL BE COPPER WITH THHN/THWN DUAL RATED 600 VOLTS INSULATION.
23. IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN ITEMS SHOWN ON THE PLANS AND/OR SPECIFICATIONS, THE NOTE, SPECIFICATION OR CODE WHICH PRESCRIBES AND ESTABLISHES THE HIGHEST STANDARD OF PERFORMANCE SHALL PREVAIL.
24. SERVICE CONDUITS SHALL HAVE NO MORE THAN (2) -90° BENDS IN ANY SINGLE RUN. THE CONTRACTOR SHALL PROVIDE PULL BOXES AS NEEDED WHERE CONDUIT REQUIREMENTS EXCEED THESE CONDITIONS.
25. ALL ELECTRICAL EQUIPMENT SHALL BE ANCHORED TO WITHSTAND 100 M.P.H. WIND SPEED AND DESIGNED FOR EXPOSURE C.
26. ALL COAX, POWER AND TELEPHONE SYSTEM CONDUITS SHALL HAVE A MINIMUM 24" RADIUS SWEEPS TO EQUIPMENT, PULLBOXES, MONO-PINE, ETC., UNLESS OTHERWISE NOTED, OR AS REQUIRED BY UTILITY COMPANIES.
27. FUSE TYPE SHALL BE BUSSMAN RKI LOW PEAK FUSE (LPU-RK-100).
28. CONTRACTOR TO PROVIDE GUTTER TAP(S) AS REQUIRED.
29. CONTRACTOR TO COLOR PHASE CONDUCTORS BLACK (B PHASE), RED (A PHASE), WHITE (NEUTRAL), AND GREEN (GROUND).

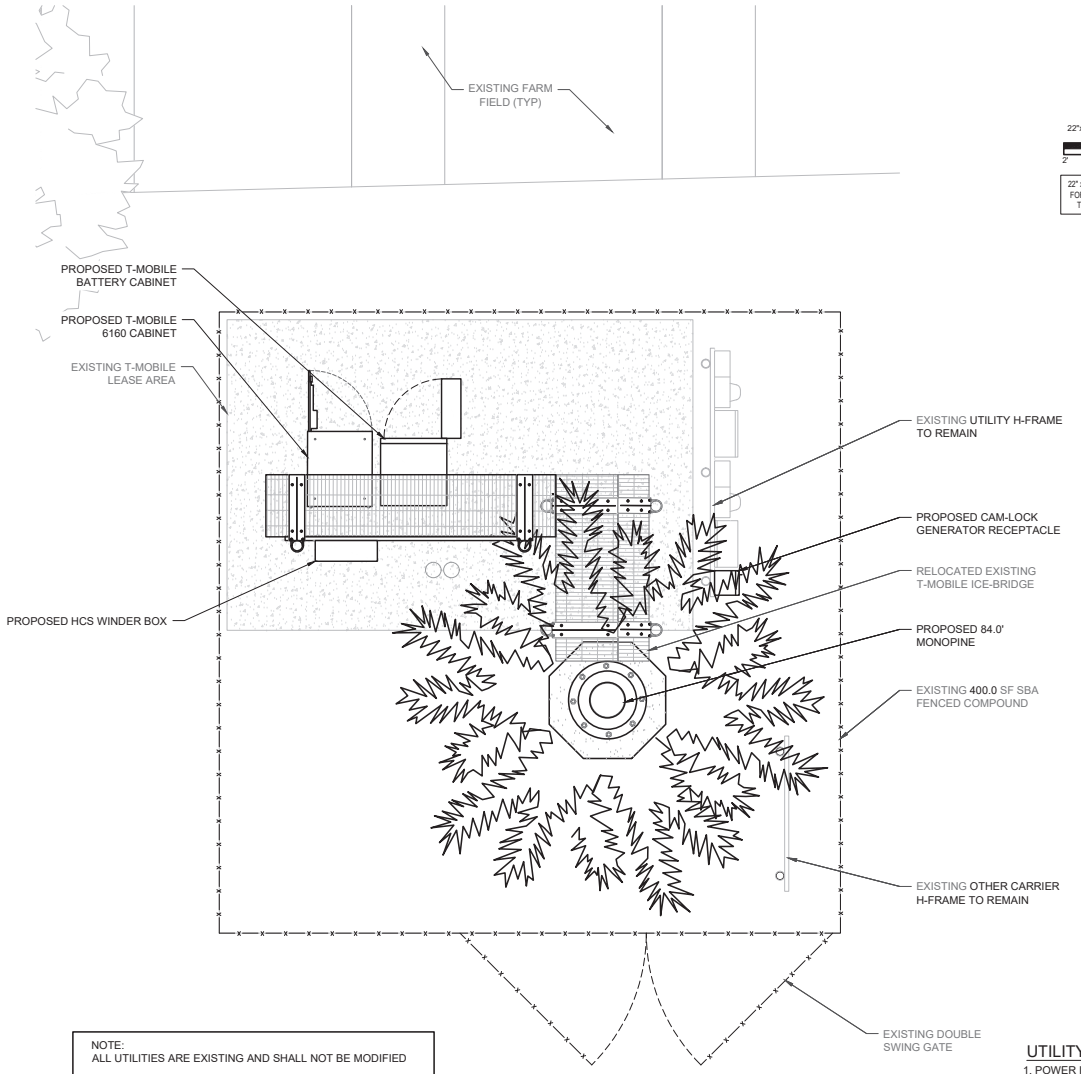
CODES AND STANDARDS

ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
NEC	NATIONAL ELECTRICAL CODE, LATEST ADOPTED EDITION
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
UL	UNDERWRITERS LABORATORIES, INC.

UTILITY PROVIDE INFORMATION

POWER COMPANY: POWER COMPANY NAME
CONTACT: CONTACT NAME
PHONE: (XXX) XXX-XXXX

FIBER COMPANY: FIBER COMPANY NAME
CONTACT: CONTACT NAME
PHONE: (XXX) XXX-XXXX



NOTE:
ALL UTILITIES ARE EXISTING AND SHALL NOT BE MODIFIED

1 UTILITY ROUTING PLAN

NORTH

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

22" x 34" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

UTILITY NOTES:

1. POWER IS EXISTING AND WILL NOT BE MODIFIED

FIBER NOTES

1. FIBER IS EXISTING AND WILL NOT BE MODIFIED

NOTE:
LINES SHOWN DO NOT REPRESENT THE EXACT LOCATION OF THE CONDUIT RUNS CONTRACTOR TO VERIFY SERVICE LOCATIONS w/ACTUAL FIELD CONDITIONS.

SBA
SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

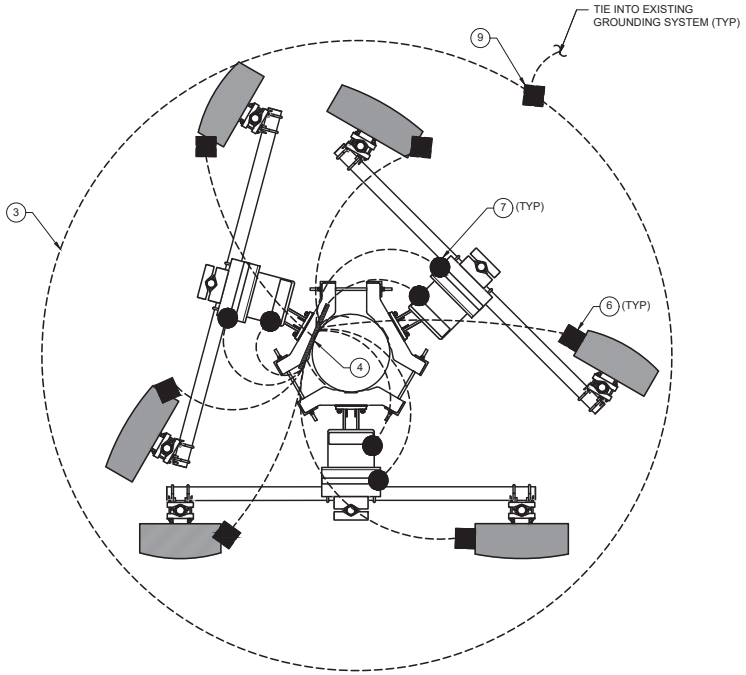
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
UTILITY ROUTING PLAN

SHEET NUMBER
E-1



1 SITE GROUNDING PLAN
SCALE: N.T.S.

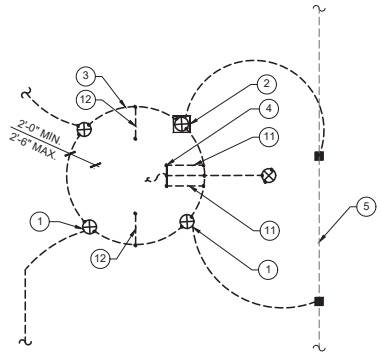
NOTE:
THE GROUNDING SYSTEM IS EXISTING. CONTRACTOR SHALL TIE THE NEW TOWER GROUND RING INTO THE EXISTING SYSTEM PER SBA GROUNDING STANDARDS.

BALLOON REFERENCE NOTES:

1. 5/8"Øx8' COPPER CLAD GROUND ROD BURIED 42" BELOW GRADE (MIN.)
2. GROUND ROD ACCESS WELL (MIN. OF 2 EACH PER COMPOUND)
3. #2 SOLID, TINNED, BARE COPPER WIRE TOWER GROUND RING (CONTINUOUS STRAND). TOWER GROUND RING SHOULD BE INSTALLED A MINIMUM TWO FEET OFF OF ANY STRUCTURE
4. 1/4"X4"X20" TINNED COPPER GROUND BAR. 2 TYP, AT BASE AND TOP OF TOWER. MOUNT DIRECT TO TOWER, DO NOT ISOLATE.
5. EXISTING COMPOUND GROUND RING
6. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO ANTENNA
7. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO RRU
8. PROVIDE #2 SBTC BOND FROM ICE BRIDGE TO EXISTING GROUND RING
9. PROVIDE (1) #2 SBTC GROUND LEAD FROM PROPOSED MONOPINE TOWER RING TO STEEL ICE BRIDGE POST PER GROUNDING STANDARDS. BOND ALL ADJACENT POSTS.
10. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO DIPLEXERS
11. #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM GROUND BAR AT MONO-PINE TOWER BASE TO GROUND RING. ROUTE IN 3/4" FLEX CONDUIT AND WEATHERPROOF OPEN END. (2 TYPICAL)
12. #2 SOLID, TINNED, BARE COPPER GROUND LEAD FROM MONO-PINE TOWER BASE TO GROUND RING. (2 TYPICAL, 180° SEPARATION)
13. PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO TMA'S

SYMBOLS LEGEND

GROUND ROD WITH ACCESS	MECHANICAL CONNECTION
GROUND ROD	GROUND BAR
EXOTHERMIC CONNECTION	GROUND WIRE



2 TOWER GROUNDING PLAN
SCALE: N.T.S.

2 | PROPOSED MONOPINE TOWER BASE GROUNDING

SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
8051 CONGRESS AVENUE
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

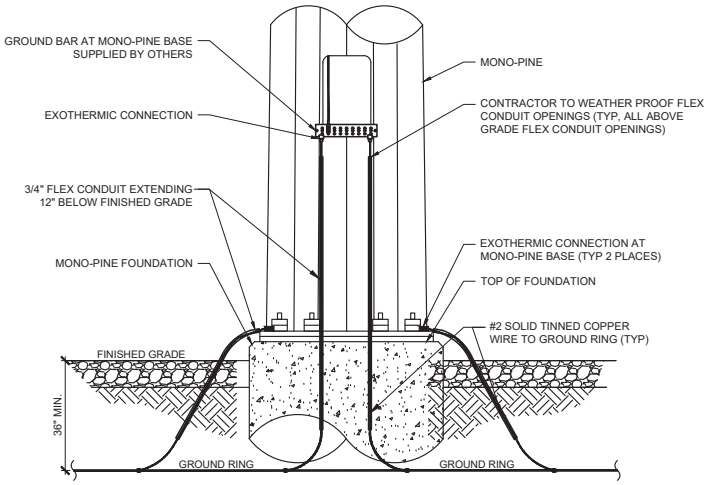
SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SITE GROUNDING PLAN (MONO-PINE TOWER)

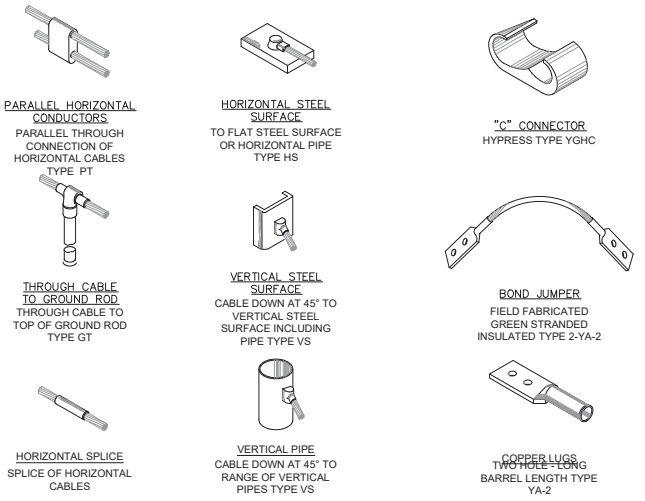
SHEET NUMBER
E-2



1 GROUNDING @ TOWER BASE
N.T.S.

CADWELD CONNECTIONS
(OR APPROVED EQUAL)

BURNDY CONNECTIONS
(OR APPROVED EQUAL)



PARALLEL HORIZONTAL CONDUCTORS
PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES TYPE PT

HORIZONTAL STEEL SURFACE
TO FLAT STEEL SURFACE OR HORIZONTAL PIPE TYPE HS

"C" CONNECTOR
HYPRESS TYPE YGHC

THROUGH CABLE TO GROUND ROD
THROUGH CABLE TO TOP OF GROUND ROD TYPE GT

VERTICAL STEEL SURFACE
CABLE DOWN AT 45° TO VERTICAL STEEL SURFACE INCLUDING PIPE TYPE VS

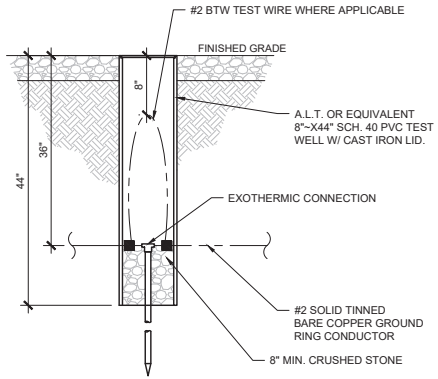
BOND JUMPER
FIELD FABRICATED GREEN STRANDED INSULATED TYPE 2-YA-2

HORIZONTAL SPLICE
SPLICE OF HORIZONTAL CABLES

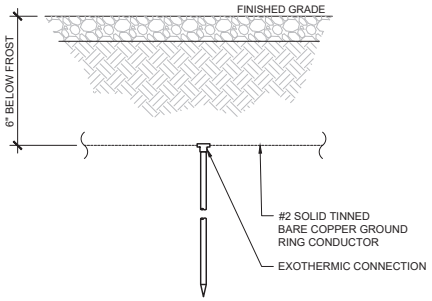
VERTICAL PIPE
CABLE DOWN AT 45° TO RANGE OF VERTICAL PIPES TYPE VS

COPPER LUGS
TWO HOLE - LONG BARREL LENGTH TYPE YA-2

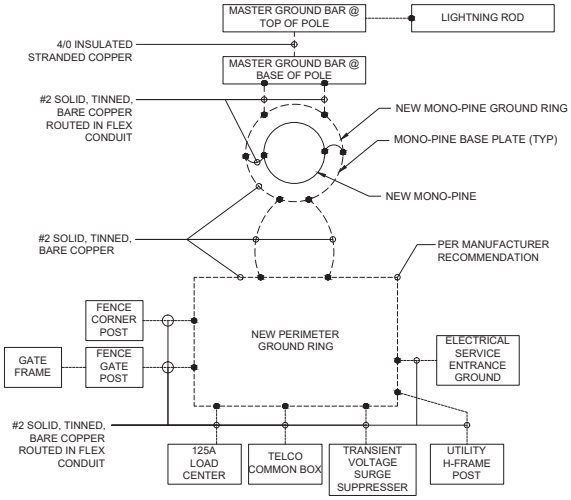
2 TYPICAL WELDING CONNECTIONS
N.T.S.



3 ACCESS WELL DETAIL
N.T.S.



4 GROUNDING ROD DETAIL
N.T.S.



5 GROUNDING SCHEMATIC
N.T.S.

SBA
SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
ELECTRICAL AND GROUNDING DETAILS (MONO-PINE TOWER)

SHEET NUMBER
E-3

120/240V 1Ø 3-WIRE
MAIN CB: 2P/200A

LOAD CENTER PANEL SCHEDULE

MOUNTING: SURFACE
NEMA: 3R
LOCATION: LEASE AREA

VOLT AMPS PHASE A	VOLT AMPS PHASE B	DESCRIPTION	POLE	BRKR.	CIRCUIT			CIRCUIT	BRKR.	POLE	DESCRIPTION	VOLT AMPS PHASE A	VOLT AMPS PHASE B
-		SERVICE DISCONNECT	2	200					200	2	GEN. SERVICE DISCONNECT	-	
	-												-
-	-	TVSS	2	60	1	●	2	15	1	GFCI		180	-
-	-				3	●	4	60	2	RBS 6102		-	4500
150	-	LIGHT	1	20	5	●	6					4500	-
-	-	SPACE	1	-	7	●	8	50	2	UMTS		-	3500
-	-	SPACE	1	-	9	●	10					3500	-
-	-	SPACE	1	-	11	●	12	-	1	SPACE		-	-
-	-	SPACE	1	-	13	●	14	-	1	SPACE		-	-
-	-	SPACE	1	-	15	●	16	-	1	SPACE		-	-
-	-	SPACE	1	-	17	●	18	-	1	SPACE		-	-
-	-	SPACE	1	-	19	●	20	-	1	SPACE		-	-
-	-	SPACE	1	-	21	●	22	-	1	SPACE		-	-
-	-	SPACE	1	-	23	●	24	-	1	SPACE		-	-
150	-				VA/LINE							8,180	8,000

PHASE A = 8,330 PHASE B = 8,000

TOTAL CONNECTED LOAD: 16,330 VA
TOTAL DESIGN AMPS: 68.1A

1 EXISTING PANEL SCHEDULE
N.T.S.

120/240V 1Ø 3-WIRE
MAIN CB: 2P/200A

LOAD CENTER PANEL SCHEDULE

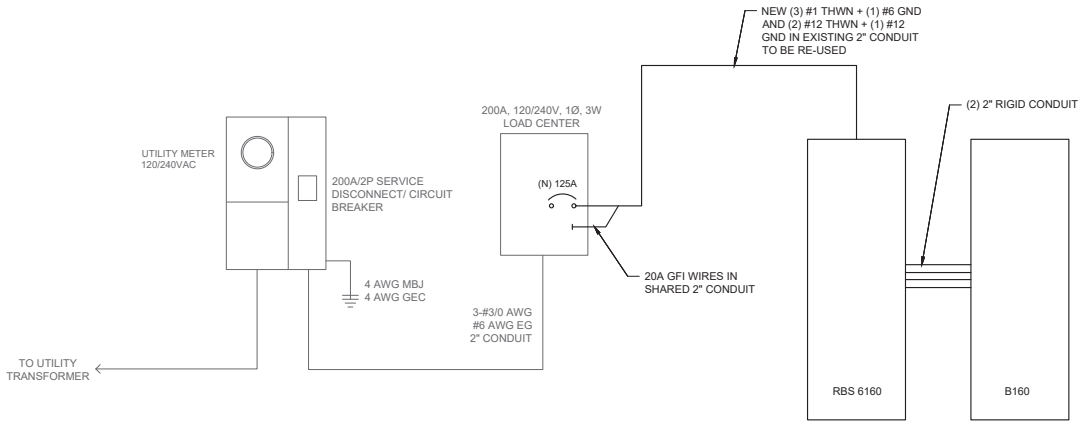
MOUNTING: SURFACE
NEMA: 3R
LOCATION: LEASE AREA

VOLT AMPS PHASE A	VOLT AMPS PHASE B	DESCRIPTION	POLE	BRKR.	CIRCUIT			CIRCUIT	BRKR.	POLE	DESCRIPTION	VOLT AMPS PHASE A	VOLT AMPS PHASE B
-		SERVICE DISCONNECT	2	200					200	2	GEN. SERVICE DISCONNECT	-	
	-												-
-	-	TVSS	2	60	1	●	2	15	1	GFCI		180	-
-	-				3	●	4	125	2	125A RBS 6160 + 20A GFI TO RBS 6160		-	9600
150	-	LIGHT	1	20	5	●	6					9600	-
-	-	SPACE	1	-	7	●	8	50	2	UMTS		-	3500
-	-	SPACE	1	-	9	●	10					3500	-
-	-	SPACE	1	-	11	●	12	-	1	SPACE		-	-
-	-	SPACE	1	-	13	●	14	-	1	SPACE		-	-
-	-	SPACE	1	-	15	●	16	-	1	SPACE		-	-
-	-	SPACE	1	-	17	●	18	-	1	SPACE		-	-
-	-	SPACE	1	-	19	●	20	-	1	SPACE		-	-
-	-	SPACE	1	-	21	●	22	-	1	SPACE		-	-
-	-	SPACE	1	-	23	●	24	-	1	SPACE		-	-
150	-0-				VA/LINE							13,280	13,100

PHASE A = 13,430 PHASE B = 13,100

TOTAL CONNECTED LOAD: 26,530 VA
TOTAL DESIGN AMPS: 110.2A

2 PROPOSED PANEL SCHEDULE
N.T.S.



3 ELECTRICAL SINGLE-LINE DIAGRAM
N.T.S.

SBA
SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
SINGLE LINE DIAGRAM & PANEL SCHEDULE (UN-LIT)

SHEET NUMBER
E-4

Attachment B

GENERAL NOTES

1. ALL REFERENCES TO OWNER HEREIN SHALL BE CONSTRUED TO MEAN SBA OR IT'S DESIGNATED REPRESENTATIVE.
2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY. THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE AND/OR COUNTY IN WHICH IT IS TO BE PERFORMED.
3. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
4. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
5. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
6. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE TESTING AGENCY PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
7. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
9. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOCAL BUILDING CODE.
10. ALL PROPOSED CELLULAR EQUIPMENT AND FIXTURES SHALL BE FURNISHED BY OWNER FOR INSTALLATION BY THE CONTRACTOR, UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
12. RADIO EQUIPMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
13. CONTRACTOR TO VERIFY ALL ASPECTS OF THE EXISTING SITE, INCLUDING THE EXISTING MONOPOLE FOUNDATION AND ANCHOR RODS, TO VERIFY THE CONDITION AND SIZE OF ALL EXISTING ELEMENTS AND SHALL NOTIFY THE EOR SHOULD ANY DAMAGE OR DETERIORATION, OR DISCREPANCIES BETWEEN THE EXISTING STRUCTURE AND THAT SHOWN ON THE APPROVED STUCTURAL DRAWINGS BE FOUND.

STRUCTURAL NOTES

1. DESIGN REQUIREMENTS PER LOCAL BUILDING CODE AND THE E1A/TIA-222-GH STRUCTURAL STANDARDS FOR STEEL ANTENNAS TOWERS AND SUPPORTING STRUCTURES.
2. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF A.I.S.C. SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE A.I.S.C. CODE OF STANDARD PRACTICE.

STRUCTURAL NOTES

2. STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE 8. ALL STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500 GRACE 8. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
3. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY (AWS) D.1.1-96. STRUCTURAL WELDING CODE-STEEL WELD ELECTRODES SHALL BE E70XX.
4. ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
5. NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY NORTH AND INFORM OWNER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
6. ALL CAST IN PLACE CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 AND AC1 301, AND SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI (U.O.N.). CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL UNLESS OTHERWISE NOTED. MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 80, DEFORMED BILLET STEEL BARS. WELDED WIRE FABRIC REINFORCING SHALL CONFORM TO ASTM A185.
8. THE FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST A.I.S.C. SPECIFICATIONS.
9. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE STEEL FABRICATOR IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
10. HOT-DIP GALVANIZE ITEMS SPECIFIED TO BE ZINC-COATED. AFTER FABRICATION WHERE PRACTICAL. GALVANIZING: ASTM A 123, ASTM A 153/A 153M OR ASTM A 653/A 653M, G90, AS APPLICABLE.
11. REPAIR DAMAGED SURFACES WITH GALVANIZING REPAIR METHOD AND PAINT' CONFORMING TO ASTM A 780 OR BY APPLICATION OF STICK OR THICK PASTE MATERIAL SPECIFICALLY DESIGNED FOR REPAIR OF GALVANIZING. CLEAN AREAS TO BE REPAIRED, AND REMOVE SLAG FROM WELDS. HEAT SURFACES TO WHICH STICK OR PASTE MATERIAL IS APPLIED WITH A TORCH TO A TEMPERATURE SUFFICIENT TO MELT THE METALLICS. IN STICK OR PASTE, SPREAD MOLTEN MATERIAL UNIFORMLY OVER SURFACES TO BE COATED AND WIPE OFF EXCESS MATERIAL.
12. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS/ SPECIFICATIONS IF NO INFORMATION IS CONTAINED IN THESE PLANS OR IF THE MANUFACTURER'S SPECIFICATIONS ARE STRICTER.

SPECIAL INSPECTION

1. IF REQUIRED, SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT SPECIAL INSPECTOR PER CODE FOR THE FOLLOWING ITEMS:
   A. CONTINUOUS DURING THE INSTALLATION OF EXPANSION AND/OR ADHESIVE ANCHORS, IF UTILIZED: INSPECT HOLE SIZE, DEPTH, CLEANLINESS, AND INSTALLATION PER ICC REPORT.
   B. PERIODIC FOR HIGH STRENGTH BOLT INSTALLATIONS (A325), IF UTILIZED.
   C. ADDITIONAL SPECIAL INSPECTIONS AS REQUIRED FOR FABRICATION AND INSTALLATION OF THE NEW MONO-PINE AND FOUNDATION OR VERIFICATION OF THE EXISTING MONOPOLE FOUNDATION AS SHOWN ON THE APPROVED STRUCTURAL CALCULATIONS AND DRAWINGS FOR THE MONO-PINE (BY OTHERS). FOR NEW FOUNDATIONS, SPECIAL INSPECTION SHALL INCLUDE, BUT NOT BE LIMITED TO:
      -EXCAVATIONS
      -REINFORCEMENT AND FORM PLACEMENT
      -ANCHOR ROD PLACEMENT
      -CONCRETE PLACEMENT, MIX DESIGN REVIEW, AND CONCRETE TESTING

2. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THEIR REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL AS EACH TEST IS COMPLETED. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.

3. ANY MATERIAL WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.

4. INSPECTION FOR PREFABRICATION CONSTRUCTION SHALL BE THE SAME AS FOR THE MATERIAL USED IF THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.

5. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT SIGNED BY BOTH HE AND HIS SUPERVISOR STATING WHETHER THE WORK REQUIRING SPECIAL INSPSECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

UTILITIES

1. CONTRACTOR SHALL CONTACT A SUBSURFACE UTILITY LOCATOR FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
   LOCATION OF EXISTING SEWER, WATER LINES, GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR VERIFYING LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION DR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS, OR IF THERE APPEARS TO BE A CONFLICT.

2. CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS WITH APPROPRIATE UTILITY OWNERS AND CONSTRUCTION MANAGER.

3. DAMAGE BY THE CONTRACTOR TO UTILITIES OR PROPERTY OF OTHERS, INCLUDING EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE CONSTRUCTION CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT. FOR GRASSED AREAS, SEED AND MULCH SHALL BE ACCEPTABLE..

4. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE.

5. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF NEW UNDERGROUND TELEPHONE SERVICE WITH THE TELEPHONE UTILITY AND THE OWNER'S REQUIREMENTS.

6. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED AND TESTED SATISFACTORY PRIOR TO COMMENCING ANY PAVING OPERATIONS WHERE SUCH UTILITIES ARE WITHIN THE LIMITS OF PAVEMENT.

PERMITS

1. CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. (NOT SUPPLIED BY OWNER)

2. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS. (NOT SUPPLIED BY OWNER)

3. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND THE LATEST APPLICABLE CODES AND STANDARDS.

4. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY, OR CITY) ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.

5. CONTRACTOR RESPONSIBLE FOR CLOSING AND FILING ALL PERMITS ASSOCIATED WITH SITE.

GRADING

1. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC...) ALL MATERIAL NOT SUITABLE FOR SUB GRADE IN ITS PRESENT STATE. IF THE MATERIAL, AFTER REWORKING, REMAINS UNSUITABLE THEN THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL AT HIS EXPENSE. ALL SUB GRADES SHALL BE PROOF ROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.

2. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTABLE BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.

3. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.

4. ALL DIMENSIONS SHALL BE VERIFIED WITH THE PLANS (LATEST REVISION) PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE OWNER IMMEDIATELY IF DISCREPANCIES ARE DISCOVERED. THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PRE FORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

PAINTING

1. CONTRACTOR TO COORDINATE PAINTING REQUIREMENTS WITH OWNER.

2. PAINT COLORS SHALL BE SELECTED TO MATCH EXISTING COLORS AND TEXTURES.

3. PROVIDE THE BEST QUALITY GRADE OF COATINGS AS REGULARLY MANUFACTURED BY APPROVED PAINT MATERIAL MANUFACTURERS. MATERIALS NOT DISPLAYING THE MANUFACTURER'S IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.

4. PROVIDE UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS. USE ONLY THINNERS APPROVED BY THE PAINT MANUFACTURER AND USE ONLY WITHIN RECOMMENDED LIMITS.

5. COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE, AND COVERAGE. CLOUDINESS, SPOTTINGS, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS, OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

6. ALL GRAFFITI ON ANY COMPONENT OF THE FACILITY SHALL BE REMOVED PROMPTLY IN ACCORDANCE WITH COUNTY REGULATIONS.

7. THIS WIRELESS FACILITY SHALL BE KEPT CLEAN AND FREE OF LITTER.

8. ALL EQUIPMENT CABINETS SHALL DISPLAY A LEGIBLE OPERATOR'S CONTACT NUMBER FOR REPORTING MAINTENANCE PROBLEMS.

9. ALL SUPPORTING EQUIPMENT IN THE LEASE AREA WILL BE PAINTED / TEXTURED TO MATCH PROPOSED FAUX MONO-PINE.

FERROUS METALS
SHOP PRIMED
TOUCH-UP COAT - RED OXIDE METAL PRIMER
FINISH COATS - SEMI-GLOSS-ALKYD ENAMEL

SBA CONSTRUCTION REQUIREMENTS

1. AWARDED CONTRACTOR WILL BE REQUIRED TO SIGN AND RETURN A COPY OF AN AWARD LETTER FOR SBA'S FILE.
2. CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF LICENSE TO PERFORM WORK IN JURISDICTION AT TIME OF BID AWARD.
3. CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE PRIOR TO CONSTRUCTION STARTING AND WILL PROVIDE UPDATE/CHANGES (WITH EXPLANATIONS) TO THAT SCHEDULE WHEN/IF ITEMS ARE DELAYED OR PUSHED OUT.
4. CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONCRETE COMPRESSIVE TESTING AND REQUIRED TO SUBMIT FINAL TEST RESULTS WITH CLOSE OUT BOOK.
5. CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE SBA PROJECT MANAGERS WITH PHOTOS OF THE MAJOR CONSTRUCTION MILESTONES AS THEY OCCUR.
6. CONTRACTOR WILL BE RESPONSIBLE TO ASSIST IN COORDINATING AND OBTAINING PRIMARY POWER TO THE SITE PRIOR TO TOWER ERECTION, AS WELL AS TELCO SERVICE BEFORE PROJECT COMPLETION. (ON SITE VISITS WITH UTILITY COMPANY REPRESENTATIVES AS NECESSARY, ETC....).
7. CONTRACTOR WILL HAVE A REPRESENTATIVE ON A WEEKLY CONFERENCE CALL TO PROVIDE SBA WITH SITE SPECIFIC UPDATES. CURRENTLY, THIS CONFERENCE CALL IS HELD EACH AND EVERY THURSDAY AT 4 PM (EASTERN TIME).
8. CONTRACTOR SHOULD BE PREPARED FOR RANDOM SBA SAFETY INSPECTIONS AT ALL TIMES.
9. CONTRACTOR IS EXPECTED TO MAINTAIN PROPER WORKING CONDITIONS AND PROCEDURES PER OSHA STANDARDS AT ALL TIMES.
10. CONTRACTOR WILL BE REQUIRED TO OBTAIN THE NECESSARY ELECTRICAL PERMITS AND INSPECTIONS AS REQUIRED BY JURISDICTION.
11. CONTRACTOR IS EXPECTED TO CLOSE-OUT THE JOB SITE AS QUICKLY AS POSSIBLE (OBTAINING A CERTIFICATE OF OCCUPANCY AND GETTING SBA'S REGIONAL SITE MANAGER'S SIGN-OFF/CHECKLIST APPROVAL ON THE SITE).
12. CONTRACTOR WILL PROVIDE A COMPLETED TOWER HEIGHT VERIFICATION FORM AND TAPE DROP WITHIN 24 HOURS OF REACHING OVERALL HEIGHT.
13. CONTRACTOR WILL UTILIZE ALL OF THE SBA PROVIDED DOCUMENTATION INCLUDING BUT NOT LIMITED TO: TOWER CONSTRUCTION ACCEPTANCE CHECKLIST, CONSTRUCTION SCHEDULE, CONSTRUCTION CLOSE-OUT LIST & TOWER HEIGHT VERIFICATION.
14. CONTRACTOR IS RESPONSIBLE FOR CONCRETE COMPRESSION TESTING.
15. CONTRACTOR IS RESPONSIBLE FOR GROUND MEG TESTING.

SBA
SBA MONARCH TOWERS III, LLC
A DELAWARE LIMITED LIABILITY COMPANY
5900 BROKEN SOUND PKWY NW
BOCA RATON, FL 33487
PHONE: 1-800-487-7483

Acom CONSULTING, INC

REVISIONS

NO.	DESCRIPTION	DATE	BY
A	PRELIMINARY CONSTRUCTION DRAWINGS	10/10/23	YK
B	CLIENT COMMENTS	10/25/23	DO
0	100% FINAL CD SET	10/27/23	KM
1	100% FINAL CD SET	11/09/23	KM
2	100% FINAL CD SET	01/12/24	KM

CA12917A

SAC220-PUTAH CIRCLE

8036 SLAYBACK RANCH LN
DAVIS, CA 95616

DRAWN BY:	YK
CHECKED BY:	RM
DATE:	10/10/23
PROJECT #:	-

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

SBA

CA12917A

SAC220-Putah Circle

8036 Slayback Ranch Lane Davis CA 95618

ARTISTIC engineering
AEsims.com
877.9AE.sims

View 1

Existing

Proposed Looking south from access road

SBA

CA12917A

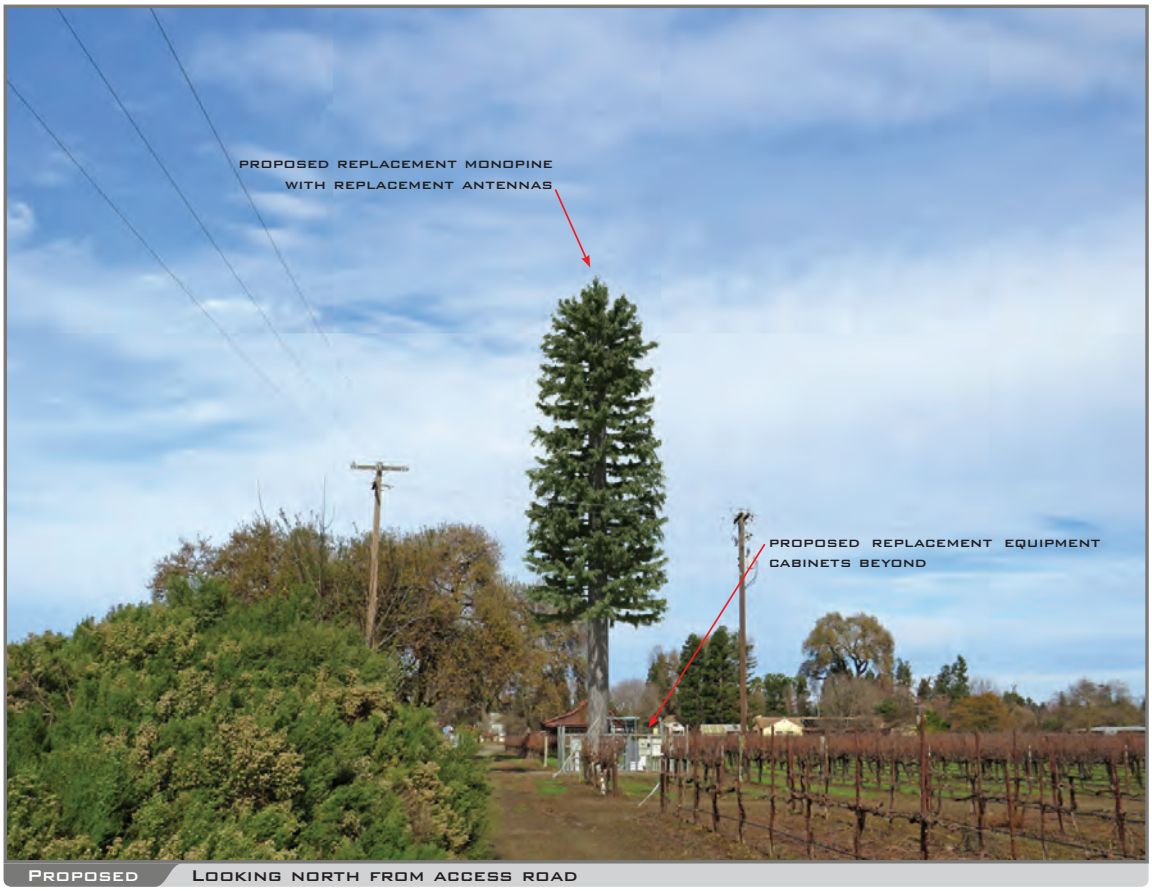
SAC220-Putah Circle

8036 Slayback Ranch Lane Davis CA 95618

ARTISTIC engineering
AEsims.com
877.9AE.sims

View 2

Existing



Proposed Looking north from access road

Accuracy of photo simulation based upon information provided by project applicant.

SBA

CA12917A

SAC220-Putah Circle

8036 Slayback Ranch Lane Davis CA 95618

ARTISTIC engineering
AEsims.com
877.9AE.sims

View 3

Existing

Proposed Looking northwest from site

Accuracy of photo simulation based upon information provided by project applicant.

SiteSafe
A QUALTEK Company

8618 Westwood Center Drive, Suite 315, Vienna, VA 22182
703.276.1100 ● 703.276.1169 fax
info@sitesafe.com ● www.sitesafe.com

SBA Telecommunications on behalf of T-Mobile
Site ID – CA12917A
T-Mobile Site ID – SC90220M
Assessment Purpose – Anchor
Site Name – SAC220-PUTAH CIRCLE
Site Compliance Report

8036 Slayback Ranch Lane
Davis, CA 95618

Latitude: N38-31-58.08
Longitude: W121-43-20.81
Structure Type: Monotree

Report generated date: December 21, 2023
Report by: Sophie Thein
Customer Contact: Jacob Hamilton

T-Mobile's proposed modification will be compliant upon completion of the remediation identified in Section 2.2.

SBA Telecommunications on behalf of T-Mobile
SAC220-PUTAH CIRCLE - CA12917A Radio Frequency (RF) Site Compliance Report

8036 Slayback Ranch Lane, Davis, CA 95618

8618 Westwood Center Drive • Suite 315 • Vienna, VA 22182
703.276.1100 • info@sitesafe.com

Table of Contents

1 Executive Summary

SBA Telecommunications on behalf of T-Mobile has contracted with Site Safe, LLC (Sitesafe), an independent Radio Frequency (RF) regulatory and engineering consulting firm, to determine whether the proposed communications site, CA12917A - SAC220-PUTAH CIRCLE, located at 8036 Slayback Ranch Lane, Davis, CA, is in compliance with the Federal Communications Commission (FCC) Rules and Regulations for RF exposure.

This report contains a detailed summary of the RF environment at the site including:

- Diagram of the site
- Inventory of the make / model of all antennas
- Theoretical MPE based on modeling

This report addresses exposure to radio frequency electromagnetic fields in accordance with the FCC Rules and Regulations for all individuals, classified in two groups, "Occupational or Controlled" and "General Public or Uncontrolled."

T-Mobile's proposed modification will be compliant with the FCC Rules and Regulations, as described in OET Bulletin 65, **upon completion of the remediation identified in section 2.2**.

T-Mobile proposes to make modifications to an existing site. The proposed antennas are noted as "Proposed" in the antenna table under Section 4.

This document and the conclusions herein are based on the information provided by SBA Telecommunications.

If you have any questions regarding RF safety and regulatory compliance, please do not hesitate to contact Sitesafe's Customer Support Department at (703) 276-1100.

2 Site Compliance

2.1 Site Compliance Statement

Upon evaluation of the cumulative RF exposure levels from all operators at this site, Sitesafe has determined that:

T-Mobile's proposed modification will be compliant, upon completion of the remediation identified in section 2.2.

The compliance determination is based on theoretical modeling, RF signage placement recommendations, proposed antenna inventory and/or the level of restricted access to the antennas at the site. Any deviation from the T-Mobile proposed deployment plan could result in the site being rendered non-compliant upon further evaluation.

2.2 Actions for Site Compliance

Based on common industry practice and our understanding of FCC and OSHA requirements, this section provides a statement of recommendations for site compliance. If required, RF alert signage recommendations have been proposed based on theoretical analysis of MPE levels. Where applicable, barriers can consist of locked doors, fencing, railing, rope, chain, paint striping or tape, combined with RF alert signage.

T-Mobile's proposed modification will be compliant upon completion of the following remediation:

Site Access Location

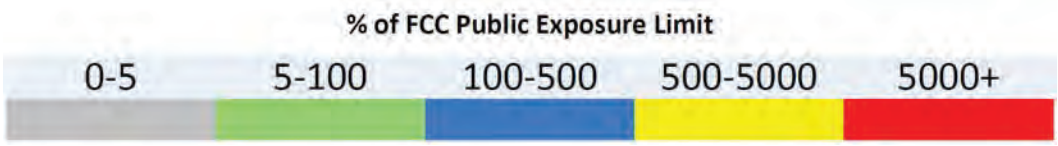
(1) Warning sign(s) required per T-Mobile mitigation policy.
(1) RF Guideline sign(s) required per T-Mobile mitigation policy.
(1) NOC Information sign(s) required.
Ensure that this access point is locked/restricted.

3 Analysis

3.1 RF Exposure Diagram

The RF diagram(s) below display theoretical percentage of the Maximum Permissible Exposure for all systems at the site. These diagrams use modeling as prescribed in OET Bulletin 65 and assumptions detailed in Appendix B.

The key at the bottom of each diagram indicates if percentages displayed are referenced to FCC **General Public** Maximum Permissible Exposure (MPE) limits. Color coding on the diagram is as follows:



This table displays the maximum theoretical percentage of the FCC's General Public MPE limits:

General Public Levels:		
Exposure Type:	**Maximum**	**Spatial Average**
Reference Level:	**Antenna**	**Ground**
T-Mobile:	31,358.1%	<1.0%
Composite:	31,358.1%	<1.0%

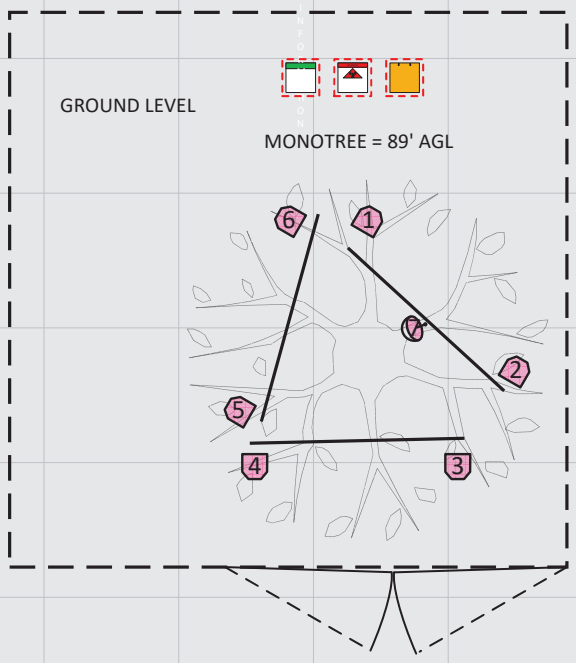
Note: On the diagrams shown below, each level is marked with a height. For all diagrams that are marked as *Spatially Averaged*, the modeling program will spatially average the exposure within the area six feet above each set level. This provides an accurate spatial average of the percentage of the FCC's MPE limits within an accessible area.

In the RF exposure simulations below, all heights are reflected with respect to the ground level. Each different area, rooftop, or platform level is labeled with its height relative to the main site level. Exposure is calculated appropriately based on the relative height and location of that area to all antennas. The analyzed elevations in the RF exposure simulations are as follows:

- GROUND LEVEL = 0'
- MONOTREE = 89'

Attachment D

RF Exposure Simulation For: SAC220-PUTAH CIRCLE
Composite View



% of FCC Public Exposure Limit

0-5	5-100	100-500	500-5000	5000+

AT&T MOBILITY LLC | VERIZON WIRELESS | T-MOBILE | SPRINT | DISH | UNKNOWN CARRIER

Barrier Signage Legend

No-sign | Notice | Caution | Warning | Notice 2 | Caution 2 | Warning 2

Existing Barrier ——— Proposed Barrier/Sign — — — Remove Barrier/Sign - - - /X

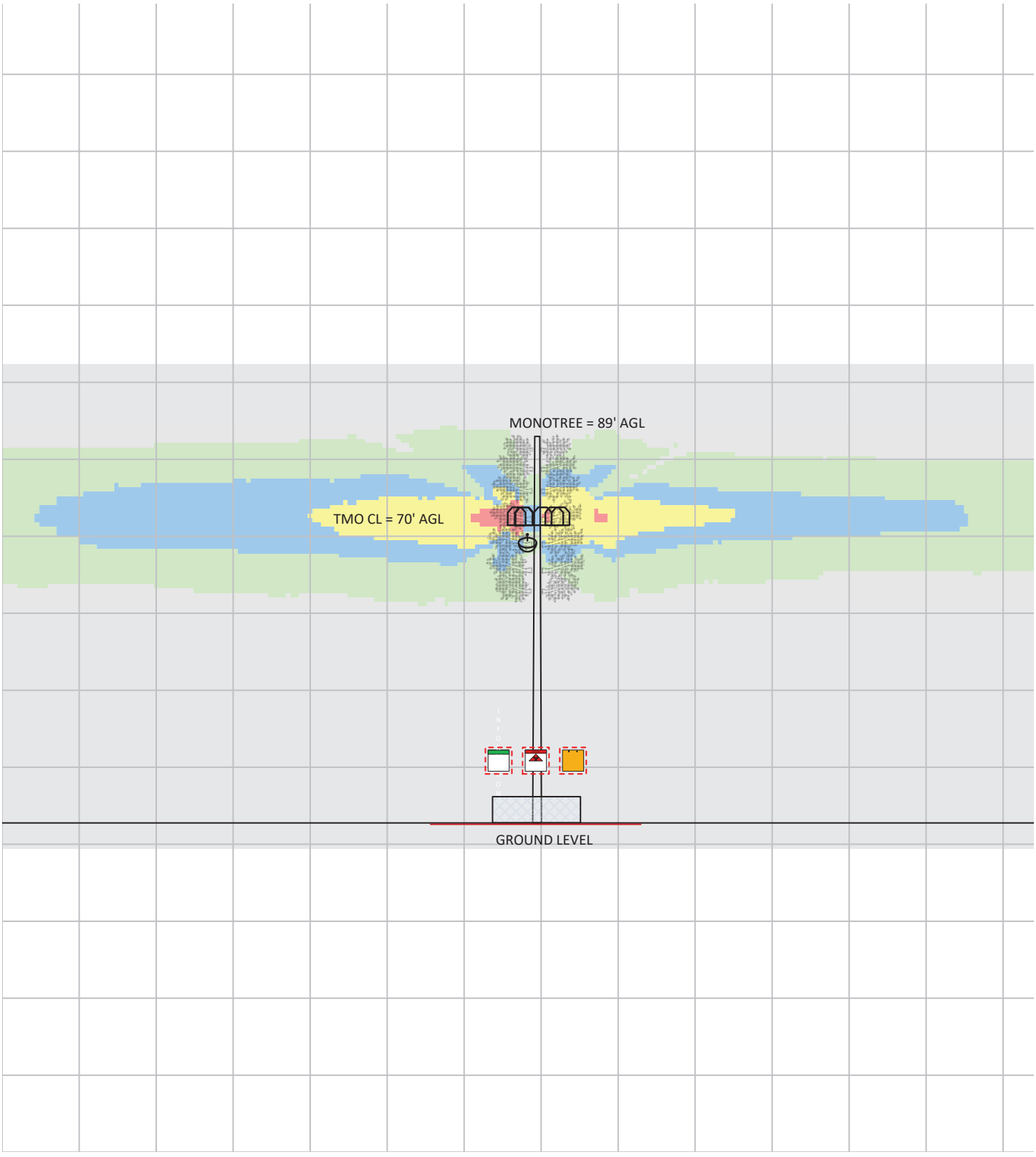
(Feet)

0 3.6 7.2

www.sitesafe.com
12/21/2023 10:10:11 AM

Sitesafe OET-65 Model
Near Field Boundary:
1.5 * Aperture
Reflection Factor: 1
Spatially Averaged

RF Exposure Simulation For: SAC220-PUTAH CIRCLE
Elevation View



% of FCC Public Exposure Limit

0-5	5-100	100-500	500-5000	5000+

AT&T MOBILITY LLC | VERIZON WIRELESS | T-MOBILE | SPRINT | DISH | UNKNOWN CARRIER

Barrier Signage Legend

No-sign | Notice | Caution | Warning | Notice 2 | Caution 2 | Warning 2

Existing Barrier | Proposed Barrier/Sign | Remove Barrier/Sign /X

(Feet)

0 15.6 31.2

www.sitesafe.com
12/21/2023 10:20:18 AM

Sitesafe OET-65 Model
Near Field Boundary:
1.5 * Aperture
Reflection Factor: 1
Single Level (0)

4 Antenna Inventory

The Antenna Inventory shows all transmitting antennas at the site. This inventory was provided by the customer and was utilized by Sitesafe to perform theoretical modeling of RF exposure. The inventory coincides with the site diagrams in this report, identifying each antenna's location at CA12917A - SAC220-PUTAH CIRCLE. The antenna information collected includes the following information:

- Licensee or wireless operator name
- Frequency or frequency band
- Transmitter power – Transmitter Power Output ("TPO"), Effective Radiated Power ("ERP"), or Equivalent Isotropic Radiated Power ("EIRP")
- Antenna manufacturer make, model, and gain

For other carriers at this site, the use of "Generic" as an antenna model, or "Unknown" for an operator means the information with regard to carrier, their FCC license and/or antenna information was not available nor could it be secured while on site. Equipment, antenna models and nominal transmit power were used for modeling, based on past experience with radio service providers.

The following antenna inventory was provided by the customer and was utilized to create the site model diagrams:

Ant ID	Operator	Antenna Make and Model	Type	TX Freq (MHz)	Technology	Az (Deg)	Hor BW (Deg)	Ant Len (ft)	Ant Gain (dBd)	Power	Power Type	Power Units	TX Count	Misc Loss	Total ERP (Watts)	Z (ft)	MDT (Deg)	EDT (Deg)
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	LTE	30	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	5G	30	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	700	LTE	30	63.0	8	13.29	200.00	TPO	Watt	1	0.00	4266.09	70	0	0
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	LTE	30	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	5G	30	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
1	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	2100	LTE/AWS1	30	61.0	8	16.33	280.00	TPO	Watt	1	0.00	12027.02	70	0	0
2	T-MOBILE (Proposed)	Ericsson AIR6419_B41_NR	Panel	2500	5G	30	12.5	2.9	22.35	320.00	TPO	Watt	1	0.00	54973.07	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	LTE	180	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	5G	180	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	700	LTE	180	63.0	8	13.29	200.00	TPO	Watt	1	0.00	4266.09	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	LTE	180	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	5G	180	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
3	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	2100	LTE/AWS1	180	61.0	8	16.33	280.00	TPO	Watt	1	0.00	12027.02	70	0	0
4	T-MOBILE (Proposed)	Ericsson AIR6419_B41_NR	Panel	2500	5G	180	12.5	2.9	22.35	320.00	TPO	Watt	1	0.00	54973.07	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	LTE	300	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	600	5G	300	65.0	8	12.87	100.00	TPO	Watt	1	0.00	1936.42	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	700	LTE	300	63.0	8	13.29	200.00	TPO	Watt	1	0.00	4266.09	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	LTE	300	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	1900	5G	300	65.0	8	15.62	140.00	TPO	Watt	1	0.00	5106.56	70	0	0
5	T-MOBILE (Proposed)	Commscope FFVV-65C-R3-V1	Panel	2100	LTE/AWS1	300	61.0	8	16.33	280.00	TPO	Watt	1	0.00	12027.02	70	0	0
6	T-MOBILE (Proposed)	Ericsson AIR6419_B41_NR	Panel	2500	5G	300	12.5	2.9	22.35	320.00	TPO	Watt	1	0.00	54973.07	70	0	0
7	T-MOBILE (Proposed)	Commscope VHLP2-18/B	Aperture	18000		70	2.1	0	37.75	0.01	TPO	Watt	1	0.00	59.57	64	0	0

Attachment D

Note: The Z reference indicates antenna height above the ground level (AGL). ERP values provided by the client and used in the modeling may be greater than are currently deployed. For additional modeling information, refer to Appendix B. Proposed equipment is tagged as *(Proposed)* under *Operator* or *Antenna Make and Model*.

5 Reviewer Certification

The reviewer whose signature appears below hereby certifies and affirms:

That I am an employee of Site Safe, LLC, in Vienna, Virginia, at which place the staff and I provide RF compliance services to clients in the wireless communications industry; and

That I am thoroughly familiar with the Rules and Regulations of the Federal Communications Commission (FCC) as well as the regulations of the Occupational Safety and Health Administration (OSHA), both in general and specifically as they apply to the FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields; and

That I have thoroughly reviewed this Site Compliance Report and believe it to be true and accurate to the best of my knowledge as assembled by and attested to by Sophie Thein.

December 21, 2023

Mahmoud Eid Mahmoud Eid

Appendix A – Statement of Limiting Conditions

Sitesafe will not be responsible for matters of a legal nature that affect the site or property.

Due to the complexity of some wireless sites, Sitesafe performed this analysis and created this report utilizing best industry practices and due diligence. Sitesafe cannot be held accountable or responsible for anomalies or discrepancies due to actual site conditions (i.e., mislabeling of antennas or equipment, inaccessible cable runs, inaccessible antennas or equipment, etc.) or information or data supplied by SBA Telecommunications, the site manager, or their affiliates, subcontractors or assigns.

Sitesafe has provided computer generated model(s) in this Site Compliance Report to show approximate dimensions of the site, and the model is included to assist the reader of the compliance report to visualize the site area, and to provide supporting documentation for Sitesafe's recommendations.

Sitesafe may note in the Site Compliance Report any adverse physical conditions, such as needed repairs, observed during the survey of the subject property or that Sitesafe became aware of during the normal research involved in performing this survey. Sitesafe will not be responsible for any such conditions that do exist or for any engineering or testing that might be required to discover whether such conditions exist. Because Sitesafe is not an expert in the field of mechanical engineering or building maintenance, the Site Compliance Report must not be considered a structural or physical engineering report.

Sitesafe obtained information used in this Site Compliance Report from sources that Sitesafe considers reliable and believes them to be true and correct. Sitesafe does not assume any responsibility for the accuracy of such items that were furnished by other parties. When conflicts in information occur between data provided by a second party and physical data collected by Sitesafe, the physical data will be used.

Appendix B – Assumptions and Definitions

General Model Assumptions

In this site compliance report, it is assumed that all antennas are operating at **full power at all times**. Software modeling was performed for all transmitting antennas located on the site. Sitesafe has further assumed a 100% duty cycle and maximum radiated power.

The site has been modeled with these assumptions to show the maximum RF energy density. Sitesafe believes this to be a *worst-case* analysis, based on best available data. Areas modeled to predict exposure exposure greater than 100% of the applicable MPE level may not actually occur but are shown as a *worst-case* prediction that could be realized real time. Sitesafe believes these areas to be safe for entry by occupationally trained personnel utilizing appropriate personal protective equipment (in most cases, a personal monitor).

Thus, at any time, if power density measurements were made, we believe the real-time measurements would indicate levels below those depicted in the RF exposure diagram(s) in this report. By modeling in this way, Sitesafe has conservatively shown exclusion areas – areas that should not be entered without the use of a personal monitor, carriers reducing power, or performing real-time measurements to indicate real-time exposure levels.

Use of Generic Antennas

For the purposes of this report, the use of "Generic" as an antenna model, or "Unknown" for an operator means the information about a carrier, their FCC license and/or antenna information was not provided and could not be obtained while on site. In the event of unknown information, Sitesafe will use our industry specific knowledge of equipment, antenna models, and transmit power to model the site. If more specific information can be obtained for the unknown measurement criteria, Sitesafe recommends remodeling of the site utilizing the more complete and accurate data. Information about similar facilities is used when the service is identified and associated with a particular antenna. If no information is available regarding the transmitting service associated with an unidentified antenna, using the antenna manufacturer's published data regarding the antenna's physical characteristics makes more conservative assumptions.

Where the frequency is unknown, Sitesafe uses the closest frequency in the antenna's range that corresponds to the highest MPE, resulting in a conservative analysis.

Definitions

5% Rule – The rules adopted by the FCC specify that, in general, at multiple transmitter sites actions necessary to bring the area into compliance with the guidelines are the shared responsibility of all licensees whose transmitters produce field strengths or power density levels at the area in question in excess of 5% of the exposure limits. In other words, any wireless operator that contributes 5% or greater of the MPE limit in an area that is identified to be greater than 100% of the MPE limit is responsible for taking corrective actions to bring the site into compliance.

Compliance – The determination of whether a site complies with FCC standards with regards to Human Exposure to Radio Frequency Electromagnetic Fields from transmitting antennas.

Decibel (dB) – A unit for measuring power or strength of a signal.

Duty Cycle – The percent of pulse duration to the pulse period of a periodic pulse train. Also, may be a measure of the temporal transmission characteristic of an intermittently transmitting RF source such as a paging antenna by dividing average transmission duration by the average period for transmission. A duty cycle of 100% corresponds to continuous operation.

Effective (or Equivalent) Isotropic Radiated Power (EIRP) – The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna.

Effective Radiated Power (ERP) – The product of the power supplied to the antenna and the antenna gain in a given direction relative to a half-wave dipole antenna.

Gain (of an antenna) – The ratio, usually expressed in decibels, of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power density at the same distance. When not specified otherwise, the gain refers to the direction of maximum radiation. Gain may be considered for a specified polarization. Gain may be referenced to an isotropic antenna (dBi) or a half-wave dipole (dBd) antenna.

General Population/Uncontrolled Environment – Defined by the FCC as an area where RF exposure may occur to persons who are *unaware* of the potential for exposure and who have no control over their exposure. General Population is also referenced as General Public.

Generic Antenna – For the purposes of this report, the use of "Generic" as an antenna model means the antenna information was not provided and could not be obtained while on site. In the event of unknown information, Sitesafe will use its industry specific knowledge of antenna models to select a worst-case scenario antenna to model the site.

Isotropic Antenna – An antenna that is completely non-directional. In other words, an antenna that radiates energy equally in all directions.

Maximum Measurement – This measurement represents the single largest measurement recorded when performing a spatial average measurement.

Maximum Permissible Exposure (MPE) – The rms and peak electric and magnetic field strength, their squares, or the plane-wave equivalent power densities associated with these fields to which a person may be exposed without harmful effect and with acceptable safety factor.

Occupational/Controlled Environment – Defined by the FCC as an area where RF exposure may occur to persons who are **aware** of the potential for exposure as a condition of employment or specific activity and can exercise control over their exposure.

OET Bulletin 65 – Technical guideline developed by the FCC's Office of Engineering and Technology to determine the impact of RF exposure on humans. The guideline was published in August 1997.

OSHA (Occupational Safety and Health Administration) – Under the Occupational Safety and Health Act of 1970, employers are responsible for providing a safe and healthy workplace for their employees. OSHA's role is to promote the safety and health of America's working men and women by setting and enforcing standards; providing training, outreach and education; establishing partnerships; and encouraging continual process improvement in workplace safety and health. For more information, visit www.osha.gov.

Radio Frequency Exposure or Electromagnetic Fields – Electromagnetic waves that are propagated from antennas through space.

Spatial Average Measurement – A technique used to average a minimum of ten (10) measurements taken in a ten (10) second interval from zero (0) to six (6) feet. This measurement is intended to model the average energy a 6-foot tall human body will absorb while present in an electromagnetic field of energy.

Transmitter Power Output (TPO) – The radio frequency output power of a transmitter's final radio frequency stage as measured at the output terminal while connected to a load.

Appendix C – Rules & Regulations

Explanation of Applicable Rules and Regulations

The FCC has set forth guidelines in OET Bulletin 65 for human exposure to radio frequency electromagnetic fields. Specific regulations regarding this topic are listed in Part 1, Subpart I, of Title 47 in the Code of Federal Regulations. Currently, there are two different levels of MPE - General Public MPE and Occupational MPE. An individual classified as Occupational can be defined as an individual who has received appropriate RF training and meets the conditions outlined below. General Public is defined as anyone who does not meet the conditions of being Occupational. FCC and OSHA Rules and Regulations define compliance in terms of total exposure to total RF energy, regardless of location of or proximity to the sources of energy.

It is the responsibility of all licensees to ensure these guidelines are maintained at all times. It is the ongoing responsibility of all licensees composing the site to maintain ongoing compliance with FCC rules and regulations. Individual licensees that contribute less than 5% MPE to any total area out of compliance are not responsible for corrective actions.

OSHA has adopted and enforces the FCC's exposure guidelines. A building owner or site manager can use this report as part of an overall RF Health and Safety Policy. It is important for building owners/site managers to identify areas in excess of the General Population MPE and ensure that only persons qualified as Occupational are granted access to those areas.

Occupational Environment Explained

The FCC definition of Occupational exposure limits apply to persons who:

- are exposed to RF energy as a consequence of their employment;
- have been made aware of the possibility of exposure; and
- can exercise control over their exposure.

OSHA guidelines go further to state that persons must complete RF Safety Awareness training and must be trained in the use of appropriate personal protective equipment.

In order to consider this site an Occupational Environment, the site must be controlled to prevent access by any individuals classified as the General Public. Compliance is also maintained when any non-occupational individuals (the General Public) are prevented from accessing areas indicated as Red or Yellow in the attached RF exposure diagram. In addition, a person must be aware of the RF environment into which they are entering. This can be accomplished by an RF Safety Awareness class, and by appropriate written documentation such as this Site Compliance Report.

All SBA Telecommunications employees who require access to this site must complete RF Safety Awareness training and must be trained in the use of appropriate personal protective equipment.

Appendix D – General Safety Recommendations

The following are *general recommendations* appropriate for any site with accessible areas in excess of 100% General Public MPE. These recommendations are not specific to this site. These are safety recommendations appropriate for typical site management, building management, and other tenant operations.

1. All individuals needing access to the main site (or the area indicated to be in excess of General Public MPE) should wear a personal protective monitor (PPM), successfully complete proper RF Safety Awareness training, and have and be trained in the use of appropriate personal protective equipment.

2. All individuals needing access to the main site should be instructed to read and obey all posted placards and signs.

3. The site should be routinely inspected and this or similar report updated with the addition of any antennas or upon any changes to the RF environment including:

- adding new antennas that may have been located on the site
- removing of any existing antennas
- changes in the radiating power or number of RF emitters

4. Post the appropriate **NOTICE**, **CAUTION,** or **WARNING** sign at the main site access point(s) and other locations as required. Note: Please refer to RF Exposure Diagrams in Section 3.1 to inform <u>everyone</u> who has access to this site that beyond posted signs there may be levels in excess of the limits prescribed by the FCC. In addition to RF Advisory Signage, a RF Guideline Signage is recommended to be posted at the main site access point(s). The signs below are examples of signs meeting FCC guidelines.

5. Ensure that the site door remains locked (or appropriately controlled) to deny access to the general public if deemed as policy by the building/site owner.

6. For a General Public environment the five color levels identified in this analysis can be interpreted in the following manner:

- Gray represents areas predicted to be at 5% or less of the General Public MPE limits. *The General Public can access these areas with no restrictions.*
- Green represents areas predicted to be between 5% and 100% of the General Public MPE limits. *The General Public can access these areas with no restrictions.*
- Blue represents areas predicted to be between 100% and 500% of the General Public MPE limits. *The General Public should be restricted from accessing these areas.*
- Yellow represents areas predicted to be between 500% and 5000% of the General Public MPE limits. *The General Public should be restricted from accessing these areas.*
- Red represents areas predicted to be greater than 5000% of the General Public MPE limits. *The General Public should be restricted from accessing these areas.*

7. For an Occupational environment the five color levels identified in this analysis can be interpreted in the following manner:

- Gray represents areas predicted to be at 1% or less of the Occupational MPE limits. *Workers can access these areas with no restrictions.*
- Green represents areas predicted to be between 1% and 20% of the Occupational MPE limits. *Workers can access these areas with no restrictions.*
- Blue represents areas predicted to be between 20% and 100% of the Occupational MPE limits. Workers can access these areas assuming they have basic understanding of EME awareness and RF safety procedures and understand how to limit their exposure.
- Yellow represents areas predicted to be between 100% and 1000% of the Occupational MPE limits. Workers can access these areas assuming they have basic understanding of EME awareness and RF safety procedures and understand how to limit their exposure. Transmitter power reduction and/or time-averaging may be required.
- Red represents areas predicted to be greater than 1000% of the Occupational MPE limits. These areas are not safe for workers to be in for prolonged periods of time. Special procedures must be adhered to, such as lockout/tagout or transmitter power reduction, to minimize worker exposure to EME.

8. Use of a Personal Protective Monitor (PPM): When working around antennas, Sitesafe strongly recommends the use of a PPM. Wearing a PPM will properly forewarn the individual prior to entering an RF exposure area.

Keep a copy of this report available for all persons who must access the site. They should read this report and be aware of the potential hazards with regards to RF and MPE limits.

Additional Information

Additional RF information is available at the following sites:
https://www.fcc.gov/general/radio-frequency-safety-0
https://www.fcc.gov/engineering-technology/electromagnetic-compatibility-division/radio-frequency-safety/faq/rf-safety

OSHA has additional information available at:
https://www.osha.gov/SLTC/radiofrequencyradiation/index.html

Appendix E – Regulatory Basis

FCC Rules and Regulations

In 1996, the Federal Communications Commission (FCC) adopted regulations for evaluating the effects of RF exposure in 47 CFR § 1.1307 and 1.1310. The guideline from the FCC Office of Engineering and Technology is Bulletin 65 ("OET Bulletin 65"), *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields*, Edition 97-01, published August 1997. Since 1996 the FCC periodically reviews these rules and regulations as per their congressional mandate.

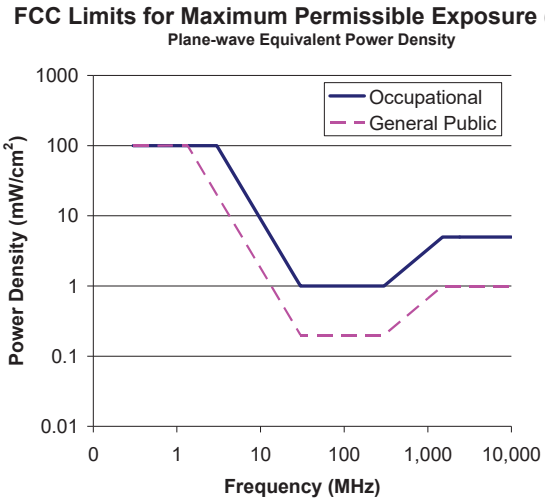
FCC regulations define two separate tiers of exposure limits: Occupational or "Controlled environment" and General Public or "Uncontrolled environment". The General Public limits are generally five times more conservative or restrictive than the Occupational limits. The General Public limits apply to *accessible* areas where workers or the general public may be exposed to Radio Frequency (RF) electromagnetic fields.

Occupational or Controlled limits apply in situations in which persons are exposed as a consequence of their employment and where those persons exposed have been made fully aware of the potential for exposure and can exercise control over their exposure.

An area is considered a Controlled environment when access is limited to these aware personnel. Typical criteria are restricted access (i.e. locked or alarmed doors, barriers, etc.) to the areas where antennas are located coupled with proper RF hazard signage. A site with Controlled environments is evaluated with Occupational limits.

All other areas are considered Uncontrolled environments. If a site has no access controls or no RF hazard signage it is evaluated with General Public limits.

The theoretical modeling of the RF electromagnetic fields has been performed in accordance with OET Bulletin 65. The Maximum Permissible Exposure (MPE) limits utilized in this analysis are outlined in the following diagram:



Limits for Occupational/Controlled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

Limits for General Population/Uncontrolled Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

Appendix F – Safety Plan and Procedures

The following items are general safety recommendations that should be administered on a site by site basis as needed by the carrier.

General Maintenance Work: Any maintenance personnel required to work immediately in front of antennas and / or in areas indicated as above 100% of the Occupational MPE limits should coordinate with the wireless operators to disable transmitters during their work activities.

Training and Qualification Verification: All personnel accessing areas indicated as exceeding the General Population MPE limits should have a basic understanding of EME awareness and RF Safety procedures when working around transmitting antennas. Awareness training increases a worker's understanding to potential RF exposure scenarios. Awareness can be achieved in a number of ways (e.g. videos, formal classroom lecture or internet-based courses).

Physical Access Control: Access restrictions to transmitting antennas locations is the primary element in a site safety plan. Examples of access restrictions are as follows:

- Locked door or gate
- Alarmed door
- Locked ladder access
- Restrictive Barrier at antenna (e.g. Chain link with posted RF Sign)

RF Signage: Everyone should obey all posted signs at all times. RF signs play an important role in properly warning a worker prior to entering into a potential RF Exposure area.

Assume all antennas are active: Due to the nature of telecommunications transmissions, an antenna transmits intermittently. Always assume an antenna is transmitting. Never stop in front of an antenna. If you have to pass by an antenna, move through as quickly and safely as possible thereby reducing any exposure to a minimum.

Site RF Exposure Diagram(s): Section 3 of this report contains RF Diagram(s) that outline various theoretical Maximum Permissible Exposure (MPE) areas at the site. The modeling is a worst-case scenario assuming a duty cycle of 100% for each transmitting antenna at full power. This analysis is based on one of two access control criteria: General Public criteria means the access to the site is uncontrolled and anyone can gain access. Occupational criteria means the access is restricted and only properly trained individuals can gain access to the antenna locations.

valmont STRUCTURES

LARSON CONCEALMENT SOLUTIONS FOR ANY ENVIRONMENT

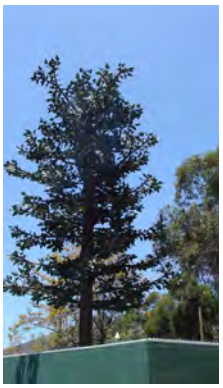
Broadleaf Concealed Solutions

The Larson product line from Valmont® Structures leads the industry with new and improved natural concealment designs. Broadleaf tree designs can be co-locatable, and deliver aesthetically pleasing naturalistic branch canopies. Larson tree designs allow each tenant to position their arrays at any azimuth as well as accommodate larger antenna arrays.

- With unique features like antenna branches and matching antenna "socks," the antennas are virtually invisible.
- Tree foliage is a realistic representation of naturally occurring foliage and is a mix of two different leaf cluster patterns with in depth details such as insect damage, veins, and texture.
- Elm, Magnolia, and Eucalyptus foliage is made of a UV stabilized polyethylene (PE) plastic to preserve color.
- Trees can be finished with realistic bark, painted brown, or camouflage.

Types of Concealment

- ELM TREE
- MAGNOLIA TREE
- EUCALYPTUS



TMP8329 07/20

Contact a Valmont Representative today for more information at 520.294.3900 • valmontstructures.com/larson

valmont STRUCTURES

LARSON CONCEALMENT SOLUTIONS FOR ANY ENVIRONMENT
Broadleaf

- Larson Ultraflex bark is a specially formulated exterior grade epoxy composite to simulate tree bark on monotree camouflaged towers. Our bark is:
  - Unparalleled in strength, flexibility, and durability by means of extensive laboratory testing, including EMMAQUA-NTW method, environmental freeze/thaw cycle testing, flexural elongation, and tensile strength testing.
  - Tested in temperatures ranging from -50°F to 180°F.
  - Painted with multiple colors and washes to create a natural appearance.
  - A proprietary blend that is applied wet, directly to the pole and then hand textured and will not peel or delaminate like sheet bark.
  - Ensured to have a strong bond between bark and galvanized pole because poles are etched prior to application.
- RF-friendly Larson Antenna Socks are vital to camouflage antennas within the canopy of the tree & the addition of Larson Antenna Branches can create complete concealment.
- Microwave & RRU Socks & Branches are also available to help all equipment blend into the canopy.
- Valmont Larson eucalyptus trees can be designed with a cost effective single main trunk in order to customize their appearance to satisfy jurisdictional requirements.
- We offer engineering and design expertise as well as a broad understanding of telecom requirements.
- Design assistance in Photo Simulations and 3-D renderings.
- RF friendly materials yield extremely low insertion and return loss properties.

Eucalyptus Bark

Elm/Magnolia Bark

Eucalyptus Foliage

Elm/Magnolia Foliage

TMP8329 07/20

DEPARTMENT OF RESOURCE MANAGEMENT

SOLANO COUNTY

Planning Services Division

NOTICE OF PUBLIC HEARING

(Zoning Administrator)

NOTICE IS HEREBY GIVEN that the Solano County Zoning Administrator will hold a PUBLIC HEARING to consider Minor Revision No. 2 of Use Permit U-05-11 by SBA Towers III, LLC to replace an existing wireless communications facility with an 84-foot-tall stealth monopine and associated equipment within a 400 square foot fenced lease area located at 8036 Slayback Ranch Road, 1,500 feet south of the City of Davis, within the Exclusive Agriculture "A-40" zoning district, APN 0110-060-130. The project is exempt from the California Environmental Quality Act pursuant to CEQA Guidelines Section 15302 (Class 2), Replacement and Reconstruction. (Project Planner: Erik Hagstrom, 707-784-6765)

The hearing will be held on **Thursday, July 18, 2024 at 10:00 a.m.** in the Department of Resource Management Conference Room, 5th Floor, County Administration Center, 675 Texas Street, Fairfield, California.

The County of Solano does not discriminate against persons with disabilities. If you wish to participate in this meeting and you will require assistance in order to do so, please call 707-784-6765 at least 24 hours in advance of the event to make reasonable arrangements to ensure accessibility to this meeting.

PUBLIC COMMENTS:
In-Person: You may attend the public hearing at the time and location listed above and provide comments during the public speaking period. Phone: You may provide comments verbally from your phone by dialing **1-323-457-3408** and entering Conference ID number **293118721#**. Once entered in the meeting, you will be able to hear the meeting and will be called upon to speak during the public speaking period. Email/Mail: Written comments can be emailed to Planning@SolanoCounty.com or mailed to Resource Management, Zoning Administrator, 675 Texas Street, Suite 5500, Fairfield, CA 94533 and must be received by 8:00 a.m. the day of the meeting. Copies of written comments received will be provided to the Zoning Administrator and will become a part of the official record but will not be read aloud at the meeting.

Staff reports and associated materials will be available to the public approximately one week prior to the meeting at www.solanocounty.com under Departments; Resource Management; Boards, Commissions & Special Districts; Solano County Zoning Administrator.

If you challenge the proposed consideration in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Zoning Administrator at, or prior to, the public hearing.

Daily Republic - legal ad/one time – Wednesday, July 3, 2024