Leo Lew
County Manager

MEETING DATE: NOVEMBER 20, 2024

TO: PINAL COUNTY BOARD OF SUPERVISORS

CASE NO.: **SUP-008-24 (Vertical Bridge US-AZ-5186)**

CASE COORDINATOR: PATRICK ZAIA-ROBERTS, SENIOR PLANNER

Executive Summary:
This is a request for a Special Use Permit, on behalf of Keith Larson, Owner, Shannon McCrea – State 48 Consulting, agent, requesting approval of a new Wireless Communication Facility (WCF) on 5.07± acre parcel, in the General Rural (GR) Zoning District.

If This Request is Approved:
The Special Use Permit would allow installation of a new, stealth designed Wireless Communication Facility (WCF) on parcel 200-24-041A.

LEGAL DESCRIPTION: (Legal on File)

TAX PARCELS: 200-24-041A

LANDOWNER/APPLICANT: Keith Larson (Owner)
Shannon McCrea – State 48 Consulting (agent/applicant)

REQUESTED ACTION & PURPOSE:
SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A (legal on file) situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SIZE: 5.07± acres.

COMPREHENSIVE PLAN: The land use designation for the subject site is Moderate Low Density Residential (1-3.5du/ac).

EXISTING ZONING: The property is within the General Rural Zoning District (GR).

SURROUNDING ZONING AND LAND USE:
North: General Rural (GR); Residential
South: CR-3, Residential
East: CR-3, Residential
West: CR-4, Vacant

PUBLIC PARTICIPATION:

Neighborhood Meeting(s):	February 1, 2024
Mail outs:	Week of September 9, 2024
Newspaper Advertising:	September 5, 2024
Site posting, Applicant:	September 4, 2024
Site posting, County:	September 9, 2024

FINDINGS

SITE DATA: Flood zone: Site is situated in Flood Zone X – Area of Minimal Flood Hazard.

ACCESS: The subject parcel is located at 6497 E Sunnyslope Rd, Florence, AZ 85132. The lease area of the property can be accessed off E Sunnyslope Dr, which is classified as public right of way.

HISTORY: Existing on the site is a Manufactured Home single-residence with an onsite septic system. The building was placed on the site approximately in 1998. In 2016, a building permit was issued to construct a work shop structure as an accessory building on the south side of the property.

ANALYSIS:
The applicant is requesting a Special Use Permit for the construction of a new Wireless Communications Facility (WCF) located on a General Rural (GR) zoned parcel that currently hosts a single-residence. The structure within the WCF will be of stealth design per § 2.205.050 of County Code. The 85 foot, Mono-elm designed structure will be located within an 8 foot high, CMU wall that will blend in with surrounding desert landscape by appropriate paint selection of light tan. The dimension of the entire leased compound area is approximately 50’ by 50’ to be located on the North half of the parcel. To mitigate any safety issues, the WCF will abide by the required 1:1 setback ratio. The setbacks are as follows:

North: ±110’
South: ±526’
West: ±198’
East: ±134’

As described by the applicant and in provided documentation, this Wireless Communication Facility (WCF) will enhance cellular coverage, which is currently limited in this area. The propagation maps enclosed are evident of the expressed expansion of network coverage. This project proposes network improvements that will improve network reliability for residents, businesses and visitors in this area while providing an enhancement to emergency services. The design specifications of the tower are provided in such a way as to allow for future collocations and provide a stealth element that enhances the visual aspect of the proposed tower.

Other elements of the site that uphold County requirements and of which the applicant has complied with include 24' wide paved access, parking space to meet Americans with Disabilities Act (ADA) dimensions, and cut-off timed lighting.

Staff finds that the site plan, narrative, and additional documents suffice for an adequate Special Use Permit submission, and does not identify any potential harm to the immediate area or broader public.

To date, the County has received no letters of opposition for this case. The applicant's neighborhood meeting report indicates that a public meeting was held at which there were no attendees. To date, the applicant has received no public comments.

Comments have been solicited from other divisions pertaining to this project in relation to their specific subfield. Comments of significance are listed below:

Air Quality

1. Paved access into the project, within the project, and on parking area is required.
2. Air quality dust registration will be required prior to project construction.
    a. Applicant is to note that all construction activity must conform to the earthmoving activity requirements in accordance with Section §4-3-160 through 190 of Pinal County's Air Quality Code of Regulations.
3. If generators are installed, an Air Quality Industrial Permit will be required.

SUMMARY:

After review and analysis of the proposed application Staff finds that Shannon McCrea – State 48 Consulting (applicant/agent) has submitted the proper application and evidence sufficient to warrant a staff recommendation as provided in the Ordinance. Staff provides the following summary of findings together with the information of this staff report:

1. The Special Use Permit would allow the construction of a WCF that meets all requirements of County Code and FCC Regulations.
    a. Stealth design will complement surrounding environment.
    b. Tower is designed in a way to afford collocations to future uses.
    c. Paved access, compound, and parking will remediate Air Quality concerns.
2. As shown by propagation maps, the WCF will provide the area with improved high quality reliable wireless service, in addition to enhancing emergency services.
3. A thorough analysis of the project has been conducted in collaboration with additional County professionals and no immediate harm or risk to the local community or broader public has been identified.

The zoning ordinance identifies factors for consideration when reviewing special use permit requests under section 2.151.010 (O). These factors include, but are not limited to:

- **Traffic conditions;**
- **Provision of services and utilities to the site;**
- **The relationship of the proposed special use and surrounding uses;**
- **Whether the proposed use is beneficial to the public health, safety and general welfare of the community;**
- **Access to streets that are adequately designed and constructed to handle the volume generated by the use;**
- **Does not result in the use of a residential street for non-residential through traffic;**

- **Whether adequate measures have been taken to mitigate off-site impacts such as dust, smoke, noise, odors, lights or storm water runoff;**
- **The need for the proposed special use in the neighborhood/community;**
- **Public input.**

And specifically for wireless facilities:

- **Any neighborhood opposition, either written or verbal, received by the applicant;**
- **Possibilities for camouflage that have been explored, and why the proposed option was chosen; and a description of alternative sites that have been explored;**
- **A description of possibilities for using a greater number of shorter monopoles or towers in place of the proposed facility**
- **Information on the willingness of the landowner and the service provider to allow other service providers to co-locate on the proposed facility; and**
- **Potential gaps that could impede the provision of services if this request is not approved.**

At the public hearing, the Board needs to be satisfied that the health, safety and welfare of the County and adjacent properties will not be negatively impacted by this Special Use Permit request under Planning Case **SUP-008-24**. Furthermore, the Board must determine that this Special Use Permit will promote the orderly growth and development of the County, at this location and time, and this proposed development is compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan.

THE BURDEN OF PROOF IS UPON THE APPLICANT TO PROVIDE THE NECESSARY AND REQUIRED INFORMATION AT THE PUBLIC HEARING. THE APPLICANT NEEDS TO BE PREPARED TO ADDRESS AND MITIGATE, AS APPLICABLE, THE FOLLOWING ISSUES AND CONCERNS:

A) LAND USE, PERIMETER WALLS, SIGNAGE, SETBACKS, INGRESS/EGRESS & LANDSCAPING
B) PUBLIC SERVICES - SEWER, WATER, UTILITIES, DRAINAGE
C) NEIGHBORHOOD IMPACT
D) FLOOD CONTROL
E) TRAFFIC IMPACT
F) COMPATIBILITY/CONSISTENCY WITH PINAL COUNTY COMPREHENSIVE PLAN
G) BENEFITS/DETRIMENTS TO PINAL COUNTY

Should the Board find, after the presentation of the applicant and together with the testimony and evidence presented at the public hearing, that this Special Use Permit request is needed and necessary at this location and time, will not negatively impact adjacent properties, will promote orderly growth and development of the County, and will be compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan, then the Board may approve **SUP-008-24 with the 13 attached stipulations**. If the Board cannot find the factors listed above to be applicable to this case, then the board may deny **SUP-008-24**.

To approve: I move the Pinal County Board of Supervisors approve case SUP-008-24 with 13 stipulations as listed in the staff report.

To deny: I move the Pinal County Board of Supervisors deny case SUP-008-24.

STIPULATIONS:

1. All Federal (FCC), State and County regulations shall be adhered to and all required approvals, plans, submittal documents, and permits submitted and obtained; including, but not limited to, planning clearance, building, sewage disposal, right-of-way use permit, handling and disposal of waste water, air quality permit, security lighting, fire protection, landscaping, signage, etc.;

2. Submit an R.F. Engineer's certification within thirty days of BOS approval, that the facilities comply with all Federal Aviation Administration (FAA), and that the radiation meets Federal Communication Commission (FCC) requirements. Should interference be determined to exist with the WAPA Communications equipment, building permits shall not be issued until the interference issues are resolved to the satisfaction of Pinal County Community Development;

3. The applicant/property owner shall meet the requirements of the International Fire Code, as adopted by Pinal County and administered by the Pinal County Building Safety Department;

4. All construction activity must conform to the Earthmoving Activity requirements of the Pinal County Air Quality Control District;

5. Paving will be provided on the following: 24 foot driveway & access drive, within the site, and on parking area; additional road access improvement requirements must be met as determined by County Engineer(s) and other County Divisions/personnel;

6. An Air Quality industrial permit may be required if there is a generator installed;

7. The layout, design and set up of the wireless communication facility shall be as shown and set forth on the applicant's site plan as submitted with this application for a Special Use Permit;

8. Any change or expansion of use shall require approval by the Board of Supervisors;

9. At such time the wireless communication facility is no longer needed, it shall be removed from the subject property within 180 day at the expense of the applicant;

10. The applicant shall keep the property free of trash, litter and debris;

11. Violation of these conditions at any time may invoke revocation proceedings by the Pinal County Community Development Department;

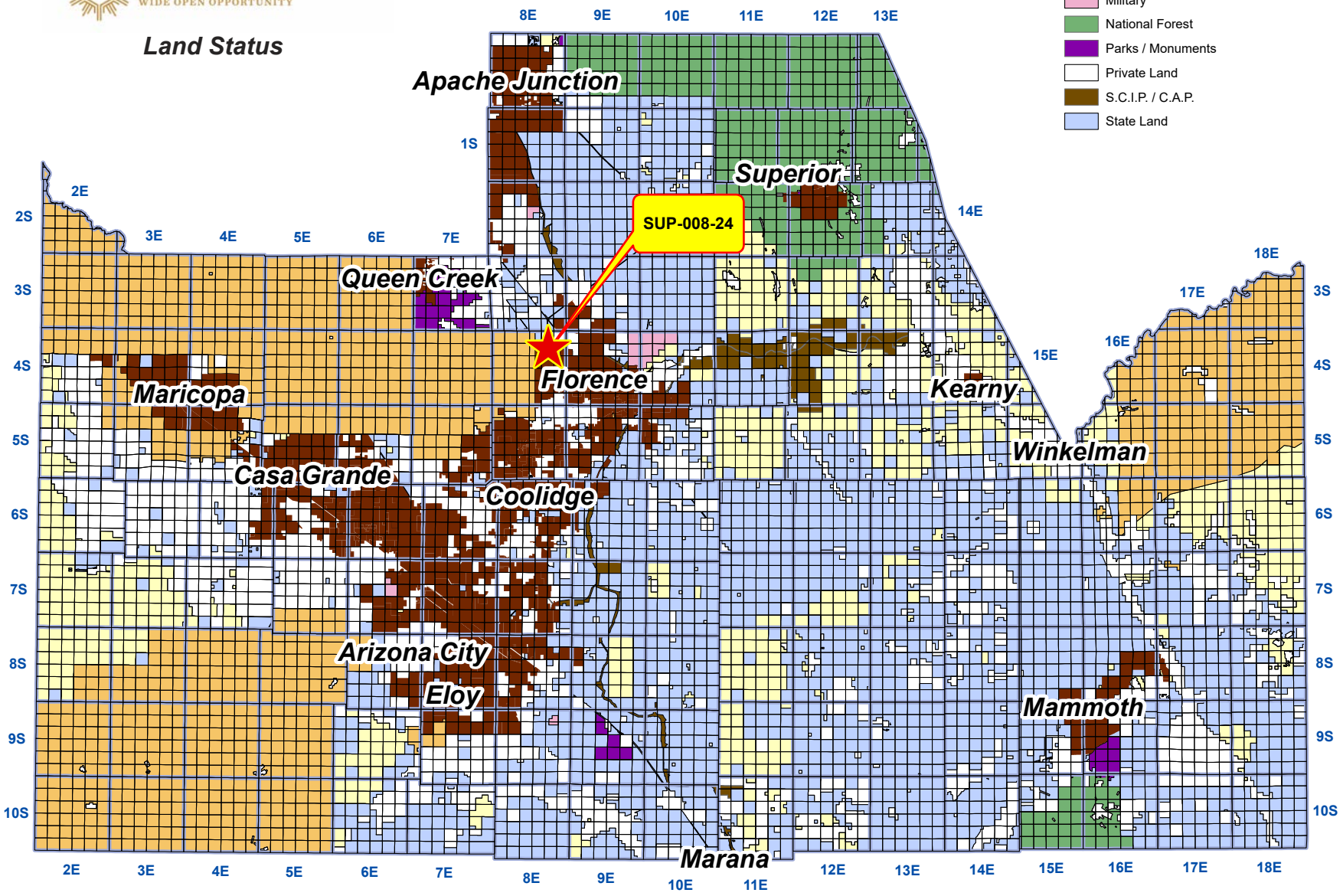
12. A site plan process would be initiated by the applicant after the SUP is approved by the BOS; and

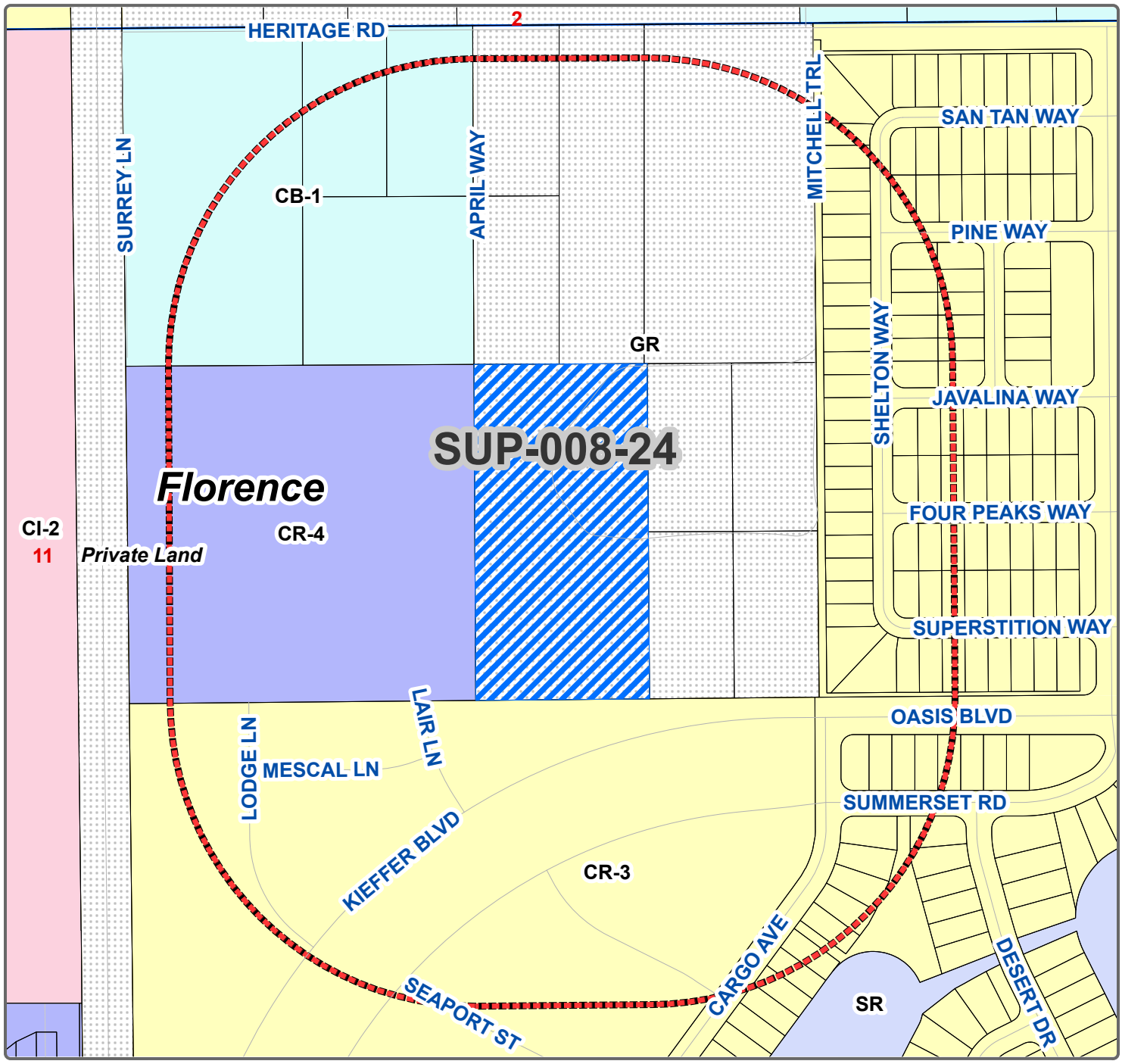
13. Approval of this Special Use Permit is tied to the lease area portion of parcel number 200-24-041A in which the WCF is situated;

Date Prepared: 11/7/24 - PZR

PINAL COUNTY
WIDE OPEN OPPORTUNITY

Land Status





Community Development

SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

Current Zoning: GR	Requested Zoning: Rezone	Current Land Use: MLDR

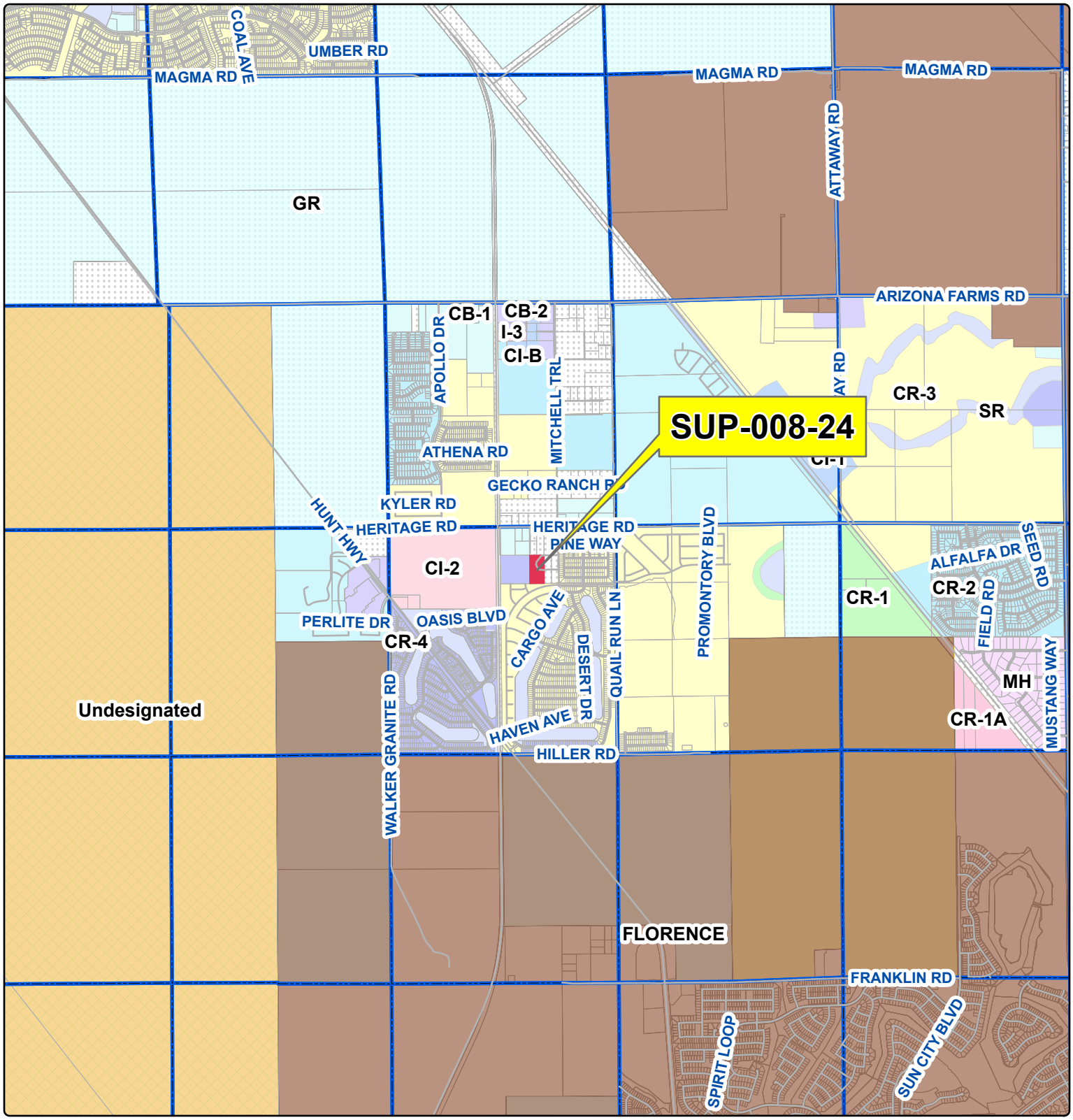
PINAL COUNTY
WIDE OPEN OPPORTUNITY

Legal Description:

Situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SEC 11, TWN 04S, RNG 08E

Sheet No. 1 of 1	Owner/Applicant: SHANNON MCCREA - STATE 48 CONSUL & VERTICAL BRIDGE - KEITH LARSON		
	Drawn By: GIS / IT /LJT		Date: 09/12/2024
	Section 11	Township 04S	Range 08E
	Case Number: SUP-008-24		



Community Development

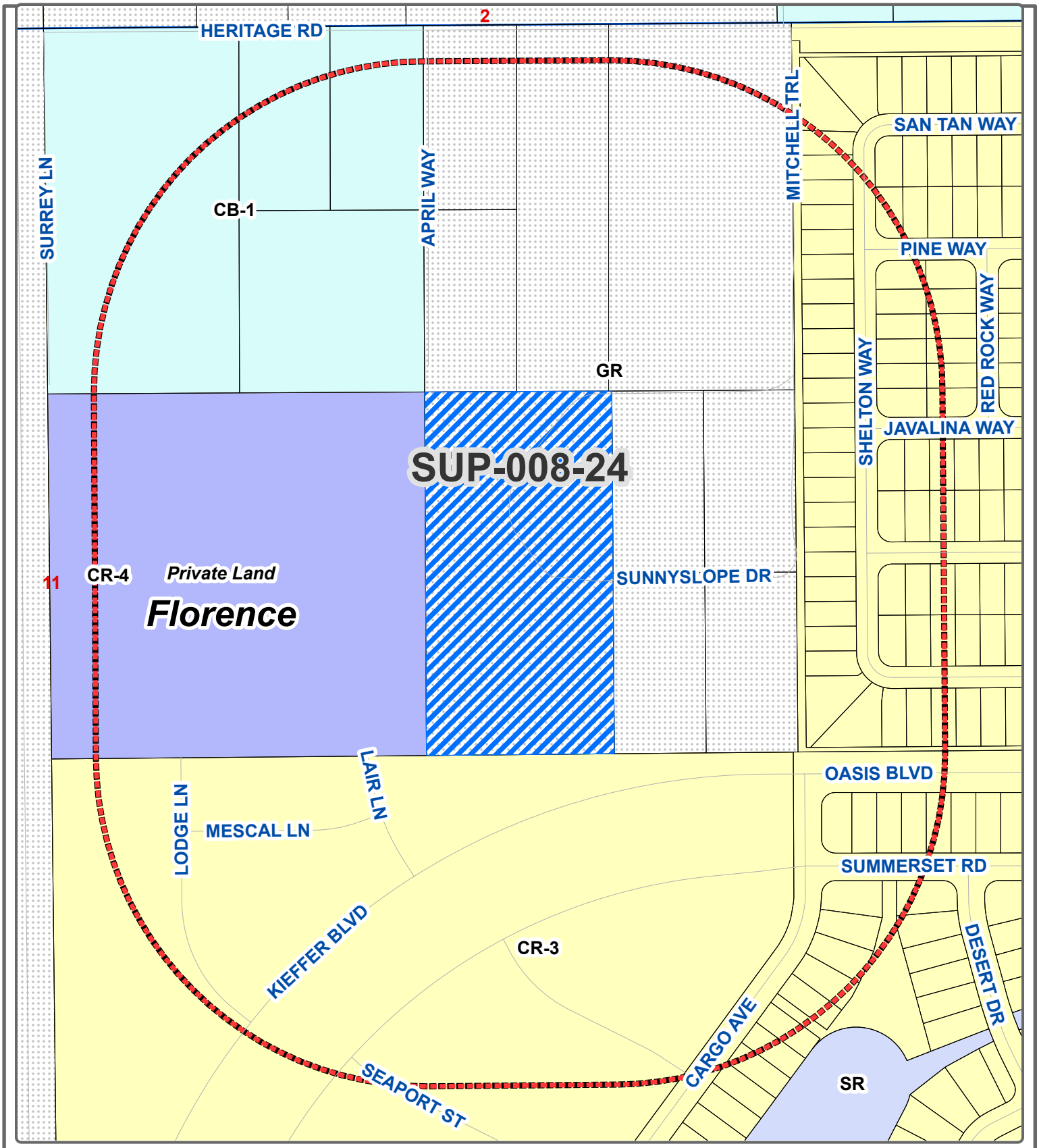
PINAL COUNTY
WIDE OPEN OPPORTUNITY

Legal Description:

Situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SEC 11, TWN 04S, RNG 08E

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	Drawn By: GIS / IT / LJT		Date: 09/12/2024
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Community Development

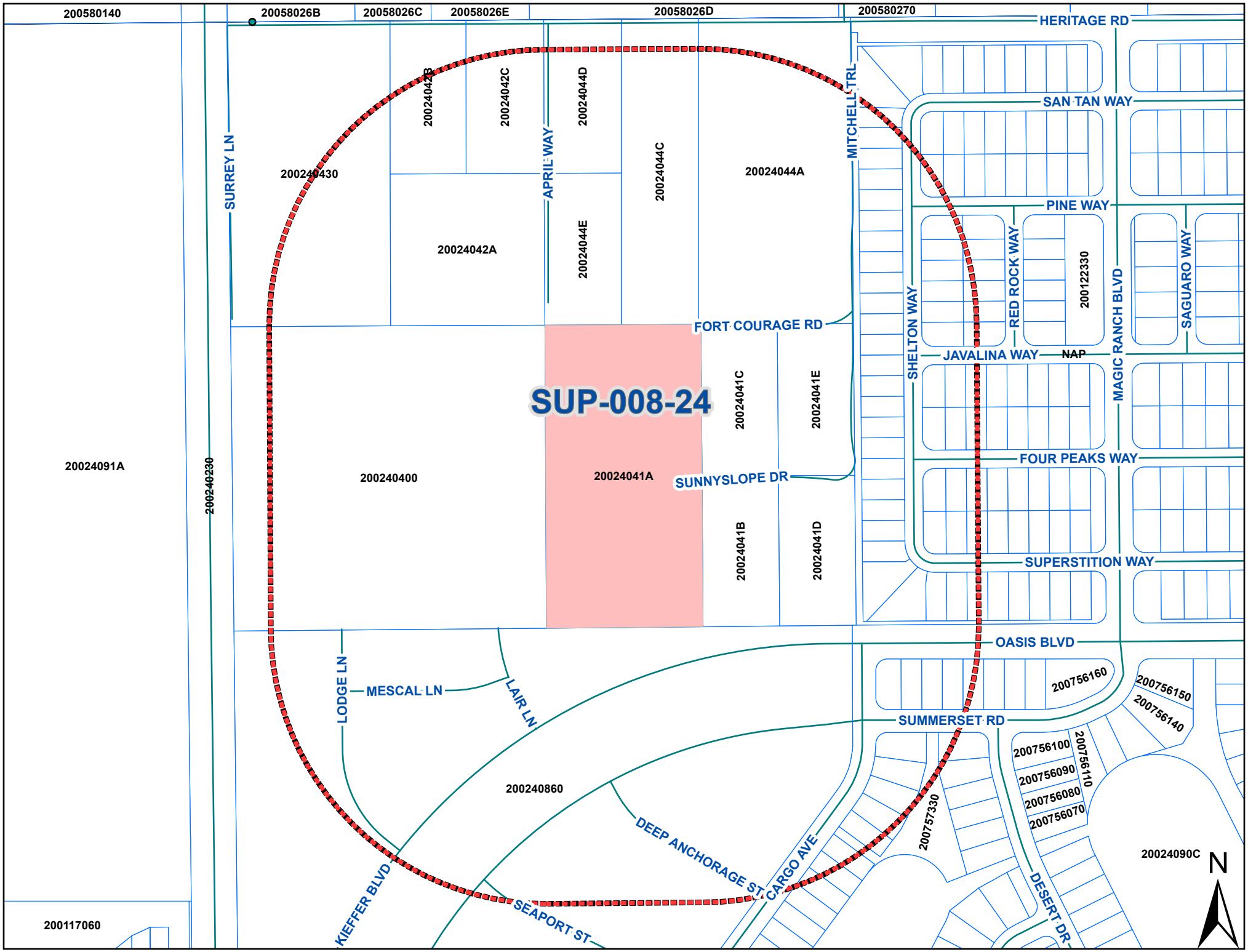
Owner/Applicant: Shannon McCrea - State 48 Consul & Vertical Bridge - Keith Larson	**Legal Description:** Situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County. SEC 11, TWN 04S, RNG 08E	Current Zoning: GR Request Zoning: Rezone Current Land Use: MLDR
Drawn By: GIS/IT - LJT; **Date:** 09/12/2024		
Section 11; **Township** 04S; **Range** 08E		
Case Number: SUP-008-24	**Sheet No.** 1 of 1	PINAL COUNTY WIDE OPEN OPPORTUNITY



Community Development

PINAL COUNTY
WIDE OPEN OPPORTUNITY

SUP-008-24


SUP-008-24
200580140
20058026B
20058026C
20058026E
20058026D
200580270
HERITAGE RD
SURREY LN
MITCHELL TRL
SAN TAN WAY
PINE WAY
APRIL WAY
SHELTON WAY
RED ROCK WAY
SAGUARO WAY
MAGIC RANCH BLVD
JAVALINA WAY
NAP
FORT COURAGE RD
SUNNYSLOPE DR
FOUR PEAKS WAY
SUPERSTITION WAY
OASIS BLVD
LODGE LN
MESCAL LN
LAIR LN
SUMMERSET RD
DEEP ANCHORAGE ST
CARGO AVE
DESERT DR
KIEFFER BLVD
SEAPORT ST
200240430
20024042B
20024042C
20024044D
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PINAL COUNTY
WIDE OPEN OPPORTUNITY

INFORMATION ABOUT CONSENT TO CONDITIONS/STIPULATIONS AND WAIVER OF CLAIMS FOR DIMINUTION IN VALUE

Pinal County, as part of the application process concerning land use requests, is now requesting that property owners or their authorized agents execute and return the attached Consent and Waiver. This policy is a result of that part of the Private Property Rights Protection Act (Proposition 207) that deals with regulatory takings and changes in land uses (A.R.S. §§12-1134 – 12-1138).

By signing the Consent and Waiver, the property owner agrees and consents to all conditions and stipulations in conjunction with the property owner's application, acknowledges that approval of the application might affect current or existing rights to use, divide, sell or possess the owner's property, and waives any right to compensation for diminution in value that may result from approval.

The Consent and Waiver form will be provided at the Concept Review Meeting to allow ample time for review. Should the Pinal County Planning and Zoning Commission ("Commission") recommend approval of the property owner's application, the form will again be provided to applicant together with the Commission's recommended stipulations/conditions. These materials will be provided to the applicant via e-mail, within three business days of the Planning Commission hearing. The property owner is requested to return the executed document to the Pinal County Planning and Development Department within 10 working days so that the document can be inserted into the packet to be presented to the Supervisors as part of the planning staff's report.

If an owner does not sign the Consent and Waiver, the application will continue through the normal County process. The Supervisors will be informed of the refusal and this will be one of the factors considered by the Supervisors.

If the Commission recommends denial of the property owner's application but the Supervisors decide to approve the application, the property owner will be requested to sign the Consent and Waiver with attached conditions/stipulations and conditions, after the Board of Supervisors' hearing.

CONSENT TO SCHEDULE FOR DEVELOPMENT AND CONDITIONS/STIPULATIONS AND WAIVER OF CLAIMS FOR DIMINUTION IN VALUE

This Consent to Schedule for Development and Conditions/Stipulations and Waiver of Claims for Diminution in Value ("Consent and Waiver") is made in favor of Pinal County (the "County") by Keith Larson ("Owner").

Owner warrants and represents that Owner is the fee title owner of the property described herein, and that no other entity or person has an ownership interest in the property. Prior to Owner's transfer, sale or conveyance of all or any part of its right, title and interest in the Property at any time within thirty (30) days of the County's approval of Owner's application described herein, Owner shall notify the County of said transfer, sale or conveyance and shall require the new Owner to execute and agree to this Consent and Waiver as part of any transfer, sale or conveyance of the property described herein.

Owner acknowledges that A.R.S. § 12-1134 of the Arizona Private Property Rights Protection Act provides in some cases that a county is required to pay just compensation to a landowner if the County approves a land use law that reduces the fair market value of the owner's property. Owner further acknowledges that A.R.S. § 12-1134 authorizes a private property owner to waive any claim for diminution in value of property in connection with any action proposed by a county or any action requested by the property owner.

Owner has submitted an application to Pinal County ("County") requesting the County approve a Special Use Permit for development of the following described property ("Property"):

["Legal description is attached hereto as Exhibit "A."]

By signing below, Owner agrees and consents to the Schedule for Development and all the conditions/stipulations imposed by Pinal County in conjunction with the approval of the Special Use Permit, Case No. SUP-008-24, which are attached hereto as

["Stipulations are attached here to as Exhibit "B."]

By signing below, Owner acknowledges that the approval of the Special Use Permit, Case No. SUP-008-24, might affect existing rights to use, divide, sell or possess the Property. By signing below, Owner hereby waives any and all rights to claim compensation for diminution in value pursuant to A.R.S. §12-1134 that may now or in the future exist as a result of the approval of the Special Use Permit, Case No. SUP-008-24, and the Schedule for Development and conditions/stipulations imposed in conjunction with the approval. Owner waives any and all rights to claim compensation for diminution in value for any action taken by the County to rescind approval of Special Use Permit in Case No. SUP-008-24 because of non-compliance with the Schedule for Development and/or any of the approved conditions/stipulations.

This Consent and Waiver shall run with the land and shall be binding upon all present and subsequent property owners.

Owner consents to the recordation of this Consent and Waiver after approval of the above-referenced case by the County. If Owner withdraws its application prior to final action of the County or the County denies the application, Owner is released from this Consent and Waiver.

OWNER: KEITH M LARSEN
[Print Entity Name]

Signature

Its: _____
[Title, if applicable]

Dated: 11-4-24

OWNER: Jonette Spencer
[Print Entity Name]

Signature

Its: _____
[Title, if applicable]

Dated: 11-4-24

INDIVIDUAL ACKNOWLEDGMENT
[To be filled out if NOT a corporation, partnership, or trust]

STATE OF ARIZONA)
) ss.
COUNTY OF PINAL)

The foregoing instrument was acknowledged before me this 4th day of November, 2024, by Keith Larsen / Jonette Spencer
[Insert Name of Signor(s)]

Notary Public

My commission expires: 08/13/2027

ASHLEY GEORGE, NOTARY PUBLIC COMM. NO. 654500 COMM. EXP. 08-13-27 PINAL CO., AZ

CORPORATION, OFFICER, PARTNER OR TRUSTEE ACKNOWLEDGMENT
[To be filled out if a corporation, partnership, or trust]

STATE OF _____)
) ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me, this ____ day of _____, _____, by _____ as _____
[Insert Name of Officer] *[Insert Title]*
of _____, an _____ corporation,
[Insert Name of Company] *[Insert State of Incorporation]*
who being authorized to do so, executed the foregoing instrument on behalf of said entity for the purposes stated therein.

_____ _____
Notary Public

My commission expires: _____

ALTERNATE ACKNOWLEDGMENT: ***Use only when a second company is signing on behalf of owner***:

STATE OF _____)
) ss.
COUNTY OF _____)

The foregoing instrument was acknowledged before me, this ____ day of _____, _____, by _____as _____

[Insert Signor's Name] ***[Insert Title]***

of _____, an _____ corporation,

[Insert Name of Second Company] ***[Insert State of Incorporation]***

as _____ *for* _____

[*i.e. member, manager, etc.*] **[*Owner's Name*]**

who being authorized to do so, executed the foregoing instrument on behalf of said entities for the purposes stated therein.

_____
Notary Public

My commission expires: _____

EXHIBIT A

PARENT PARCEL:

LOT 5 OF RESULTS OF SURVEY, MINOR LAND DIVISION AS RECORDED IN FEE NUMBER 2000-040416, RECORDS OF PINAL COUNTY, ARIZONA

LEASE AREA:

A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04'47" WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 00°26'46" EAST 50.00 FEET;

THENCE SOUTH 89°33'14" WEST 50.00 FEET;

THENCE NORTH 00°26'46" WEST 50.00 FEET;

THENCE NORTH 89°33'14" EAST 50.00 FEET TO THE POINT OF BEGINNING.

HAVING A TOTAL AREA OF 2500 SQ. FT. MORE OR LESS.

EXHIBIT B

1. All Federal (FCC), State and County regulations shall be adhered to and all required approvals, plans, submittal documents, and permits submitted and obtained; including, but not limited to, planning clearance, building, sewage disposal, right-of-way use permit, handling and disposal of waste water, air quality permit, security lighting, fire protection, landscaping, signage, etc.;

2. Submit an R.F. Engineer's certification within thirty days of BOS approval, that the facilities comply with all Federal Aviation Administration (FAA), and that the radiation meets Federal Communication Commission (FCC) requirements. Should interference be determined to exist with the WAPA Communications equipment, building permits shall not be issued until the interference issues are resolved to the satisfaction of Pinal County Community Development;

3. The applicant/property owner shall meet the requirements of the International Fire Code, as adopted by Pinal County and administered by the Pinal County Building Safety Department;

4. All construction activity must conform to the Earthmoving Activity requirements of the Pinal County Air Quality Control District;

5. Paving will be provided on the following: 24 foot driveway & access drive, within the site, and on parking area; Applicable to site access portion of N Cotswold Ln, additional road access improvement requirements must be met as determined by County Engineer(s) and other County Divisions/personnel;

6. An Air Quality industrial permit may be required if there is a generator installed;

7. The layout, design and set up of the wireless communication facility shall be as shown and set forth on the applicant's site plan as submitted with this application for a Special Use Permit;

8. Any change or expansion of use shall require approval by the Board of Supervisors;

9. At such time the wireless communication facility is no longer needed, it shall be removed from the subject property within 180 day at the expense of the applicant;

10. The applicant shall keep the property free of trash, litter and debris;

11. Violation of these conditions at any time may invoke revocation proceedings by the Pinal County Community Development Department;

12. A site plan process would be initiated by the applicant after the SUP is approved by the BOS; and

13. Approval of this Special Use Permit is tied to the lease area portion of parcel number 200-24-041A in which the WCF is situated;

NOTICE OF PUBLIC HEARING BY THE PINAL COUNTY BOARD OF SUPERVISORS AT 9:30 A.M. ON THE **20TH** DAY OF **NOVEMBER 2024**, AT THE PINAL COUNTY ADMINISTRATIVE COMPLEX, IN THE BOARD OF SUPERVISORS HEARING ROOM, 135 N. PINAL STREET, FLORENCE TO CONSIDER AN APPLICATION FOR A **SPECIAL USE PERMIT** IN AN UNINCORPORATED AREA OF PINAL COUNTY.

SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

At least 24 hours prior to the public hearing, documents pertaining to these requests are available for public inspection at the Pinal County Planning and Development Department, Pinal County Complex, 85 N. Florence Street, Florence, Arizona, Monday through Friday between the hours of 8:30 a.m. and 4:30 p.m. and on the internet at:

https://www.pinal.gov/236/Notice-of-Hearings

ALL PERSONS INTERESTED IN THESE MATTERS MAY APPEAR AT THE PUBLIC HEARING AT THE DATE, TIME AND PLACE DESIGNATED ABOVE AND STATE THEIR APPROVAL OR OBJECTION TO THE PROPOSED AMENDMENT.PROTESTS TO THE REZONING AND/OR PAD OVERLAY ZONE BY 20% OF THE PROPERTY OWNERS BY AREA AND NUMBER WITHIN 300 FEET OF THE PROPERTY PROPOSED FOR REZONING WILL REQUIRE AN AFFIRMATIVE VOTE OF THREE-FOURTHS OF ALL MEMBERS OF THE BOARD OF SUPERVISORS FOR APPROVAL.

DATED this **22ND** day of **OCTOBER 2024**, Pinal County Development Services Dept.

A WRITTEN STATEMENT OF APPROVAL OR PROTEST MAY BE FILED WITH THE PINAL COUNTY PLANNING & DEVELOPMENT DEPARTMENT, P.O. BOX 749, FLORENCE AZ 85132 STATEMENT MUST CONTAIN THE FOLLOWING INFORMATION:

1) Planning Case Number (see above)
2) Your name, address, telephone number and property tax parcel number (Print or type)
3) A brief statement of reasons for supporting or opposing the request
4) Whether or not your wish to appear and be heard at the hearing

Contact for this matter: Patrick Zaia-Roberts, Senior Planner
E-mail address: Patrick.Roberts@pinal.gov
Phone # (520) 866-6409

[*Anything below this line is not for publication*.]

PUBLISHED ONCE:
Pinal Central Dispatch

EXHIBIT A

PARENT PARCEL:

LOT 5 OF RESULTS OF SURVEY, MINOR LAND DIVISION AS RECORDED IN FEE NUMBER 2000-040416, RECORDS OF PINAL COUNTY, ARIZONA

LEASE AREA:

A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04’47” WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 00°26’46” EAST 50.00 FEET;

THENCE SOUTH 89°33’14” WEST 50.00 FEET;

THENCE NORTH 00°26’46” WEST 50.00 FEET;

THENCE NORTH 89°33’14” EAST 50.00 FEET TO THE POINT OF BEGINNING.

HAVING A TOTAL AREA OF 2500 SQ. FT. MORE OR LESS.

Pinal Central Dispatch

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Pinal Central Dispatch

Publication URL:
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Publication City and State:
Casa Grande, AZ

Publication County:
Pinal

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Notice URL:

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Notice Publish Date:
Thursday, October 31, 2024

Notice Content

NOTICE OF PUBLIC HEARING BY THE PINAL COUNTY BOARD OF SUPERVISORS AT 9:30 A.M. ON THE 20TH DAY OF NOVEMBER 2024, AT THE PINAL COUNTY ADMINISTRATIVE COMPLEX, IN THE BOARD OF SUPERVISORS HEARING ROOM, 135 N. PINAL STREET, FLORENCE TO CONSIDER AN APPLICATION FOR A SPECIAL USE PERMIT IN AN UNINCORPORATED AREA OF PINAL COUNTY. SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County. At least 24 hours prior to the public hearing, documents pertaining to these requests are available for public inspection at the Pinal County Planning and Development Department, Pinal County Complex, 85 N. Florence Street, Florence, Arizona, Monday through Friday between the hours of 8:30 a.m. and 4:30 p.m. and on the internet at: https://www.pinal.gov/236/Notice-of-Hearings ALL PERSONS INTERESTED IN THESE MATTERS MAY APPEAR AT THE PUBLIC HEARING AT THE DATE, TIME AND PLACE DESIGNATED ABOVE AND STATE THEIR APPROVAL OR OBJECTION TO THE PROPOSED AMENDMENT PROTESTS TO THE REZONING AND/OR PAD OVERLAY ZONE BY 20% OF THE PROPERTY OWNERS BY AREA AND NUMBER WITHIN 300 FEET OF THE PROPERTY PROPOSED FOR REZONING WILL REQUIRE AN AFFIRMATIVE VOTE OF THREE-FOURTHS OF ALL MEMBERS OF THE BOARD OF SUPERVISORS FOR APPROVAL. DATED this 22ND day of OCTOBER 2024, Pinal County Development Services Dept. A WRITTEN STATEMENT OF APPROVAL OR PROTEST MAY BE FILED WITH THE PINAL COUNTY PLANNING & DEVELOPMENT DEPARTMENT, P.O. BOX 749, FLORENCE AZ 85132 STATEMENT MUST CONTAIN THE FOLLOWING INFORMATION: 1) Planning Case Number (see above) 2) Your name, address, telephone number and property tax parcel number (Print or type) 3) A brief statement of reasons for supporting or opposing the request 4) Whether or not your wish to appear and be heard at the hearing Contact for this matter: Patrick Zaia-Roberts, Senior Planner E-mail address: Patrick.Roberts@pinal.gov Phone # (520) 866-6409 No. of publications: 1: date of publication: Oct 31, 2024

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Leo Lew
County Manager

MEETING DATE: OCTOBER 3, 2024 (Continued from Sept. 25 2024 Meeting)

TO: PINAL COUNTY PLANNING & ZONING COMMISSION

CASE NO.: **SUP-008-24 (Vertical Bridge US-AZ-5186)**

CASE COORDINATOR: PATRICK ZAIA-ROBERTS, SENIOR PLANNER

Executive Summary:

This is a request for a Special Use Permit, on behalf of Keith Larson, Owner, Shannon McCrea – State 48 Consulting, agent, requesting approval of a new Wireless Communication Facility (WCF) on 5.07± acre parcel, in the General Rural (GR) Zoning District.

If This Request is Approved:

The Special Use Permit would allow installation of a new, stealth designed Wireless Communication Facility (WCF) on parcel 200-24-041A.

LEGAL DESCRIPTION: (Legal on File)

TAX PARCELS: 200-24-041A

LANDOWNER/APPLICANT: Keith Larson (Owner)
Shannon McCrea – State 48 Consulting (agent/applicant)

REQUESTED ACTION & PURPOSE:

SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A (legal on file) situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

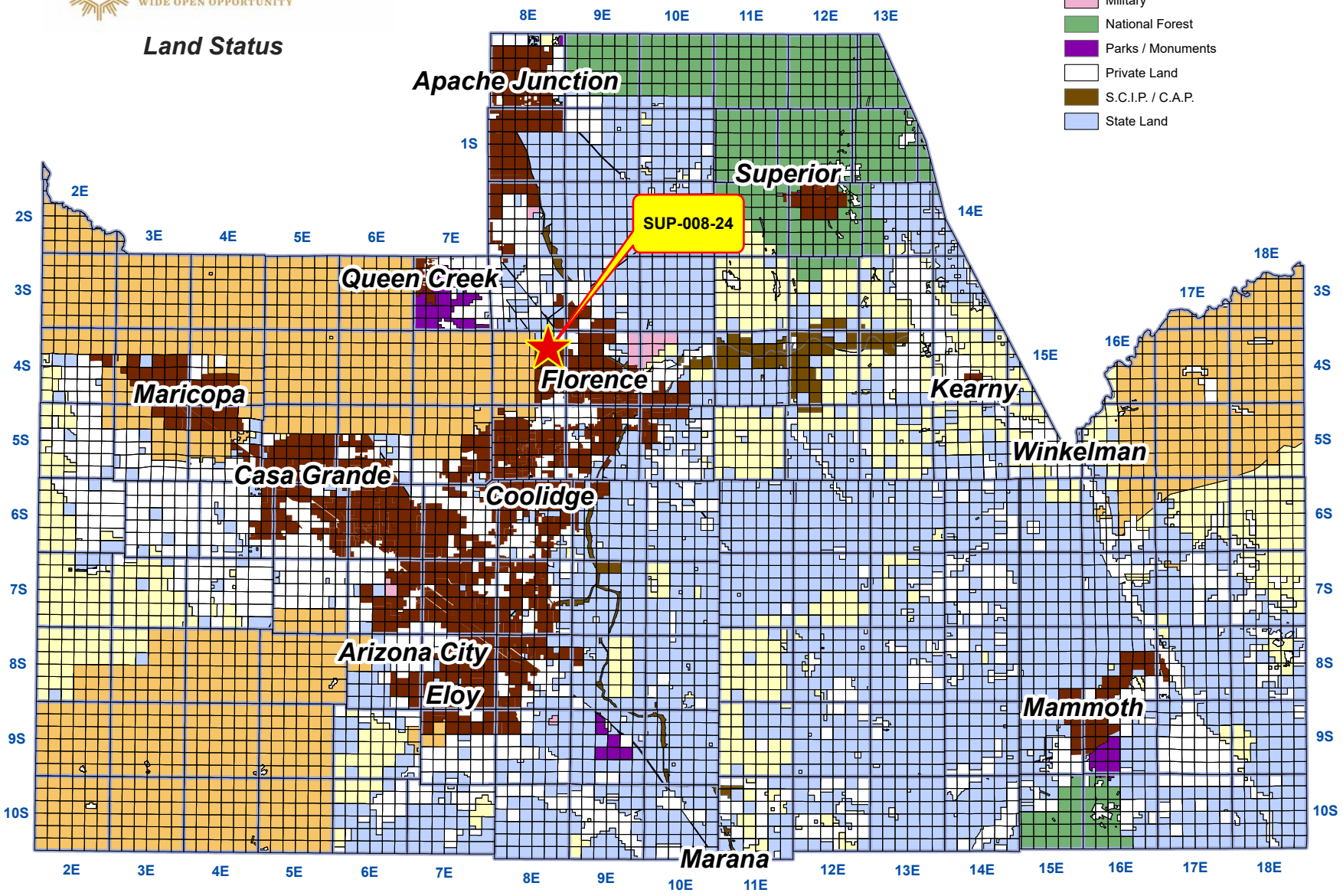
SIZE: 5.07± acres.

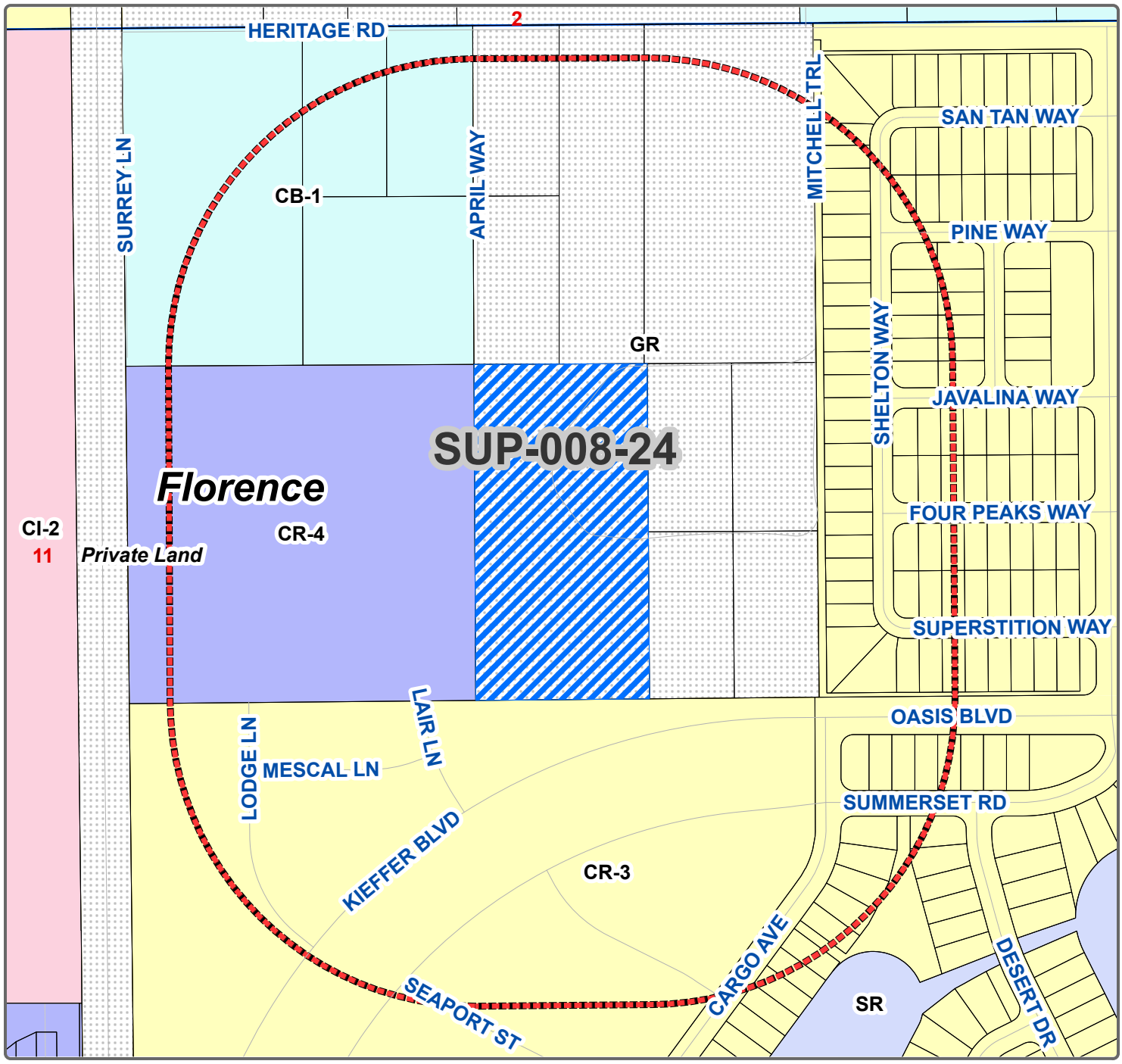
COMPREHENSIVE PLAN: The land use designation for the subject site is Moderate Low Density Residential (1-3.5du/ac).

EXISTING ZONING: The property is within the General Rural Zoning District (GR).

PINAL COUNTY
WIDE OPEN OPPORTUNITY

Land Status





Community Development

SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

Current Zoning: GR	Requested Zoning: Rezone	Current Land Use: MLDR

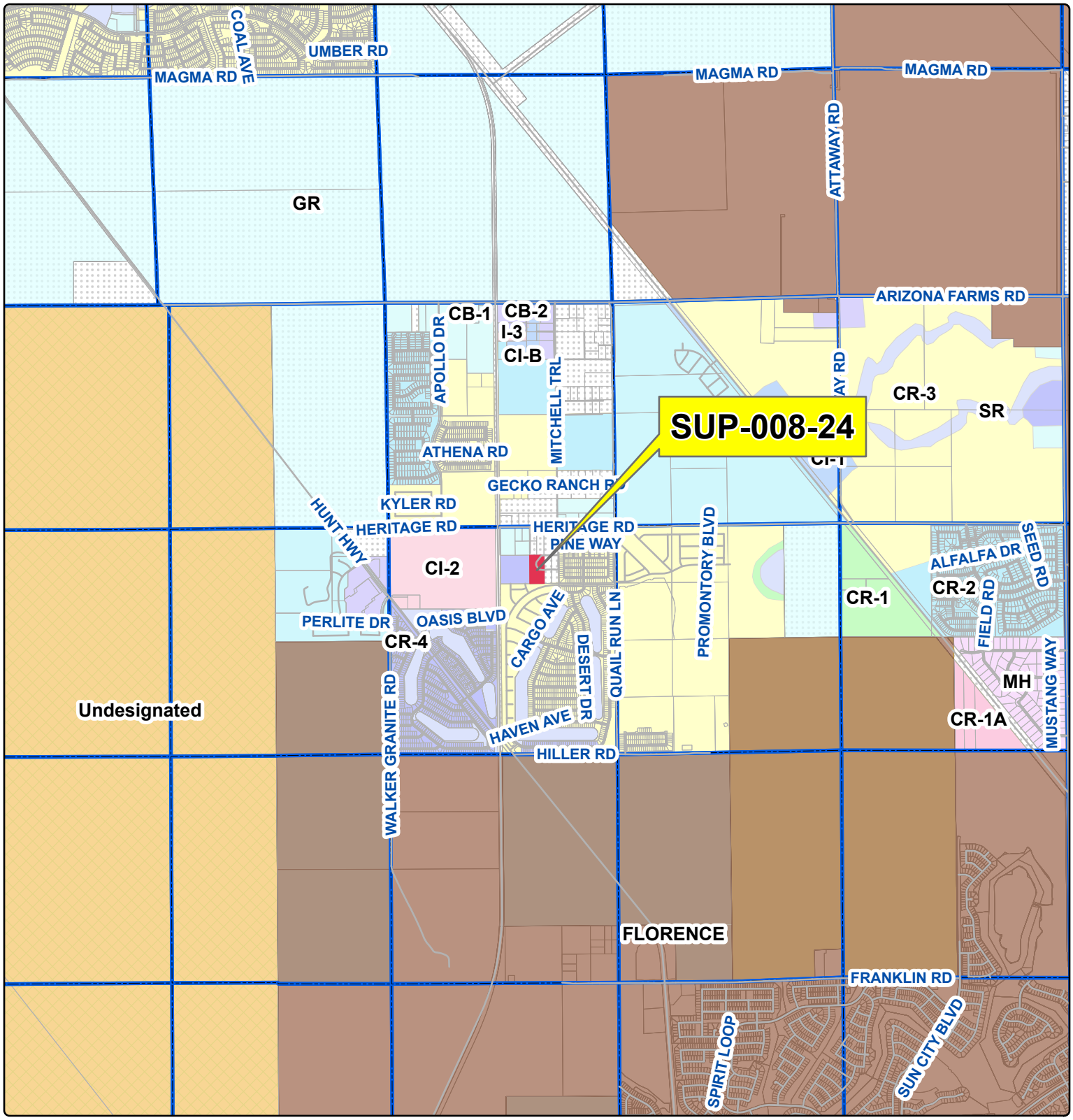
PINAL COUNTY
WIDE OPEN OPPORTUNITY

Legal Description:

Situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SEC 11, TWN 04S, RNG 08E

Sheet No. 1 of 1	Owner/Applicant: SHANNON MCCREA - STATE 48 CONSUL & VERTICAL BRIDGE - KEITH LARSON		
	Drawn By: GIS / IT /LJT		Date: 09/12/2024
	Section 11	Township 04S	Range 08E
	Case Number: SUP-008-24		



Community Development

PINAL COUNTY
WIDE OPEN OPPORTUNITY

Legal Description:

Situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SEC 11, TWN 04S, RNG 08E

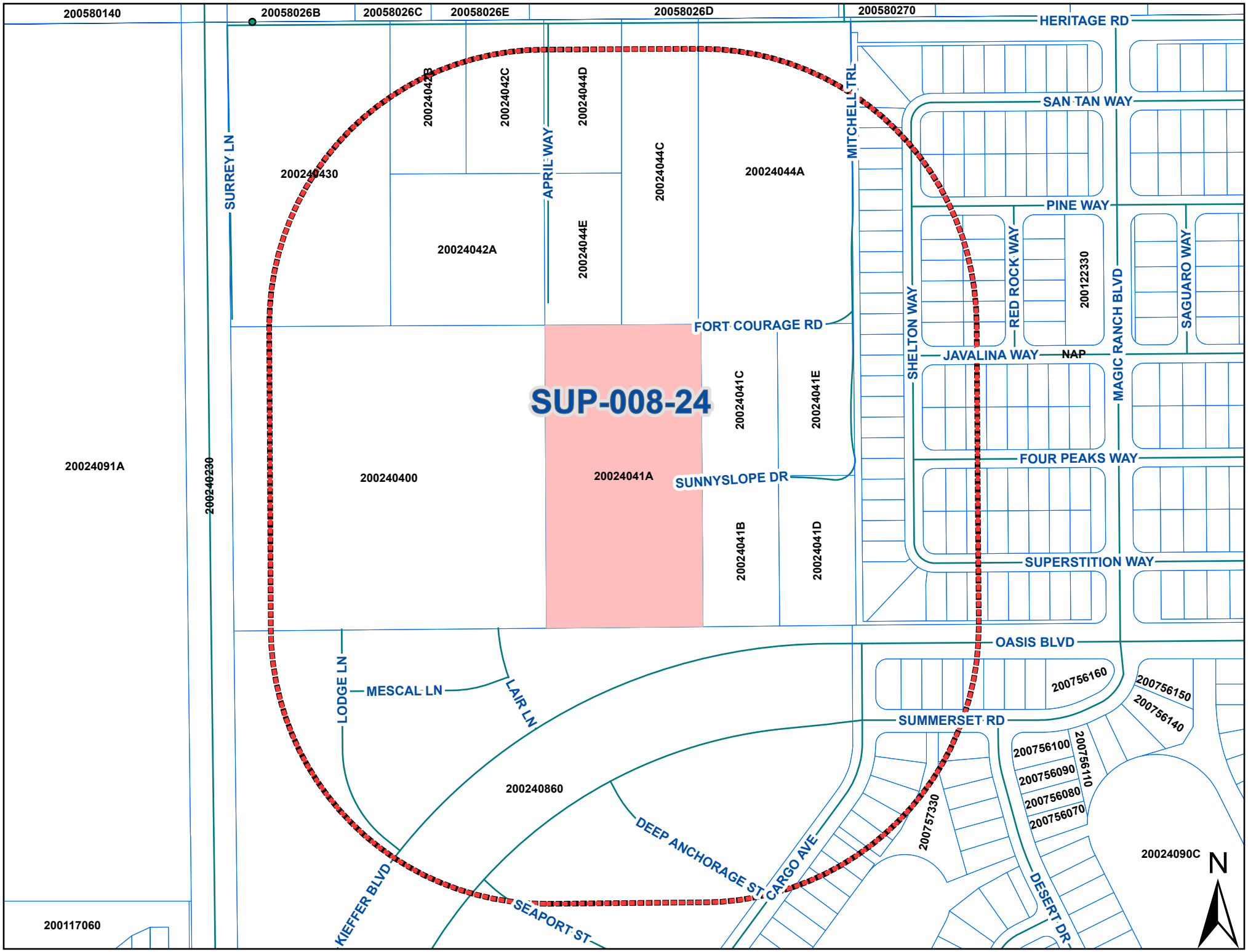
Sheet No. 1 of 1	Owner/Applicant: SHANNON MCCREA - STATE 48 CONSUL & VERTICAL BRIDGE - KEITH LARSON		
	Drawn By: GIS / IT / LJT		Date: 09/12/2024
	Section 11	Township 04S	Range 08E
	Case Number: SUP-008-24		



Community Development

PINAL COUNTY
WIDE OPEN OPPORTUNITY

SUP-008-24


SUP-008-24
200580140
20058026B
20058026C
20058026E
20058026D
200580270
HERITAGE RD
SURREY LN
MITCHELL TRL
SAN TAN WAY
PINE WAY
APRIL WAY
SHELTON WAY
RED ROCK WAY
SAGUARO WAY
MAGIC RANCH BLVD
JAVALINA WAY
NAP
FORT COURAGE RD
SUNNYSLOPE DR
FOUR PEAKS WAY
SUPERSTITION WAY
OASIS BLVD
LODGE LN
MESCAL LN
LAIR LN
SUMMERSET RD
DEEP ANCHORAGE ST
CARGO AVE
DESERT DR
KIEFFER BLVD
SEAPORT ST
200240430
20024042B
20024042C
20024044D
20024044C
20024044A
20024042A
20024044E
20024041C
20024041E
20024041A
20024041B
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200756160
200756150
200756140
200756100
200756110
200756090
200756080
200756070
200757330
20024090C
200117060
N

SURROUNDING ZONING AND LAND USE:
North: General Rural (GR); Residential
South: CR-3, Residential
East: CR-3, Residential
West: CR-4, Vacant

PUBLIC PARTICIPATION:

Neighborhood Meeting(s):	February 1, 2024
Mail outs:	Week of September 9, 2024
Newspaper Advertising:	September 5, 2024
Site posting, Applicant:	September 4, 2024
Site posting, County:	September 9, 2024

FINDINGS

SITE DATA: Flood zone: Site is situated in Flood Zone X – Area of Minimal Flood Hazard.

ACCESS: The subject parcel is located at 6497 E Sunnyslope Rd, Florence, AZ 85132. The lease area of the property can be accessed off E Sunnyslope Dr, which is classified as public right of way.

HISTORY: Existing on the site is a Manufactured Home single-residence with an onsite septic system. The building was placed on the site approximately in 1998. In 2016, a building permit was issued to construct a work shop structure as an accessory building on the south side of the property.

ANALYSIS:
The applicant is requesting a Special Use Permit for the construction of a new Wireless Communications Facility (WCF) located on a General Rural (GR) zoned parcel that currently hosts a single-residence. The structure within the WCF will be of stealth design per § 2.205.050 of County Code. The 85 foot, Mono-elm designed structure will be located within an 8 foot high, CMU wall that will blend in with surrounding desert landscape by appropriate paint selection of light tan. The dimension of the entire leased compound area is approximately 50’ by 50’ to be located on the North half of the parcel. To mitigate any safety issues, the WCF will abide by the required 1:1 setback ratio. The setbacks are as follows:

North: ±110’
South: ±526’
West: ±198’
East: ±134’

As described by the applicant and in provided documentation, this Wireless Communication Facility (WCF) will enhance cellular coverage, which is currently limited in this area. The propagation maps enclosed are evident of the expressed expansion of network coverage. This project proposes network improvements that will improve network reliability for residents, businesses and visitors in this area while providing an enhancement to emergency services. The design specifications of the tower are provided in such a way as to allow for future collocations and provide a stealth element that enhances the visual aspect of the proposed tower.

Other elements of the site that uphold County requirements and of which the applicant has complied with include 24' wide paved access, parking space to meet Americans with Disabilities Act (ADA) dimensions, and cut-off timed lighting.

Staff finds that the site plan, narrative, and additional documents suffice for an adequate Special Use Permit submission, and does not identify any potential harm to the immediate area or broader public.

To date, the County has received no letters of opposition for this case. The applicant's neighborhood meeting report indicates that a public meeting was held at which there were no attendees. To date, the applicant has received no public comments.

Comments have been solicited from other divisions pertaining to this project in relation to their specific subfield. Comments of significance are listed below:

Air Quality

1. Paved access into the project, within the project, and on parking area is required.
2. Air quality dust registration will be required prior to project construction.
    a. Applicant is to note that all construction activity must conform to the earthmoving activity requirements in accordance with Section §4-3-160 through 190 of Pinal County's Air Quality Code of Regulations.
3. If generators are installed, an Air Quality Industrial Permit will be required.

SUMMARY:

After review and analysis of the proposed application Staff finds that Shannon McCrea – State 48 Consulting (applicant/agent) has submitted the proper application and evidence sufficient to warrant a staff recommendation as provided in the Ordinance. Staff provides the following summary of findings together with the information of this staff report:

1. The Special Use Permit would allow the construction of a WCF that meets all requirements of County Code and FCC Regulations.
    a. Stealth design will complement surrounding environment.
    b. Tower is designed in a way to afford collocations to future uses.
    c. Paved access, compound, and parking will remediate Air Quality concerns.
2. As shown by propagation maps, the WCF will provide the area with improved high quality reliable wireless service, in addition to enhancing emergency services.
3. A thorough analysis of the project has been conducted in collaboration with additonal County professionals and no immediate harm or risk to the local community or broader public has been identified.

The zoning ordinance identifies factors for consideration when reviewing special use permit requests under section 2.151.010 (O). These factors include, but are not limited to:

- **Traffic conditions;**
- **Provision of services and utilities to the site;**
- **The relationship of the proposed special use and surrounding uses;**
- **Whether the proposed use is beneficial to the public health, safety and general welfare of the community;**
- **Access to streets that are adequately designed and constructed to handle the volume generated by the use;**
- **Does not result in the use of a residential street for non-residential through traffic;**

- **Whether adequate measures have been taken to mitigate off-site impacts such as dust, smoke, noise, odors, lights or storm water runoff;**
- **The need for the proposed special use in the neighborhood/community;**
- **Public input.**

And specifically for wireless facilities:

- **Any neighborhood opposition, either written or verbal, received by the applicant;**
- **Possibilities for camouflage that have been explored, and why the proposed option was chosen; and a description of alternative sites that have been explored;**
- **A description of possibilities for using a greater number of shorter monopoles or towers in place of the proposed facility**
- **Information on the willingness of the landowner and the service provider to allow other service providers to co-locate on the proposed facility; and**
- **Potential gaps that could impede the provision of services if this request is not approved.**

At the public hearing, the Commission needs to be satisfied that the health, safety and welfare of the County and adjacent properties will not be negatively impacted by this Special Use Permit request under Planning Case **SUP-008-24**. Furthermore, the Commission must determine that this Special Use Permit will promote the orderly growth and development of the County, at this location and time, and this proposed development is compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan.

THE BURDEN OF PROOF IS UPON THE APPLICANT TO PROVIDE THE NECESSARY AND REQUIRED INFORMATION AT THE PUBLIC HEARING. THE APPLICANT NEEDS TO BE PREPARED TO ADDRESS AND MITIGATE, AS APPLICABLE, THE FOLLOWING ISSUES AND CONCERNS:

A) LAND USE, PERIMETER WALLS, SIGNAGE, SETBACKS, INGRESS/EGRESS & LANDSCAPING
B) PUBLIC SERVICES - SEWER, WATER, UTILITIES, DRAINAGE
C) NEIGHBORHOOD IMPACT
D) FLOOD CONTROL
E) TRAFFIC IMPACT
F) COMPATIBILITY/CONSISTENCY WITH PINAL COUNTY COMPREHENSIVE PLAN
G) BENEFITS/DETRIMENTS TO PINAL COUNTY

Should the Commission find, after the presentation of the applicant and together with the testimony and evidence presented at the public hearing, that this Special Use Permit request is needed and necessary at this location and time, will not negatively impact adjacent properties, will promote orderly growth and development of the County, and will be compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan, then the Commission may forward **SUP-008-24** to the Board of Supervisors with a **recommendation of approval with the 13 attached stipulations**. If the Commission cannot find the factors listed above to be applicable to this case, then the Commission may forward this case to the Board of Supervisors with a **recommendation of denial**.

To approve: I move the Pinal County Planning and Zoning Commission approve case SUP-008-24 with 13 stipulations as listed in the staff report.

To deny: I move the Pinal County Planning and Zoning Commission deny case SUP-008-24.

STIPULATIONS:

1. All Federal (FCC), State and County regulations shall be adhered to and all required approvals, plans, submittal documents, and permits submitted and obtained; including, but not limited to, planning clearance, building, sewage disposal, right-of-way use permit, handling and disposal of waste water, air quality permit, security lighting, fire protection, landscaping, signage, etc.;

2. Submit an R.F. Engineer's certification within thirty days of BOS approval, that the facilities comply with all Federal Aviation Administration (FAA), and that the radiation meets Federal Communication Commission (FCC) requirements. Should interference be determined to exist with the WAPA Communications equipment, building permits shall not be issued until the interference issues are resolved to the satisfaction of Pinal County Community Development;

3. The applicant/property owner shall meet the requirements of the International Fire Code, as adopted by Pinal County and administered by the Pinal County Building Safety Department;

4. All construction activity must conform to the Earthmoving Activity requirements of the Pinal County Air Quality Control District;

5. Paving will be provided on the following: 24 foot driveway & access drive, within the site, and on parking area; Applicable to site access portion of N Cotswold Ln, additional road access improvement requirements must be met as determined by County Engineer(s) and other County Divisions/personnel;

6. An Air Quality industrial permit may be required if there is a generator installed;

7. The layout, design and set up of the wireless communication facility shall be as shown and set forth on the applicant's site plan as submitted with this application for a Special Use Permit;

8. Any change or expansion of use shall require approval by the Board of Supervisors;

9. At such time the wireless communication facility is no longer needed, it shall be removed from the subject property within 180 day at the expense of the applicant;

10. The applicant shall keep the property free of trash, litter and debris;

11. Violation of these conditions at any time may invoke revocation proceedings by the Pinal County Community Development Department;

12. A site plan process would be initiated by the applicant after the SUP is approved by the BOS; and

13. Approval of this Special Use Permit is tied to the lease area portion of parcel number 200-24-041A in which the WCF is situated;

Date Prepared: 9/16/24 - PZR

Date Revised: 10/3/24 - PZR

Leo Lew
County Manager

MEETING DATE: SEPTEMBER 25, 2024

TO: PINAL COUNTY PLANNING & ZONING COMMISSION

CASE NO.: **SUP-008-24 (Vertical Bridge US-AZ-5186)**

CASE COORDINATOR: PATRICK ZAIA-ROBERTS, SENIOR PLANNER

Executive Summary:
This is a request for a Special Use Permit, on behalf of Keith Larson, Owner, Shannon McCrea – State 48 Consulting, agent, requesting approval of a new Wireless Communication Facility (WCF) on 5.07± acre parcel, in the General Rural (GR) Zoning District.

If This Request is Approved:
The Special Use Permit would allow installation of a new, stealth designed Wireless Communication Facility (WCF) on parcel 200-24-041A.

LEGAL DESCRIPTION: (Legal on File)

TAX PARCELS: 200-24-041A

LANDOWNER/APPLICANT: Keith Larson (Owner)
Shannon McCrea – State 48 Consulting (agent/applicant)

REQUESTED ACTION & PURPOSE:
SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A (legal on file) situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

SIZE: 5.07± acres.

COMPREHENSIVE PLAN: The land use designation for the subject site is Moderate Low Density Residential (1-3.5du/ac).

EXISTING ZONING: The property is within the General Rural Zoning District (GR).

SURROUNDING ZONING AND LAND USE:
North: General Rural (GR); Residential
South: CR-3, Residential
East: CR-3, Residential
West: CR-4, Vacant

PUBLIC PARTICIPATION:

Neighborhood Meeting(s):	February 1, 2024
Mail outs:	Week of September 9, 2024
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Site posting, Applicant:	September 4, 2024
Site posting, County:	September 9, 2024

FINDINGS

SITE DATA: Flood zone: Site is situated in Flood Zone X – Area of Minimal Flood Hazard.

ACCESS: The subject parcel is located at 6497 E Sunnyslope Rd, Florence, AZ 85132. The lease area of the property can be accessed off E Sunnyslope Dr, which is classified as public right of way.

HISTORY: Existing on the site is a Manufactured Home single-residence with an onsite septic system. The building was placed on the site approximately in 1998. In 2016, a building permit was issued to construct a work shop structure as an accessory building on the south side of the property.

ANALYSIS:
The applicant is requesting a Special Use Permit for the construction of a new Wireless Communications Facility (WCF) located on a General Rural (GR) zoned parcel that currently hosts a single-residence. The structure within the WCF will be of stealth design per § 2.205.050 of County Code. The 85 foot, Mono-elm designed structure will be located within an 8 foot high, CMU wall that will blend in with surrounding desert landscape by appropriate paint selection of light tan. The dimension of the entire leased compound area is approximately 50’ by 50’ to be located on the North half of the parcel. To mitigate any safety issues, the WCF will abide by the required 1:1 setback ratio. The setbacks are as follows:

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3. If generators are installed, an Air Quality Industrial Permit will be required.

SUMMARY:

After review and analysis of the proposed application Staff finds that Shannon McCrea – State 48 Consulting (applicant/agent) has submitted the proper application and evidence sufficient to warrant a staff recommendation as provided in the Ordinance. Staff provides the following summary of findings together with the information of this staff report:

1. The Special Use Permit would allow the construction of a WCF that meets all requirements of County Code and FCC Regulations.
    a. Stealth design will complement surrounding environment.
    b. Tower is designed in a way to afford collocations to future uses.
    c. Paved access, compound, and parking will remediate Air Quality concerns.
2. As shown by propagation maps, the WCF will provide the area with improved high quality reliable wireless service, in addition to enhancing emergency services.
3. A thorough analysis of the project has been conducted in collaboration with additonal County professionals and no immediate harm or risk to the local community or broader public has been identified.

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- **Traffic conditions;**
- **Provision of services and utilities to the site;**
- **The relationship of the proposed special use and surrounding uses;**
- **Whether the proposed use is beneficial to the public health, safety and general welfare of the community;**
- **Access to streets that are adequately designed and constructed to handle the volume generated by the use;**
- **Does not result in the use of a residential street for non-residential through traffic;**

- **Whether adequate measures have been taken to mitigate off-site impacts such as dust, smoke, noise, odors, lights or storm water runoff;**
- **The need for the proposed special use in the neighborhood/community;**
- **Public input.**

And specifically for wireless facilities:

- **Any neighborhood opposition, either written or verbal, received by the applicant;**
- **Possibilities for camouflage that have been explored, and why the proposed option was chosen; and a description of alternative sites that have been explored;**
- **A description of possibilities for using a greater number of shorter monopoles or towers in place of the proposed facility**
- **Information on the willingness of the landowner and the service provider to allow other service providers to co-locate on the proposed facility; and**
- **Potential gaps that could impede the provision of services if this request is not approved.**

At the public hearing, the Commission needs to be satisfied that the health, safety and welfare of the County and adjacent properties will not be negatively impacted by this Special Use Permit request under Planning Case **SUP-008-24**. Furthermore, the Commission must determine that this Special Use Permit will promote the orderly growth and development of the County, at this location and time, and this proposed development is compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan.

THE BURDEN OF PROOF IS UPON THE APPLICANT TO PROVIDE THE NECESSARY AND REQUIRED INFORMATION AT THE PUBLIC HEARING. THE APPLICANT NEEDS TO BE PREPARED TO ADDRESS AND MITIGATE, AS APPLICABLE, THE FOLLOWING ISSUES AND CONCERNS:

A) LAND USE, PERIMETER WALLS, SIGNAGE, SETBACKS, INGRESS/EGRESS & LANDSCAPING
B) PUBLIC SERVICES - SEWER, WATER, UTILITIES, DRAINAGE
C) NEIGHBORHOOD IMPACT
D) FLOOD CONTROL
E) TRAFFIC IMPACT
F) COMPATIBILITY/CONSISTENCY WITH PINAL COUNTY COMPREHENSIVE PLAN
G) BENEFITS/DETRIMENTS TO PINAL COUNTY

Should the Commission find, after the presentation of the applicant and together with the testimony and evidence presented at the public hearing, that this Special Use Permit request is needed and necessary at this location and time, will not negatively impact adjacent properties, will promote orderly growth and development of the County, and will be compatible and consistent with the applicable goals and policies of the Pinal County Comprehensive Plan, then the Commission may forward **SUP-008-24** to the Board of Supervisors with a **recommendation of approval with the 13 attached stipulations**. If the Commission cannot find the factors listed above to be applicable to this case, then the Commission may forward this case to the Board of Supervisors with a **recommendation of denial**.

To approve: I move the Pinal County Planning and Zoning Commission approve case SUP-008-24 with 13 stipulations as listed in the staff report.

To deny: I move the Pinal County Planning and Zoning Commission deny case SUP-008-24.

STIPULATIONS:

1. All Federal (FCC), State and County regulations shall be adhered to and all required approvals, plans, submittal documents, and permits submitted and obtained; including, but not limited to, planning clearance, building, sewage disposal, right-of-way use permit, handling and disposal of waste water, air quality permit, security lighting, fire protection, landscaping, signage, etc.;

2. Submit an R.F. Engineer's certification within thirty days of BOS approval, that the facilities comply with all Federal Aviation Administration (FAA), and that the radiation meets Federal Communication Commission (FCC) requirements. Should interference be determined to exist with the WAPA Communications equipment, building permits shall not be issued until the interference issues are resolved to the satisfaction of Pinal County Community Development;

3. The applicant/property owner shall meet the requirements of the International Fire Code, as adopted by Pinal County and administered by the Pinal County Building Safety Department;

4. All construction activity must conform to the Earthmoving Activity requirements of the Pinal County Air Quality Control District;

5. Paving will be provided on the following: 24 foot driveway & access drive, within the site, and on parking area; Applicable to site access portion of N Cotswold Ln, additional road access improvement requirements must be met as determined by County Engineer(s) and other County Divisions/personnel;

6. An Air Quality industrial permit may be required if there is a generator installed;

7. The layout, design and set up of the wireless communication facility shall be as shown and set forth on the applicant's site plan as submitted with this application for a Special Use Permit;

8. Any change or expansion of use shall require approval by the Board of Supervisors;

9. At such time the wireless communication facility is no longer needed, it shall be removed from the subject property within 180 day at the expense of the applicant;

10. The applicant shall keep the property free of trash, litter and debris;

11. Violation of these conditions at any time may invoke revocation proceedings by the Pinal County Community Development Department;

12. A site plan process would be initiated by the applicant after the SUP is approved by the BOS; and

13. Approval of this Special Use Permit is tied to the lease area portion of parcel number 200-24-041A in which the WCF is situated;

Date Prepared: 9/16/24 - PZR

Date Revised: 9/24/24 - PZR

NOTICE OF PUBLIC HEARING BY THE PINAL COUNTY PLANNING AND ZONING COMMISSION AT 9:00 A.M. ON THE **25th** DAY OF **SEPTEMBER 2024**, AT THE PINAL COUNTY ADMINISTRATIVE COMPLEX, EMERGENCY OPERATIONS CENTER (EOC), 301 E 11TH ST, FLORENCE, ARIZONA, TO CONSIDER AN APPLICATION FOR A **SPECIAL USE PERMIT** IN THE UNINCORPORATED AREA OF PINAL COUNTY, ARIZONA.

SUP-008-24 – PUBLIC HEARING/ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

ALL PERSONS INTERESTED IN THIS MATTER MAY APPEAR AND SPEAK AT THE PUBLIC HEARING AT THE DATE, TIME, AND PLACE DESIGNATED ABOVE.

DOCUMENTS PERTAINING TO THIS CASE CAN BE FOUND ON THE NOTICE OF HEARING PAGE FOR THE P&Z COMMISSION AT:
http://pinalcountyaz.gov/CommunityDevelopment/Planning/Pages/NoticeofHearing.aspx#

DATED THIS **26th** DAY OF **AUGUST 2024**, by Pinal County Community Development Dept.

TO QUALIFY FOR FURTHER NOTIFICATION IN THIS LAND USE MATTER YOU MUST FILE WITH THE PLANNING DEPARTMENT A WRITTEN STATEMENT OF SUPPORT OR OPPOSITION TO THE SUBJECT APPLICATION. YOUR STATEMENT **MUST** CONTAIN THE FOLLOWING INFORMATION:

1) Planning Case Number (see above)
2) Your name, address, telephone number and property tax parcel number **(Print or type)**
3) A brief statement of reasons for supporting or opposing the request
4) Whether or not you wish to appear and be heard at the hearing

WRITTEN STATEMENTS MUST BE FILED WITH:
PINAL COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
PO BOX 749 (85 N. FLORENCE STREET)
FLORENCE, AZ 85132

Contact for this matter: Patrick Roberts, Senior Planner
E-mail address: Patrick.Roberts@pinal.gov
Phone # (520) 866-6409

[*Anything below this line is not for publication*.]

PUBLISHED ONCE:
Pinal Central Dispatch

Leo Lew
County Manager

PINAL COUNTY
WIDE OPEN OPPORTUNITY

APPLICATION FOR A SPECIAL USE PERMIT IN AN UNINCORPORATED AREA OF PINAL COUNTY, ARIZONA
(All applications must be typed or written in ink)

Special Use Permit & Property Information:
(Feel free to include answers and "Supporting Information" to these questions in a Supplementary Narrative, when doing so write see narrative on the space provided)

1. Date of Pre-application Meeting: December 12, 2023 **2.** Pre-application Number: Z-PA- 155-23

3. The legal description of the property: See attached legal description

4. Tax Assessor Parcel Number(s): 20024041A **5.** Current Zoning: GR -zoning classification

6. Parcel size: 5.07 acres

7. The existing use of the property is as follows: The location of the proposed WCF is located in a General Rural property.

8. The exact use proposed under this request: Vertical Bridge proposes to install a new 110' Mono-elm (105' Top of Steel, with a 4' Lightning Rod) enclosed within an 8' High CMU wall compound.

9. Is the property located within three (3) miles of an incorporated community? Yes If yes, which ones?
Magic Ranch HOA, SUN CITY ANTHEM AT MERRILL RANCH COMMUNITY ASSOC INC, CRESTFIELD MANOR AT ARIZONA FARMS VILLAGE, and THE VILLAGE OF COOPER BASIN COMMUNITY ASSOCIATION

10. Is an annexation into a municipality currently in progress? No
If yes which one?:

11. Is there a zoning or building violation on the property for which the owner has been cited? No
If yes, Zoning/Building Violation Number:

12. Discuss any recent changes in the area that would support your application i.e.: zone change(s), subdivision approval, Planned Area Development (PAD), utility or street improvements, adopted Comprehensive/Area Plan(s) or similar changes and why this proposed use is needed and necessary at this time: This is a prime location for the proposed WCF, as it's situated in a high-growing area. The surrounding area of the proposed site comprises residential homes, businesses, and emergency services, which would greatly benefit from the increased coverage.

INV#: AMT: DATE: CASE: Xref:

Supporting Information for a Special Use Permit:

1. Provide information as to the use and evidence that it is in accordance with the intent of Section 2.151.010: The subject property is GR a zoning district that is allowed for Special uses.

2. Note any services that are not available to the site. Discuss and improvements of services that would be provided to support the use: Power and fiber are available to the site. If additional power is needed Vertical Bridge will coordinate with the local power company for additional amps.

3. Have you discussed possible conditions that may be placed on the permit with the Planning Department? ■ YES ❑ NO

4. Do you understand that the Pinal County Board of Supervisors may include any conditions it finds necessary to conserve and promote public health safety, convenience and general welfare? ■ YES ❑ NO

5. Do you understand that if a condition is violated, that there is a public process by which your permit may be revoked and declared null and void? ■ YES ❑ NO

6. What is the amount of traffic to be generated? (# of trips/day, deliveries/week). Based on maintenance needs limited to occasional work. , Show ingress/egress on the site plan.

7. How many parking spaces are to be provided (employees and customers)? Non-exclusive tech parking space Indicate these parking spaces on the site plan.

8. Is there a potential for excessive noise (I.E.; children, machinery) or the production of smoke, fumes, dust or glare with this proposed land use? If yes, how will you alleviate these problems for your neighbors? Emergency generator will cycle once per week for 15 minutes. The generator will produce minimal sound for nearby properties.

9. What type of landscaping are you proposing to screen this use from your neighbors? 8' High CMU wall compound . Indicate the landscaping on your site plan.

10. What type of signage are you proposing for the activity? Where will the signs be located, show the locations of signs on your site plan.

11. If the proposed land use involves any type of manufacturing or production process, provide a short synopsis of the processes utilizing diagrams, flowcharts and/or a short narrative.

12. Explain how the appearance and operation of the proposed land use will maintain the integrity and character of the zone in which the Special Use Permit is requested. Per Pinal County code, the WCF will be designed as a Mono-elm (stealth design) to minimize the aesthetic impact on the surrounding community.

PROPERTY OWNERSHIP LIST
(Required for filing all applications)

Instructions: Print Name, Address, City, State, Zip Code and Tax Parcel Number for each property owner within 1000 feet of the subject parcel boundary. Feel free to attach a separate list if generated digitally. Please see "How to use the Buffer Tool" on our FAQ's page if you are generating the list.

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

Parcel No.:
Name:
Address:
City/ST/Zip:

I hereby verify that the name list above was obtained on the 20 day of February, 2024, at the office of Pinal County Assessor and is accurate and complete to the best of my knowledge.
(Source of Information)

On this 20 day of February, 2024 before me personally appeared Shannon McCrea
(Name of signor)

Signature [signature] Date 2/20/24

State of Arizona
) ss.
County of Maricopa

(SEAL)

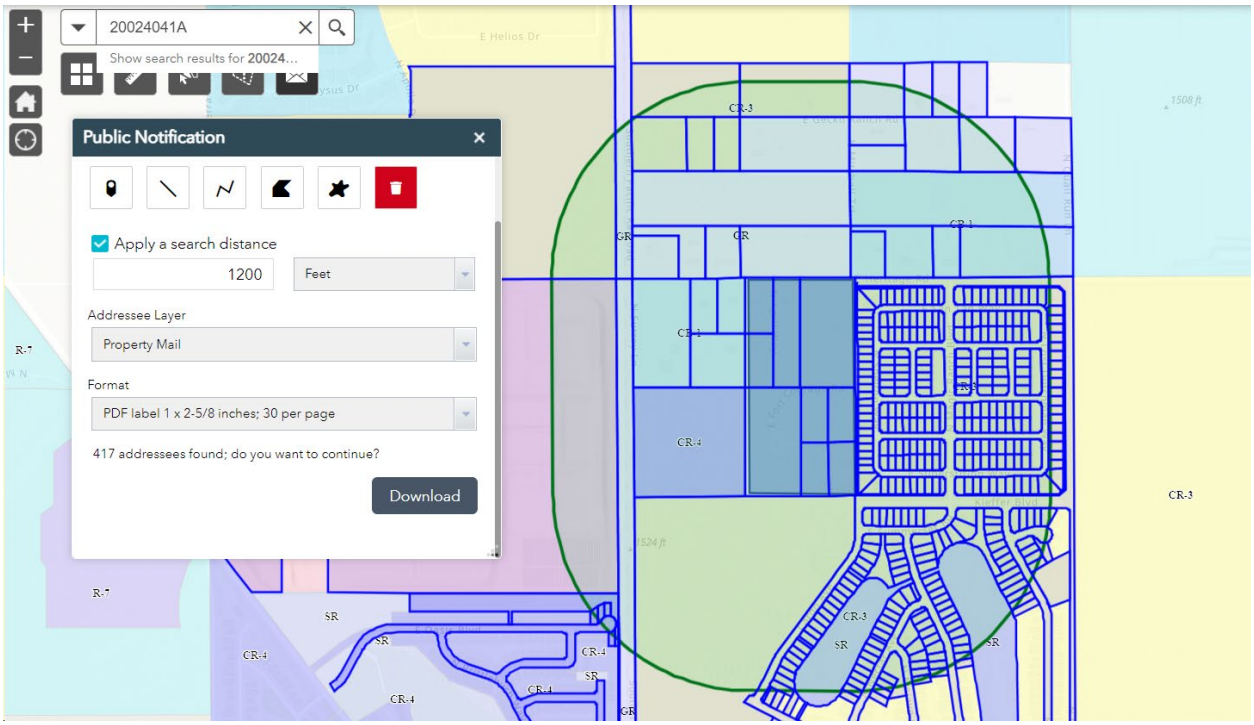
My Commission Expires 12/05/2025

Haley Reasor
Printed Name of Notary

[signature]
Signature of Notary

HALEY REASOR
Notary Public - Arizona
Pinal County
Commission # 617178
My Comm. Expires Dec 5, 2025

Property owners within 1200’ of proposed WCF:



BREER ALEC
24017 N NECTAR AVE
FLORENCE, AZ 85132

24053 N NECTAR AVE LLC
40376 N CAPE WRATH DR
SAN TAN VALLEY, AZ 85140

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

MITCHELL ROOSEVELT & CAR...
6498 E ESCAPE AVE
FLORENCE, AZ 85132

GARCIA ANNETTE
PO BOX 22023
TUCSON, AZ 85734

ALEXANDER ADOLPHUS E
24078 N DESERT DR
FLORENCE, AZ 85132

HAMPTON CAREY W & JANELL
6488 E ESCAPE AVE
FLORENCE, AZ 85132

KETCHUM ROBERT V
24050 N DESERT DR
FLORENCE, AZ 85132

PARKS GLEN J TRS
1426 S JESSICA LN
TEMPE, AZ 85281

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

CORLISS CHRISTOPHER
24053 N MOJAVE LN
FLORENCE, AZ 85132

MORGAN SOUTHEAST VALLEY ...
PO BOX 8308
TUCSON, AZ 85738

CORRELLI EDWARD R JR & GE...
24029 N NECTAR AVE
FLORENCE, AZ 85132

GOMEZ SANTOS & DEBRA
24044 N NECTAR AVE
FLORENCE, AZ 85132

WHEELING DANIEL & PAUL & J...
PO BOX 24
PLAZA, ND 58771

LEDAHL-SCHMIDT PEGGY J
754 MUNICH DR
BISMARCK, ND 58504

MCCREARY JAMES E III & LORI ...
24065 N MOJAVE LN
FLORENCE, AZ 85132

SERNA JOSEPH
24081 N MOJAVE LN
FLORENCE, AZ 85132

SERHAL TONY JIBRAYEL TR
1109 BRIARCLIFF RD
MONROVIA, CA 91016

MCINTOSH SARAH
24064 N DESERT DR
FLORENCE, AZ 85132

MARSHALL JASON
24065 N CARGO AVE
FLORENCE, AZ 85132

SCHLINGER SAMUEL
24041 N NECTAR AVE
FLORENCE, AZ 85132

WEST MICHELLE & EAARON
24059 N DESERT DR
FLORENCE, AZ 85132

O REILLY SEAN THOMAS
24083 N DESERT DR
FLORENCE, AZ 85132

TROMLEY BETTY
24020 N NECTAR AVE
FLORENCE, AZ 85132

SYLVIES RYAN KIM
24043 N CARGO AVE
FLORENCE, AZ 85132

KLEIN ALLAN & JACQUELYN
509 97A AVE
DAWSON CREEK, BC

QUICK JOHN WAYNE
24039 N MOJAVE LN
FLORENCE, AZ 85132

JAMES JOSHUA
24056 N NECTAR AVE
FLORENCE, AZ 85132

SUAREZ LUIS MANUEL HERNA...
24098 N DESERT DR
FLORENCE, AZ 85132

RESENDIZ VANEZZA
24077 N CARGO AVE
FLORENCE, AZ 85132

TYNER TERRY J
24115 N DESERT DR
FLORENCE, AZ 85132

DIVELEY JILLIAN
24143 N DESERT DR
FLORENCE, AZ 85132

BAZZANO JOSHUA
24092 N NECTAR AVE
FLORENCE, AZ 85132

HILLIER MICHAEL A & DAVISON...
24105 N CARGO AVE
FLORENCE, AZ 85132

BUIE MIHAELA
24166 N DESERT DR
FLORENCE, AZ 85132

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

HIXSON DALE CHARLES & LIND...
1608 SE 92ND CT
VANCOUVER, WA 98664

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

ELLISON DAVID JOSEPH & MIN...
24099 N MOJAVE LN
FLORENCE, AZ 85132

VALDEZ JEREMY D
24120 N NECTAR AVE
FLORENCE, AZ 85132

CAMPBELL KENNETH J & ELAIN...
BOX 187
ELROSE, SK

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

CUSYK BRANDON ROBERT
24117 N CARGO AVE
FLORENCE, AZ 85132

COBO KAYLE CHRISTIN
24141 N CARGO AVE
FLORENCE, AZ 85132

WACH SHARON A LIV TRUST
6774 E PINE WAY
FLORENCE, AZ 85132

FRIEDT JOEL & DIANA
1831 YELLOWSTONE AVE
BILLINGS, MT 59102

BRAND JOHN
3174 AARON DR
ELKO NEW MARKET, MN 55054

AZ SQUARE #12 LLC
1437 DENVER AVE STE 210
LOVELAND, CO 80538

SHATTUCK JOSEPH BURTON & ...
24154 N DESERT DR
FLORENCE, AZ 85132

STOTTLEMYER MARILYN A REV...
30312 MONDAVI CIR
MURRIETA, CA 92563

YARBROUGH GENE C & LENOR...
MAIL RETURN
,

SMILING DOLPHIN LLC
MAIL RETURN
,

HARMSEN WILLARD & SHARON
555 BRANDON PL APT A
BISMARCK, ND 58503

MOSIMA OBED ELONDO & ADA...
6197 E OASIS BLVD
FLORENCE, AZ 85132

ERBES L THOMAS
42422 THOMPSON BEACH LN
PELICAN RAPIDS , MN 56572

HASHAGEN MICHAEL E
MAIL RETURN
,

MCJILTON PAMELA S
24108 N NECTAR AVE
FLORENCE, AZ 85132

FAIRCHILD THOMAS & CAROLY...
1632 S DOODLER DR APT 84
SIOUX FALLS, SD 57103

BURNS SHAWN K & GRISELDA ...
24165 N CARGO AVE
FLORENCE, AZ 85132

CLEVENGER SCOTT A & ALICE ...
24179 N DESERT DR
FLORENCE, AZ 85132

FOSTER RODNEY SCOTT
24204 N HIGH DUNES DR
FLORENCE, AZ 85132

CHICO JOSE A COLLET & ROM...
24243 N CARGO AVE
FLORENCE, AZ 85132

CHURCH LISA G
24180 N HIGH DUNES DR
FLORENCE, AZ 85132

PARKS GLEN
1426 S JESSICA LN
TEMPE, AZ 85281

FLYGARE AARON
24221 N HIGH DUNES DR
FLORENCE, AZ 85132

VILLA ISSLAH R & SOSA LESLIE...
24174 N NECTAR AVE
FLORENCE, AZ 85132

WORKMAN STEVEN A & CHERY...
24220 N DESERT DR
FLORENCE, AZ 85132

PENDELL THOMAS
24252 N HIGH DUNES DR
FLORENCE, AZ 85132

DODD DOUGLAS
204 CRAZY HORSE PT
EDWARDS, CO 81632

MOSIMA EDMOND ELINGE MAL...
10290 E ASTER LN
FLORENCE, AZ 85132

OYSTRYK EUGENE
146 - 52505 RANGE RD 214
ARDROSSAN, AB

SWADLEY DEBRA M & DAVID
24191 N DESERT DR
FLORENCE, AZ 85132

MCCARTHY PATRICK
24213 N CARGO AVE
FLORENCE, AZ 85132

EDMONS MARY
24256 N DESERT DR
FLORENCE, AZ 85132

WONG PETER
81 EVEROAK CIR SW
CALGARY, AB

JACKRABBIT REAL PROPERTIE...
2558 S RIATA CT
GILBERT, AZ 85295

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

BROWN ANTHONY L & LASHAW...
3941 LINCOLN ST
GARY, IN 46408

ANDREW THE HOME BUYER LL...
698 N IOWA ST
CHANDLER, AZ 85225

GAUB CHRISTOPHER LYLE
24255 N CARGO AVE
FLORENCE, AZ 85132

FUNK DALE
PO BOX 1303
PROSSER, WA 99350

WISBEY SHERRY T LIV TRUST
1690 HIGHWAY 25 S
KETTLE FALLS, WA 99141

FKH SFR PROPCO K LP
1850 PARKWAY PL SE STE 900
MARIETTA, GA 30067

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

LEWIS TAMARA
24240 N HIGH DUNES DR
FLORENCE, AZ 85132

ZEBALLOS GUDELIA
24264 N HIGH DUNES DR
FLORENCE, AZ 85132

WAMBEKE GARY LEE & JULIE L...
PO BOX 1325
THREE FORKS, MT 59752

STEWART MICHAEL W
24244 N DESERT DR
FLORENCE, AZ 85132

MOLSTAD BRANDON L
24268 N DESERT DR
FLORENCE, AZ 85132

MCGEE KENNETH & ANNA MAR...
24269 N CARGO AVE
FLORENCE, AZ 85132

DOMASIN GREGORY & KATHLE...
1261 E ARALIA DR
KINGMAN, AZ 86409

CALDERON REYNA GANDARILL...
6766 E SUMMERSET RD
FLORENCE, AZ 85132

VALDIVIA JOHN & SMITH KRIST...
24255 N DESERT DR
FLORENCE, AZ 85132

VASQUEZ LUIS ALBERTO CONT...
6817 E SUMMERSET RD
FLORENCE, AZ 85132

SCHULTZ FRED M & LISA R
MAIL RETURN
,

HERTZOG RONALD ALAN TR
24245 N HIGH DUNES DR
FLORENCE, AZ 85132

COTE JOSEPH & MASSEY JOA...
24318 N HIGH DUNES DR
FLORENCE, AZ 85132

FINEMARK NATIONAL BANK & T...
7600 E DOUBLETREE RANCH R...
SCOTTSDALE, AZ 85258

HORNBACK COURTNEY & SUN...
24276 N HIGH DUNES DR
FLORENCE, AZ 85132

LASOTA PAUL ROBERT & GRAC...
6654 E SUMMERSET RD
FLORENCE, AZ 85132

CAZARES ALEX
24332 N HIGH DUNES DR
FLORENCE, AZ 85132

BEHM ROBERT NEIMAN
6955 E SISSO PL
FLORENCE, AZ 85132

MELLO DWAINE MARC
6670 E SUMMERSET RD
FLORENCE, AZ 85132

NORMAN ROBERT C
PO BOX 834
PILOT BUTTE, SK

JOHNSON HERMAN
24259 N HIGH DUNES DR
FLORENCE, AZ 85132

FKH SFR N LP
1850 PARKWAY PL STE 900
MARIETTA, GA 30067

CATAMOUNT PROPERTIES 201...
2320 POTOSI ST STE 130
LAS VEGAS, NV 89146

VIDMAR JOSEPH C
24283 N CARGO AVE
FLORENCE, AZ 85132

ALL IN INVESTMENTS LLC
333 VIA LIDO NORD
NEWPORT BEACH, CA 92663

GARCIA EDER BERNARDINO & ...
6930 E SISSO PL
FLORENCE, AZ 85132

AMH 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

MELLINGER THOMAS J & ALMA...
6712 E SUMMERSET RD
FLORENCE, AZ 85132

SHARPE-DELOACH MIA ROSEM...
6942 E SISSO PL
FLORENCE, AZ 85132

HARDIN RONNIE LEE JR & VICK...
24279 N DESERT DR
FLORENCE, AZ 85132

STELLWAGEN MELISSA ANN
6726 E SUMMERSET RD
FLORENCE, AZ 85132

RAMIREZ DANIEL JR
6956 E SISSO PL
FLORENCE, AZ 85132

TILLMAN NICOLE M
24290 N HIGH DUNES DR
FLORENCE, AZ 85132

TAH 2018-1 BORROWER LLC
MAIL RETURN
,

APOSTELLO JANICE E
6703 E SUPERSTITION WAY
FLORENCE, AZ 85132

FERNANDEZ DANIEL & JORDYN
6717 E SUPERSTITION WAY
FLORENCE, AZ 85132

ABOYTES MARTIN & FENT SAR...
3600 N EMERALD CREEK DR
FLORENCE, AZ 85132

GUERRERO ERNESTO & STAC...
24400 N SHELTON WAY
FLORENCE, AZ 85132

BFM INVESTMENT GROUP LLC
1006 STONEBRIDGE DR
NAPA, CA 94558

BYERLY STEVEN
6885 E SUPERSTITION WAY
FLORENCE, AZ 85132

TAH 2018-1 BORROWER LLC
24401 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

RAPHAEL NATALIE
6745 E SUPERSTITION WAY
FLORENCE, AZ 85132

BRIGHT CHARLES T & TWYLA L...
6899 E SUPERSTITION WAY
FLORENCE, AZ 85132

CERDHE LOGAN
PO BOX 32173
MESA, AZ 85275

SCHNEIDER DAVID & JESSICA
2415 E OMEGA DR
SAN TAN VALLEY, AZ 85143

ASPEN RIDGE INVESTMENTS L...
2810 MEADOWSIDE CT
BROOKFIELD, WI 53005

WEAVER MIAH K
6690 E SUPERSTITION WAY
FLORENCE, AZ 85132

MCCLEVE VERL & ANNA FAMIL...
176 W 7TH ST S
SNOWFLAKE, AZ 85937

MILES MICHAEL R
6927 E SUPERSTITON WAY
FLORENCE, AZ 85132

KELLY HEATHER RENEE
6704 E SUPERSTITION WAY
FLORENCE, AZ 85132

STALL MICHAEL A & CHRISTINE...
6773 E SUPERSTITION WAY
FLORENCE, AZ 85132

GREER LLAYRRON
6941 E SUPERSTITION WAY
FLORENCE, AZ 85132

LANE KIMBERLY J
6718 E SUPERSTITION WAY
FLORENCE, AZ 85132

KRETZINGER DAN WILLIAM & T...
2160 MULBERRY AVE
CORNING, IA 50841

VILAIRE JEAN EDDY & STACEY ...
6675 E SUPERSTITION WAY
FLORENCE, AZ 85132

STOCKLEY KARL E JR & STOC...
6732 E SUPERSTITION WAY
FLORENCE, AZ 85132

OVERALL JESSICA & BRANDON
6829 E SUPERSTITION WAY
FLORENCE, AZ 85132

ROBINSON JOSH L & SHELLEY ...
4522 5TH AVE W
HIBBING, MN 55746

SUEMART LLC
428 CHERRY BLOSSOM LOOP
RICHLAND, WA 99352

HALL BRUCE ALVIN & JANELLE ...
6843 E SUPERSTITION WAY
FLORENCE, AZ 85132

ADAMS OLGA A
24376 N SHELTON WAY
FLORENCE, AZ 85132

JOHNSTON KAREN HELENE
6760 E SUPERSTITION WAY
FLORENCE, AZ 85132

WATTS CHRISTINE M & AARON
6857 E SUPERSTITION WAY
FLORENCE, AZ 85132

TOMPKINS BARBARA J FAM TR...
2630 N 87TH TER
SCOTTSDALE, AZ 85257

HARDISTY LUKE EDWARD
6774 E SUPERSTITION WAY
FLORENCE, AZ 85132

ALCARAZ RUDY GILBERT JR
6788 E SUPERSTITION WAY
FLORENCE, AZ 85132

HARRIS KALEB A & ALFARO MI...
24428 N SHELTON WAY
FLORENCE, AZ 85132

RODRIGUEZ CONCEPCION JR
6745 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MATTHEWS KENNETH & KIMBE...
6816 E SUPERSTITION WAY
FLORENCE, AZ 85132

AKINDE OMOTAYO
24419 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

GARCIA SABRINA
6759 E FOUR PEAKS WAY
FLORENCE, AZ 85132

PACHECO MARTIN JR
6830 E SUPERSTITION WAY
FLORENCE, AZ 85132

SEAVEY JACQUELINE
2833 DESERT CRYSTAL DR
LAS VEGAS, NV 89134

MCFARLAND WILLIAM R & NINA...
6773 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MCKNIGHT PATRICIA A REV TR...
6844 E SUPERSTITION WAY
FLORENCE, AZ 85132

FULTON BENNETT & CARLENE
6561 E SUNNYSLOPE RD
FLORENCE, AZ 85132

ARP 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

QUICK MATTHEW S
6858 E SUPERSTITION WAY
FLORENCE, AZ 85132

WOODS MARK
6650 E OASIS BLVD
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

CHAMBERS SHERRY L
6872 E SUPERSTITION WAY
FLORENCE, AZ 85132

PADILLA MARILYN THERESA
24437 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MISTICO MICHAEL P & JENNIFE...
6815 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CARTER SHEILA
6886 E SUPERSTITION WAY
FLORENCE, AZ 85132

BINION KIMBERLEE & STONE B...
6689 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMITH CHADRICK LEE & ANDR...
317 AGATE ST
ROCK SPRINGS, WY 82901

GUMASKAS GREGG
6900 E SUPERSTITION WAY
FLORENCE, AZ 85132

TYBURSKI STANLEY J & MARIA...
6703 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MITCHELL SHAUN & SIERRA
6843 E FOUR PEAKS WAY
FLORENCE, AZ 85132

WALTERS DAVID & LEAH
6914 E SUPERSTITION WAY
FLORENCE, AZ 85132

VARGAS DAVID & DONNA
6717 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMITH-MICHALAK ASHLEY
6857 E FOUR PEAKS WAY
FLORENCE, AZ 85132

BARRETT LAURIE
6928 E SUPERSTITION WAY
FLORENCE, AZ 85132

SHOVER JASON
6731 E FOUR PEAKS WAY
FLORENCE, AZ 85132

BISHOP EMILIE NICOLE & ROB...
6871 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DOHRMAN APRIL
6885 E FOUR PEAKS WAY
FLORENCE, AZ 85132

HOFFMAN CHARLES W JR & R...
15 HIDDEN VALLEY RD
POMONA, CA 91766

SCHIFANO WILLIAM D
6844 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMYERS WILLIAM A
6899 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MELTON CASSANDRA
6704 E FOUR PEAKS WAY
FLORENCE, AZ 85132

EATON MICHAEL
6858 E FOUR PEAKS WAY
FLORENCE, AZ 85132

ROOT NICHOLAS
6913 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CIN ALBERT
6340 RUTHERFORD PL
SUWANEE, GA 30024

LYDON PATRICK MARTIN & CAR...
6872 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVI A
1413 BIRCH ST
MONTEBELLO, CA 90640

TAYLOR JESSE III
6732 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CASTANEDA JUSTIN & SABRIN...
6886 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

ARP 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

GRIJALVA JOYCE RAE
6900 E FOUR PEAKS WAY
FLORENCE, AZ 85132

STEELE RENEE & TIMOTHY
24456 N SHELTON WAY
FLORENCE, AZ 85132

TAYLOR TRENTEN EUGENE
6760 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CARNABUCI CYNTHIA A
6914 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MILLER RICHARD
24455 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

CARR KENNETH J & CARROTH...
6774 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MELTZER DANIEL & MELODIE LI...
6928 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVIA
1413 BIRCH ST
MONTEBELLO, CA 90640

PHELPS DANIEL M
6788 E FOUR PEAKS WAY
FLORENCE, AZ 85132

ORSO BRENDA & HERBERT A II...
24491 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

STANIFER WESLEY
24473 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

VILLAVERDE SARA ROSE
MAIL RETURN
,

THOMAS DOMONIQUE & ALEC ...
24498 N SHELTON WAY
FLORENCE, AZ 85132

LEE AARON
3842 S SPINNAKER BAY DR
SARATOGA SPRINGS, UT 8404...

SHARIF KHALID
105 N PASADENA ST
GILBERT, AZ 85233

KLEWIN MARK ANDREW
4330 N RANIER CIR
MESA, AZ 85215

HODGINS WAYNE S
PO BOX 99
BLADWORTH, SK

VILLICANA DANIELA
6815 E JAVALINA WAY
FLORENCE, AZ 85132

FREI CHRISTINE A
24526 N SHELTON WAY
FLORENCE, AZ 85132

MENDOZA JOSE LUIS
6689 E JAVALINA WAY
FLORENCE, AZ 85132

WRIGHT KIRK C
6829 E JAVALINA WAY
FLORENCE, AZ 85132

BENNETT ALYSSA
24527 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MACLIN MELVIN
6703 E JAVALINA WAY
FLORENCE, AZ 85132

HUBAND GINGER TR
1637 TOMMY AARON DR
EL PASO, TX 79936

RIVAS JAIME A & LAUDIA K
26206 LARKHAVEN PL
NEWHALL, CA 91321

MILE HIGH BORROWER 1 (VAL...
PO BOX 4090
SCOTTSDALE, AZ 85261

BROOKS JEFFERY & BROOKS-...
15206 EDGEMOOR ST
SAN LEANDRO, CA 94579

OLSEN RAYMOND W & KAREN ...
621 W DESERT AVE
GILBERT, AZ 85233

HEGEDUS ROBERT S & DEBOR...
6731 E JAVALINA WAY
FLORENCE, AZ 85132

MORRIS AUBRIANA E & KYLE A...
6871 E JAVALINA WAY
FLORENCE, AZ 85132

LARSEN KEITH M
6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

RIVERA JOHN JOSEPH TR
4939 FLOWER CT
ROHNERT PARK, CA 94928

ROSOCHOWATY CHERYL & ED...
BOX 27
BERWYN , AB

STREBE DAVID & LA REA LIV T...
348 N WILDROSE
MESA, AZ 85207

BUCKLEY ROBERT DOUGLAS
139 WHITE SWAN DR
SASKATOON, SK

LAUB-OSON MEGAN
6899 E JAVALINA WAY
FLORENCE, AZ 85132

MORRIS KELLY
PO BOX 7433
MESA, AZ 85216

CHOVANEC BREANNA KALEEN
3167 E DESERT MOON TRL
SAN TAN VALLEY, AZ 85143

YOUNG JASON & JAMIE
3427 E BLUE RIDGE WAY
GILBERT, AZ 85298

MILE HIGH BORROWER 1 (VAL...
PO BOX 4090
SCOTTSDALE, AZ 85261

ANGUIANO FRANK S
13917 HALCOURT AVE
NORWALK, CA 90650

KUNKEL RONALD & REGINA
6927 E JAVALINA WAY
FLORENCE, AZ 85132

MORFIN MARIA & ARREOLA GU...
24546 N RED ROCK WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

SEAL TONY
24547 N RED ROCK WAY
FLORENCE, AZ 85132

ORNELAS MARCOS DANIEL JR ...
24541 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

STAR 2022-SFR3 BORROWER L...
591 W PUTNAM AVE
GREENWICH, CT 06830

CLOUS VICKIE
24580 N SAGUARO WAY
FLORENCE, AZ 85132

COX ROBERT THOMAS
24544 N SAGUARO WAY
FLORENCE, AZ 85132

SIMPSON CRAIG JR
24562 N SAGUARO WAY
FLORENCE, AZ 85132

ANDERSEN DAVID CARL
132 W 71ST ST APT 15
NEW YORK, NY 10023

CADMAN ROSHEM & LOUANNA
24543 N SAGUARO WAY
FLORENCE, AZ 85132

OLSON DAWN
24561 N SAGUARO WAY
FLORENCE, AZ 85132

HARTY ROYCE A & LAURA S
24580 N APACHE WAY
FLORENCE, AZ 85132

CLAYTON KAYLEE LARISSA
24544 N APACHE WAY
FLORENCE, AZ 85132

MORRISON HEATHER M
24562 N APACHE WAY
FLORENCE, AZ 85132

SUNDER STEVEN M & KARI L
24579 N APACHE WAY
FLORENCE, AZ 85132

NICKERSON RONALD & VIRGIN...
24543 N APACHE WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVIA
1413 BIRCH ST
MONTEBELLO, CA 90640

SANDOVAL VERONICA
24589 N SHELTON WAY
FLORENCE, AZ 85132

ANELIME PROFESSIONAL MEDI...
9341 E MCKELLIPS RD
MESA, AZ 85207

HAMILTON JEFFREY L & BETTY...
24575 N SHELTON WAY
FLORENCE, AZ 85132

PINCHES THOMAS A & MARY E ...
4007 ROAD 107
PASCO, WA 99301

MAGEE JERRY MACK II & TIFFA...
24561 N SHELTON WAY
FLORENCE, AZ 85132

ALVAREZ JAEL GONZALEZ & B...
24574 N RED ROCK WAY
FLORENCE, AZ 85132

WEBER JERALD F & BARBRA K
BOX 939
CARLYLE , SK

JACQUEZ SERGIO JR
24560 N RED ROCK WAY
FLORENCE, AZ 85132

GARROW DAVID & DARLENE
24575 N RED ROCK WAY
FLORENCE, AZ 85132

BAKER EDDIE JAMES & LISA
24596 N SHELTON WAY
FLORENCE, AZ 85132

WOLFE JOSEPH J
24561 N RED ROCK WAY
FLORENCE, AZ 85132

BATELLO RENATO & REBECCA
1900 COLORADO AVE
BLACK EAGLE, MT 59414

ACOSTA MOSES
24595 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

JEFFERSON SHANA A
24559 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

JONES MICHAEL A & ANNE M
7607 STAUFFER RD
STANWOOD, WA 98292

HUFFMAN EVERETT
24598 N SAGUARO WAY
FLORENCE, AZ 85132

TAYLOR WILLIAM O
24597 N SAGUARO WAY
FLORENCE, AZ 85132

WEST SANDRA K
24616 N RED ROCK WAY
FLORENCE, AZ 85132

JPS SERVICES LLC
PO BOX 431
GILBERT, AZ 85299

DRAVIS JAMIE & MICHAEL E
24598 N APACHE WAY
FLORENCE, AZ 85132

BERCARU CONSTANTIN A
PO BOX 10776
WESTMINSTER, CA 92685

BARNETT ANGELA D & CLINTO...
6439 E HERITAGE RD
FLORENCE, AZ 85132

TIMMONS JOSEPH
24597 N APACHE WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

WARD LEILA
24612 N APRIL WAY
FLORENCE, AZ 85132

URANGO EILEEN
24603 N SHELTON WAY
FLORENCE, AZ 85132

KOSINSKI JUSTIN R
108 N ADAMS ST
COOLIDGE, AZ 85128

THERIAULT MORGAN & QUINLI...
24649 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

RIVAS SANDRA I
24602 N RED ROCK WAY
FLORENCE, AZ 85132

ARROTTA CASSANDRA L
24615 N SAGUARO WAY
FLORENCE, AZ 85132

PAGAYA SMARTRESI F1 FUND ...
1950 E GREYHOUND PASS STE ...
CARMEL, IN 46033

ARIZONA PROPERTIES LLC
1844 GLEN COVE DR
BENTON, LA 71006

HALSTEAD JOSEPH N
24616 N APACHE WAY
FLORENCE, AZ 85132

PELTON JEFFERY T
6690 E PINE WAY
FLORENCE, AZ 85132

NGOH SALOME E
826 RAY RD
HYATTSVILLE, MD 20783

LIMES EMERSON & EMMA RAB...
24615 N APACHE WAY
FLORENCE, AZ 85132

FATHERANDSONLUNDAHL LLC
3048 E BASELINE RD STE 108
MESA, AZ 85204

BRICE JENNIFER
24613 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

CLEMENTS RICHMOND E
24772 SUTTON LN
LAGUNA NIGUEL, CA 92677

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

SE PROPERTIES LLC
3385 E BARBARITA AVE
GILBERT, AZ 85234

MCCARTY NORRIS L & CHRISTI...
6732 E PINE WAY
FLORENCE, AZ 85132

TORTOLANI KENNETH G JR TR...
10306 GATEWATER CT
OCEAN CITY, MD 21842

HUNTER TAWANDA
24631 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

BLUE FAIRWAY LLC
1085 VIA LA COSTA WAY
KAYSVILLE, UT 84037

OSIRO DENIS & SHANNON
6760 E PINE WAY
FLORENCE, AZ 85132

MCCARLEY CORY ANDREA
6914 E PINE WAY
FLORENCE, AZ 85132

JACKRABBIT REAL PROPERTIE...
2558 S RIATA CT
GILBERT, AZ 85295

WACH DAVID
6774 E PINE WAY
FLORENCE, AZ 85132

FAY GEORGE
19024 E KARSTEN DR
QUEEN CREEK, AZ 85142

CROUSE JOSEPH & GABRIELL...
7254 E CAROL AVE
MESA, AZ 85208

BELL CHRISTOPHER S
6788 E PINE WAY
FLORENCE, AZ 85132

BERTNESS WAYNE
1980 POWELL CRES
ABBOTSFORD, BC

GALCERAN CANDICE A
6773 E SAN TAN WAY
FLORENCE, AZ 85132

POWELL ADAM & JENNIFER
6816 E PINE WAY
FLORENCE, AZ 85132

CHAMBERS KELLY I
24667 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

BROWN CARMELITA P & DWAY...
6787 E SAN TAN WAY
FLORENCE, AZ 85132

RUIZ JIMMY A
6830 E PINE WAY
FLORENCE, AZ 85132

HUBAND GINGER TR
1637 TOMMY AARON DR
EL PASO, TX 79936

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

HETTLE SARA
6844 E PINE WAY
FLORENCE, AZ 85132

ROBERTS STEPHEN JAMES
24685 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

HAGBERG ROBERT & SANDRA
30178 N CORAL BEAN DR
SAN TAN VALLEY, AZ 85143

VALENTINO JASON M & MISTI L...
9843 E TUNGSTEN DR
MESA, AZ 85212

WHITE ANDREW D
6689 E SAN TAN WAY
FLORENCE, AZ 85132

VALENZUELA ISRAEL & MARQU...
6829 E SAN TAN WAY
FLORENCE, AZ 85132

THORNTON STARLENE
6872 E PINE WAY
FLORENCE, AZ 85132

GREENE MATTHEW L
10053 W WIZARD LN
PEORIA, AZ 85383

XU HONG
6843 E SAN TAN WAY
FLORENCE, AZ 85132

SALINAS LIZA & SALINAS MARI...
6886 E PINE WAY
FLORENCE, AZ 85132

MOORE MARGARET ANN & TH...
6717 E SAN TAN WAY
FLORENCE, AZ 85132

MCNAMARA KYLER
6857 E SAN TAN WAY
FLORENCE, AZ 85132

FRIESSEN ROBERT W
6900 E PINE WAY
FLORENCE, AZ 85132

EGER MARY F
6731 E SAN TAN WAY
FLORENCE, AZ 85132

TROTTER DENNIS EARL LIVING...
PO BOX 941
CONCHO, AZ 85924

SEARS CARRIE
6885 E SAN TAN WAY
FLORENCE, AZ 85132

RYKER PROPERTIES LLC
2863 E PARK AVE
GILBERT, AZ 85234

RAMSAY AMANDA & DROWSKY...
6872 E SAN TAN WAY
FLORENCE, AZ 85132

DAVIS RANDELL
6899 E SAN TAN WAY
FLORENCE, AZ 85132

TRENT CHRISTINE A
6718 E SAN TAN WAY
FLORENCE, AZ 85132

STAIS DANIEL & MORTON MICH...
6886 E SAN TAN WAY
FLORENCE, AZ 85132

CERBONE LAWRENCE V
6913 E SAN TAN WAY
FLORENCE, AZ 85132

LSF9 MASTER PARTICIPATION ...
6732 E SAN TAN WAY
FLORENCE, AZ 85132

JEFFERIES MICHAEL G
4350 RIVERTON AVE
ANCHORAGE, AK 99516

MORGAN JOYCE
6927 E SAN TAN WAY
FLORENCE, AZ 85132

SALDANA MARCO B & JENNI L
6746 E SAN TAN WAY
FLORENCE, AZ 85132

PARGA ADRIAN E & ROSSLYNN ...
6914 E SAN TAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

MANRIQUEZ CHRISTOPHER J
6760 E SAN TAN WAY
FLORENCE, AZ 85132

KELLEY ROBERT
6928 E SAN TAN WAY
FLORENCE, AZ 85132

CRUTCHFIELD DOUGLAS ALLE...
24694 N SHELTON WAY
FLORENCE, AZ 85132

MCNAMARA KEVIN
6774 E SAN TAN WAY
FLORENCE, AZ 85132

RAUSBECK CLAY & TONIA
2063 E BRIGADIER DR
GILBERT, AZ 85298

MATSUMURA CHRISTOPHER M...
24703 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

SMITH TIMOTHY R & KATHERIN...
6788 E SAN TAN WAY
FLORENCE, AZ 85132

RAMOS MARIBEL
5861 E HARMONY AVE
MESA, AZ 85206

PARCON-DUNCAN BELINDA
24708 N SHELTON WAY
FLORENCE, AZ 85132

STARLARD MICHAEL A
6830 E SAN TAN WAY
FLORENCE, AZ 85132

CIARAMELLA MARK
24721 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MONTES ANEL
6676 E SAN TAN WAY
FLORENCE, AZ 85132

TOMS LORIE
14529 E EDGEWATER CT
FOUNTAIN HILLS, AZ 85268

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

BERTNESS WAYNE
1980 POWELL CRES
ABBOTSFORD, BC

PEREZ OSCAR C
6858 E SAN TAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

FENN PHILIP & NINA
24583 N SURREY LN
FLORENCE, AZ 85132

RAJ RAVI & LALITHA TRS
1560 S CARRIAGE LN
CHANDLER, AZ 85286

LANGLEY MCRAE 10 LLC
2738 E GUADALUPE RD
GILBERT, AZ 85234

BARRIOS ARMANDO AVILA
MAIL RETURN
,

GRAY ALLISON M
6716 E HERITAGE RD
FLORENCE, AZ 85132

ROJAS DEREK
6824 E GECKO RANCH RD
FLORENCE, AZ 85132

CRAWFORD MICHELLE L
6433 E HERITAGE RD
FLORENCE, AZ 85132

LUNA EVELYN MARIBEL ESTRA...
6804 E HERITAGE RD
FLORENCE, AZ 85132

CASTRO DONALD A
6868 E GECKO RANCH RD
FLORENCE, AZ 85132

ALEXANDER LEE & LYNNDEE
6457 E HERITAGE RD
FLORENCE, AZ 85132

PUTRUS MIKHAIL & SABIHA TR...
3328 E INVERNESS AVE
MESA, AZ 85204

UNION PACIFIC RAILROAD
1400 DOUGLAS ST STOP 1640
OMAHA, NE 68179

MARSYLA MICHAEL B & CHRIS...
6517 E HERITAGE RD
FLORENCE, AZ 85132

XCEL BUILDERS LLC
PO BOX 845
QUEEN CREEK, AZ 85142

MAROK ROBERT
735 HOBBIT HILL DR
FAIRBANKS, AK 99712

COOPER JERAMY D & SHASTI ...
6633 E HERITAGE RD
FLORENCE, AZ 85132

TUCKFIELD DUSTY L
MAIL RETURN
SAN TAN VALLEY, AZ 85143

MORRIS MELANIE MARIE
6518 E ESCAPE AVE
FLORENCE, AZ 85132

LEVEL 3 COMMUNICATIONS LL...
1025 ELDORADO BLVD
BROOMFIELD, CO 80021

CHAVEZ JASON LEE
10099 E HAY LOFT RD
FLORENCE, AZ 85132

VANDERPOST DANA
24 NORTHLANDER WAY W
LETHBRIDGE, AB

JACQUEZ SERGIO JR
26116 S 203RD PL
QUEEN CREEK, AZ 85142

ELLIE FAMILY LTD PSHIP
1911 E EL FREDA RD
TEMPE, AZ 85284

KIZIER AARON & MAYA
24158 N NECTAR AVE
FLORENCE, AZ 85132

LAIRD KURTIS RAY & AIMEE MA...
6344 E HERITAGE RD
FLORENCE, AZ 85132

GARCIA JOSE F VENZOR
38467 N ARMADILLO DR
SAN TAN VALLEY, AZ 85140

DANIEL MATTHEW
24215 N DESERT DR
FLORENCE, AZ 85132

ROE ROGER D & MARTHA E TR...
1010 TERRACE RD SPC 20
SAN BERNARDINO, CA 92410

MAGIC 37 LLC
5080 N 40TH ST STE 205
PHOENIX, AZ 85018

GARCIA ELENA
24229 N DESERT DR
FLORENCE, AZ 85132

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

OASIS AT MAGIC RANCH HOA
PO BOX 1326
QUEEN CREEK, AZ 85142

EVANS MARVIN K & ELAINE M L...
6499 E GECKO RANCH RD
FLORENCE, AZ 85132

GREGG BRYCEN & ROBINSON ...
6781 E SUMMERSET RD
FLORENCE, AZ 85132

UNION PACIFIC RAILROAD
1400 DOUGLAS ST STOP 1640
OMAHA, NE 68179

LUNA MARIA E
6804 E HERITAGE RD
FLORENCE, AZ 85132

CARILLON CLASTIC LLC
1259 S 32ND ST
MESA, AZ 85204

HERRERA RENE S & BERTHA A
6164 E OASIS BLVD
FLORENCE, AZ 85132

POULSON BARBARA A & RAYM...
6778 E GECKO RANCH RD
FLORENCE, AZ 85132

CALHOUN JASON E & ASHLEY
6805 E SUMMERSET RD
FLORENCE, AZ 85132

ENDICOTT STEFANIE J
6178 E OASIS BLVD
FLORENCE, AZ 85132

LANGLEY MCRAE 10 LLC
2738 E GUADALUPE RD
GILBERT, AZ 85234

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

FLORES JORGE L SOTO
6188 E OASIS BLVD
FLORENCE, AZ 85132

SANGER ARIELLE
9612 E TANGERINE RD
FLORENCE, AZ 85132

,

,

LUNA AXEL ULISES MELLADO
24995 N MITCHELL TRL
FLORENCE, AZ 85132

DUPONTE JAMES
120 S HOUGHTON RD # 138-147
TUCSON, AZ 85748

EPCOR WATER ARIZONA INC
2355 W PINNACLE PEAK RD
PHOENIX, AZ 85027

EPCOR WATER ARIZONA INC
2355 W PINNACLE PEAK RD ST...
PHOENIX, AZ 85027

RMG RESIDENTIAL 2010 LLLP
8800 N GAINEY CENTER DR ST...
SCOTTSDALE, AZ 85258

SIERRA KARLA LUNA
24995 N MITCHELL TRL
FLORENCE, AZ 85132

EPCOR WATER ARIZONA INC
2355 WEST PINNACLE PEAK R...
PHOENIX, AZ 85027

PESTOTNIK ENTERPRISES LLC
8573 W 84TH CIR
ARVADA, CO 80005

EPCOR WATER ARIZONA INC
2355 WEST PINNACLE PEAK R...
PHOENIX, AZ 85027

ARIZONA LAND PARTNERS
1224 W 96TH ST
BLOOMINGTON, MN 55431

Application Checklist:

- ☒ Submit a detailed site plan, at least 8½ X 11, but not larger than 11" X 17". The site plan must include the following:
  - Size and shape of parcel; property dimensions; north arrow
  - Adjacent streets; rights-of-way, easements and setbacks; indicate size; purpose and whether public or private
  - Location, size and use of all existing and proposed buildings; show setbacks from property boundary lines and between structures
  - Driveways and parking areas, show access, dimensions and surface material
  - Existing and proposed utilities, show location of lines, size and serving company
  - Any other information as may be applicable – landscaping, natural features i.e.: washes, excavation sites, etc.
- ☒ Submit the "Supporting Information" sheet (if applicable) and/or the "Submittal Checklist" for the requested action. Forms are in this packet.
- ☒ Submit a list of all property owners within 1200' of the subject property boundary showing name, mailing address and tax parcel numbers. This list must be obtained within the 30 days prior to application submission.
- ☒ Submit a map of the area with the 1200' boundary shown. (A Tax Assessor Parcel Map is acceptable).
- ☒ Submit the non-refundable filing fee according to the fee schedule shown on page 1 of the application. (The application is not considered filed until the fees are paid.)
- ☐ Submit a CD or Jump Drive which contains a copy of the application and narrative in PDF format.
- ☒ Hold a neighborhood/community meeting prior to application submittal:
  - Notify all property owners within 1200'
  - Hold the meeting within 5 miles of the subject property
  - Hold the meeting between 5:00pm and 9:00pm
  - Applicant will be required to notify any jurisdiction within three (3) miles of the subject site boundary and provide proof via letter or email correspondence of sent notification and any jurisdiction response received.
- ☒ Include neighborhood Public participation information with the application:
  - Copy of Notice of Neighborhood/Community Meeting
  - List of property owners notified
  - Meeting Minutes
  - Attendance sign-in sheet with names & addresses
- ☒ Install Broadcast Notification Sign(s) on the site in conformance with the information shown in this application.

Please feel free to compile all information into a separate Narrative

Please be aware that earth fissure maps are available online from the Arizona State Geologic Survey.

AGENCY AUTHORIZATION

(To be completed by all landowners who do not represent themselves. Instructions for completing required information are in bold and brackets below lines. If applicant is a company, corporation, partnership, joint venture, trustee, etc., please use the corporate signature block and have the notary fill in the notarization section for corporations not individuals and cannot be submitted digitally)

TO: Pinal County Community Development
P.O. Box 2973
Florence, AZ 85232

Keith M Larsen

[Insert Name -- If a Corporation, Partnership or Association, Include State of Incorporation]

Hereinafter referred to as "Owner," is/are the owner(s) of 5.07 acres located at 6497 E Sunnyslope Dr, Florence, AZ 85132, and further identified

[Insert Address of Property]

As assessor parcel number 20024041A and legally described as follows:

[Insert Parcel Number]

Insert Legal Description Here OR Attach as Exhibit A

Said property is hereinafter referred to as the "Property."

Owner hereby appoints Shannon McCrea on behalf of Vertical Bridge

[Insert Agent's Name. If the Agent is a Company, Insert Company Name Only]

Hereinafter referred to as "Agent," to act on Owner's behalf in relation to the Property in obtaining approval from Pinal County for a minor land division and to file applications and make the necessary submittals for such approvals.

[Individual PROPERTY OWNER signature block and acknowledgment.
DO NOT SIGN HERE IF SIGNING AS AN OFFICER OF A CORPORATION SIGN NEXT PAGE]

Keith M Larsen
[Signature]

6497 E. Sunnyslope Dr
Florence AZ 85132
[Address]

Dated: 1-23-24

Janette Spencer
[Signature]

6497 E Sunnyslope Rd
Florence AZ 85132
[Address]

Dated: 1-23-24

STATE OF Arizona)
) ss.
COUNTY OF Pinal)

KEVIN J MCNAMARA, NOTARY PUBLIC
PINAL CO., AZ
COMM. NO. 623183
EXP. 11-21-25
(SEAL)

The foregoing instrument was acknowledged before me Kevin J. McNamara this 23rd day 23rd of Jan 2024 of by Keith M Larsen and Janette Auschel Spencer

My Commission Expires 11-21-2025

Signature of Notary Public Kevin J. McNamara

Kevin J. McNamara
Printed Name of Notary

Kevin J. McNamara
Signature of Notary

I certify the information included in this application is accurate, to the best of my knowledge. I have read the application and I have included the information, as requested. I understand if the information submitted is incomplete, this application cannot be processed.

Shannon McCrea on behalf of Vertical Bridge	14301 N. 87th St., Unit 105, Scottsdale, AZ 85260
Name of Applicant	Address
Shannon McCrea	shannon@state48consulting.com 707-656-9103
Signature of Applicant	E-Mail Address Phone Number

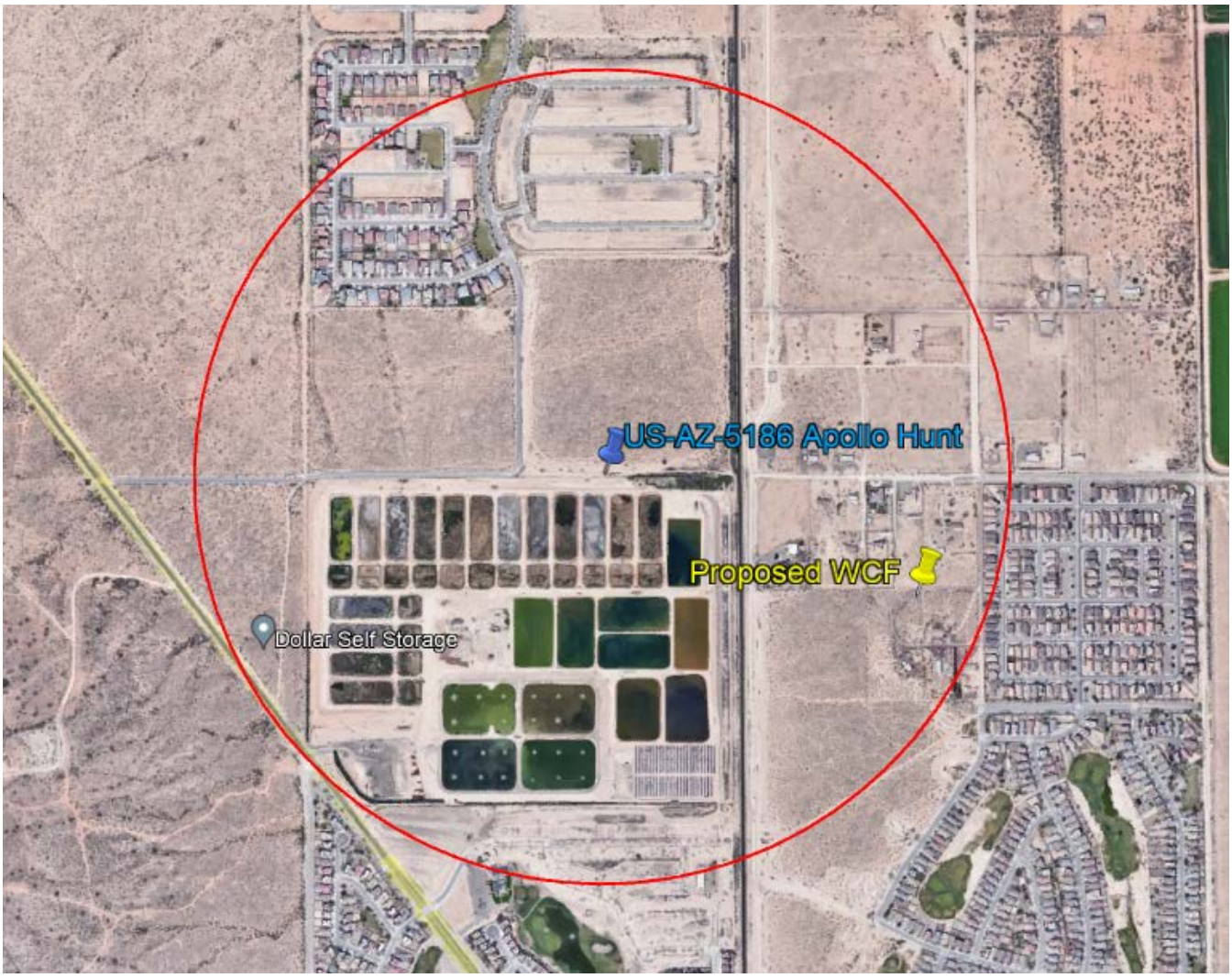
Shannon McCrea	14301 N. 87th St., Unit 105, Scottsdale, AZ 85260
Name of Agent/Representative	Address
Shannon McCrea	shannon@state48consulting.com 707-656-9103
Signature of Agent/Representative	E-Mail Address Phone Number

The Agent/Representative has the authority to act on behalf of the landowner/applicant, which includes agreeing to stipulations. The agent will be the contact person for Planning staff and must be present at all hearings. Please use attached Agency Authorization form, if applicable.

Keith M Larsen	6497 E Sunnyslope Dr, Florence, AZ 85132
Name of Landowner	Address
Keith Larsen	keithmlarsen@gmail.com 928-216-1604
Signature of Landowner	E-Mail Address Phone Number

If landowner is not the applicant, then applicant must submit a signed notarized consent form from the landowner with this application. Please use attached Consent to Permit form, if applicable.

Narrative Report
Site: US-AZ-5186 Apollo Hunt
Pinal County



Submitted by:

Shannon McCrea

Shannon McCrea
Director of Operations
State 48 Development Consulting
14301 N. 87th Street #105
Scottsdale, AZ 85260
Mobile: (707) 656-9103
Email: re@state48consulting.com
www.state48consulting.com

Project Narrative: Vertical Bridge Site AZ-5186 Apollo Hunt

APN: 20024041A

We are working on behalf of Vertical Bridge which intends to install a new multi-carrier cell tower, with associated equipment, at parcel number 20024041A at approximately (33.101758, -111.496464). The owner of the parcel, Keith Larsen, has approved the installation of the new cell tower and has an approved lease agreement with Vertical Bridge. This property is ideal for its location as there is a significant need for improved coverage in the area and sufficient space available without infringing on the owner.

Vertical Bridge proposes to install a new 85' Monoelm with a 4' lightning rod in a 35' x 50' surrounded by a 8' High CMU wall compound. The installation of a cell tower at the proposed location would significantly improve connectivity, enhance emergency response capabilities, and facilitate economic growth in the community. Most importantly, it will provide cellular phone communications and E911 emergency coverage to all wireless users in the area. With the proposed WCF height at 85' this height will allow for additional national wireless providers to collocate on the tower in the future and prevent any need to build a new tower within the vicinity. This cell tower would be in a prime location in a developing and growing area. Easily accessible from N Hunt Hwy. The tower is easily accessible from E Sunnyslope Dr, which is a public right of way. Surrounding the tower are residential houses and small businesses that would benefit from the increased coverage.

Our new wireless facility aligns with the Pinal County Comprehensive Plan. As stated in the following policies which encourage telecommunication development to support viable economic growth in the county.

- 5.3.1.4 pg. 29: Take advantage of any available state and federal resources to enhance telecommunications infrastructure and support efforts to provide high speed broadband service County-wide and expand wireless capabilities.

- Ch. 3 pg. 90: Adequate infrastructure (water, sewer, transportation, telecommunications, energy, fire suppression, etc.) to support existing and future activity.

- Ch. 4 pg. 169: Wireless communications networks will facilitate telecommuting.

The Comprehensive Plan recognizes the importance of telecommunications infrastructure for public safety, convenience, economic development, and education outreach through distance learning. This is especially important in developing areas throughout the county, including where the proposed wireless facility would be located.

The importance of reliable and efficient communication infrastructure in today's modern world cannot be understated. Access to reliable cellular services is not only a convenience, but a necessity for businesses, emergency services, and residents alike. The installation of a cell tower at the proposed location would significantly improve connectivity, enhance emergency response capabilities, and facilitate economic growth in the community.

Vertical Bridge acknowledges the concerns related to the visual impact of cell towers. To address these concerns, Vertical Bridge extensively explores and implements various state of the art “stealth” designs with the aim of minimizing the aesthetic impact on the surrounding community. Vertical Bridge acknowledges the concerns related to the visual impact of cell towers. To address these concerns, Vertical Bridge extensively explores and implements various state of the art “stealth” designs with the aim of minimizing the aesthetic impact on the surrounding community. We have decided to move forward with a Monoelm stealth design. Construction is estimated to be approximately 3 months.

Chapter 2.205.050 section A and E of the Development Services Code states that the color of wireless communication facilities shall be compatible with the surrounding environment. Muted colors, earth tones, and subdued hues, such as gray, shall be used. All associated structures such as equipment buildings, including the roofs, shall be painted with earth tone colors and lighting on any new facility is prohibited unless required by the FAA or by other applicable state or federal requirements. Motion detector security lighting may be approved if the lights are fully shielded. The Monoelm design will follow these guidelines.

Existing landscaping impeding on the installation of the facility will be removed but minimal impact on the environment will be exercised.

Along with minimal ground disturbance, impact on traffic will also remain minimal as construction occurs and even less once build and only maintenance is required in the future.

Although a discontinuation of use is not in the plans for this Wireless Facility, should a discontinuation occur, the site will be restored to pre-construction condition within 180 days.

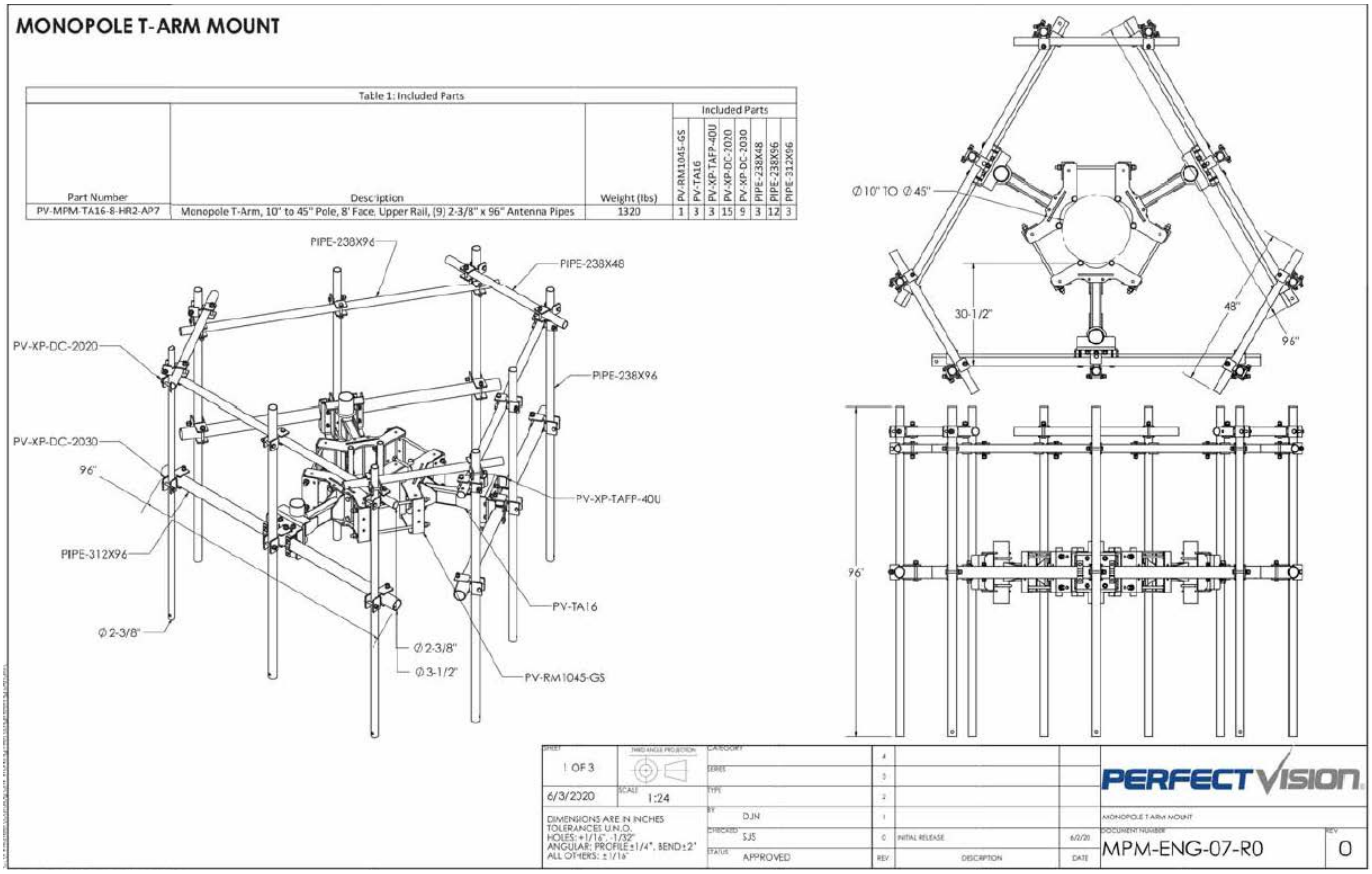
With the overall tower height of 89', the setback requirements have been met for all property lines. Measurements from all sides of the tower are as follows:

From North property line: Approx. 135'
From East property line: Approx. 120'
From South property line: Approx. 520'
From West property line: Approx. 200'

The wireless cell tower will operate year-round, seven (7) days per week 24 hours a day. The site will be unmanned and technicians will service the cell tower as needed for overall maintenance, upgrades, and equipment changes.

Vertical Bridge will comply with the design standards set forth in Chapter 2.205 of the Pinal County Zoning Ordinance as indicated below:

The pole diameter will be no more than 36". Antennas to be installed on a T-Arm Mount and will be concealed by faux pine needles as shown in the example below.



COMMSCOPE FFVV-65C-R-3-V1	
DIMENSIONS (HXWXD)	95.9" X 25.2" X 9.3"
TOTAL WEIGHT	124.6 LB
RF RORTS, CONNECTOR TYPE	4.3-10-FEMALE

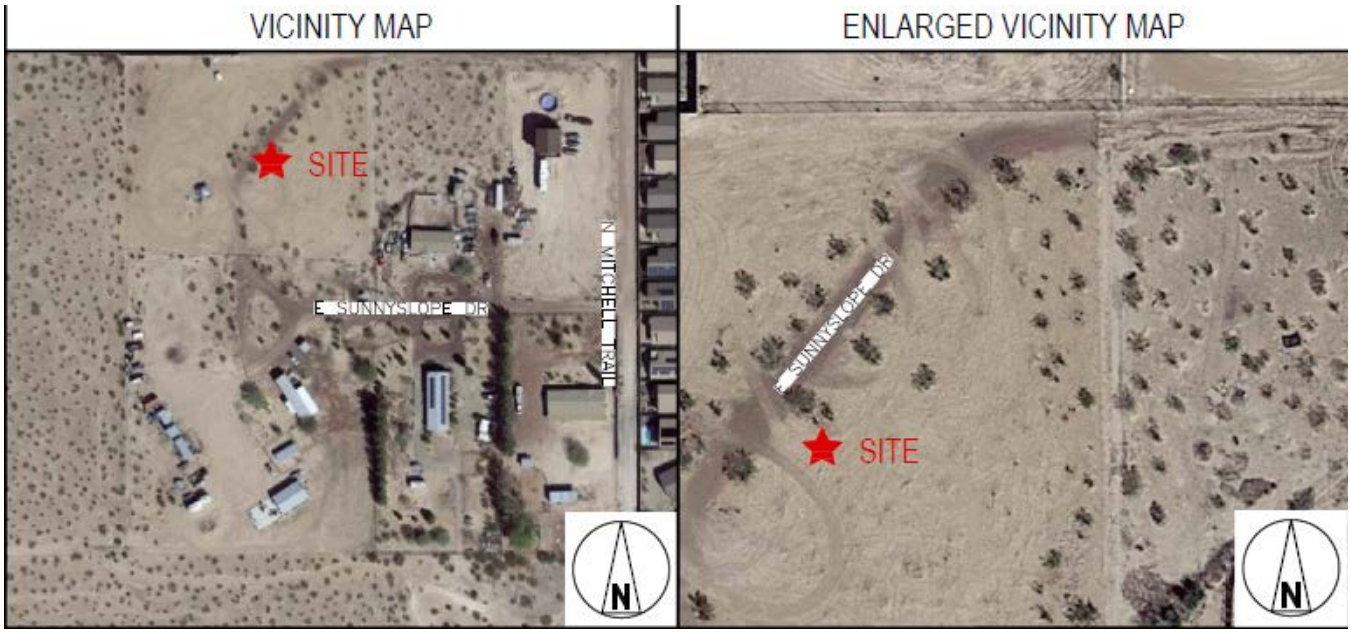
AEHC 2.5GHZ MIMO RADIO	
DIMENSIONS (HXWXD)	38.2" X 21.5" X 5.9"
TOTAL WEIGHT	108.0 LB
RF RORTS, CONNECTOR TYPE	APPG DC POLE CONNECTOR

Monoelm Example Photo: 75' Tower



Public Utilities and Services

- Water -EPCOR WATER (USA) INC. (FKA JOHNSON UTILITIES)
- Sewer -EPCOR WATER (USA) INC. (FKA JOHNSON UTILITIES)
- Police -Florence Police Department
- Fire -Florence Fire Station #2



January 11, 2024

Re: Proposed Vertical Bridge Site: AZ-5186 Apollo Hunt – APN: 20024041A

Dear Neighbors,

This letter serves as notification that State 48 Development Consulting, on behalf of Vertical Bridge, is in the process of submitting a Special Use Permit Application to Pinal County to install a new Wireless Communications Facility (WCF) at parcel 20024041A (6497 E Sunnyslope Dr, Florence, AZ 85132) in Florence, AZ.

As an integral part of the Special Use Permit process, Pinal County mandates a community meeting to inform residents residing within a radius of 1200 feet from the proposed WCF site. This meeting is scheduled to provide an opportunity for State 48 Development Consulting to provide additional details about the forthcoming WCF project and address any questions or concerns that may arise among the local community.

Here are the specifics for the community meeting:

Date: February 1, 2024
Time: 5:30 PM MST
Location: 31505 N Schnepf Rd, San Tan Valley, AZ 85140 -Bronze Room

Vertical Bridge's proposal includes the installation of a 110-foot WCF elm tree tower design, with a total height of 115 feet, designed to accommodate multiple major wireless carriers. The associated equipment will be securely enclosed within a 8' high CMU wall compound at the base of the tower. This WCF will significantly enhance wireless coverage in Pinal County and, most importantly, improve E911 services.

We look forward to discussing this proposal further and addressing any questions or concerns the community may have. Please do not hesitate to reach out to me at (602) 935-0885 or via email at re@state48consulting.com.

Sincerely,

Shawn Sanchez

Real Estate Specialist
State 48 Development Consulting
Representing Vertical Bridge
re@state48consulting.com
Phone: (602)935-0885

US-AZ-5186: Proposed Vertical Bridge Wireless Facility

Neighborhood Public Participation:

Per direction from LaRee Mason, we utilized the Pinal Arcgis website to gather the necessary property owners within the required 1200' radius. Letters were sent to all property owners within the area notifying them of the upcoming neighborhood meeting on February 1st, 2024.

A neighborhood meeting was held on February 1st, 2024, regarding the proposed installation of the new Wireless Facility located at 6497 E SUNNYSLOPE RD, FLORENCE, AZ 85132. The hearing took place at the San Tan Valley Library located at 31505 N Schnepf Rd, San Tan Valley, AZ 85140 between 5:30-7pm.

There was a total of eleven community members present at the hearing. Of these attendees, ten expressed their strong support for the implementation of the new wireless facility. They articulated their reasons for backing the project, citing issues such as poor coverage, dropped calls, and slow internet speeds that have plagued the area. Many shared personal anecdotes illustrating the negative impact of inadequate connectivity on their daily lives.

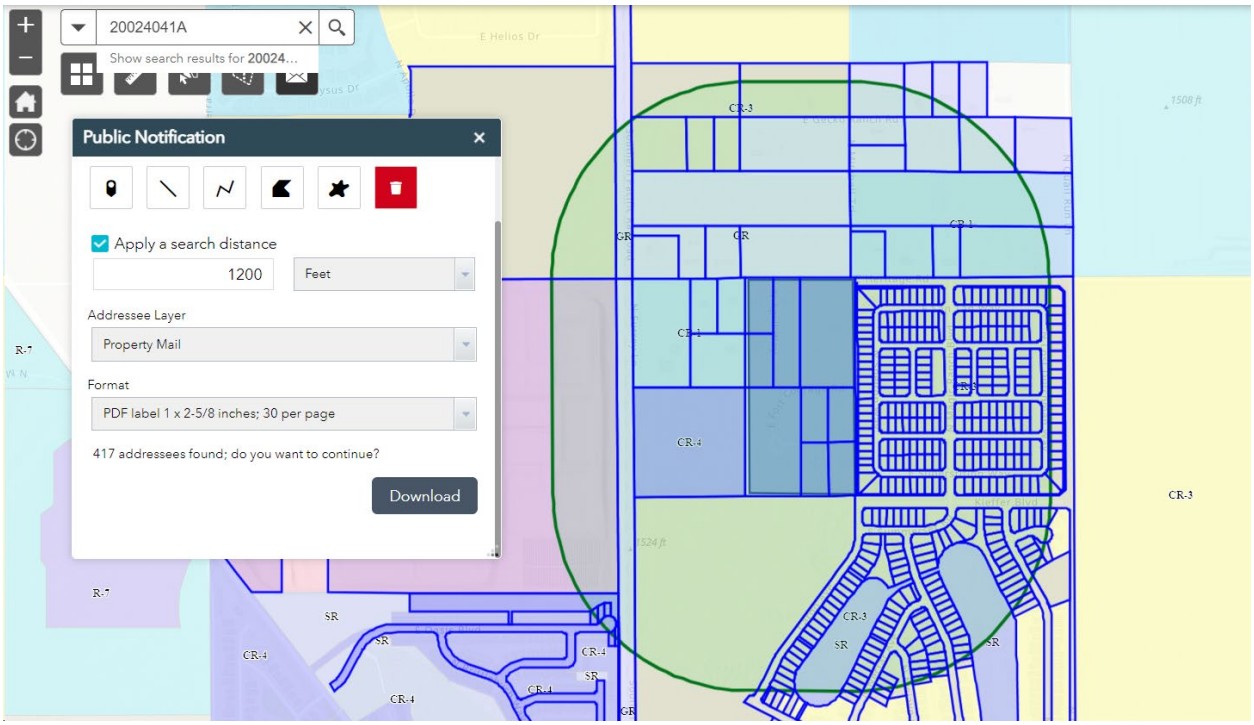
One attendee, who initially held a neutral stance on the matter, declared her support for the project after being presented with detailed information during the hearing. The presentation, which was disseminated to attendees via email after the hearing, included comprehensive data and analysis, as well as T-Mobile's report on Wireless Facilities and property values.

It is worth noting that several attendees voiced their frustration with the ongoing lack of coverage in the community. They emphasized that they have repeatedly approached the Homeowners Association (HOA) and communicated their concerns to the County, stressing the urgent need for improved connectivity infrastructure.

To date, we have received one email in support of the new WCF and one in opposition. The list below includes comments received via email, the property owners within 1200', and the list of community members who attended the neighborhood meeting on February 1st, 2024. Additionally, the neighborhood meeting presentation and T-Mobile's report on Wireless Facilities and property values is attached herein.

1. Christine Trent who lives at 6718 e San tan way Florence AZ opposes the proposed WCF.
2. Ian Peterson – In support of the proposed WCF.

Property owners within 1200’ of proposed WCF:



From: S48 Real Estate
To: planningdivision@pinal.gov
Subject: SUP-008-24 Neighbor Comments
Date: Thursday, August 8, 2024 4:02:20 PM

Good afternoon,

This email is intended for David Barclift. Please see the comments below for SUP-008-24.

Thank you,

Shannon McCrea
State 48 Development Consulting

From: Christine Trent <christinetrent23@gmail.com>
Sent: Monday, January 22, 2024 2:52 PM
To: S48 Real Estate <re@state48consulting.com>
Subject: Re: Vote no

Thank you I expect this to go before the board of supervisor this is a residential property it is encouraged that you find a commercial property to build a tower not a residential property.

Thank you
Christine Trent

On Mon, Jan 22, 2024 at 10:56 AM S48 Real Estate <re@state48consulting.com> wrote:

> Hi Christine,
>
> Thank you for your feedback regarding the new wireless facility. We'll pass your comments along.
>
> Best,
>
> Shannon
> State 48 Development Consulting
>
> ---
>
> **From:** Christine Trent <christinetrent23@gmail.com>
> **Sent:** Monday, January 22, 2024 9:35 AM
> **To:** S48 Real Estate <re@state48consulting.com>
> **Subject:** Vote no

As a resident who owns and lives at 6718 e San tan way Florence AZ I am voting no and against your proposal of APN 20024041A

Thank you

From: S48 Real Estate
To: planningdivision@pinal.gov
Subject: SUP-008-24 Neighbor Comments
Date: Thursday, August 8, 2024 4:04:01 PM

Good afternoon,

This email is intended for David Barclift. Please see the comments below for SUP-008-24.

Thank you,

Shannon McCrea
State 48 Development Consulting

From: Ian Peterson <usshigherperspectives@gmail.com>
Sent: Wednesday, January 17, 2024 12:11 PM
To: S48 Real Estate <re@state48consulting.com>
Subject: Re: Certified Letter

Thanks for the update. That's really good news, currently we have to use the internet. To make any calls.

Ian Peterson
PH:520-705-2019
usshigherperspectives@gmail.com

On Wed, Jan 17, 2024, 11:19 AM S48 Real Estate <re@state48consulting.com> wrote:

> Hi Ian,
>
> I was forwarded your email from Ben regarding the certified letter you will be receiving in the mail. The letter is to inform you of an upcoming community hearing on February 1, 2024 at 5:30 PM, located at 31505 N Schnepf Rd, San Tan Valley, AZ 85140. I've attached the letter herein.
>
> The community hearing is about the installation of a 110-foot Wireless Telecommunications Facility designed to resemble an elm tree. The overall height will be 115 feet, and it is intended to accommodate multiple major wireless carriers. The associated equipment will be securely enclosed within an 8' high CMU wall compound at the base of the tower. The hearing will give us the opportunity to share information about the submittal and allow the community to ask questions or express any concerns they may have.

Please let me know if you have additional questions.

Best,
Shannon

The next pages list all of the property owners within 1200' who were notified of the neighborhood community hearing.

BREER ALEC
24017 N NECTAR AVE
FLORENCE, AZ 85132

24053 N NECTAR AVE LLC
40376 N CAPE WRATH DR
SAN TAN VALLEY, AZ 85140

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

MITCHELL ROOSEVELT & CAR...
6498 E ESCAPE AVE
FLORENCE, AZ 85132

GARCIA ANNETTE
PO BOX 22023
TUCSON, AZ 85734

ALEXANDER ADOLPHUS E
24078 N DESERT DR
FLORENCE, AZ 85132

HAMPTON CAREY W & JANELL
6488 E ESCAPE AVE
FLORENCE, AZ 85132

KETCHUM ROBERT V
24050 N DESERT DR
FLORENCE, AZ 85132

PARKS GLEN J TRS
1426 S JESSICA LN
TEMPE, AZ 85281

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

CORLISS CHRISTOPHER
24053 N MOJAVE LN
FLORENCE, AZ 85132

MORGAN SOUTHEAST VALLEY ...
PO BOX 8308
TUCSON, AZ 85738

CORRELLI EDWARD R JR & GE...
24029 N NECTAR AVE
FLORENCE, AZ 85132

GOMEZ SANTOS & DEBRA
24044 N NECTAR AVE
FLORENCE, AZ 85132

WHEELING DANIEL & PAUL & J...
PO BOX 24
PLAZA, ND 58771

LEDAHL-SCHMIDT PEGGY J
754 MUNICH DR
BISMARCK, ND 58504

MCCREARY JAMES E III & LORI ...
24065 N MOJAVE LN
FLORENCE, AZ 85132

SERNA JOSEPH
24081 N MOJAVE LN
FLORENCE, AZ 85132

SERHAL TONY JIBRAYEL TR
1109 BRIARCLIFF RD
MONROVIA, CA 91016

MCINTOSH SARAH
24064 N DESERT DR
FLORENCE, AZ 85132

MARSHALL JASON
24065 N CARGO AVE
FLORENCE, AZ 85132

SCHLINGER SAMUEL
24041 N NECTAR AVE
FLORENCE, AZ 85132

WEST MICHELLE & EAARON
24059 N DESERT DR
FLORENCE, AZ 85132

O REILLY SEAN THOMAS
24083 N DESERT DR
FLORENCE, AZ 85132

TROMLEY BETTY
24020 N NECTAR AVE
FLORENCE, AZ 85132

SYLVIES RYAN KIM
24043 N CARGO AVE
FLORENCE, AZ 85132

KLEIN ALLAN & JACQUELYN
509 97A AVE
DAWSON CREEK, BC

QUICK JOHN WAYNE
24039 N MOJAVE LN
FLORENCE, AZ 85132

JAMES JOSHUA
24056 N NECTAR AVE
FLORENCE, AZ 85132

SUAREZ LUIS MANUEL HERNA...
24098 N DESERT DR
FLORENCE, AZ 85132

RESENDIZ VANEZZA
24077 N CARGO AVE
FLORENCE, AZ 85132

TYNER TERRY J
24115 N DESERT DR
FLORENCE, AZ 85132

DIVELEY JILLIAN
24143 N DESERT DR
FLORENCE, AZ 85132

BAZZANO JOSHUA
24092 N NECTAR AVE
FLORENCE, AZ 85132

HILLIER MICHAEL A & DAVISON...
24105 N CARGO AVE
FLORENCE, AZ 85132

BUIE MIHAELA
24166 N DESERT DR
FLORENCE, AZ 85132

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

HIXSON DALE CHARLES & LIND...
1608 SE 92ND CT
VANCOUVER, WA 98664

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

ELLISON DAVID JOSEPH & MIN...
24099 N MOJAVE LN
FLORENCE, AZ 85132

VALDEZ JEREMY D
24120 N NECTAR AVE
FLORENCE, AZ 85132

CAMPBELL KENNETH J & ELAIN...
BOX 187
ELROSE, SK

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

CUSYK BRANDON ROBERT
24117 N CARGO AVE
FLORENCE, AZ 85132

COBO KAYLE CHRISTIN
24141 N CARGO AVE
FLORENCE, AZ 85132

WACH SHARON A LIV TRUST
6774 E PINE WAY
FLORENCE, AZ 85132

FRIEDT JOEL & DIANA
1831 YELLOWSTONE AVE
BILLINGS, MT 59102

BRAND JOHN
3174 AARON DR
ELKO NEW MARKET, MN 55054

AZ SQUARE #12 LLC
1437 DENVER AVE STE 210
LOVELAND, CO 80538

SHATTUCK JOSEPH BURTON & ...
24154 N DESERT DR
FLORENCE, AZ 85132

STOTTLEMYER MARILYN A REV...
30312 MONDAVI CIR
MURRIETA, CA 92563

YARBROUGH GENE C & LENOR...
MAIL RETURN
,

SMILING DOLPHIN LLC
MAIL RETURN
,

HARMSEN WILLARD & SHARON
555 BRANDON PL APT A
BISMARCK, ND 58503

MOSIMA OBED ELONDO & ADA...
6197 E OASIS BLVD
FLORENCE, AZ 85132

ERBES L THOMAS
42422 THOMPSON BEACH LN
PELICAN RAPIDS , MN 56572

HASHAGEN MICHAEL E
MAIL RETURN
,

MCJILTON PAMELA S
24108 N NECTAR AVE
FLORENCE, AZ 85132

FAIRCHILD THOMAS & CAROLY...
1632 S DOODLER DR APT 84
SIOUX FALLS, SD 57103

BURNS SHAWN K & GRISELDA ...
24165 N CARGO AVE
FLORENCE, AZ 85132

CLEVENGER SCOTT A & ALICE ...
24179 N DESERT DR
FLORENCE, AZ 85132

FOSTER RODNEY SCOTT
24204 N HIGH DUNES DR
FLORENCE, AZ 85132

CHICO JOSE A COLLET & ROM...
24243 N CARGO AVE
FLORENCE, AZ 85132

CHURCH LISA G
24180 N HIGH DUNES DR
FLORENCE, AZ 85132

PARKS GLEN
1426 S JESSICA LN
TEMPE, AZ 85281

FLYGARE AARON
24221 N HIGH DUNES DR
FLORENCE, AZ 85132

VILLA ISSLAH R & SOSA LESLIE...
24174 N NECTAR AVE
FLORENCE, AZ 85132

WORKMAN STEVEN A & CHERY...
24220 N DESERT DR
FLORENCE, AZ 85132

PENDELL THOMAS
24252 N HIGH DUNES DR
FLORENCE, AZ 85132

DODD DOUGLAS
204 CRAZY HORSE PT
EDWARDS, CO 81632

MOSIMA EDMOND ELINGE MAL...
10290 E ASTER LN
FLORENCE, AZ 85132

OYSTRYK EUGENE
146 - 52505 RANGE RD 214
ARDROSSAN, AB

SWADLEY DEBRA M & DAVID
24191 N DESERT DR
FLORENCE, AZ 85132

MCCARTHY PATRICK
24213 N CARGO AVE
FLORENCE, AZ 85132

EDMONS MARY
24256 N DESERT DR
FLORENCE, AZ 85132

WONG PETER
81 EVEROAK CIR SW
CALGARY, AB

JACKRABBIT REAL PROPERTIE...
2558 S RIATA CT
GILBERT, AZ 85295

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

BROWN ANTHONY L & LASHAW...
3941 LINCOLN ST
GARY, IN 46408

ANDREW THE HOME BUYER LL...
698 N IOWA ST
CHANDLER, AZ 85225

GAUB CHRISTOPHER LYLE
24255 N CARGO AVE
FLORENCE, AZ 85132

FUNK DALE
PO BOX 1303
PROSSER, WA 99350

WISBEY SHERRY T LIV TRUST
1690 HIGHWAY 25 S
KETTLE FALLS, WA 99141

FKH SFR PROPCO K LP
1850 PARKWAY PL SE STE 900
MARIETTA, GA 30067

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

LEWIS TAMARA
24240 N HIGH DUNES DR
FLORENCE, AZ 85132

ZEBALLOS GUDELIA
24264 N HIGH DUNES DR
FLORENCE, AZ 85132

WAMBEKE GARY LEE & JULIE L...
PO BOX 1325
THREE FORKS, MT 59752

STEWART MICHAEL W
24244 N DESERT DR
FLORENCE, AZ 85132

MOLSTAD BRANDON L
24268 N DESERT DR
FLORENCE, AZ 85132

MCGEE KENNETH & ANNA MAR...
24269 N CARGO AVE
FLORENCE, AZ 85132

DOMASIN GREGORY & KATHLE...
1261 E ARALIA DR
KINGMAN, AZ 86409

CALDERON REYNA GANDARILL...
6766 E SUMMERSET RD
FLORENCE, AZ 85132

VALDIVIA JOHN & SMITH KRIST...
24255 N DESERT DR
FLORENCE, AZ 85132

VASQUEZ LUIS ALBERTO CONT...
6817 E SUMMERSET RD
FLORENCE, AZ 85132

SCHULTZ FRED M & LISA R
MAIL RETURN
,

HERTZOG RONALD ALAN TR
24245 N HIGH DUNES DR
FLORENCE, AZ 85132

COTE JOSEPH & MASSEY JOA...
24318 N HIGH DUNES DR
FLORENCE, AZ 85132

FINEMARK NATIONAL BANK & T...
7600 E DOUBLETREE RANCH R...
SCOTTSDALE, AZ 85258

HORNBACK COURTNEY & SUN...
24276 N HIGH DUNES DR
FLORENCE, AZ 85132

LASOTA PAUL ROBERT & GRAC...
6654 E SUMMERSET RD
FLORENCE, AZ 85132

CAZARES ALEX
24332 N HIGH DUNES DR
FLORENCE, AZ 85132

BEHM ROBERT NEIMAN
6955 E SISSO PL
FLORENCE, AZ 85132

MELLO DWAINE MARC
6670 E SUMMERSET RD
FLORENCE, AZ 85132

NORMAN ROBERT C
PO BOX 834
PILOT BUTTE, SK

JOHNSON HERMAN
24259 N HIGH DUNES DR
FLORENCE, AZ 85132

FKH SFR N LP
1850 PARKWAY PL STE 900
MARIETTA, GA 30067

CATAMOUNT PROPERTIES 201...
2320 POTOSI ST STE 130
LAS VEGAS, NV 89146

VIDMAR JOSEPH C
24283 N CARGO AVE
FLORENCE, AZ 85132

ALL IN INVESTMENTS LLC
333 VIA LIDO NORD
NEWPORT BEACH, CA 92663

GARCIA EDER BERNARDINO & ...
6930 E SISSO PL
FLORENCE, AZ 85132

AMH 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

MELLINGER THOMAS J & ALMA...
6712 E SUMMERSET RD
FLORENCE, AZ 85132

SHARPE-DELOACH MIA ROSEM...
6942 E SISSO PL
FLORENCE, AZ 85132

HARDIN RONNIE LEE JR & VICK...
24279 N DESERT DR
FLORENCE, AZ 85132

STELLWAGEN MELISSA ANN
6726 E SUMMERSET RD
FLORENCE, AZ 85132

RAMIREZ DANIEL JR
6956 E SISSO PL
FLORENCE, AZ 85132

TILLMAN NICOLE M
24290 N HIGH DUNES DR
FLORENCE, AZ 85132

TAH 2018-1 BORROWER LLC
MAIL RETURN
,

APOSTELLO JANICE E
6703 E SUPERSTITION WAY
FLORENCE, AZ 85132

FERNANDEZ DANIEL & JORDYN
6717 E SUPERSTITION WAY
FLORENCE, AZ 85132

ABOYTES MARTIN & FENT SAR...
3600 N EMERALD CREEK DR
FLORENCE, AZ 85132

GUERRERO ERNESTO & STAC...
24400 N SHELTON WAY
FLORENCE, AZ 85132

BFM INVESTMENT GROUP LLC
1006 STONEBRIDGE DR
NAPA, CA 94558

BYERLY STEVEN
6885 E SUPERSTITION WAY
FLORENCE, AZ 85132

TAH 2018-1 BORROWER LLC
24401 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

RAPHAEL NATALIE
6745 E SUPERSTITION WAY
FLORENCE, AZ 85132

BRIGHT CHARLES T & TWYLA L...
6899 E SUPERSTITION WAY
FLORENCE, AZ 85132

CERDHE LOGAN
PO BOX 32173
MESA, AZ 85275

SCHNEIDER DAVID & JESSICA
2415 E OMEGA DR
SAN TAN VALLEY, AZ 85143

ASPEN RIDGE INVESTMENTS L...
2810 MEADOWSIDE CT
BROOKFIELD, WI 53005

WEAVER MIAH K
6690 E SUPERSTITION WAY
FLORENCE, AZ 85132

MCCLEVE VERL & ANNA FAMIL...
176 W 7TH ST S
SNOWFLAKE, AZ 85937

MILES MICHAEL R
6927 E SUPERSTITON WAY
FLORENCE, AZ 85132

KELLY HEATHER RENEE
6704 E SUPERSTITION WAY
FLORENCE, AZ 85132

STALL MICHAEL A & CHRISTINE...
6773 E SUPERSTITION WAY
FLORENCE, AZ 85132

GREER LLAYRRON
6941 E SUPERSTITION WAY
FLORENCE, AZ 85132

LANE KIMBERLY J
6718 E SUPERSTITION WAY
FLORENCE, AZ 85132

KRETZINGER DAN WILLIAM & T...
2160 MULBERRY AVE
CORNING, IA 50841

VILAIRE JEAN EDDY & STACEY ...
6675 E SUPERSTITION WAY
FLORENCE, AZ 85132

STOCKLEY KARL E JR & STOC...
6732 E SUPERSTITION WAY
FLORENCE, AZ 85132

OVERALL JESSICA & BRANDON
6829 E SUPERSTITION WAY
FLORENCE, AZ 85132

ROBINSON JOSH L & SHELLEY ...
4522 5TH AVE W
HIBBING, MN 55746

SUEMART LLC
428 CHERRY BLOSSOM LOOP
RICHLAND, WA 99352

HALL BRUCE ALVIN & JANELLE ...
6843 E SUPERSTITION WAY
FLORENCE, AZ 85132

ADAMS OLGA A
24376 N SHELTON WAY
FLORENCE, AZ 85132

JOHNSTON KAREN HELENE
6760 E SUPERSTITION WAY
FLORENCE, AZ 85132

WATTS CHRISTINE M & AARON
6857 E SUPERSTITION WAY
FLORENCE, AZ 85132

TOMPKINS BARBARA J FAM TR...
2630 N 87TH TER
SCOTTSDALE, AZ 85257

HARDISTY LUKE EDWARD
6774 E SUPERSTITION WAY
FLORENCE, AZ 85132

ALCARAZ RUDY GILBERT JR
6788 E SUPERSTITION WAY
FLORENCE, AZ 85132

HARRIS KALEB A & ALFARO MI...
24428 N SHELTON WAY
FLORENCE, AZ 85132

RODRIGUEZ CONCEPCION JR
6745 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MATTHEWS KENNETH & KIMBE...
6816 E SUPERSTITION WAY
FLORENCE, AZ 85132

AKINDE OMOTAYO
24419 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

GARCIA SABRINA
6759 E FOUR PEAKS WAY
FLORENCE, AZ 85132

PACHECO MARTIN JR
6830 E SUPERSTITION WAY
FLORENCE, AZ 85132

SEAVEY JACQUELINE
2833 DESERT CRYSTAL DR
LAS VEGAS, NV 89134

MCFARLAND WILLIAM R & NINA...
6773 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MCKNIGHT PATRICIA A REV TR...
6844 E SUPERSTITION WAY
FLORENCE, AZ 85132

FULTON BENNETT & CARLENE
6561 E SUNNYSLOPE RD
FLORENCE, AZ 85132

ARP 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

QUICK MATTHEW S
6858 E SUPERSTITION WAY
FLORENCE, AZ 85132

WOODS MARK
6650 E OASIS BLVD
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

CHAMBERS SHERRY L
6872 E SUPERSTITION WAY
FLORENCE, AZ 85132

PADILLA MARILYN THERESA
24437 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MISTICO MICHAEL P & JENNIFE...
6815 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CARTER SHEILA
6886 E SUPERSTITION WAY
FLORENCE, AZ 85132

BINION KIMBERLEE & STONE B...
6689 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMITH CHADRICK LEE & ANDR...
317 AGATE ST
ROCK SPRINGS, WY 82901

GUMASKAS GREGG
6900 E SUPERSTITION WAY
FLORENCE, AZ 85132

TYBURSKI STANLEY J & MARIA...
6703 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MITCHELL SHAUN & SIERRA
6843 E FOUR PEAKS WAY
FLORENCE, AZ 85132

WALTERS DAVID & LEAH
6914 E SUPERSTITION WAY
FLORENCE, AZ 85132

VARGAS DAVID & DONNA
6717 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMITH-MICHALAK ASHLEY
6857 E FOUR PEAKS WAY
FLORENCE, AZ 85132

BARRETT LAURIE
6928 E SUPERSTITION WAY
FLORENCE, AZ 85132

SHOVER JASON
6731 E FOUR PEAKS WAY
FLORENCE, AZ 85132

BISHOP EMILIE NICOLE & ROB...
6871 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DOHRMAN APRIL
6885 E FOUR PEAKS WAY
FLORENCE, AZ 85132

HOFFMAN CHARLES W JR & R...
15 HIDDEN VALLEY RD
POMONA, CA 91766

SCHIFANO WILLIAM D
6844 E FOUR PEAKS WAY
FLORENCE, AZ 85132

SMYERS WILLIAM A
6899 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MELTON CASSANDRA
6704 E FOUR PEAKS WAY
FLORENCE, AZ 85132

EATON MICHAEL
6858 E FOUR PEAKS WAY
FLORENCE, AZ 85132

ROOT NICHOLAS
6913 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CIN ALBERT
6340 RUTHERFORD PL
SUWANEE, GA 30024

LYDON PATRICK MARTIN & CAR...
6872 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVI A
1413 BIRCH ST
MONTEBELLO, CA 90640

TAYLOR JESSE III
6732 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CASTANEDA JUSTIN & SABRIN...
6886 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

ARP 2014-1 BORROWER LLC
23975 PARK SORRENTO STE 30...
CALABASAS, CA 91302

GRIJALVA JOYCE RAE
6900 E FOUR PEAKS WAY
FLORENCE, AZ 85132

STEELE RENEE & TIMOTHY
24456 N SHELTON WAY
FLORENCE, AZ 85132

TAYLOR TRENTEN EUGENE
6760 E FOUR PEAKS WAY
FLORENCE, AZ 85132

CARNABUCI CYNTHIA A
6914 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MILLER RICHARD
24455 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

CARR KENNETH J & CARROTH...
6774 E FOUR PEAKS WAY
FLORENCE, AZ 85132

MELTZER DANIEL & MELODIE LI...
6928 E FOUR PEAKS WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVIA
1413 BIRCH ST
MONTEBELLO, CA 90640

PHELPS DANIEL M
6788 E FOUR PEAKS WAY
FLORENCE, AZ 85132

ORSO BRENDA & HERBERT A II...
24491 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

STANIFER WESLEY
24473 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

VILLAVERDE SARA ROSE
MAIL RETURN
,

THOMAS DOMONIQUE & ALEC ...
24498 N SHELTON WAY
FLORENCE, AZ 85132

LEE AARON
3842 S SPINNAKER BAY DR
SARATOGA SPRINGS, UT 8404...

SHARIF KHALID
105 N PASADENA ST
GILBERT, AZ 85233

KLEWIN MARK ANDREW
4330 N RANIER CIR
MESA, AZ 85215

HODGINS WAYNE S
PO BOX 99
BLADWORTH, SK

VILLICANA DANIELA
6815 E JAVALINA WAY
FLORENCE, AZ 85132

FREI CHRISTINE A
24526 N SHELTON WAY
FLORENCE, AZ 85132

MENDOZA JOSE LUIS
6689 E JAVALINA WAY
FLORENCE, AZ 85132

WRIGHT KIRK C
6829 E JAVALINA WAY
FLORENCE, AZ 85132

BENNETT ALYSSA
24527 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MACLIN MELVIN
6703 E JAVALINA WAY
FLORENCE, AZ 85132

HUBAND GINGER TR
1637 TOMMY AARON DR
EL PASO, TX 79936

RIVAS JAIME A & LAUDIA K
26206 LARKHAVEN PL
NEWHALL, CA 91321

MILE HIGH BORROWER 1 (VAL...
PO BOX 4090
SCOTTSDALE, AZ 85261

BROOKS JEFFERY & BROOKS-...
15206 EDGEMOOR ST
SAN LEANDRO, CA 94579

OLSEN RAYMOND W & KAREN ...
621 W DESERT AVE
GILBERT, AZ 85233

HEGEDUS ROBERT S & DEBOR...
6731 E JAVALINA WAY
FLORENCE, AZ 85132

MORRIS AUBRIANA E & KYLE A...
6871 E JAVALINA WAY
FLORENCE, AZ 85132

LARSEN KEITH M
6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

RIVERA JOHN JOSEPH TR
4939 FLOWER CT
ROHNERT PARK, CA 94928

ROSOCHOWATY CHERYL & ED...
BOX 27
BERWYN , AB

STREBE DAVID & LA REA LIV T...
348 N WILDROSE
MESA, AZ 85207

BUCKLEY ROBERT DOUGLAS
139 WHITE SWAN DR
SASKATOON, SK

LAUB-OSON MEGAN
6899 E JAVALINA WAY
FLORENCE, AZ 85132

MORRIS KELLY
PO BOX 7433
MESA, AZ 85216

CHOVANEC BREANNA KALEEN
3167 E DESERT MOON TRL
SAN TAN VALLEY, AZ 85143

YOUNG JASON & JAMIE
3427 E BLUE RIDGE WAY
GILBERT, AZ 85298

MILE HIGH BORROWER 1 (VAL...
PO BOX 4090
SCOTTSDALE, AZ 85261

ANGUIANO FRANK S
13917 HALCOURT AVE
NORWALK, CA 90650

KUNKEL RONALD & REGINA
6927 E JAVALINA WAY
FLORENCE, AZ 85132

MORFIN MARIA & ARREOLA GU...
24546 N RED ROCK WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

SEAL TONY
24547 N RED ROCK WAY
FLORENCE, AZ 85132

ORNELAS MARCOS DANIEL JR ...
24541 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

STAR 2022-SFR3 BORROWER L...
591 W PUTNAM AVE
GREENWICH, CT 06830

CLOUS VICKIE
24580 N SAGUARO WAY
FLORENCE, AZ 85132

COX ROBERT THOMAS
24544 N SAGUARO WAY
FLORENCE, AZ 85132

SIMPSON CRAIG JR
24562 N SAGUARO WAY
FLORENCE, AZ 85132

ANDERSEN DAVID CARL
132 W 71ST ST APT 15
NEW YORK, NY 10023

CADMAN ROSHEM & LOUANNA
24543 N SAGUARO WAY
FLORENCE, AZ 85132

OLSON DAWN
24561 N SAGUARO WAY
FLORENCE, AZ 85132

HARTY ROYCE A & LAURA S
24580 N APACHE WAY
FLORENCE, AZ 85132

CLAYTON KAYLEE LARISSA
24544 N APACHE WAY
FLORENCE, AZ 85132

MORRISON HEATHER M
24562 N APACHE WAY
FLORENCE, AZ 85132

SUNDER STEVEN M & KARI L
24579 N APACHE WAY
FLORENCE, AZ 85132

NICKERSON RONALD & VIRGIN...
24543 N APACHE WAY
FLORENCE, AZ 85132

DEMIRJIAN JIRAIR & SILVIA
1413 BIRCH ST
MONTEBELLO, CA 90640

SANDOVAL VERONICA
24589 N SHELTON WAY
FLORENCE, AZ 85132

ANELIME PROFESSIONAL MEDI...
9341 E MCKELLIPS RD
MESA, AZ 85207

HAMILTON JEFFREY L & BETTY...
24575 N SHELTON WAY
FLORENCE, AZ 85132

PINCHES THOMAS A & MARY E ...
4007 ROAD 107
PASCO, WA 99301

MAGEE JERRY MACK II & TIFFA...
24561 N SHELTON WAY
FLORENCE, AZ 85132

ALVAREZ JAEL GONZALEZ & B...
24574 N RED ROCK WAY
FLORENCE, AZ 85132

WEBER JERALD F & BARBRA K
BOX 939
CARLYLE , SK

JACQUEZ SERGIO JR
24560 N RED ROCK WAY
FLORENCE, AZ 85132

GARROW DAVID & DARLENE
24575 N RED ROCK WAY
FLORENCE, AZ 85132

BAKER EDDIE JAMES & LISA
24596 N SHELTON WAY
FLORENCE, AZ 85132

WOLFE JOSEPH J
24561 N RED ROCK WAY
FLORENCE, AZ 85132

BATELLO RENATO & REBECCA
1900 COLORADO AVE
BLACK EAGLE, MT 59414

ACOSTA MOSES
24595 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

JEFFERSON SHANA A
24559 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

JONES MICHAEL A & ANNE M
7607 STAUFFER RD
STANWOOD, WA 98292

HUFFMAN EVERETT
24598 N SAGUARO WAY
FLORENCE, AZ 85132

TAYLOR WILLIAM O
24597 N SAGUARO WAY
FLORENCE, AZ 85132

WEST SANDRA K
24616 N RED ROCK WAY
FLORENCE, AZ 85132

JPS SERVICES LLC
PO BOX 431
GILBERT, AZ 85299

DRAVIS JAMIE & MICHAEL E
24598 N APACHE WAY
FLORENCE, AZ 85132

BERCARU CONSTANTIN A
PO BOX 10776
WESTMINSTER, CA 92685

BARNETT ANGELA D & CLINTO...
6439 E HERITAGE RD
FLORENCE, AZ 85132

TIMMONS JOSEPH
24597 N APACHE WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

WARD LEILA
24612 N APRIL WAY
FLORENCE, AZ 85132

URANGO EILEEN
24603 N SHELTON WAY
FLORENCE, AZ 85132

KOSINSKI JUSTIN R
108 N ADAMS ST
COOLIDGE, AZ 85128

THERIAULT MORGAN & QUINLI...
24649 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

RIVAS SANDRA I
24602 N RED ROCK WAY
FLORENCE, AZ 85132

ARROTTA CASSANDRA L
24615 N SAGUARO WAY
FLORENCE, AZ 85132

PAGAYA SMARTRESI F1 FUND ...
1950 E GREYHOUND PASS STE ...
CARMEL, IN 46033

ARIZONA PROPERTIES LLC
1844 GLEN COVE DR
BENTON, LA 71006

HALSTEAD JOSEPH N
24616 N APACHE WAY
FLORENCE, AZ 85132

PELTON JEFFERY T
6690 E PINE WAY
FLORENCE, AZ 85132

NGOH SALOME E
826 RAY RD
HYATTSVILLE, MD 20783

LIMES EMERSON & EMMA RAB...
24615 N APACHE WAY
FLORENCE, AZ 85132

FATHERANDSONLUNDAHL LLC
3048 E BASELINE RD STE 108
MESA, AZ 85204

BRICE JENNIFER
24613 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

CLEMENTS RICHMOND E
24772 SUTTON LN
LAGUNA NIGUEL, CA 92677

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

SE PROPERTIES LLC
3385 E BARBARITA AVE
GILBERT, AZ 85234

MCCARTY NORRIS L & CHRISTI...
6732 E PINE WAY
FLORENCE, AZ 85132

TORTOLANI KENNETH G JR TR...
10306 GATEWATER CT
OCEAN CITY, MD 21842

HUNTER TAWANDA
24631 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

BLUE FAIRWAY LLC
1085 VIA LA COSTA WAY
KAYSVILLE, UT 84037

OSIRO DENIS & SHANNON
6760 E PINE WAY
FLORENCE, AZ 85132

MCCARLEY CORY ANDREA
6914 E PINE WAY
FLORENCE, AZ 85132

JACKRABBIT REAL PROPERTIE...
2558 S RIATA CT
GILBERT, AZ 85295

WACH DAVID
6774 E PINE WAY
FLORENCE, AZ 85132

FAY GEORGE
19024 E KARSTEN DR
QUEEN CREEK, AZ 85142

CROUSE JOSEPH & GABRIELL...
7254 E CAROL AVE
MESA, AZ 85208

BELL CHRISTOPHER S
6788 E PINE WAY
FLORENCE, AZ 85132

BERTNESS WAYNE
1980 POWELL CRES
ABBOTSFORD, BC

GALCERAN CANDICE A
6773 E SAN TAN WAY
FLORENCE, AZ 85132

POWELL ADAM & JENNIFER
6816 E PINE WAY
FLORENCE, AZ 85132

CHAMBERS KELLY I
24667 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

BROWN CARMELITA P & DWAY...
6787 E SAN TAN WAY
FLORENCE, AZ 85132

RUIZ JIMMY A
6830 E PINE WAY
FLORENCE, AZ 85132

HUBAND GINGER TR
1637 TOMMY AARON DR
EL PASO, TX 79936

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

HETTLE SARA
6844 E PINE WAY
FLORENCE, AZ 85132

ROBERTS STEPHEN JAMES
24685 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

HAGBERG ROBERT & SANDRA
30178 N CORAL BEAN DR
SAN TAN VALLEY, AZ 85143

VALENTINO JASON M & MISTI L...
9843 E TUNGSTEN DR
MESA, AZ 85212

WHITE ANDREW D
6689 E SAN TAN WAY
FLORENCE, AZ 85132

VALENZUELA ISRAEL & MARQU...
6829 E SAN TAN WAY
FLORENCE, AZ 85132

THORNTON STARLENE
6872 E PINE WAY
FLORENCE, AZ 85132

GREENE MATTHEW L
10053 W WIZARD LN
PEORIA, AZ 85383

XU HONG
6843 E SAN TAN WAY
FLORENCE, AZ 85132

SALINAS LIZA & SALINAS MARI...
6886 E PINE WAY
FLORENCE, AZ 85132

MOORE MARGARET ANN & TH...
6717 E SAN TAN WAY
FLORENCE, AZ 85132

MCNAMARA KYLER
6857 E SAN TAN WAY
FLORENCE, AZ 85132

FRIESSEN ROBERT W
6900 E PINE WAY
FLORENCE, AZ 85132

EGER MARY F
6731 E SAN TAN WAY
FLORENCE, AZ 85132

TROTTER DENNIS EARL LIVING...
PO BOX 941
CONCHO, AZ 85924

SEARS CARRIE
6885 E SAN TAN WAY
FLORENCE, AZ 85132

RYKER PROPERTIES LLC
2863 E PARK AVE
GILBERT, AZ 85234

RAMSAY AMANDA & DROWSKY...
6872 E SAN TAN WAY
FLORENCE, AZ 85132

DAVIS RANDELL
6899 E SAN TAN WAY
FLORENCE, AZ 85132

TRENT CHRISTINE A
6718 E SAN TAN WAY
FLORENCE, AZ 85132

STAIS DANIEL & MORTON MICH...
6886 E SAN TAN WAY
FLORENCE, AZ 85132

CERBONE LAWRENCE V
6913 E SAN TAN WAY
FLORENCE, AZ 85132

LSF9 MASTER PARTICIPATION ...
6732 E SAN TAN WAY
FLORENCE, AZ 85132

JEFFERIES MICHAEL G
4350 RIVERTON AVE
ANCHORAGE, AK 99516

MORGAN JOYCE
6927 E SAN TAN WAY
FLORENCE, AZ 85132

SALDANA MARCO B & JENNI L
6746 E SAN TAN WAY
FLORENCE, AZ 85132

PARGA ADRIAN E & ROSSLYNN ...
6914 E SAN TAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

MANRIQUEZ CHRISTOPHER J
6760 E SAN TAN WAY
FLORENCE, AZ 85132

KELLEY ROBERT
6928 E SAN TAN WAY
FLORENCE, AZ 85132

CRUTCHFIELD DOUGLAS ALLE...
24694 N SHELTON WAY
FLORENCE, AZ 85132

MCNAMARA KEVIN
6774 E SAN TAN WAY
FLORENCE, AZ 85132

RAUSBECK CLAY & TONIA
2063 E BRIGADIER DR
GILBERT, AZ 85298

MATSUMURA CHRISTOPHER M...
24703 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

SMITH TIMOTHY R & KATHERIN...
6788 E SAN TAN WAY
FLORENCE, AZ 85132

RAMOS MARIBEL
5861 E HARMONY AVE
MESA, AZ 85206

PARCON-DUNCAN BELINDA
24708 N SHELTON WAY
FLORENCE, AZ 85132

STARLARD MICHAEL A
6830 E SAN TAN WAY
FLORENCE, AZ 85132

CIARAMELLA MARK
24721 N LOST DUTCHMAN WAY
FLORENCE, AZ 85132

MONTES ANEL
6676 E SAN TAN WAY
FLORENCE, AZ 85132

TOMS LORIE
14529 E EDGEWATER CT
FOUNTAIN HILLS, AZ 85268

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

BERTNESS WAYNE
1980 POWELL CRES
ABBOTSFORD, BC

PEREZ OSCAR C
6858 E SAN TAN WAY
FLORENCE, AZ 85132

MAGIC RANCH HOMEOWNERS ...
4135 S POWER RD STE 122
MESA, AZ 85212

FENN PHILIP & NINA
24583 N SURREY LN
FLORENCE, AZ 85132

RAJ RAVI & LALITHA TRS
1560 S CARRIAGE LN
CHANDLER, AZ 85286

LANGLEY MCRAE 10 LLC
2738 E GUADALUPE RD
GILBERT, AZ 85234

BARRIOS ARMANDO AVILA
MAIL RETURN
,

GRAY ALLISON M
6716 E HERITAGE RD
FLORENCE, AZ 85132

ROJAS DEREK
6824 E GECKO RANCH RD
FLORENCE, AZ 85132

CRAWFORD MICHELLE L
6433 E HERITAGE RD
FLORENCE, AZ 85132

LUNA EVELYN MARIBEL ESTRA...
6804 E HERITAGE RD
FLORENCE, AZ 85132

CASTRO DONALD A
6868 E GECKO RANCH RD
FLORENCE, AZ 85132

ALEXANDER LEE & LYNNDEE
6457 E HERITAGE RD
FLORENCE, AZ 85132

PUTRUS MIKHAIL & SABIHA TR...
3328 E INVERNESS AVE
MESA, AZ 85204

UNION PACIFIC RAILROAD
1400 DOUGLAS ST STOP 1640
OMAHA, NE 68179

MARSYLA MICHAEL B & CHRIS...
6517 E HERITAGE RD
FLORENCE, AZ 85132

XCEL BUILDERS LLC
PO BOX 845
QUEEN CREEK, AZ 85142

MAROK ROBERT
735 HOBBIT HILL DR
FAIRBANKS, AK 99712

COOPER JERAMY D & SHASTI ...
6633 E HERITAGE RD
FLORENCE, AZ 85132

TUCKFIELD DUSTY L
MAIL RETURN
SAN TAN VALLEY, AZ 85143

MORRIS MELANIE MARIE
6518 E ESCAPE AVE
FLORENCE, AZ 85132

LEVEL 3 COMMUNICATIONS LL...
1025 ELDORADO BLVD
BROOMFIELD, CO 80021

CHAVEZ JASON LEE
10099 E HAY LOFT RD
FLORENCE, AZ 85132

VANDERPOST DANA
24 NORTHLANDER WAY W
LETHBRIDGE, AB

JACQUEZ SERGIO JR
26116 S 203RD PL
QUEEN CREEK, AZ 85142

ELLIE FAMILY LTD PSHIP
1911 E EL FREDA RD
TEMPE, AZ 85284

KIZIER AARON & MAYA
24158 N NECTAR AVE
FLORENCE, AZ 85132

LAIRD KURTIS RAY & AIMEE MA...
6344 E HERITAGE RD
FLORENCE, AZ 85132

GARCIA JOSE F VENZOR
38467 N ARMADILLO DR
SAN TAN VALLEY, AZ 85140

DANIEL MATTHEW
24215 N DESERT DR
FLORENCE, AZ 85132

ROE ROGER D & MARTHA E TR...
1010 TERRACE RD SPC 20
SAN BERNARDINO, CA 92410

MAGIC 37 LLC
5080 N 40TH ST STE 205
PHOENIX, AZ 85018

GARCIA ELENA
24229 N DESERT DR
FLORENCE, AZ 85132

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

OASIS AT MAGIC RANCH HOA
PO BOX 1326
QUEEN CREEK, AZ 85142

EVANS MARVIN K & ELAINE M L...
6499 E GECKO RANCH RD
FLORENCE, AZ 85132

GREGG BRYCEN & ROBINSON ...
6781 E SUMMERSET RD
FLORENCE, AZ 85132

UNION PACIFIC RAILROAD
1400 DOUGLAS ST STOP 1640
OMAHA, NE 68179

LUNA MARIA E
6804 E HERITAGE RD
FLORENCE, AZ 85132

CARILLON CLASTIC LLC
1259 S 32ND ST
MESA, AZ 85204

HERRERA RENE S & BERTHA A
6164 E OASIS BLVD
FLORENCE, AZ 85132

POULSON BARBARA A & RAYM...
6778 E GECKO RANCH RD
FLORENCE, AZ 85132

CALHOUN JASON E & ASHLEY
6805 E SUMMERSET RD
FLORENCE, AZ 85132

ENDICOTT STEFANIE J
6178 E OASIS BLVD
FLORENCE, AZ 85132

LANGLEY MCRAE 10 LLC
2738 E GUADALUPE RD
GILBERT, AZ 85234

THE OASIS AT MAGIC RANCH H...
PO BOX 1326
QUEEN CREEK, AZ 85142

FLORES JORGE L SOTO
6188 E OASIS BLVD
FLORENCE, AZ 85132

SANGER ARIELLE
9612 E TANGERINE RD
FLORENCE, AZ 85132

,

,

LUNA AXEL ULISES MELLADO
24995 N MITCHELL TRL
FLORENCE, AZ 85132

DUPONTE JAMES
120 S HOUGHTON RD # 138-147
TUCSON, AZ 85748

EPCOR WATER ARIZONA INC
2355 W PINNACLE PEAK RD
PHOENIX, AZ 85027

EPCOR WATER ARIZONA INC
2355 W PINNACLE PEAK RD ST...
PHOENIX, AZ 85027

RMG RESIDENTIAL 2010 LLLP
8800 N GAINEY CENTER DR ST...
SCOTTSDALE, AZ 85258

SIERRA KARLA LUNA
24995 N MITCHELL TRL
FLORENCE, AZ 85132

EPCOR WATER ARIZONA INC
2355 WEST PINNACLE PEAK R...
PHOENIX, AZ 85027

PESTOTNIK ENTERPRISES LLC
8573 W 84TH CIR
ARVADA, CO 80005

EPCOR WATER ARIZONA INC
2355 WEST PINNACLE PEAK R...
PHOENIX, AZ 85027

ARIZONA LAND PARTNERS
1224 W 96TH ST
BLOOMINGTON, MN 55431

Name	Address	Email
Patricia Easterday	6497 E Sunnyslope Rd	patriciaeasterday@gmail.com
Robert Easterday	6497 E Sunnyslope Rd.	easterdayrobert8.gmail
Jonette Spencer	6497 E Sunnyslope Rd	jonettespencer@gmail.com
Keith Larsen	"	Keithmlarsen63@gmail.com
Bennett Fulton	6561 E Sunnyslope Rd	bennett.fulton@gmail.com
Stephen Mansfield	23669 N. High Desert Dr	fuzzystephen@gmail.com
Jan Apostello	6703 E Superstition Way	Florence apostellojan@gmail.com
Christine & Aaron Watts	6857 E Superstition Way	mrschristinewatts@gmail.com atwatts77@gmail.com
Bill & Sharon Harmsen	24167 N Desert Dr. Florence, AZ	harm0825@bis.midco.net

New Proposed Wireless Facility US-AZ-5186 | Z-PA-155-23

Pinal County Neighborhood Meeting | February 1, 2024

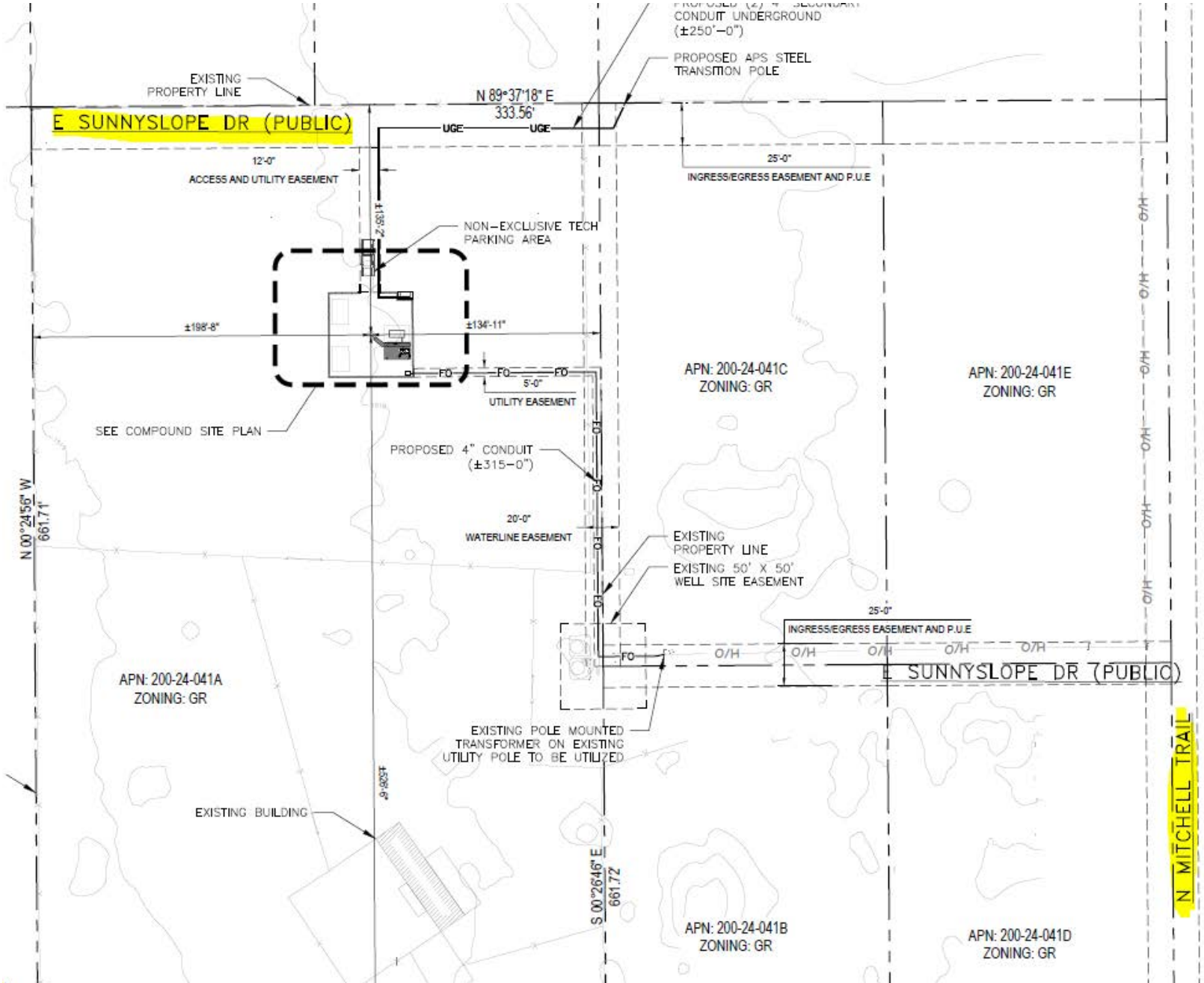
Assessors Parcel Number | 200-24-041A

Presentation Prepared by State 48 Development Consulting

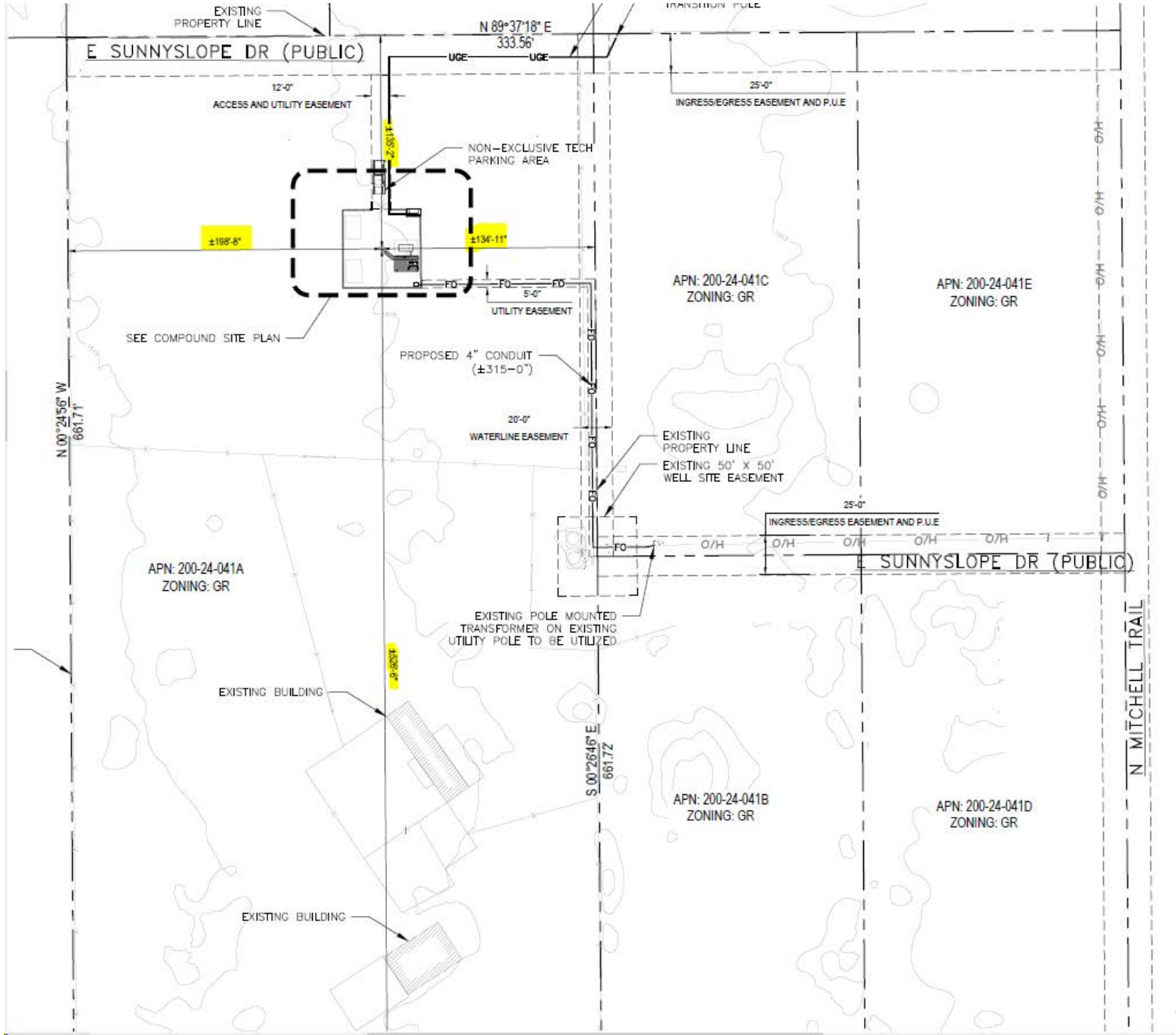
New Proposed Wireless Facility

- Located on Parcel 200-24-041A | General Rural (GR) – Residential
- Designed as a Monoelm
- Located within a 50’x50’ enclosure surrounded by an 8’ CMU Wall Compound
- Overall height of 110’ (105’ Top of Steel, with a 4’ Lightning Rod)
- Allows for co-location and may include multiple concealed antenna

Overall Site Plan



Overall Site Plan Continued



Setbacks:

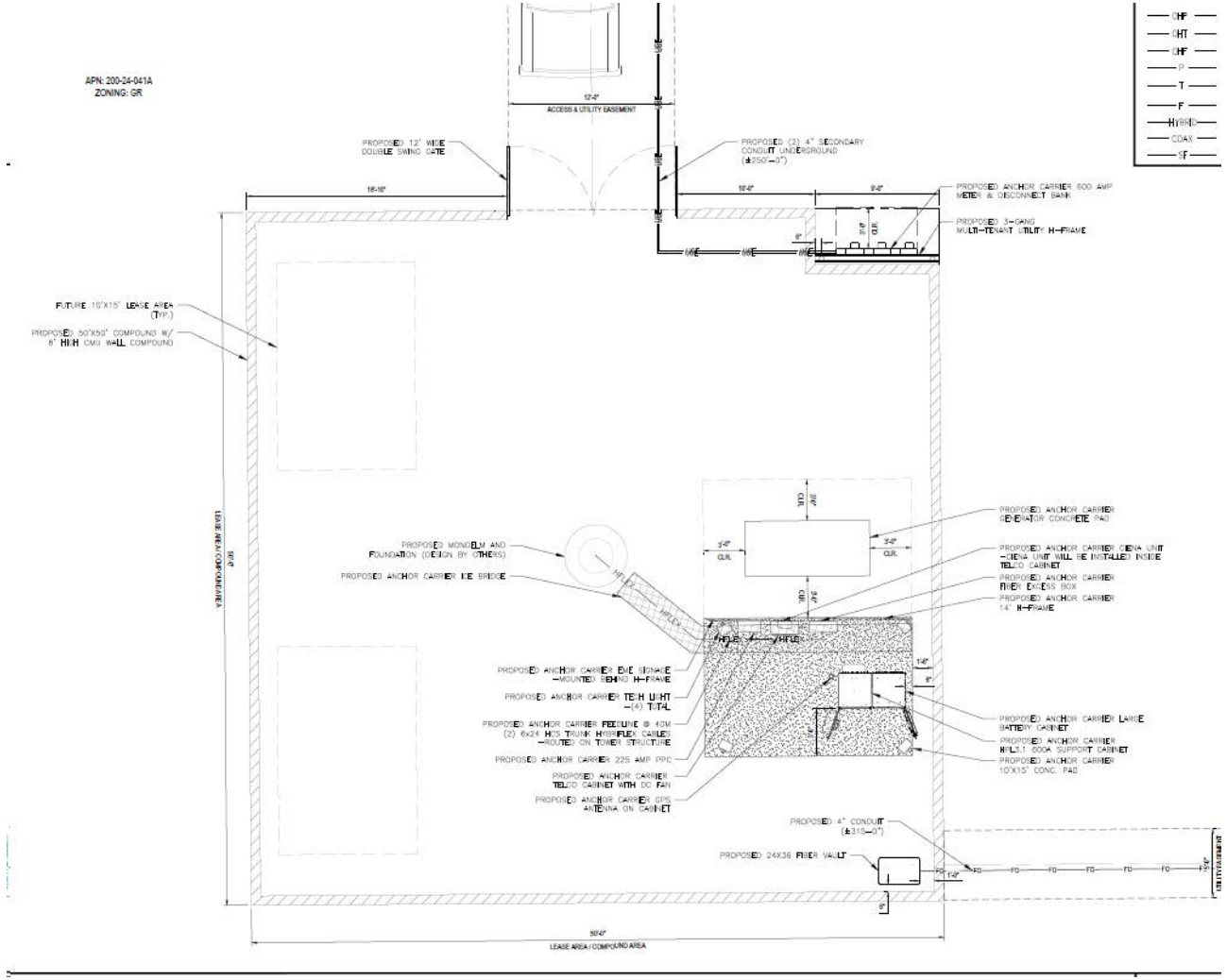
- North: 135'-2"
- South: 526'-6"
- West: 198'-8"
- East: 134'-11"

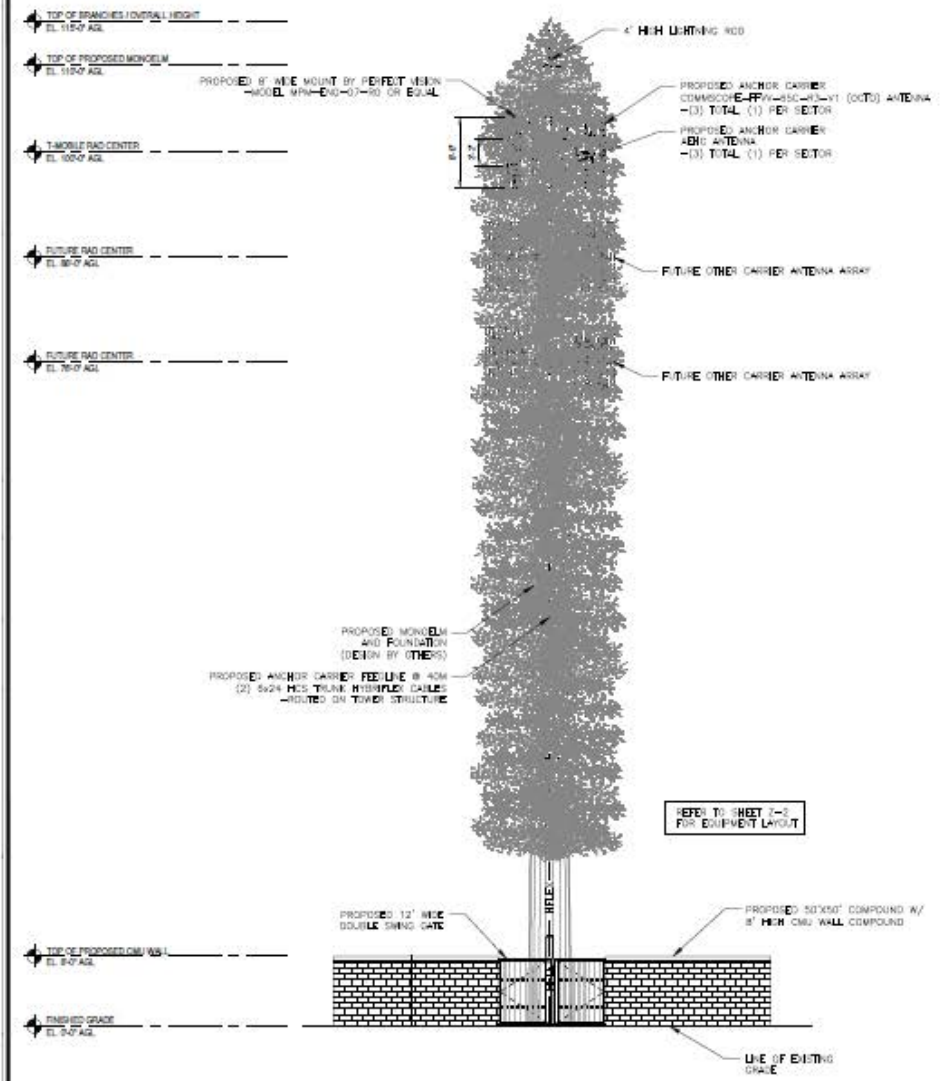
Enlarged Site Plan

10’x15’ Concrete Pad for associated ground equipment

4’x9’ Concrete Pad for Emergency Backup Generator

Emergency backup generator will cycle once per week, for a total of 15 minutes

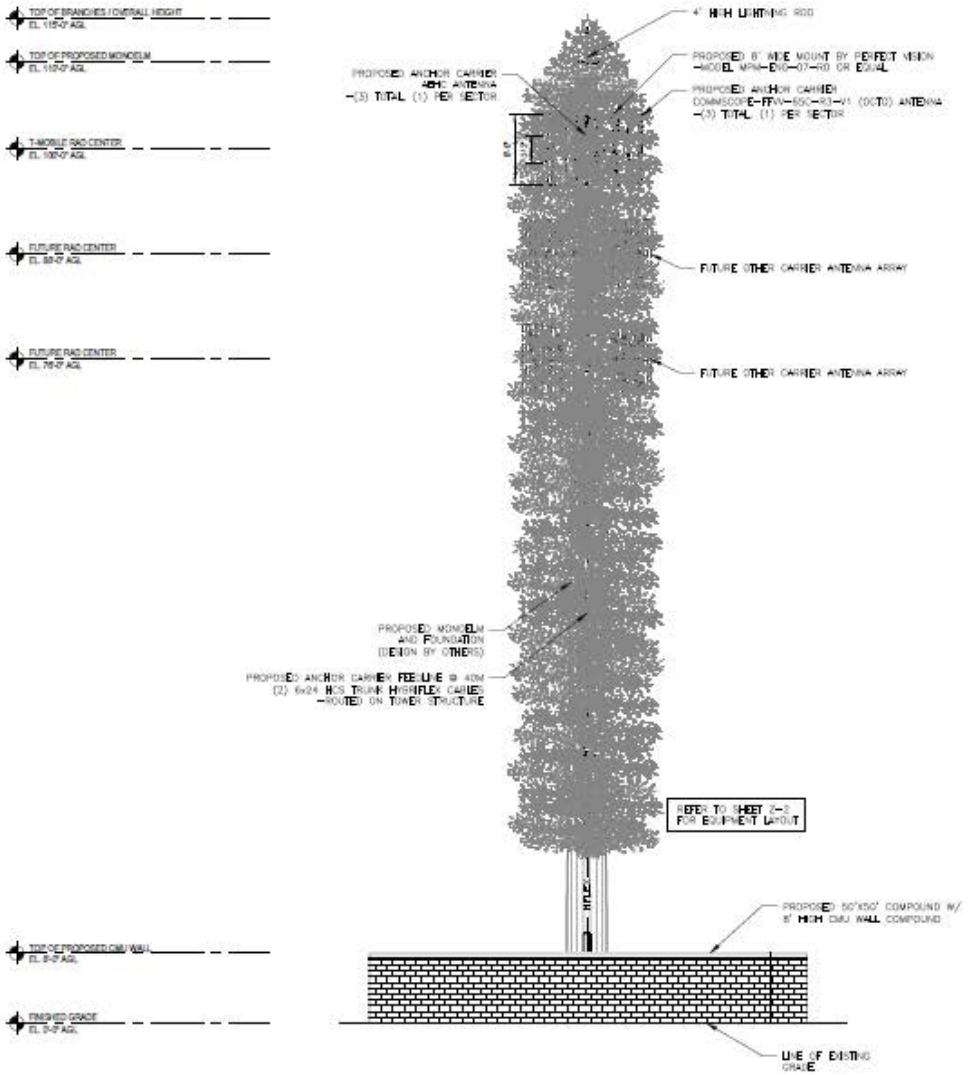




NORTH ELEVATION

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

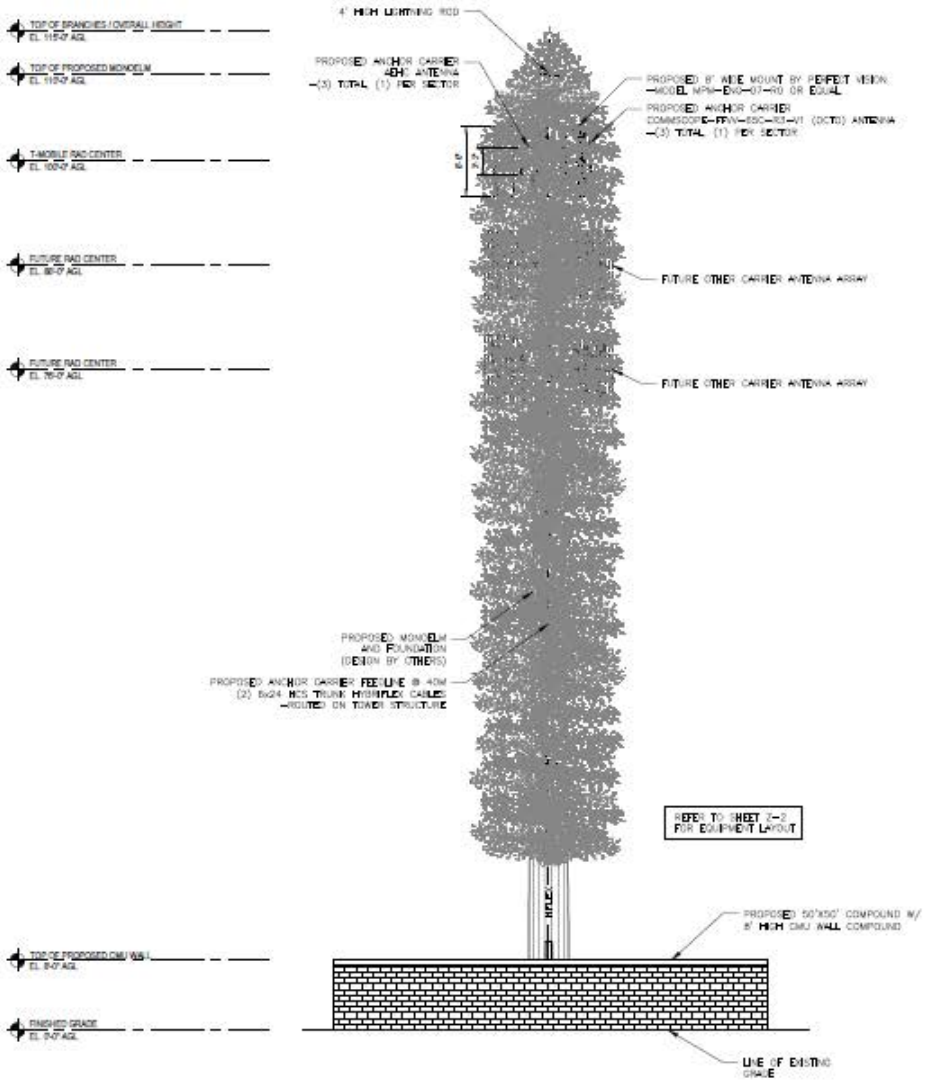
1



EAST ELEVATION

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

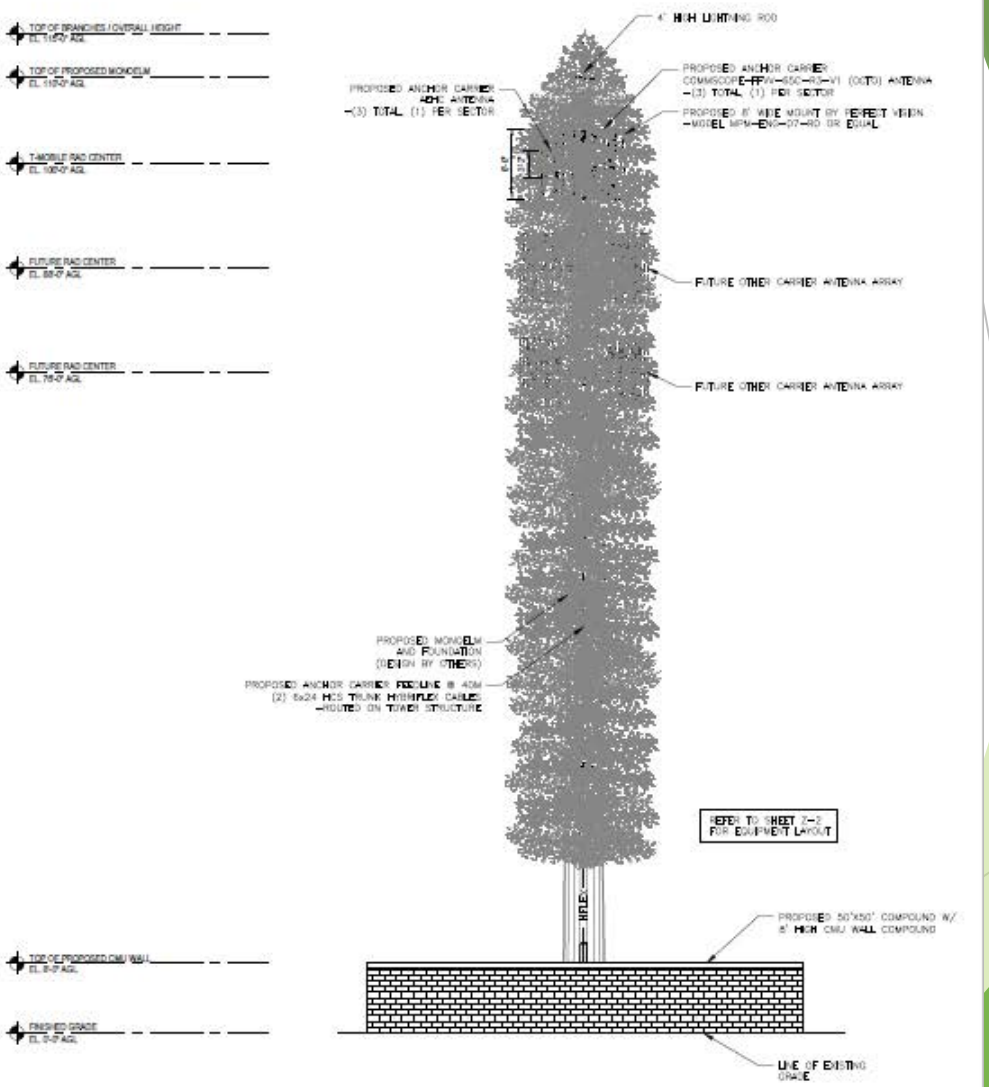
2



SOUTH ELEVATION

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

1



WEST ELEVATION

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

2

Mono-elm Photo Examples:

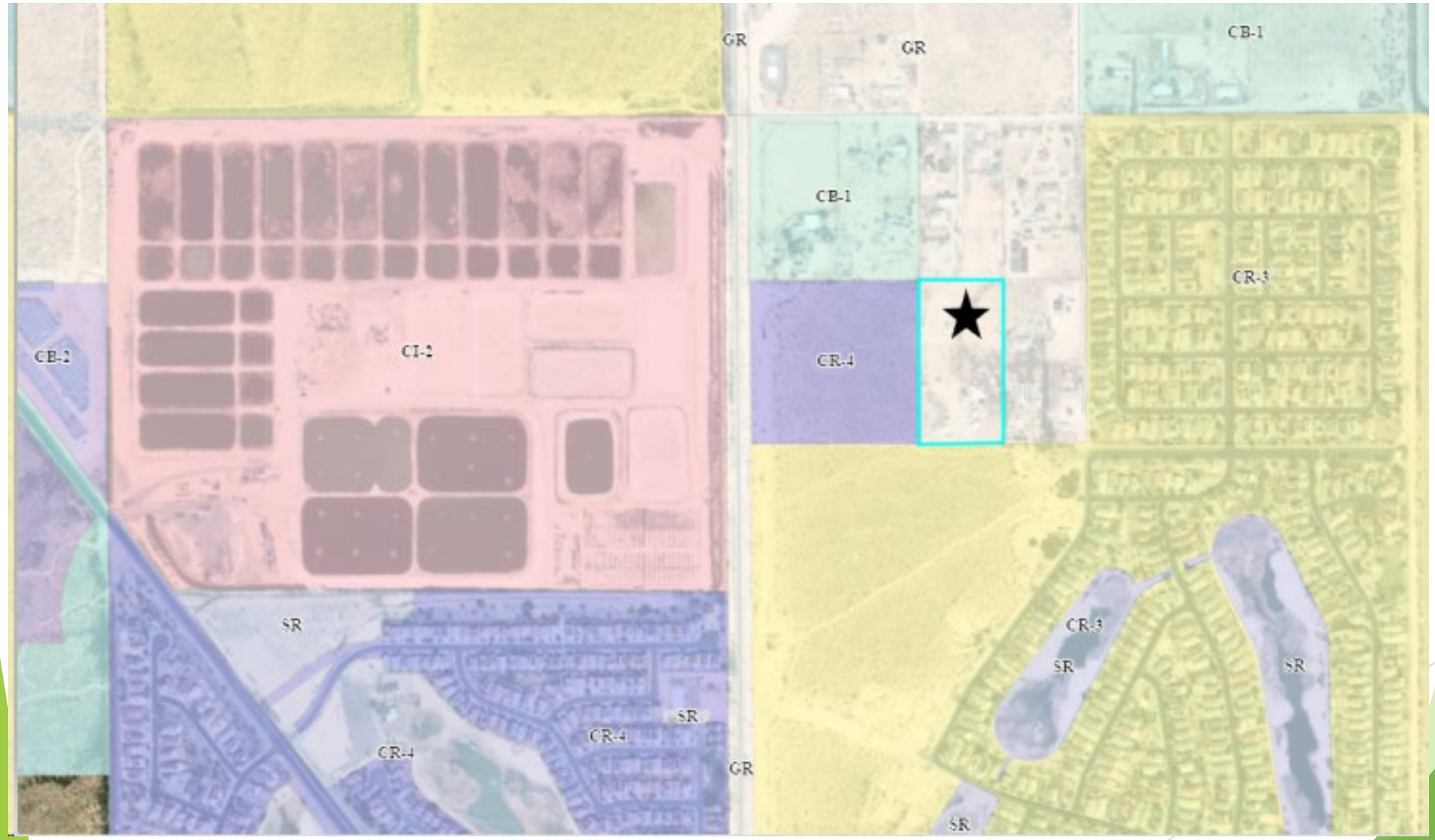




Co-location and Stealth

- Per Pinal County's Code of Ordinances: CHAPTER 2.205. - WIRELESS COMMUNICATIONS FACILITIES, section 2.205.010.
  - To regulate the placement of wireless communications facilities; to establish zoning standards that will protect the integrity, character and identity of neighborhoods; to encourage co-location, stealth design and camouflaged facilities; to maximize the use of existing communication towers; and to minimize the adverse visual effects of towers through careful design, siting and screening.
- As such, Vertical Bridge has designed the proposed WCF as a Monoelm with an overall height of 110' to allow for additional wireless carriers to co-locate in the future, thereby reducing the need for future towers in the area
- This tower will be able to accommodate the initial Anchor tenant and two additional carriers at the RADs listed below:
  - Anchor Tenant: 100' RAD
  - Future Tenant: 88' RAD
  - Future Tenant: 76' RAD

Zoning Map of proposed site:



Aerial view of proposed site:



WIRELESS NETWORK CONSULTING



AZ-5186 / T-Mobile PH68005B

Coverage Cell Split

RF DESIGN ANALYSIS

2024

Coverage vs Capacity

- **Capacity is providing bandwidth or processing capacity to service the customers in the area.**
  - Areas where large numbers of users are in a specific geographic areas
  - Areas where users are demanding higher data rates for services
  - Areas with a large amount of indoor users
- **Coverage is Providing Service where service does not exist, calls drop, or "no service".**
  - Areas where sites are farther apart
  - Areas where terrain or buildings block signals
  - Areas where indoor service is low or nonexistent

Objective of new site

- **Coverage**
  - Provide coverage to homes and businesses surrounding proposed
  - Provide coverage along Hunt Highway and feeder roads in the area
- **Why is this site important?**
  - 96% of Americans own a Cellular Phone
  - 57% of American Homes rely exclusively on cellular phones
  - 84% or more of 9-1-1 emergency calls are made from wireless devices

Proposed Site

- 105’ Mono-elm Tower
  - With 4’ lightning rod
  - 6947 E Sunnyslope Road, Florence, AZ 85132
    - Latitude: 33.101758 N (NAD83)
    - Longitude: -111.496464 W (NAD83)
    - Ground Elevation: 1518.01' (NAVD88)
    - Anchor tenant is T-Mobile
  - Antenna Centerline at 100’ AGL

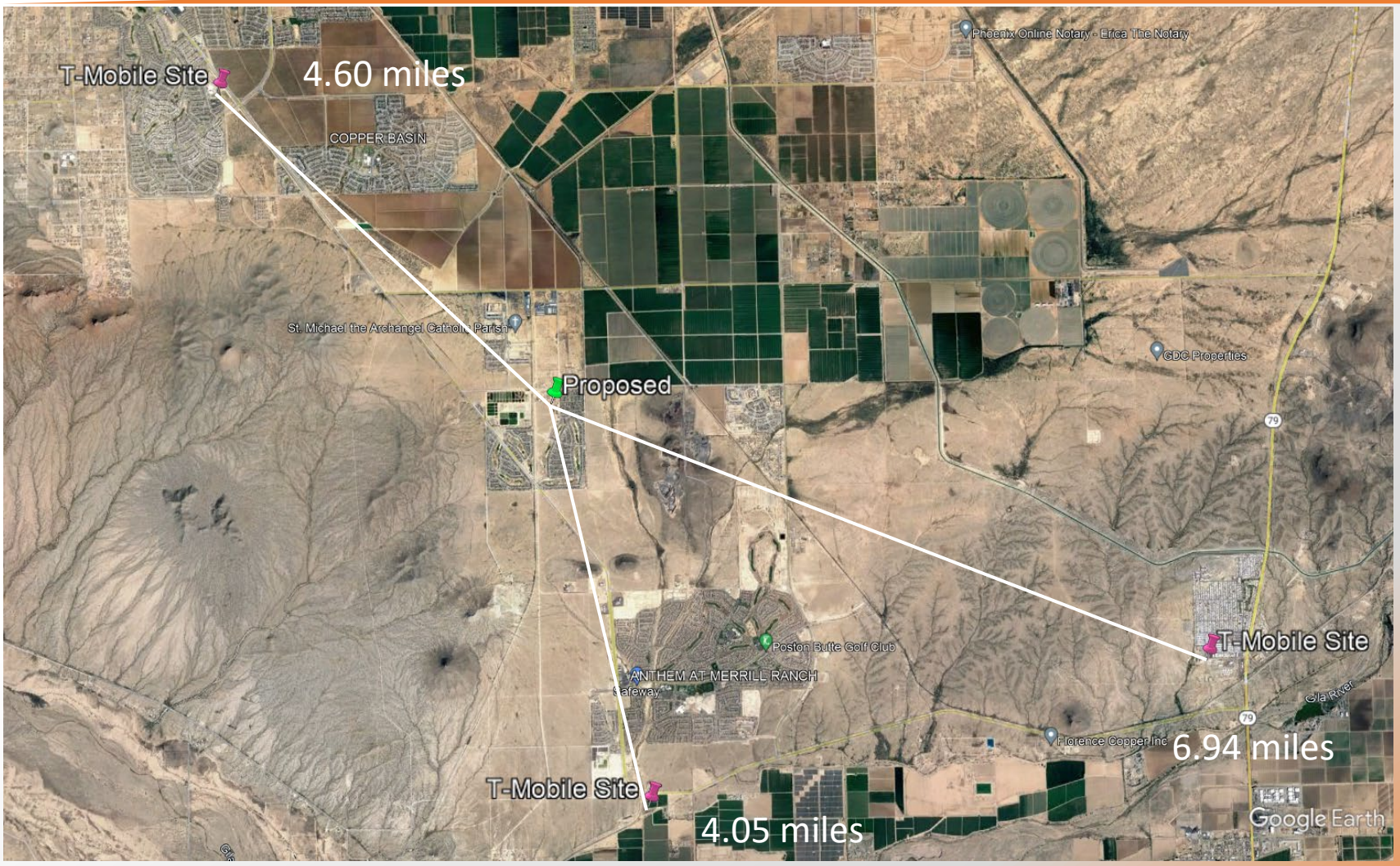
Why here?

- Lack of coverage along Hunt Highway
- Lack of indoor services in the surrounding suburban/rural area
- Significant amount of increased network use in the suburban and rural areas of Arizona

Zoom – proposed site

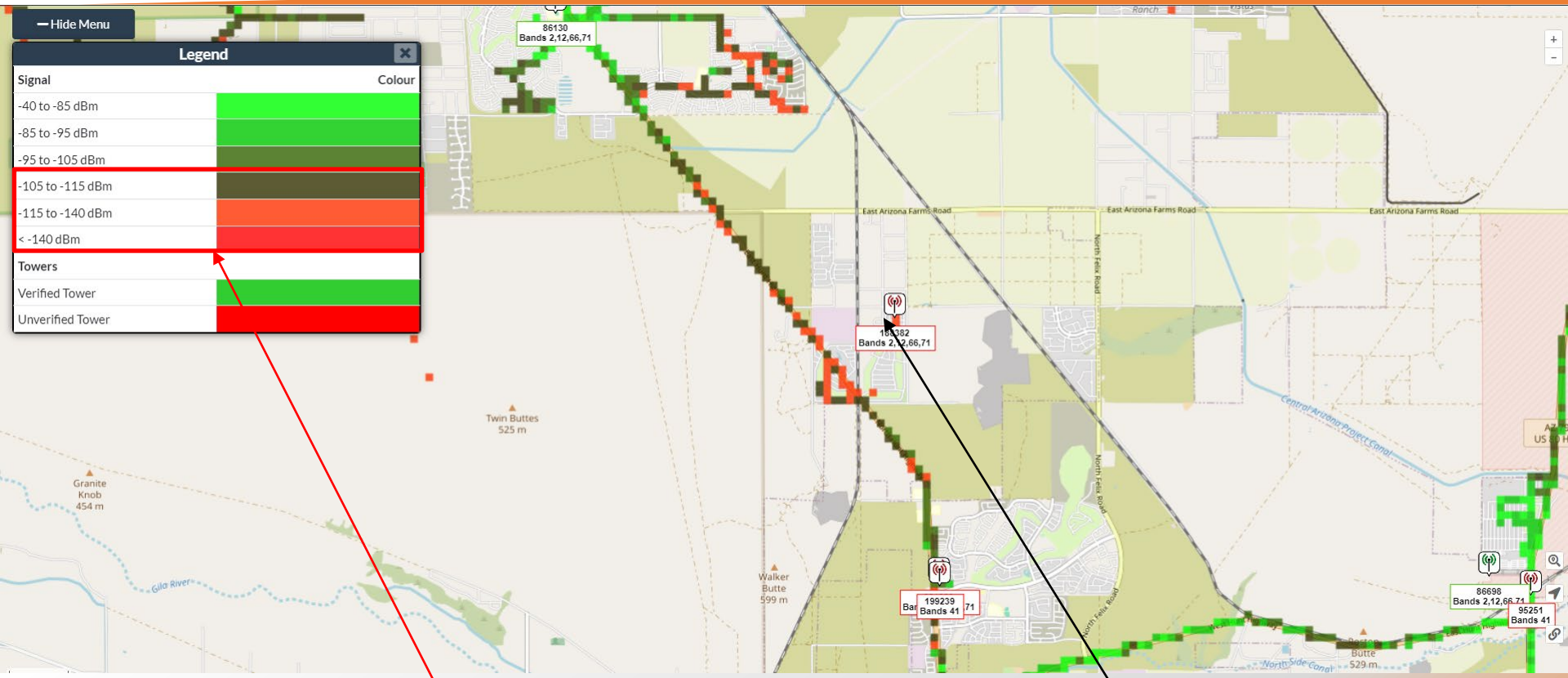


T-Mobile Sites



2024

T-Mobile CellMapper

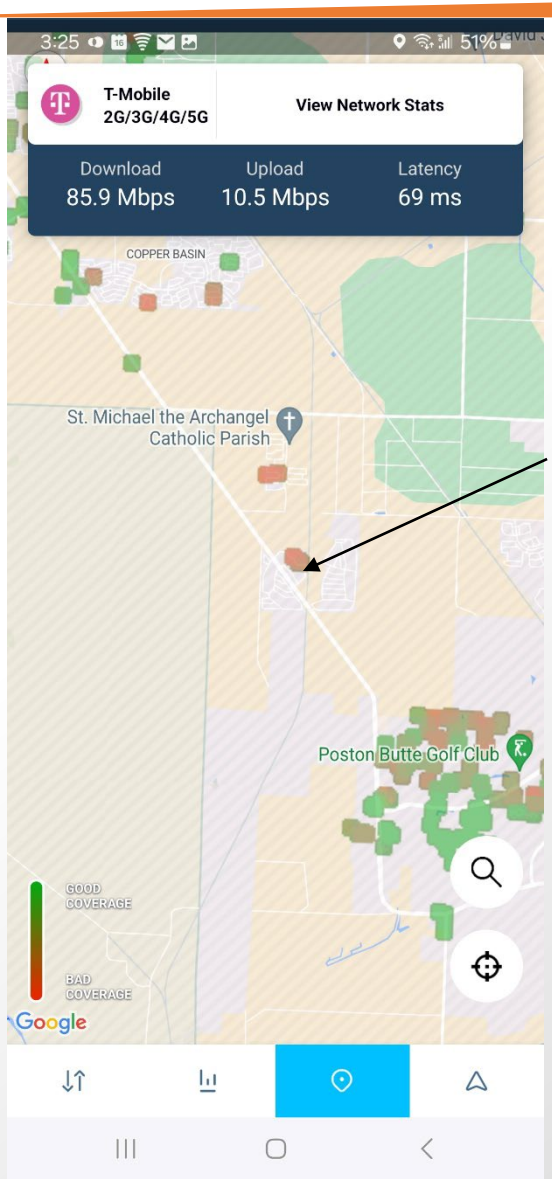


Poor Service Quality

Proposed Site

2024

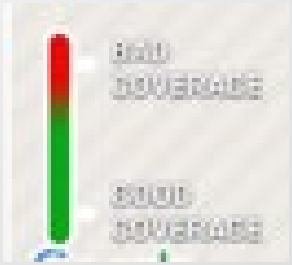
Open Signal
T-Mobile Quality Map



This map show mobiles reporting quality of their connections to the network. This is crowdsource data from T-Mobile users made available by the OpenSignal App: https://www.opensignal.com/apps#section-os-app

Green data points show good coverage and red data points show bad coverage and lack of data points show no coverage

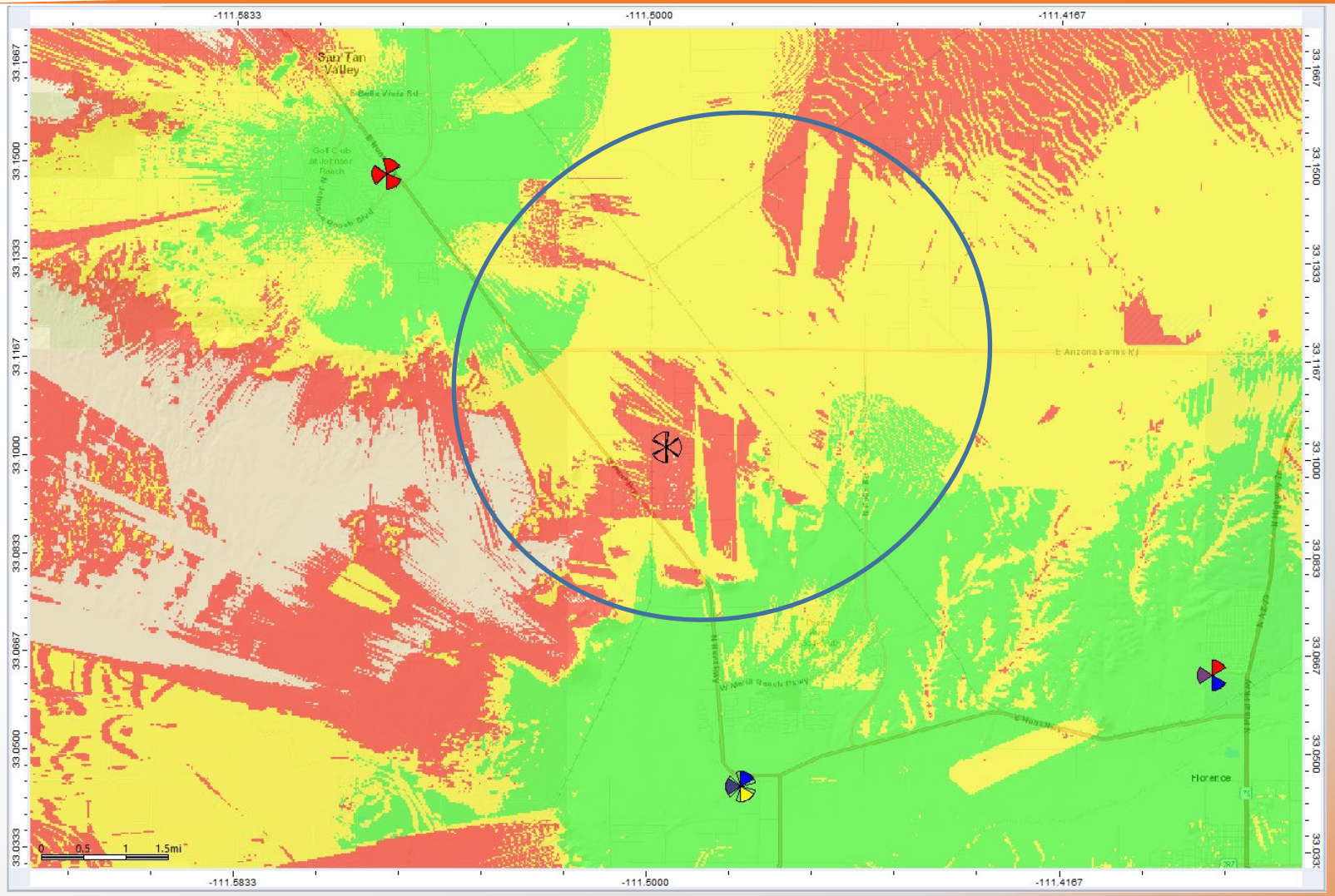
Notice the amount of bad coverage points for T-Mobile users in the area around the proposed



2024

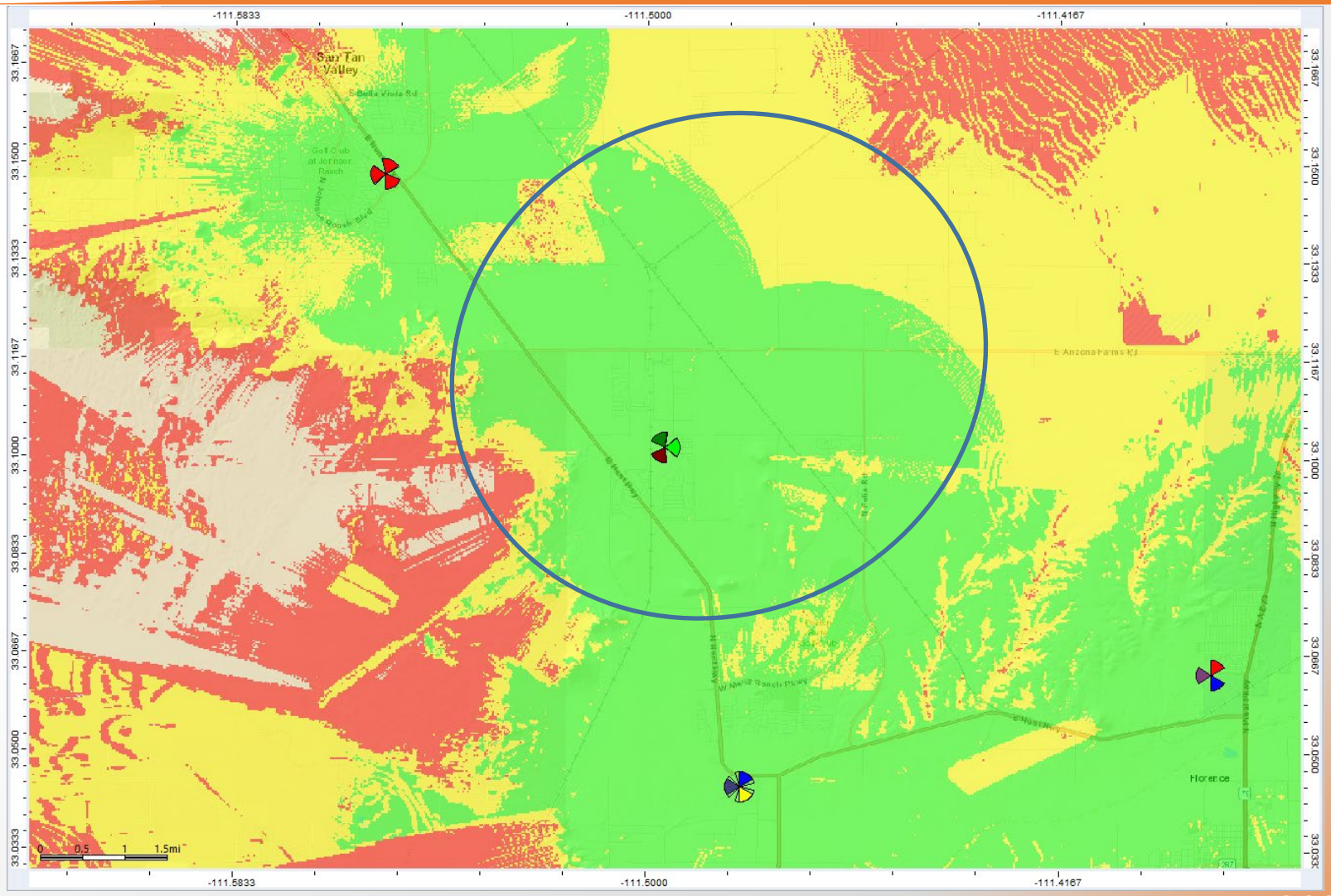
RSRP - Current Coverage low band

LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



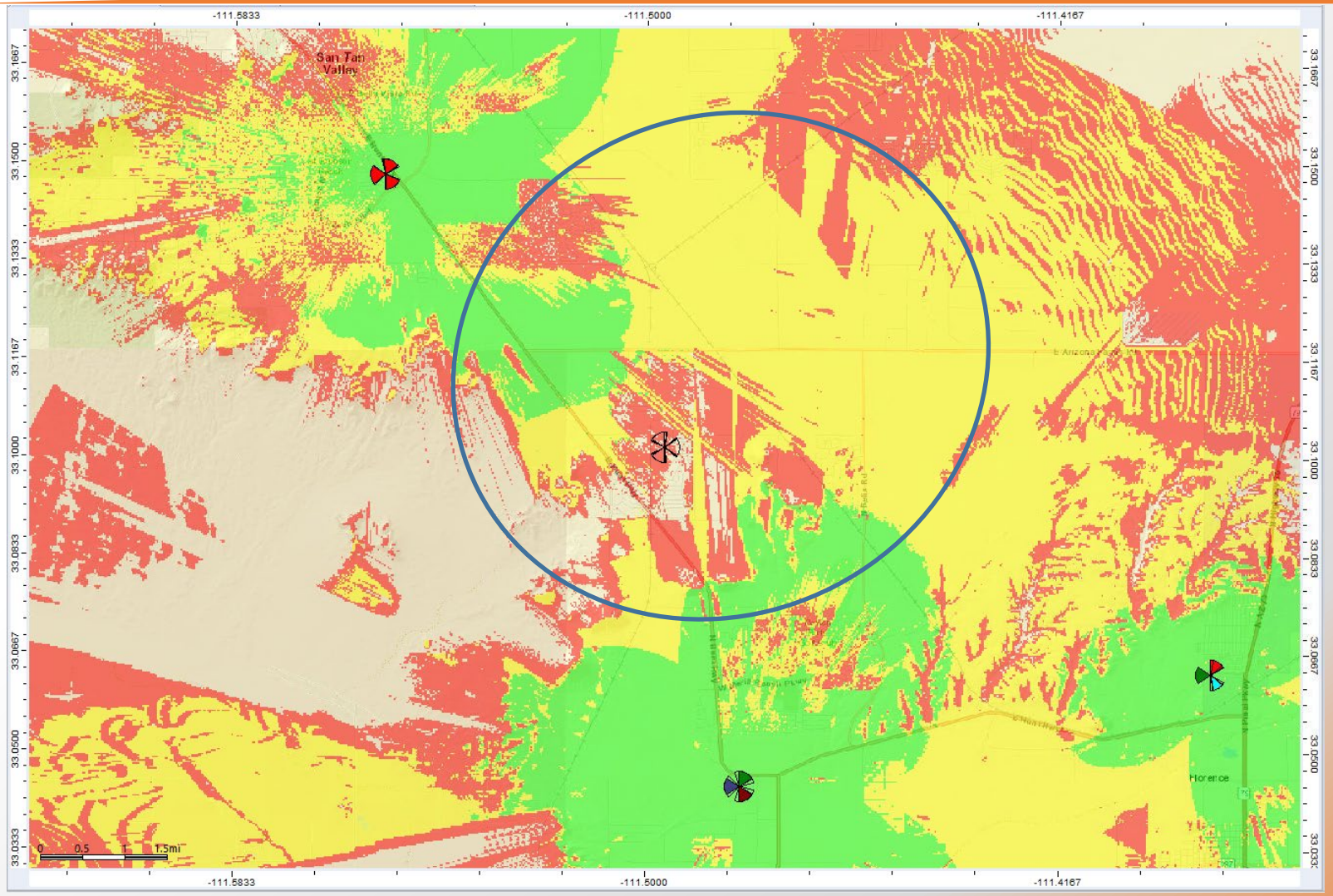
RSRP – Proposed Coverage low band

LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



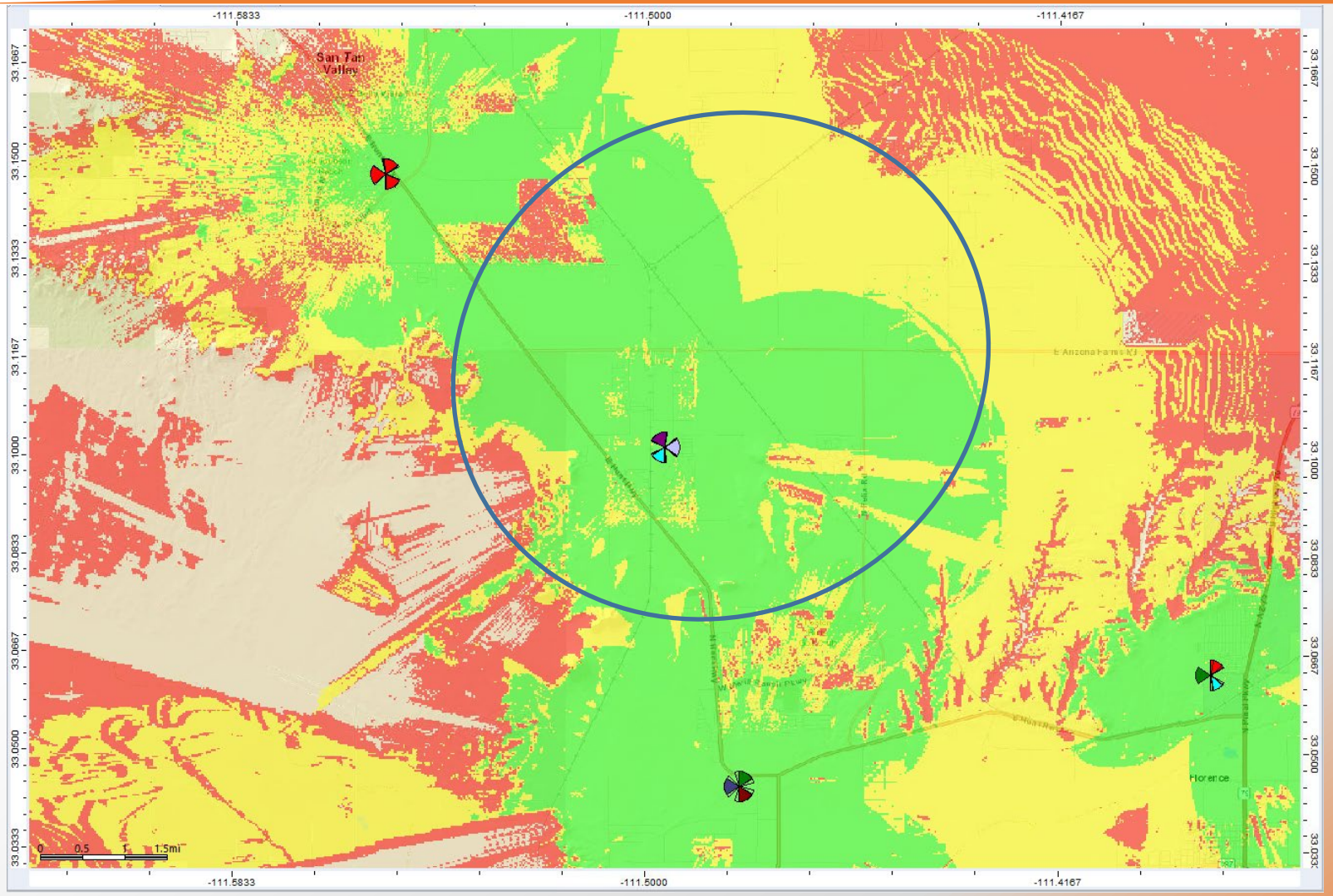
RSRP - Current Coverage mid band

LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



RSRP – Proposed Coverage mid band

LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



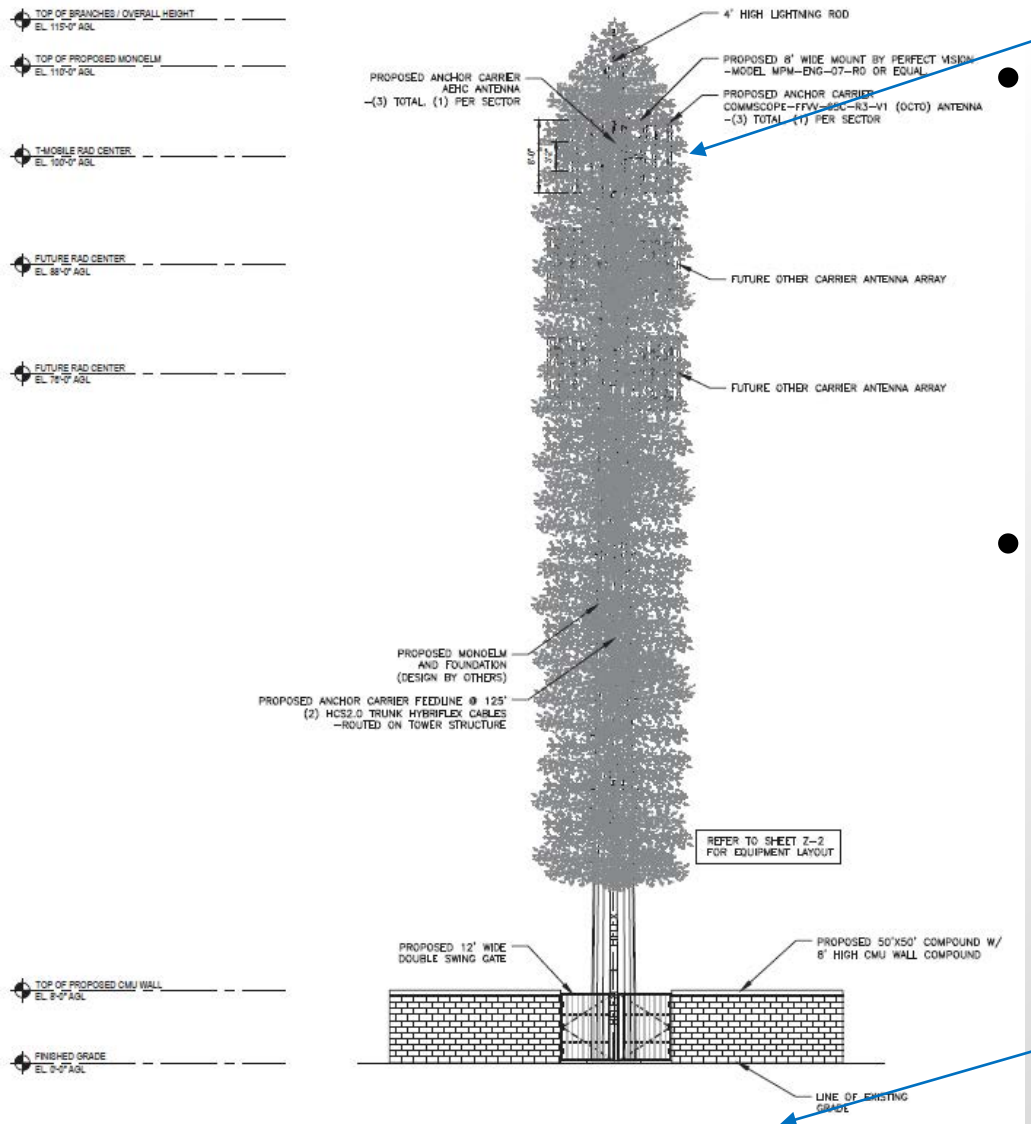
Ionizing vs Non-Ionizing

- There are two (2) types of Energy/Radio Waves
  - **Ionizing**
    - These are waves that can effect human DNA
    - Examples are:
      - Gamma rays
      - X-Rays
    - This is one of the reasons the nurse steps out of the room and you wear a lead overcoat when you get X-Rays at the dentist.
  - **Non- Ionizing**
    - These are waves do not effect human DNA
    - Examples are:
      - Car Radios
      - Television
      - Wi-Fi Access points and routers
      - Bluetooth headsets
      - Cellphones and Smartphones
      - Lightbulbs
      - Wireless Baby Monitors
      - TV remotes
  - Absorption of waves is proximity based, the closer you are to the antenna the more non-ionizing energy is absorbed. You will absorb 50% of the FCC's General Public limit with your smartphone next to your ear versus less than 10% of the FCC's General Public limit from the antennas when you are standing 20' away from the proposed tower.
  - The further you walk away from the tower it decreases even more.

General Public & Occupational limits

- The FCC isolated two (2) groups relative to access around wireless antennas
- The first group is called Occupational
  - This refers to areas where workers would be allowed (general public cannot access) but the workers would not have knowledge about antennas (An example would be an Air Conditioner Repair Technician). Barriers or signage may be needed to alert the worker when close to the antennas.
    - Examples are:
      - Rooftop access behind a locked door
      - Compound access behind a locked gate
  - The FCC determined the safe value and then lowered by a factor of 10 and that is the value the wireless carriers use in the studies
  - The exposure levels are averaged over 6 minutes
- The second group is called General Public
  - Uncontrolled access (General Public)
    - This group is for areas with general public access, the public would not have a knowledge of an antenna being close to them
    - Examples are:
      - Sidewalks
      - Parks
      - Public accessed buildings
  - The FCC determined the safe value and then lowered by a factor of 50 and that is the value the wireless carriers use in the studies
  - The exposure levels are averaged over 30 minutes
- Compare the value for a tower which is 10mW to the power of a smartphone which is 200mW of power.

Power Levels below a tower

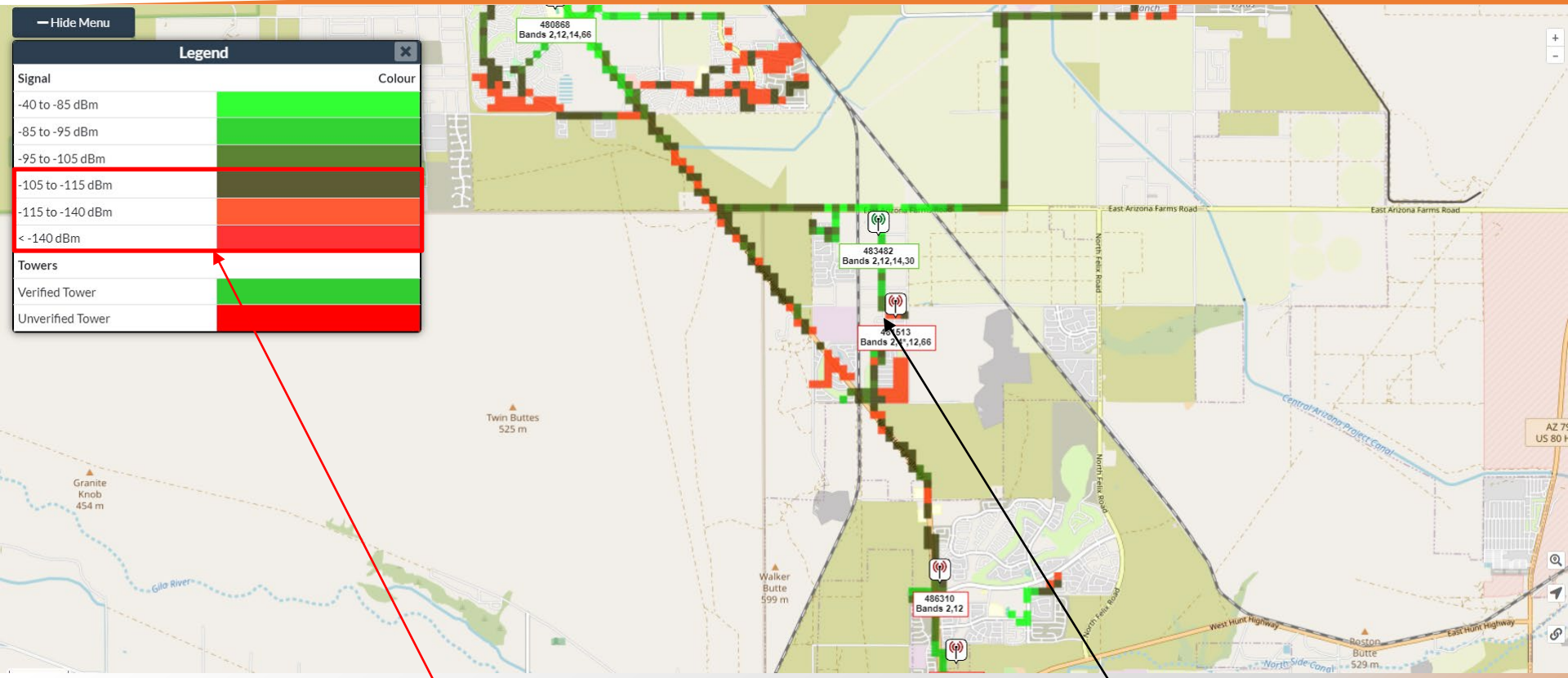


Main beam of the antenna

- Power levels on the ground around the tower are much less than what is at the antennas
- Power on the ground adjacent to the tower is 1/1000 of the power compared to what is at the antenna

1/1000 of the power on the ground around the site

AT&T CellMapper

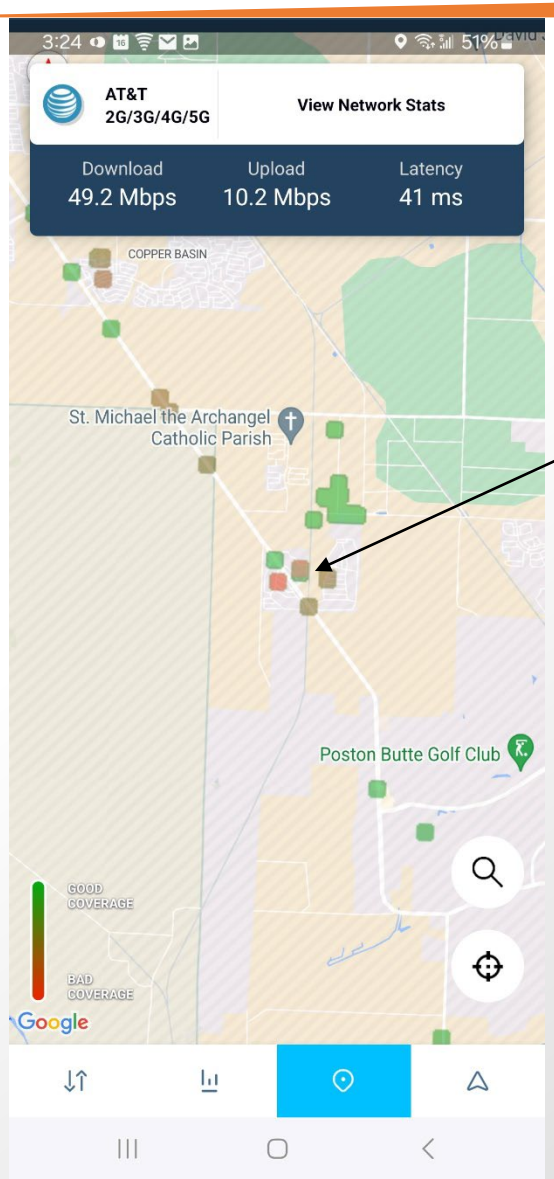


Poor Service Quality

Proposed Site

2024

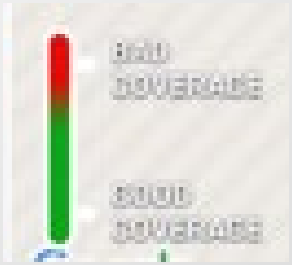
Open Signal
AT&T Quality Map



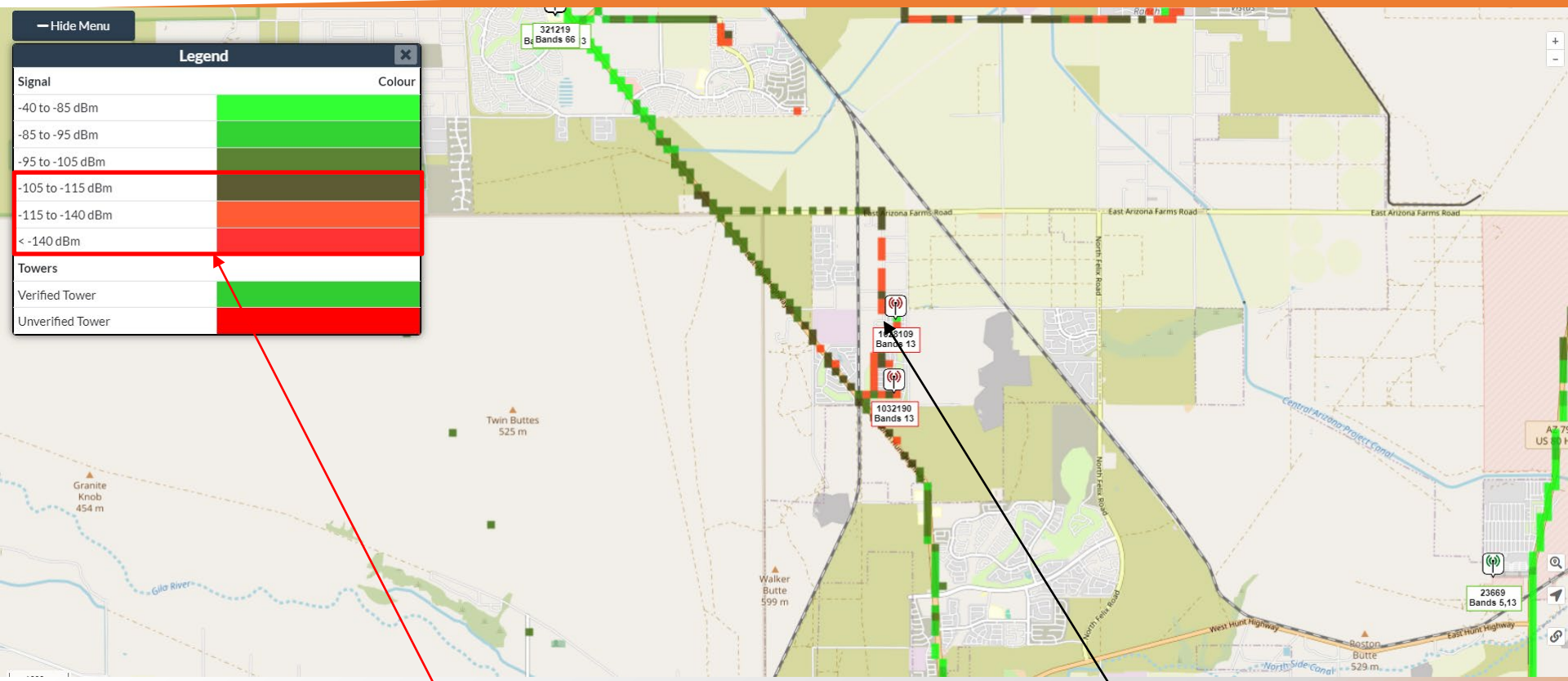
This map show mobiles reporting quality of their connections to the network. This is crowdsource data from AT&T users made available by the OpenSignal App: https://www.opensignal.com/apps#section-os-app

Green data points show good coverage and red data points show bad coverage and lack of data points show no coverage

Notice the amount of bad coverage points for AT&T users in the area around the proposed



Verizon CellMapper

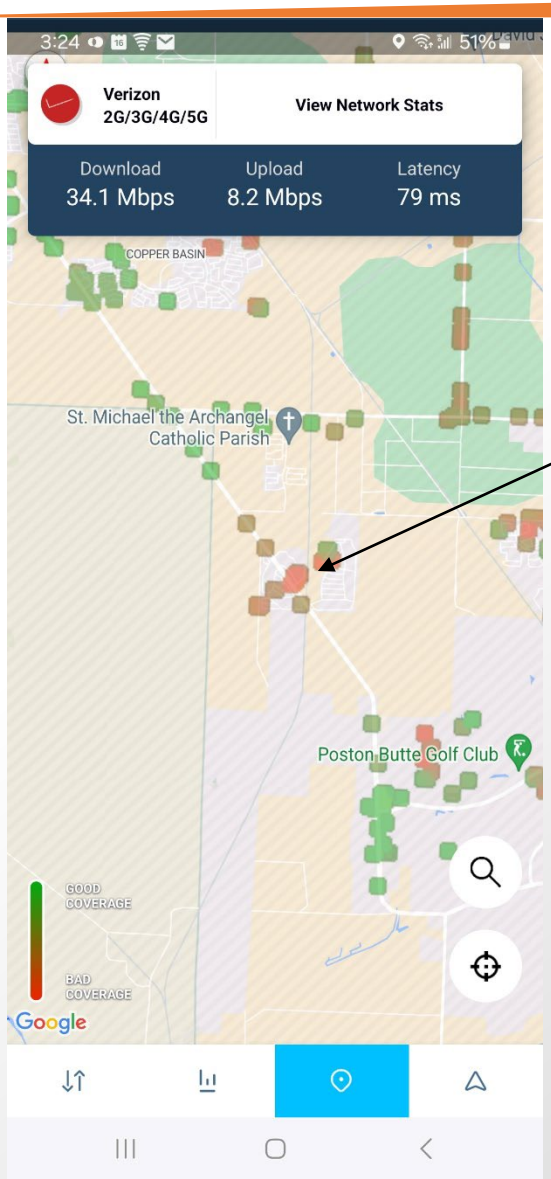


Poor Service Quality

Proposed Site

2024

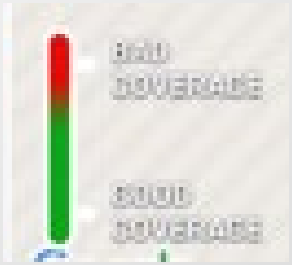
Open Signal
Verizon Quality Map



This map show mobiles reporting quality of their connections to the network. This is crowdsource data from Verizon users made available by the OpenSignal App: https://www.opensignal.com/apps#section-os-app

Green data points show good coverage and red data points show bad coverage and lack of data points show no coverage

Notice the amount of bad coverage points for Verizon users in the area around the proposed



2024

Questions?

TENANT SITE NUMBER : PH68005
VERTICAL BRIDGE : (APOLLO HUNT) US-AZ-5186
6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132
PINAL COUNTY
CONSTRUCTION DRAWINGS

FLOOR ZONE INFORMATION

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE PROPOSED TELECOMMUNICAIONS SITE IS LOCATED IN ZONE "X", WHICH IS AN AREA OF MINIMAL FLOOD HAZARD AS PER, COMMUNITY PANEL NO. 06067C0302H, DATED 08/16/2012.

SITE INFORMATION

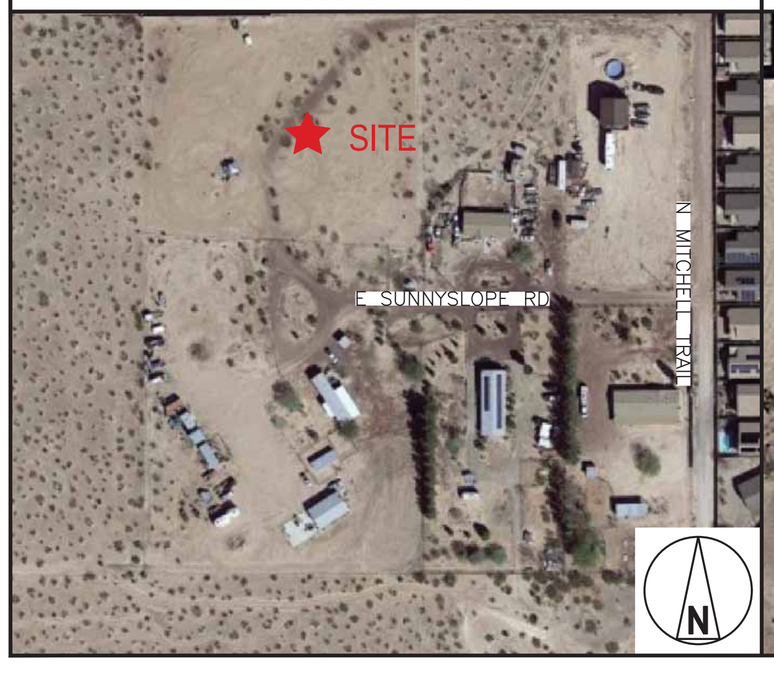
TOWER OWNER:	THE TOWERS, LLC 750 PARK OF COMMERCE DRIVE BOCA RATON, FL 33487
SITE ADDRESS:	6497 E SUNNYSLOPE RD FLORENCE, AZ 85132
COUNTY:	PINAL COUNTY
LATITUDE (NAD 83):	33° 06' 06.33" (33.101758)
LONGITUDE (NAD 83):	-111° 29' 47.27" (-111.496464)
GROUND ELEVATION:	1518.01'
OCCUPANCY TYPE:	RESIDENTIAL
ZONING JURISDICTION:	GR
CITY:	FLORENCE
TAX/PIN #:	200-24-041A
POWER PROVIDER:	APS
TELCO PROVIDER:	CENTURY LINK

SCOPE OF WORK

TOWER SCOPE OF WORK:
- ADD (2) 6x24 HCS TRUNK HYBRIFLEX CABLES @ 40M
- ADD (6) PROPOSED RADIOS, (2) PER SECTOR
- ADD (6) PROPOSED ANTENNAS, (2) PER SECTOR
- ADD (1) PROPOSED MONOELM TOWER
- ADD (9) PROPOSED JUMPER CABLES @ 15'
- ADD (1) PROPOSED 3 SECTOR FRAME T-ARM
- ADD (3) PROPOSED ANTENNA MOUNT STIFFENERS

GROUND SCOPE OF WORK:
- ADD (1) EXCESS FIBER BOX
- ADD (1) PROPOSED HPL3.1 CABINET
- ADD (1) PROPOSED BATTERY CABINET
- ADD (2) PROPOSED H-FRAME
- ADD (1) PROPOSED METER WITH PULL-OUT BREAKER
- ADD (1) PROPOSED CIENA UNIT
- ADD (1) PROPOSED 225 AMP PPC
- ADD (4) PROPOSED LED LIGHT WITH 2 HOUR TIMER
- ADD (1) PROPOSED TELCO CABINET WITH DC FAN
- ADD (1) PROPOSED ICE BRIDGE
- ADD (1) PROPOSED GPS ANTENNA
- ADD (1) PROPOSED GENERATOR CONCRETE PAD
- ADD (1) PROPOSED CMU WALL
- ADD (1) PROPOSED ACCESS GATE
- ADD FIBER & POWER CONDUITS

VICINITY MAP



ENLARGED VICINITY MAP



OCCUPANCY CONSTRUCTION TYPE

THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE CURRENT INTERNATIONAL BUILDING CODE.

DRAWING INDEX

SHEET NO.	DESCRIPTION	REV
T-1	TITLE SHEET & PROJECT DATE	0
LS-1	SITE SURVEY	0
C-1	OVERALL SITE PLAN	0
C-2	COMPOUND SITE PLAN	0
C-3	TOWER ELEVATION	0
C-4	TOWER ELEVATION	0
C-5	ANTENNA PLAN	0
C-6	DETAILS	0
C-7	MOUNT DETAILS	0
C-8	EQUIPMENT DETAILS	0
C-9	EQUIPMENT DETAILS	0
C-10	SIGNAGE DETAILS	0
E-1	ELECTRICAL PLAN	0
E-2	ONE-LINE DIAGRAM & PANEL SCHEDULE	0
E-3	ELECTRICAL SERVICE DETAILS	0
E-4	GROUNDING PLAN	0
E-5	GROUNDING PLAN	0
E-6	GROUNDING NOTES	0
E-7	GROUNDING DETAILS	0
GN-1	GENERAL NOTES	0
GN-2	GENERAL NOTES	0

CONTACT INFORMATION

PROPERTY OWNER:	KEITH LARSEN & JONETTE SPENCER 6497 E SUNNYSLOPE RD FLORENCE, AZ 85132 CONTACT: KEITH LARSEN & JONETTE SPENCER PHONE: (928) 216-1604
APPLICANT:	THE TOWERS, LLC 750 PARK OF COMMERCE DRIVE BOCA RATON, FL 33487 CONTACT:MORRIS MICKELSON PHONE: (480) 964-8822
A&E:	STATE 48 DEVELOPMENT CONSULTING 14301 N. 87TH ST. #105 SCOTTSDALE, AZ 85260 CONTACT: DARIO MENDOZA PHONE: (480) 242-2477

DRIVING DIRECTIONS

FROM TEMPE TMO OFFICE (1330 W. SOUTHERN AVE.)
HEAD NORTH TOWARD S PRIEST DR. TURN RIGHT TOWARD S PRIEST DR. TURN RIGHT AT THE 1ST CROSS STREET ONTO S PRIEST DR. TURN RIGHT ONTO W ELLIOT RD. TURN LEFT TO MERGE ONTO I-10 E TOWARD TUCSON. TAKE EXIT 167 FOR RIGGS RD. TURN LEFT ONTO E RIGGS RD. KEEP RIGHT TO STAY ON E RIGGS RD. TURN RIGHT ONTO S HIGLEY RD. CONTINUE ONTO HUNT HWY. CONTINUE ONTO E EMPIRE BLVD. TURN RIGHT ONTO N ELLSWORTH RD. CONTINUE ONTO W HUNT HWY. TURN LEFT ONTO E ARIZONA FARMS RD. TURN RIGHT ONTO N MITCHELL TRAIL. TURN RIGHT ONTO E SUNNYSLOPE DR. ARRIVE AT PROPOSED SITE

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME

APPLICABLE CODES

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

CODE TYPE	CODE
BUILDING	2018 IBC
MECHANICAL	2018 IMC
ELECTRICAL	2017 NEC

"PROPOSED WORK IS COMPLIANT WITH 6409(a) ELIGIBLE FACILITIES REQUEST CRITERIA"

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting
WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT CERTIFICATE NO. 40833 NAVIN PATHANGAY DATE SIGNED Arizona U.S.A.

EXPIRES 6/30/2025

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
1	05/20/2024	CITY COMMENTS
2	06/17/2024	RAD CENTER UPDATE
3	07/23/2024	CLIENT COMMENTS
4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

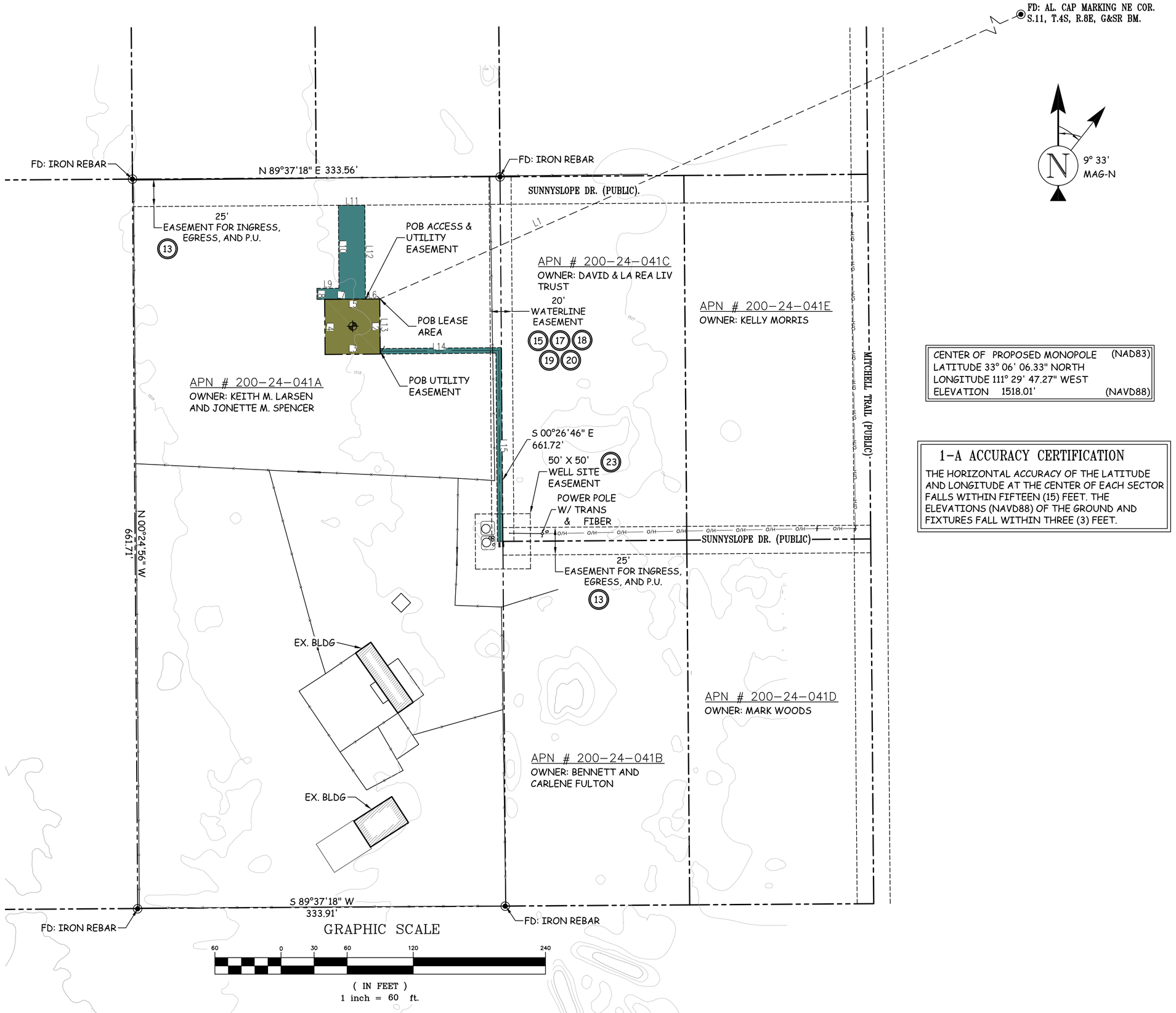
SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
TITLE SHEET & PROJECT DATE

SHEET NUMBER
T-1

SUP CASE #: SUP-008-24



N 9° 33' MAG-N

CENTER OF PROPOSED MONOPOLE	(NAD83)
LATITUDE 33° 06' 06.33" NORTH	
LONGITUDE 111° 29' 47.27" WEST	
ELEVATION 1518.01'	(NAVD88)

1-A ACCURACY CERTIFICATION

THE HORIZONTAL ACCURACY OF THE LATITUDE AND LONGITUDE AT THE CENTER OF EACH SECTOR FALLS WITHIN FIFTEEN (15) FEET. THE ELEVATIONS (NAVD88) OF THE GROUND AND FIXTURES FALL WITHIN THREE (3) FEET.

LINE	BEARING	DISTANCE
L1	S 66°04'47" W	1936.51'
L2	S 00°26'46" E	50.00'
L3	S 89°33'14" W	50.00'
L4	N 00°26'46" W	50.00'
L5	N 89°33'14" E	50.00'
L6	S 89°33'14" W	13.00'
L7	S 89°33'14" W	44.00'
L8	N 00°22'42" W	10.00'
L9	N 89°33'14" E	20.00'
L10	N 00°22'42" W	75.20'
L11	N 89°37'18" E	24.00'
L12	S 00°22'42" E	85.20'
L13	S 00°26'46" E	47.50'
L14	N 89°33'14" E	107.50'
L15	S 00°26'46" E	173.31'

LEGEND

POB	POINT OF BEGINNING	00000.0	SPOT ELEVATION
POT	POINT OF TERMINUS		POSITION OF GEODETIC COORDINATES
PUE	PUBLIC UTILITY EASEMENT	WV	WATER CONTROL VALVE
ROW	RIGHT OF WAY		FIRE HYDRANT
DW	DRIVEWAY		POWER POLE
SW	SIDEWALK	EMH	ELECTRIC MANHOLE
BCHH	BRASS CAP IN HANDHOLE	T	TELCO MANHOLE
BCFL	BRASS CAP FLUSH		FOUND AS NOTED

OHE OHE OHE — OVERHEAD ELECTRIC — PROPERTY LINE — BARBED WIRE FENCE

FEMA FLOOD INFORMATION

MAP NUMBER	COMMUNITY NUMBER	PANEL #	SUFFIX	PANEL DATE	FIRM ZONE
04021C0875E	040077	0875	E	11/24/2007	X

REGISTERED LAND SURVEYOR CERTIFICATE NO. 28719 JEFF R. COOK Date Signed ARIZONA, USA

EXPIRES: 3/31/2025

I hereby certify to: Vertical Bridge REIT, LLC, a Delaware limited liability company, its subsidiaries, and their respective successors and/or assigns; and (ii) Toronto Dominion (Texas) LLC, as Administrative Agent, for itself and on behalf of the lenders parties from time to time to that certain Second Amended and Restated Loan Agreement dated June 17, 2016 with Vertical Bridge Holdco, LLC, as borrower, and Vertical Bridge Holdco Parent, LLC, as parent, as may be amended, restated, modified or renewed, their successors and assigns as their interests may appear; and Tower Agency, LLC.

SIGNED _____ 5/21/24

JEFF R. COOK / AZ Reg. No. 28719 Date

My License renewal date is March 31, 2025

SCHEDULE B EXCEPTIONS:

TITLE REPORT ORDER #VTB-160200-C, ISSUED BY TOWER AGENCY, LLC DATED 9/14/23.

EXCEPTIONS 1 - 9 ARE GENERAL AND THEREFORE NOT PLOTTED

10. OIL AND MINERAL RIGHTS RESERVED IN THE WARRENTY DEED DATED FEBRUARY 11, 1994 AND RECORDED MARCH 1, 1994 IN (BOOK) 1987 (PAGE) 292 (INSTRUMENT) 109315 IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

11. DEDICATION OF EASEMENT BETWEEN NEW RIVER SOD, LTD., AN ALBERTA CORPORATION; AND THE PUBLIC, DATED JUNE 19, 1996 AND RECORDED JUNE 19, 1996 IN (INSTRUMENT) 1996-021295, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

12. ANY AND ALL MATTERS DISCLOSED ON THE MAP ENTITLED "RESULTS OF SURVEY MAP SHOWING A MINOR LAND DIVISION" DATED SEPTEMBER 28, 2000 AND RECORDED SEPTEMBER 29, 2000 IN (BOOK) 4 (PAGE) 69, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

13. EASEMENT DEED BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND THE PUBLIC, DATED SEPTEMBER 11, 2000 AND RECORDED OCTOBER 18, 2000 IN (INSTRUMENT) 2000-043249 IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

14. AFFIDAVIT OF AFFIXTURE BETWEEN PRESTIGE HOMES AND JERRY W. FELDMILLER, DATED JANUARY 17, 2000 AND RECORDED JUNE 6, 2001 IN (INSTRUMENT) 2001-025343, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

15. WATER WELL AGREEMENT BETWEEN JERRY AND MARGARITA FELDMILLER, HUSBAND AND WIFE; AND DAVID AND LARAE STREBE, DATED JUNE 10, 2002 AND RECORDED JUNE 17, 2002, IN (INSTRUMENT) 2002-032220, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

16. WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND MIGUEL SERRANO AND VERONICA SERRANO, HUSBAND AND WIFE, DATED DECEMBER 1, 1997 AND RECORDED SEPTEMBER 18, 2008 IN (INSTRUMENT) 2008-088799, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

17. DECLARATION OF EASEMENTS AND WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND ARIZONA DEPARTMENT OF WATER RESOURCES, DATED SEPTEMBER 23, 2008 AND RECORDED SEPTEMBER 26, 2008 IN (INSTRUMENT) 2008-092160, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

18. DECLARATION OF EASEMENTS AND WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND SHERRI L. PENNING, DATED SEPTEMBER 23, 2008 AND RECORDED SEPTEMBER 26, 2008 IN (INSTRUMENT) 2008-092161, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

19. DECLARATION OF EASEMENT AND WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND STEVEN F. STEINERT AND ERICA RUTHER STEINERT, DATED JANUARY 19, 2010 AND RECORDED JANUARY 25, 2010 IN (INSTRUMENT) 2010-006714, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

20. DECLARATION OF EASEMENTS AND WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND JOSEPH L. MESSENGER AND LILY MESSENGER, DATED MAY 4, 2011 AND RECORDED OCTOBER 13, 2011 IN (INSTRUMENT) 2011-083156, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

21. AFFIDAVIT DATED OCTOBER 29, 2013 AND RECORDED NOVEMBER 22, 2013 IN (INSTRUMENT) 2013-091335, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

22. AFFIDAVIT OF AFFIXTURE BETWEEN STEVEN F. OR ERICA STEINERT AND BRIAN CASSITY, DATED JULY 31, 2015 AND RECORDED AUGUST 11, 2015 IN (INSTRUMENT) 2015-051837, IN PINAL COUNTY, ARIZONA. NOT PLOTTED, NO AFFECT ON LEASE AREA

23. DECLARATION OF EASEMENTS AND WELL SHARING AGREEMENT BETWEEN JERRY W. FELDMILLER AND E. MARGARITA FELDMILLER, HUSBAND AND WIFE; AND KEITH M LARSEN AND JONETTE M SPENCER, DATED AUGUST 31, 2017 AND RECORDED OCTOBER 12, 2017 IN (INSTRUMENT) 2017-074401, IN PINAL COUNTY, ARIZONA. PLOTTED, NO AFFECT ON LEASE AREA

(#) SCHEDULE B EXCEPTION NUMBER PER TITLE REPORT

ACCESS AND UTILITY EASEMENT LEGAL DESCRIPTION

AN ACCESS AND UTILITY EASEMENT SITUATED IN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04'47" WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET; THENCE SOUTH 89°33'14" WEST 13.00 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING SOUTH 89°33'14" WEST, A DISTANCE OF 44.00 FEET;
THENCE NORTH 00°22'42" WEST, A DISTANCE OF 10.00 FEET;
THENCE NORTH 89°33'14" EAST, A DISTANCE OF 20.00 FEET;
THENCE NORTH 00°22'42" WEST, A DISTANCE OF 75.20 FEET, TO A POINT ON THE SOUTH LINE OF THE 25 FOOT INGRESS, EGRESS, ANG PUBLIC UTILITY EASEMENT RECORDED IN INSTRUMENT NUMBER 2000-043249, RECORDS OF PINAL COUNTY, ARIZONA;
THENCE ALONG SAID SOUTH LINE NORTH 89°37'18" EAST, A DISTANCE OF 24.00 FEET;
THENCE DEPARTING SAID SOUTH LINE, SOUTH 00°22'42" EAST, A DISTANCE OF 85.20 FEET TO THE POINT OF BEGINNING.

HAVING A TOTAL AREA OF 2244.50 SQUARE FEET MORE OR LESS.

UTILITY EASEMENT LEGAL DESCRIPTION

A 5 FOOT UTILITY EASEMENT SITUATED IN A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04'47" WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET; THENCE SOUTH 00°26'46" EAST 47.50 FEET TO THE POINT OF BEGINNING OF THE CENTERLINE OF SAID EASEMENT LYING 2.5 FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE;

THENCE NORTH 89°33'14" EAST 107.50 FEET;
THENCE SOUTH 00°26'46" EAST 47.50 FEET TO THE POINT OF TERMINUS.

HAVING A TOTAL LENGTH OF 155.00 FEET MORE OR LESS.

LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04'47" WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 00°26'46" EAST 50.00 FEET;
THENCE SOUTH 89°33'14" WEST 50.00 FEET;
THENCE NORTH 00°26'46" WEST 50.00 FEET;
THENCE NORTH 89°33'14" EAST 50.00 FEET TO THE POINT OF BEGINNING.

HAVING A TOTAL AREA OF 2500 SQ. FT. MORE OR LESS.

PARENT PARCEL LEGAL DESCRIPTION

COMMENCING AT THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, BEING MARKED BY A 1 1/2 INCH CONCRETE FILLED PIPE;

THENCE SOUTH 89 DEGREES, 59 MINUTES, 23 SECONDS WEST (BASIS OF BEARINGS) ALONG THE NORTHERLY LINE OF SAID SECTION 11, A DISTANCE OF 1334.37 FEET TO A POINT FROM WHICH THE NORTH QUARTER CORNER OF SAID SECTION 11 BEARS SOUTH 89 DEGREES 59 MINUTES 23 SECONDS WEST, 1302.84 FEET DISTANCE THEREFROM;

THENCE SOUTH 00 DEGREES 06 MINUTES 31 SECONDS EAST, BEING PARALLEL WITH THE EASTERLY LINE OF SAID SECTION 11, A DISTANCE OF 661.72 FEET;

THENCE SOUTH 89 DEGREES 59 MINUTES 23 SECONDS WEST BEING PARALLEL WITH THE SAID NORTHERLY LINE OF SECTION 11, A DISTANCE OF 333.56 FEET TO THE TRUE POINT OF BEGINNING;

THENCE SOUTH 00 DEGREES 02 MINUTES 41 SECONDS EAST, A DISTANCE OF 661.71 FEET;

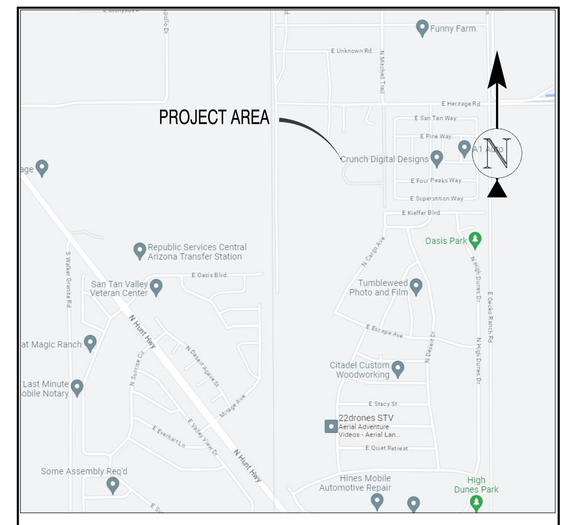
THENCE SOUTH 89 DEGREES 59 MINUTES 23 SECONDS WEST BEING PARALLEL WITH THE SAID NORTHERLY LINE OF SECTION 11, A DISTANCE OF 333.91 FEET;

THENCE NORTH 00 DEGREES 02 MINUTES 51 SECONDS WEST, A DISTANCE OF 661.71 FEET;

THENCE NORTH 89 DEGREES 59 MINUTES 23 SECONDS EAST BEING PARALLEL WITH THE SAID NORTHERLY LINE OF SECTION 11, A DISTANCE OF 333.56 FEET TO THE TRUE POINT OF BEGINNING.

BEING THE SAME PROPERTY CONVEYED TO KEITH M. LARSEN AND JONETTE M. SPENCER, HUSBAND AND WIFE IN WARRANTY DEED FROM BRIAN CASSITY, A WIDOWER DATED AUGUST 29, 2017 AND RECORDED AUGUST 31, 2017 IN INSTRUMENT NO. 2017-063251.

LEGAL DESCRIPTIONS



VICINITY MAP – N.T.S.

BENCHMARK

NGS CONTROL POINT "DU2292" ELEV=1516.07' NAVD88

BASIS OF BEARINGS

BEARINGS SHOWED HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM *ARIZONA CENTRAL ZONE, DETERMINED BY GPS OBSERVATIONS.*

SURVEY DATE

10/6/2023

SURVEYOR'S NOTES

SURVEY PREPARED FOR VB BTS II, LLC

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY TOWER AGENCY, LLC, COMMITMENT DATE OF SEPTEMBER 14, 2023, BEING REPORT ORDER NUMBER VTB-160200-C, FOR THE SUBJECT PROPERTY, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

ALL EASEMENTS CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED (EXCEPT FOR ROOFTOPS). SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE ISSUED.

THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY.

AT THE TIME OF THE SURVEY, NO ENCROACHMENTS WERE DISCOVERED THAT AFFECTED THE VB LEASE OR EASEMENT AREAS. VB LEASE AND VB EASEMENT LIE ENTIRELY WITHIN THE PARENT PARCEL.

THE ACCESS AND UTILITY EASEMENT ADJOINS TO A PUBLIC RIGHT OF WAY.

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND DEVELOPER TO CONTACT BLUE STAKE AND ANY OTHER INVOLVED AGENCIES TO LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. REMOVAL, RELOCATION AND/ OR REPLACEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROJECT INFORMATION

CLIENT:

verticalbridge

750 PARK OF COMMERCE DRIVE, SUITE 200
BOCA RATON, FL 33487
(561)-948-6367

PLANS PREPARED FOR:

State 48 Development Consulting

WWW.STATE48CONSULTING.COM
14301 N. 87th STREET #105
SCOTTSDALE, AZ 85206
480-242-2477 602-821-3567

PLANS PREPARED BY:

Western Geomatics Services

2925 E Riggs Rd Suite 8-191
Chandler, AZ 85249
(480) 656-7912 office
(480) 219-5195 fax

THESE DRAWINGS ARE PROPRIETARY, COPYWRITTEN AND THE PROPERTY OF T-MOBILE AND PRODUCED SOLELY FOR THE USE OF OUR PROJECT DEVELOPMENT. ANY REPRODUCTION, DISTRIBUTION OR USE OF THE INFORMATION CONTAINED WITHIN SAID DRAWINGS IS PROHIBITED WITHOUT WRITTEN CONSENT OF T-MOBILE.

PROJECT NUMBER	DRWN BY	CHKD BY
PH-68005	CB	JC

REVISIONS

0	10/11/23	PRELIMINARY
1	10/16/23	SUBMITTAL
2	11/14/23	COMMENTS
3	5/21/24	EASEMENT CHANGE

SITE NAME

PH68005
US-AZ-5186
APOLLO HUNT

SITE ADDRESS

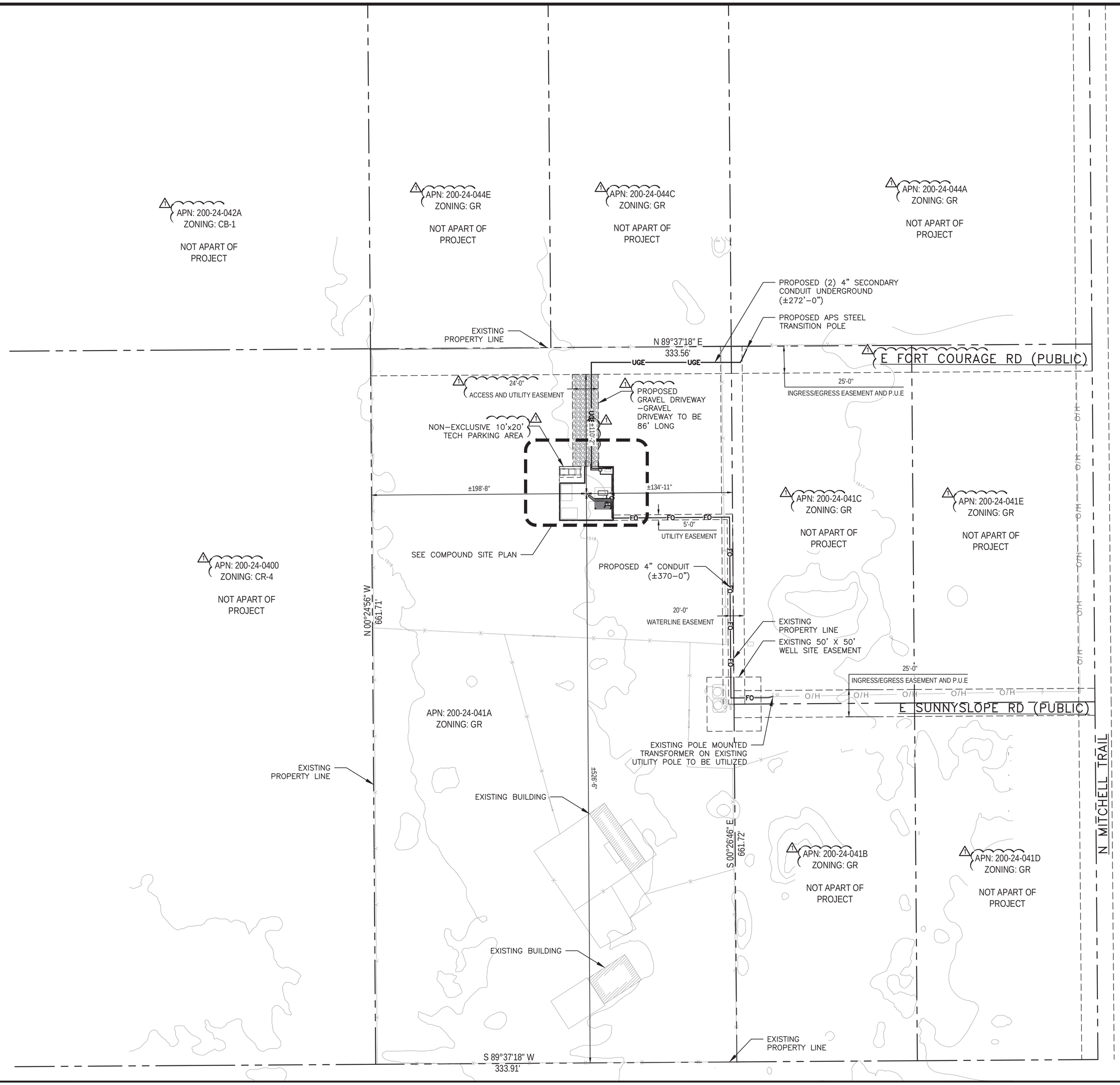
6497 E SUNNYSLOPE RD.
FLORENCE, AZ, 85132
PINAL COUNTY

SHEET TITLE

SITE SURVEY

SHEET NUMBER

LS-1



LEGEND

NEW	PROPOSED
(E)	EXISTING
—— – ——	CENTER LINE
—— – – ——	PROPERTY LINE
——X——	FENCE LINE
- - - - - - - -	EASEMENT LINE
—— OHP ——	OVERHEAD POWER
—— OHT ——	OVERHEAD TELCO
—— OHF ——	OVERHEAD FIBER
—— P ——	UNDERGROUND POWER CONDUIT
—— T ——	UNDERGROUND TELCO CONDUIT
—— F ——	UNDERGROUND FIBER CONDUIT
——HYBRID——	HYBRID CABLE
—— COAX ——	COAX CABLE
—— SF ——	SILT FENCE

POLE SETBACKS

NORTH SETBACK	±110'-2"
EAST SETBACK	±134'-11"
SOUTH SETBACK	±526'-6"
WEST SETBACK	±198'-8"

NOTE:
1. MOTION DETECTOR SECURITY LIGHTING MAY BE APPROVED IF THE LIGHTS ARE FULLY SHIELDED. ANY OUTDOOR LIGHTING REQUIRES A SEPARATE LIGHTING PERMIT
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE
3. REFERENCE FEE NO: 2000-040416 FOR LEGAL ACCESS

OVERALL SITE PLAN

50' 25' 0 50' 100'
1"=50'

1

SUP CASE #: SUP-008-24

CLIENT:
verticalbridge
WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:
State 48 Development Consulting
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14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:
08/08/2024
REGISTERED ARCHITECT
CERTIFICATE NO.
40833
NAVIN PATHANGAY
DATE SIGNED
Arizona U.S.A.
EXPIRES 6/30/2025

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

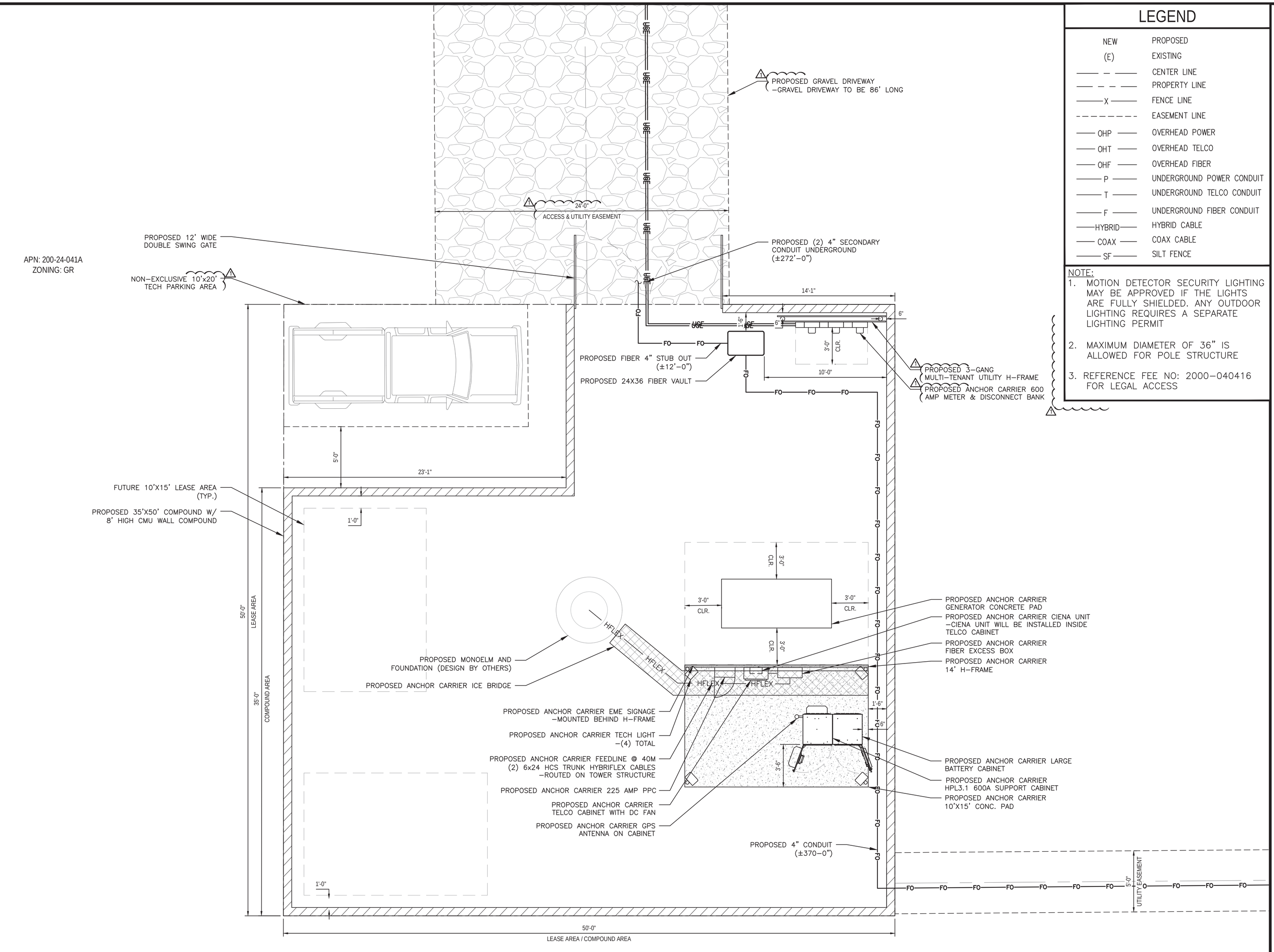
REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
1	05/20/2024	CITY COMMENTS
2	06/17/2024	RAD CENTER UPDATE
3	07/23/2024	CLIENT COMMENTS
4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
C-1



LEGEND

NEW	PROPOSED
(E)	EXISTING
—— – ——	CENTER LINE
—— – – ——	PROPERTY LINE
——X——	FENCE LINE
- - - - - - - -	EASEMENT LINE
—— OHP ——	OVERHEAD POWER
—— OHT ——	OVERHEAD TELCO
—— OHF ——	OVERHEAD FIBER
—— P ——	UNDERGROUND POWER CONDUIT
—— T ——	UNDERGROUND TELCO CONDUIT
—— F ——	UNDERGROUND FIBER CONDUIT
——HYBRID——	HYBRID CABLE
—— COAX ——	COAX CABLE
—— SF ——	SILT FENCE

NOTE:

1. MOTION DETECTOR SECURITY LIGHTING MAY BE APPROVED IF THE LIGHTS ARE FULLY SHIELDED. ANY OUTDOOR LIGHTING REQUIRES A SEPARATE LIGHTING PERMIT
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE
3. REFERENCE FEE NO: 2000-040416 FOR LEGAL ACCESS

COMPOUND SITE PLAN

4' 2' 0 4' 8'
1/4"=1'-0"

1

SUP CASE #: SUP-008-24

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting
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14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT
CERTIFICATE NO.
40833
NAVIN PATHANGAY
DATE SIGNED
Arizona U.S.A.

EXPIRES 6/30/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
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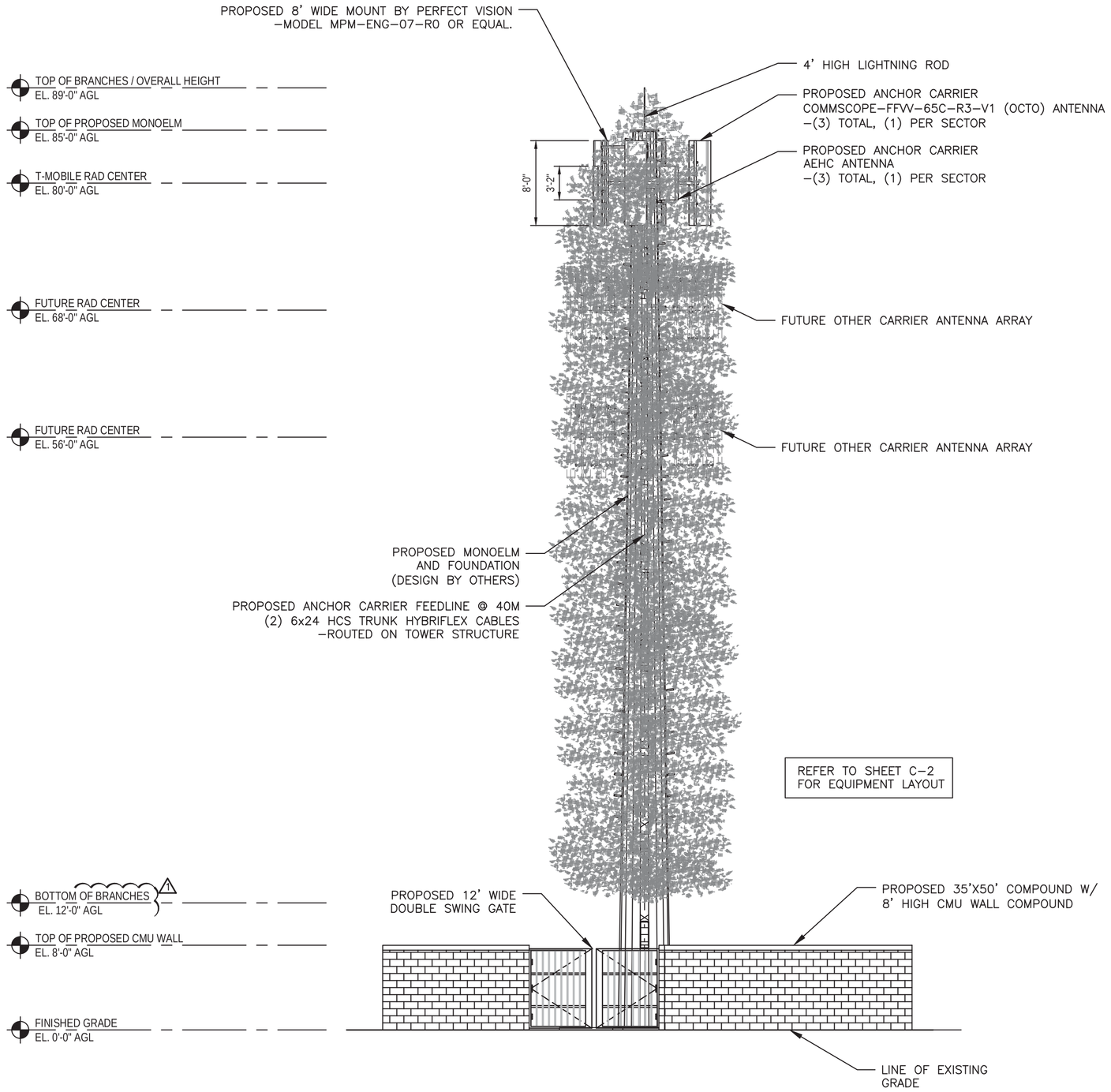
SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
COMPOUND SITE PLAN

SHEET NUMBER
C-2

NOTE:
1. STARTING AT THE BASE, PROVIDE FULL BARK CLADDING ON TRUNK.
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE

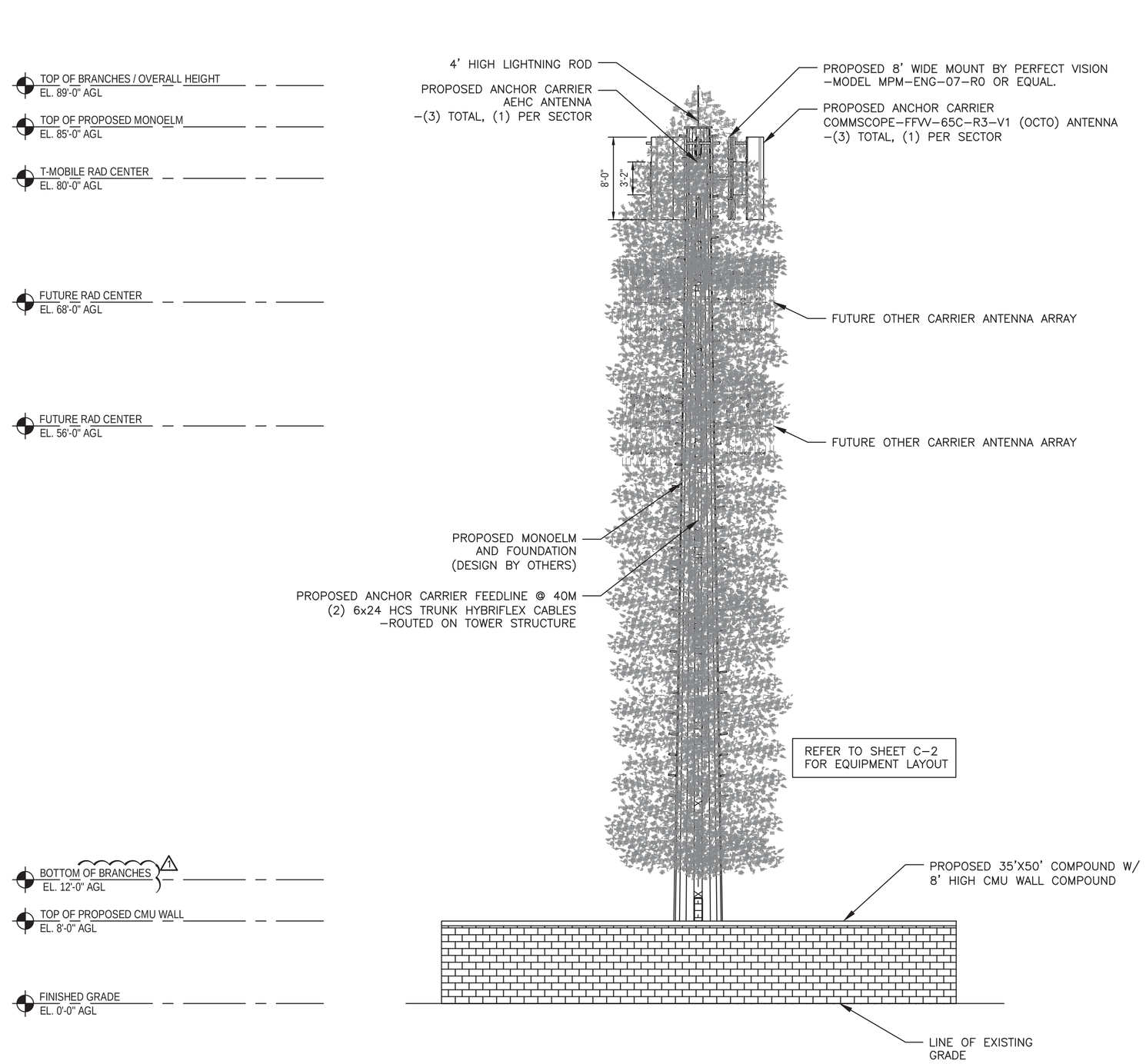


NORTH ELEVATION

8' 4' 0 8' 16'
1/8"=1'–0"

1

NOTE:
1. STARTING AT THE BASE, PROVIDE FULL BARK CLADDING ON TRUNK.
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE



EAST ELEVATION

8' 4' 0 8' 16'
1/8"=1'–0"

2

SUP CASE #: SUP–008–24

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting
WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480–242–2477 602–821–3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT CERTIFICATE 40833 NAVIN PATHANGAY DATE SIGNED Arizona U.S.A.

EXPIRES 6/30/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

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4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

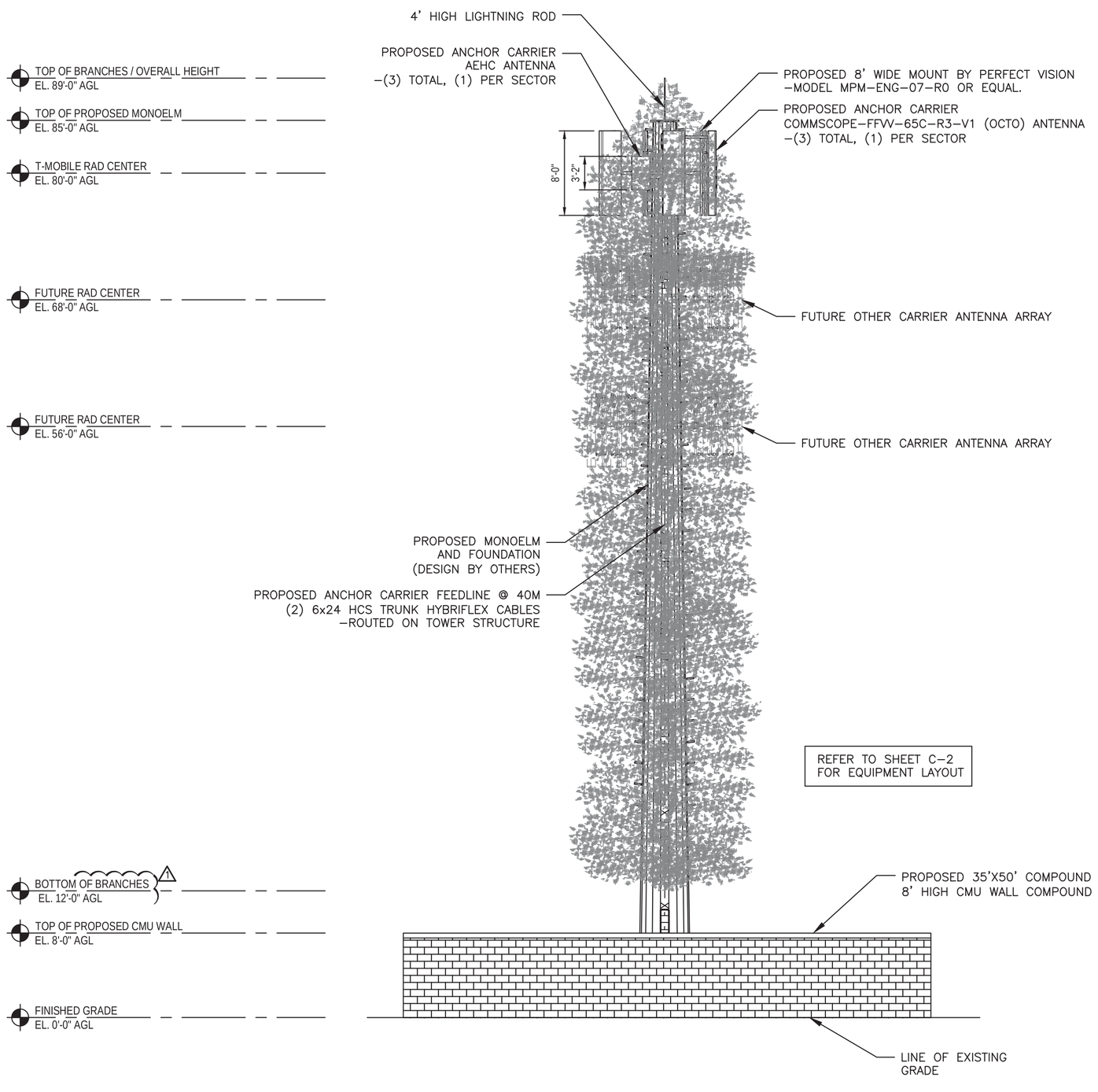
SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US–AZ–5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
TOWER ELEVATION

SHEET NUMBER
C-3

NOTE:
1. STARTING AT THE BASE, PROVIDE FULL BARK CLADDING ON TRUNK.
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE

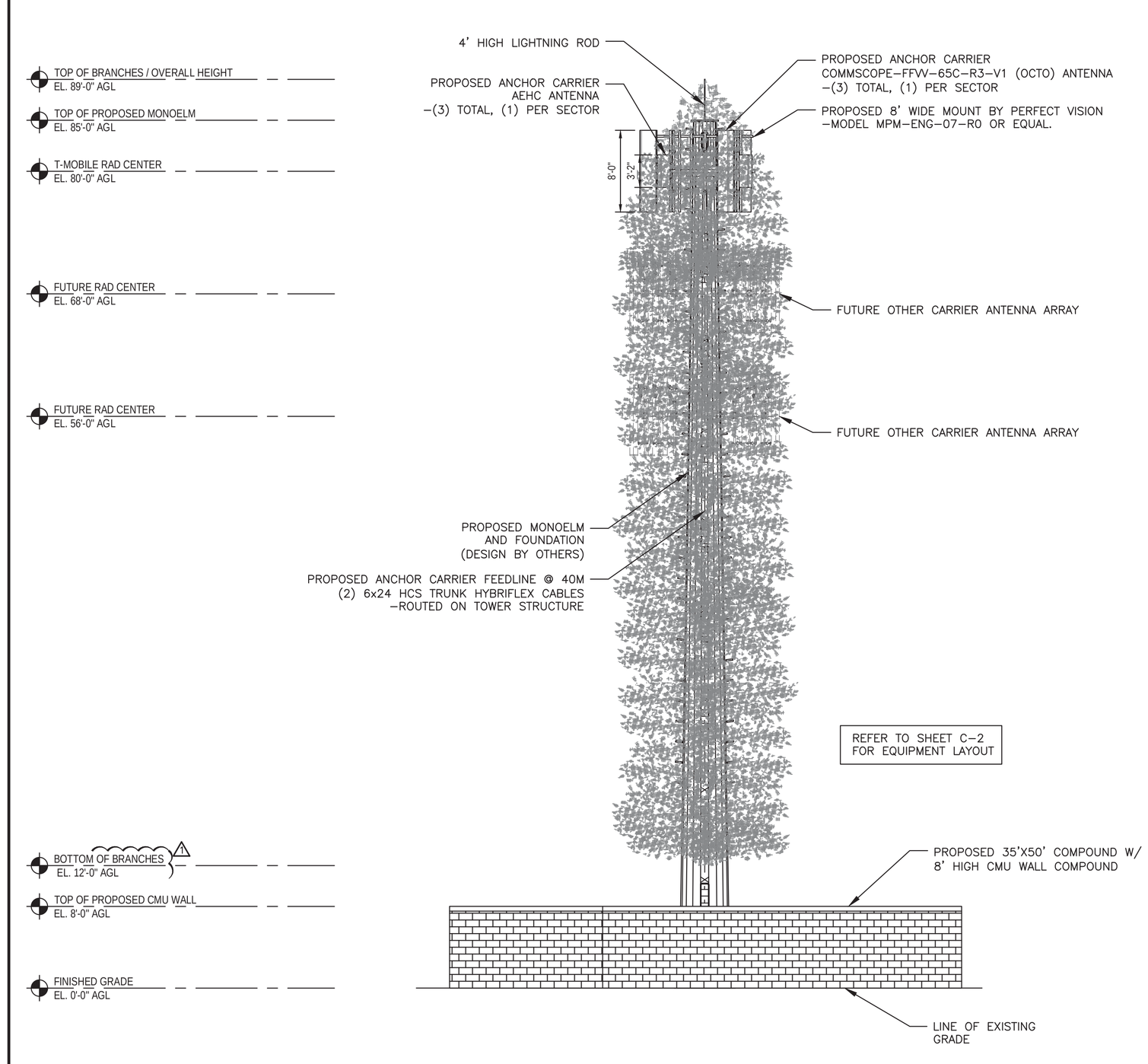


SOUTH ELEVATION

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

1

NOTE:
1. STARTING AT THE BASE, PROVIDE FULL BARK CLADDING ON TRUNK.
2. MAXIMUM DIAMETER OF 36" IS ALLOWED FOR POLE STRUCTURE



WEST ELEVATION

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

2

SUP CASE #: SUP-008-24

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting

WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT CERTIFICATE 40833 NAVIN PATHANGAY DATE SIGNED Arizona U.S.A.

EXPIRES 6/30/2025

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
1	05/20/2024	CITY COMMENTS
2	06/17/2024	RAD CENTER UPDATE
3	07/23/2024	CLIENT COMMENTS
4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

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6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
TOWER ELEVATION

SHEET NUMBER
C-4

NOT USED

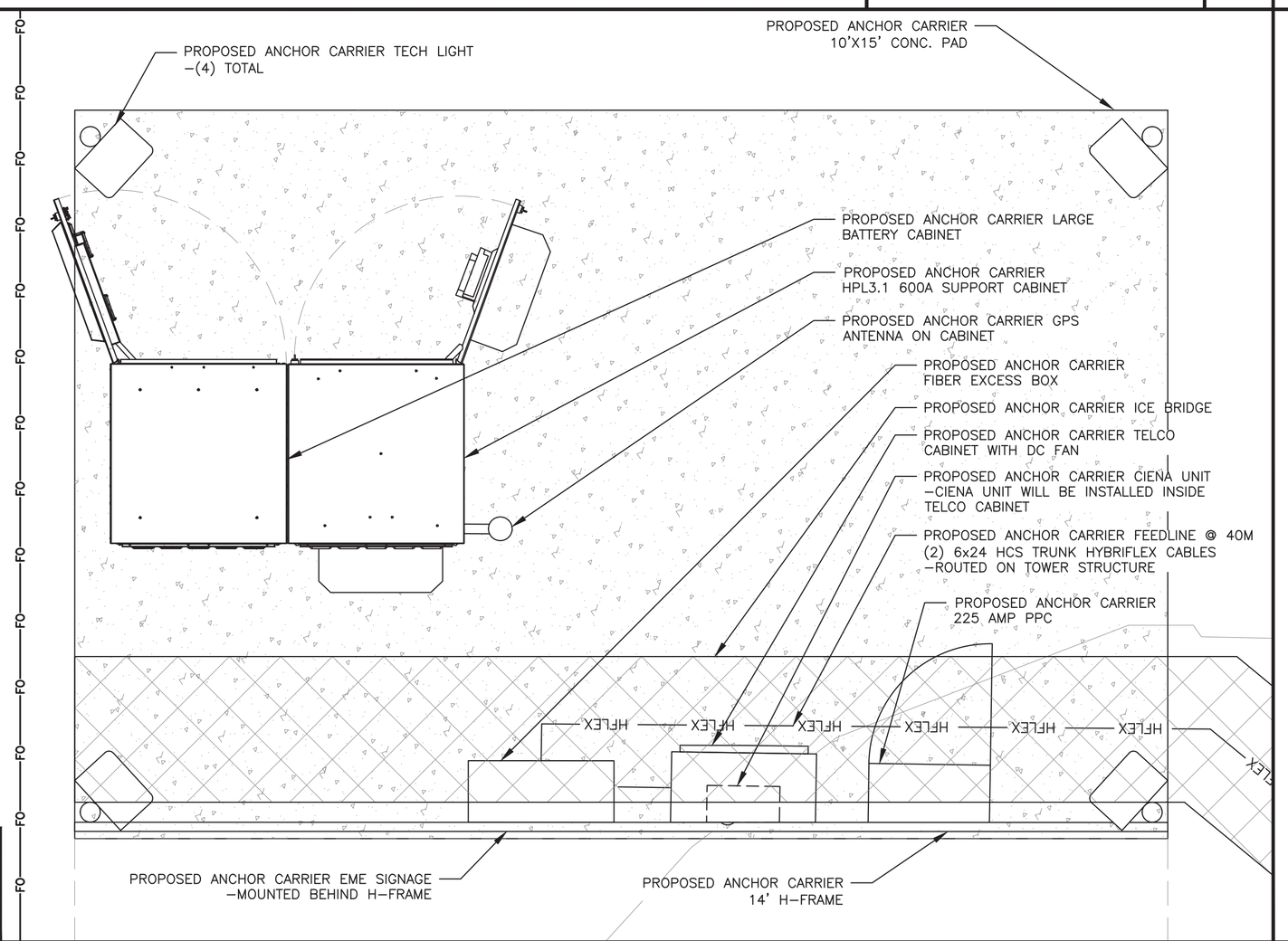
NO SCALE

1

NOT USED

NO SCALE

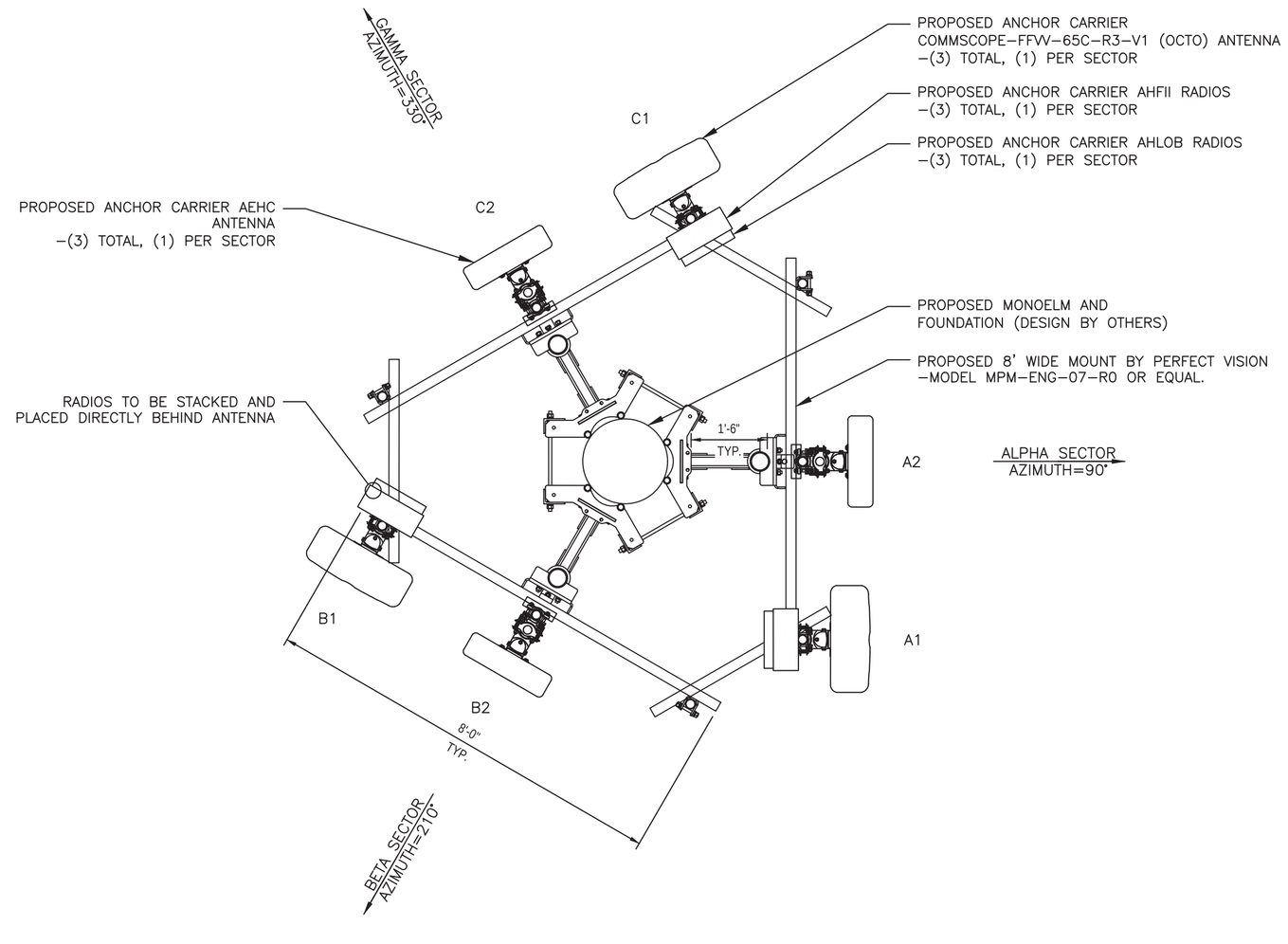
2



ENLARGED EQUIPMENT PLAN

12" 6" 0 1' 2' 3'
3/4"=1'–0"

3



ANTENNA CONFIGURATION

12" 6" 0 1' 2' 3' 4' 5'
1/2"=1'–0"

4

CLIENT:

vertical bridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

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14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480–242–2477 602–821–3567

LICENSURE:

08/08/2024

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CERTIFICATE NO.
40833
NAVIN
PATHANGAY
DATE SIGNED
Arizona U.S.A.

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JD	DM	DM

RFDS REV #: 1

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REV	DATE	DESCRIPTION
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1	05/20/2024	CITY COMMENTS
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3	07/23/2024	CLIENT COMMENTS
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TENANT SITE #:
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VERTICAL BRIDGE SITE #:
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FLORENCE, AZ 85132

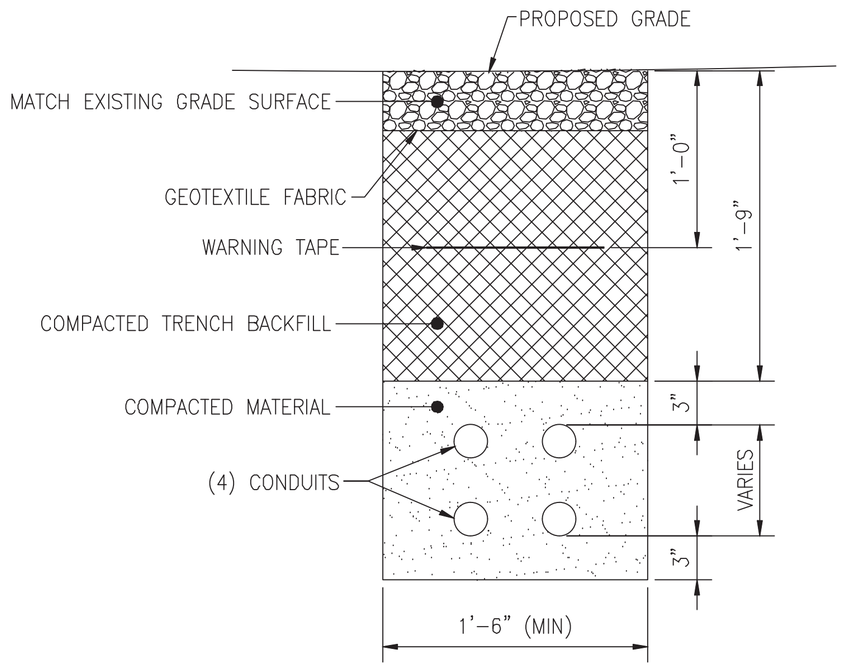
SHEET TITLE

ANTENNA PLAN

SHEET NUMBER

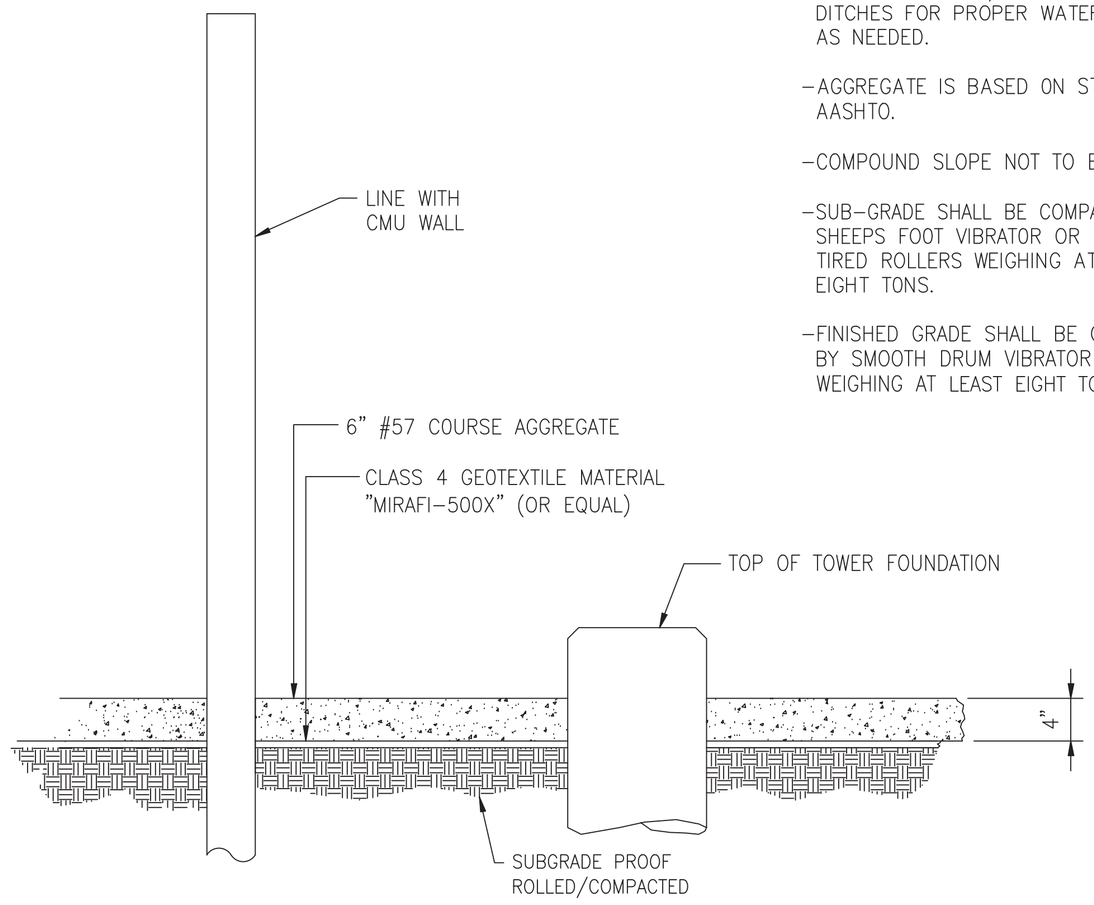
C-5

⚠1 SUP CASE #: SUP–008–24

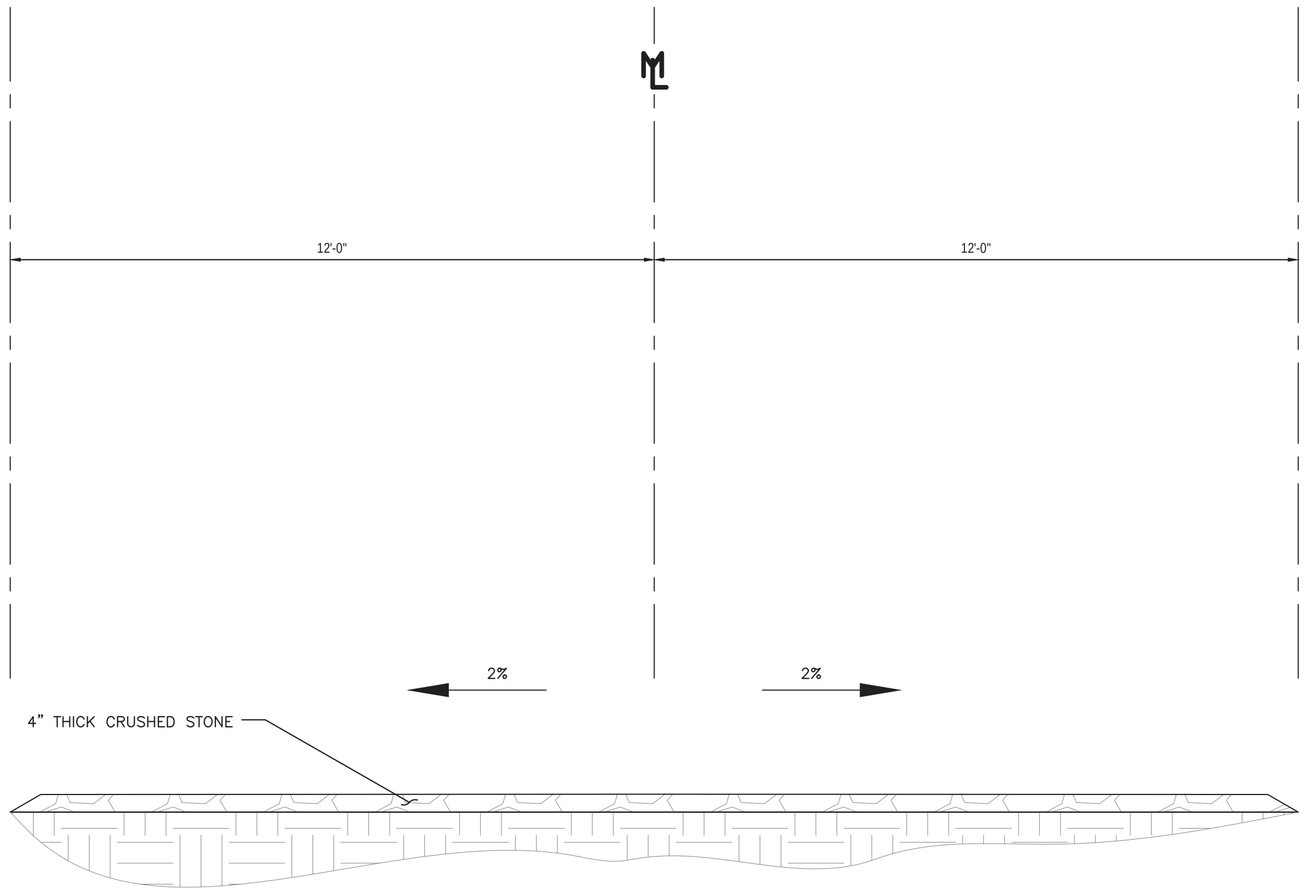


ELECTRICAL / UTILITY COMMUNICATION TRENCH SECTION | NO SCALE | 1

NOTES:
- USE SWALES AND/OR DRAINAGE DITCHES FOR PROPER WATER RUNOFF AS NEEDED.
- AGGREGATE IS BASED ON STANDARD AASHTO.
- COMPOUND SLOPE NOT TO EXCEED 5%
- SUB-GRADE SHALL BE COMPACTED BY SHEEPS FOOT VIBRATOR OR RUBBER TIRED ROLLERS WEIGHING AT LEAST EIGHT TONS.
- FINISHED GRADE SHALL BE COMPACTED BY SMOOTH DRUM VIBRATOR ROLLERS WEIGHING AT LEAST EIGHT TONS.



SITE COMPOUND SURFACING DETAIL | NO SCALE | 2



NOTE:
GRAVEL DRIVEWAY TO BE 86' LONG

GRAVEL DRIVEWAY DETAILS | NO SCALE | 3

CLIENT:

vertical bridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting
WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

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VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
DETAILS

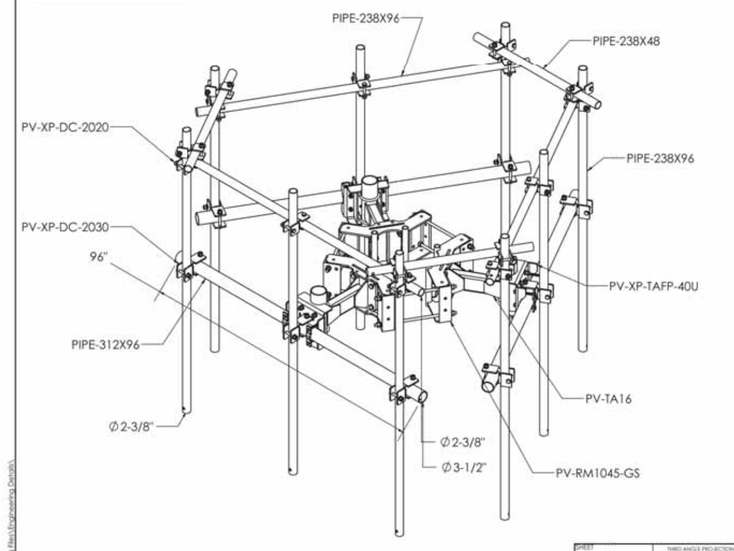
SHEET NUMBER
C-6

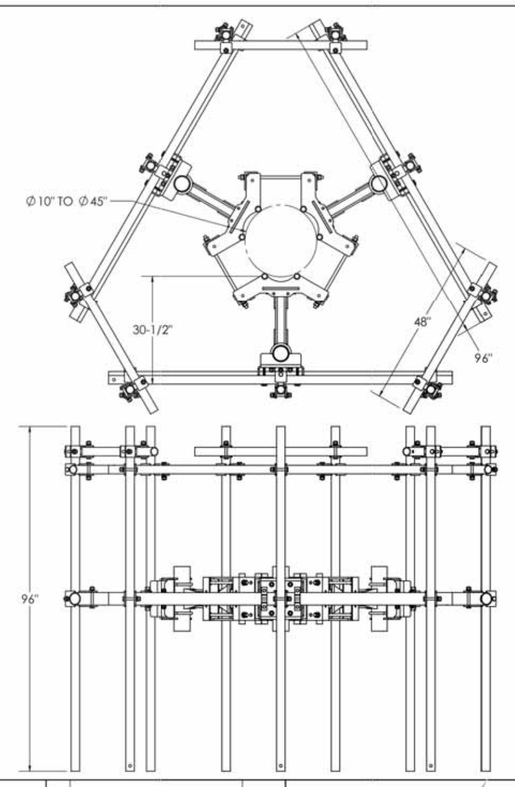
SUP CASE #: SUP-008-24

MONOPOLE T-ARM MOUNT

Table 1: Included Parts

Part Number	Description	Weight (lbs)	Included Parts: PV-RM1045-GS	PV-TA16	PV-XP-TAFP-40U	PV-XP-DC-2020	PV-XP-DC-2030	PIPE-238X48	PIPE-238X96	PIPE-312X96
PV-MPM-TA16-8-HR2-AP7	Monopole T-Arm, 10° to 45° Pole, 8' Face, Upper Rail, (9) 2-3/8" x 96" Antenna Pipes	1320	1	3	3	15	9	3	12	3





SHEET	THIRD ANGLE PROJECTION	CATEGORY			
1 OF 3		SERIES			
6/3/2020	SCALE 1:24	TYPE			
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE±1/4", BEND±2° ALL OTHERS: ±1/16"		BY DJN CHECKED SJS STATUS APPROVED			
			REV	DESCRIPTION	DATE
			0	INITIAL RELEASE	6/2/20

PERFECTVISION

MONOPOLE T-ARM MOUNT
DOCUMENT NUMBER: MPM-ENG-07-R0
REV: 0

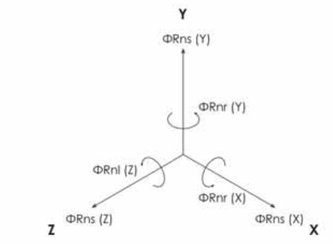
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PV-XP-DC

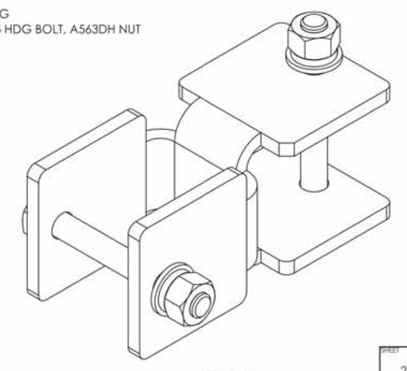
DUALCROSS 90° CROSSOVER BRACKET

Table 1: Crossover Configurations and Capacities

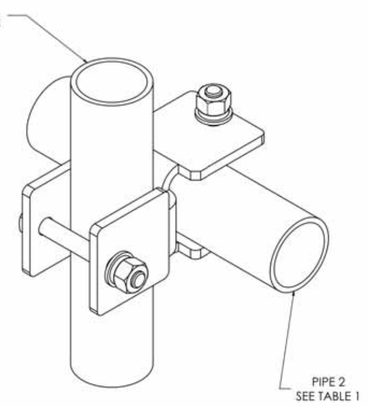
Part Number	Weight	Pipe 1 Size (Vertical)	Pipe 2 Size (Horizontal)	Pipe 1 Bolt Size	Pipe 2 Bolt Size	Available Sliding Strength (Φ=0.7)			Available Torsional Strength (Φ=0.7)		Available Lateral Twist Strength (Φ=0.9)
						ΦRns (X)	ΦRns (Y)	ΦRns (Z)	ΦRnr (X)	ΦRnr (Y)	ΦRnl (Z)
	lbs	in	in	in	in	kip	kip	kip	kip-in	kip-in	kip-in
PV-XP-DC-2020	6.1	Ø2.375	Ø2.375	Ø5/8 x 4-1/2	Ø5/8 x 4-1/2	3.85	3.85	Fixed	6.0	6.0	14.0
PV-XP-DC-2025	7.0	Ø2.375	Ø2.875	Ø5/8 x 4-1/2	Ø5/8 x 5	3.85	3.85	Fixed	6.0	6.0	14.0
PV-XP-DC-2030	8.1	Ø2.375	Ø3.5	Ø5/8 x 4-1/2	Ø5/8 x 5-1/2	3.85	3.85	Fixed	6.8	6.0	14.0
PV-XP-DC-2525	8.0	Ø2.875	Ø2.875	Ø5/8 x 5	Ø5/8 x 5	3.85	3.85	Fixed	6.0	6.0	20.0
PV-XP-DC-2530	9.3	Ø2.875	Ø3.5	Ø5/8 x 5	Ø5/8 x 5-1/2	3.85	3.85	Fixed	6.8	6.0	20.0
PV-XP-DC-3030	10.7	Ø3.5	Ø3.5	Ø5/8 x 5-1/2	Ø5/8 x 5-1/2	3.85	3.85	Fixed	6.8	6.8	27.0
PV-XP-DC-3040	13.1	Ø3.5	Ø4.5	Ø5/8 x 5-1/2	Ø5/8 x 6-1/2	3.85	3.85	Fixed	6.8	6.8	27.0



NOTES:
- CAPACITY VALUES EXPERIMENTALLY DETERMINED
- INSTALLATION REQUIREMENTS:
  - MINIMUM BOLT TORQUE: 100 FT-LBS
  - CLEAN, DRY ASSEMBLY
  - GALVANIZED BRACKET AND HARDWARE
  - COLORED WAX COATING ON NUTS
- MATERIALS
  - BRACKET: A36 HDG
  - HARDWARE: A325 HDG BOLT, A563DH NUT



PV-XP-DC
DUALCROSS 90° CROSSOVER



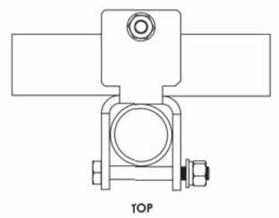
SHEET	THIRD ANGLE PROJECTION	CATEGORY			
2 OF 3		SERIES			
6/3/2020	SCALE NTS	TYPE			
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE±1/4", BEND±2° ALL OTHERS: ±1/16"		BY DJN CHECKED SJS STATUS APPROVED			
			REV	DESCRIPTION	DATE
			0	INITIAL RELEASE	6/2/20

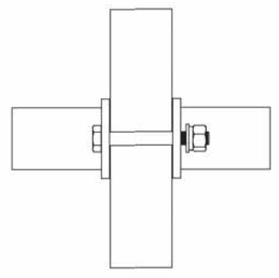
PERFECTVISION

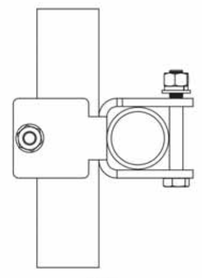
MONOPOLE T-ARM MOUNT
DOCUMENT NUMBER: MPM-ENG-07-R0
REV: 0

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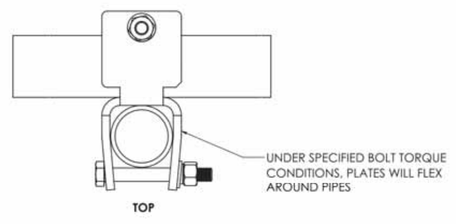
PRE-INSTALL ASSEMBLY:

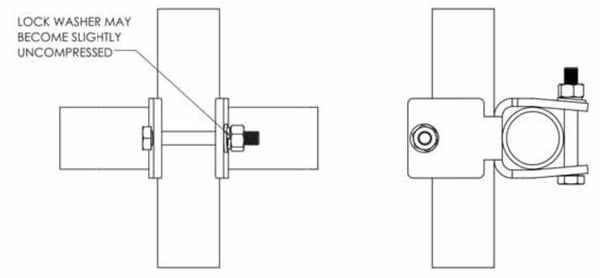






POST-INSTALL ASSEMBLY:





SHEET	THIRD ANGLE PROJECTION	CATEGORY			
3 OF 3		SERIES			
6/3/2020	SCALE 1:4	TYPE			
DIMENSIONS ARE IN INCHES TOLERANCES U.N.O. HOLES: +1/16", -1/32" ANGULAR: PROFILE±1/4", BEND±2° ALL OTHERS: ±1/16"		BY DJN CHECKED SJS STATUS APPROVED			
			REV	DESCRIPTION	DATE
			0	INITIAL RELEASE	6/2/20

PERFECTVISION

MONOPOLE T-ARM MOUNT
DOCUMENT NUMBER: MPM-ENG-07-R0
REV: 0

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MONOPOLE T-ARM DETAILS | NO SCALE | 1

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting

WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT
CERTIFICATE
40833
NAVIN
PATHANGAY
DATE SIGNED
ARIZONA U.S.A.

EXPIRES 6/30/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

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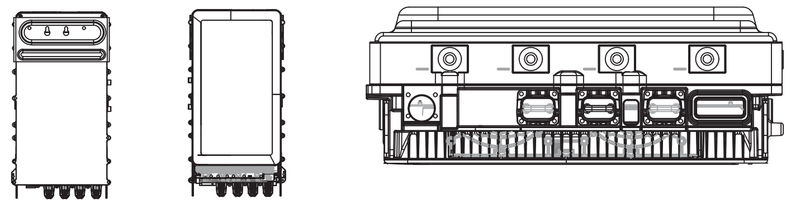
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PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
MOUNT DETAILS

SHEET NUMBER
C-7

SUP CASE #: SUP-008-24



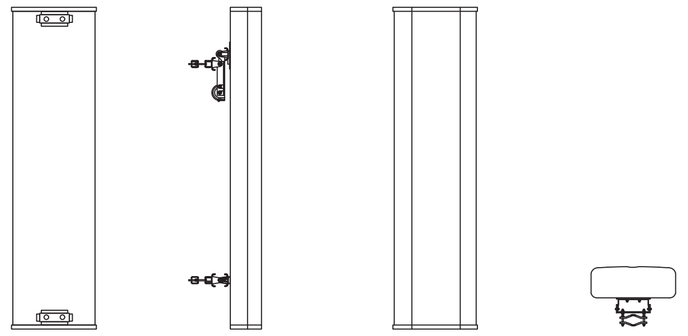
DIMENSION	VALUE
HEIGHT	25.2 INCHES (W/ BRACKET 26.6 INCHES)
WIDTH	13.5 INCHES (W/ BRACKET 14.5 INCHES)
DEPTH	5 INCHES (W/ BRACKET 6.2 INCHES)
WEIGHT	70.5 LBS

MANUFACTURER:	NOKIA
MODEL:	AHLOB AIRSCALE – 4T4R – B71/85 320W
DIMENSIONS:	26.6" X 14.5" X 6.2"
WEIGHT:	70.5 LBS

RADIO DETAIL — NO SCALE — 1

COMMSCOPE FFVV-65C-R-3-V1	
DIMENSIONS (HXWXD)	95.9" X 25.2" X 9.3"
TOTAL WEIGHT	124.6 LB
RF RORTS, CONNECTOR TYPE	4.3-10-FEMALE

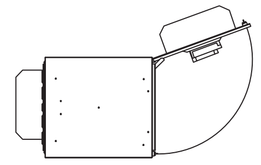
NOTES
FINAL ANTENNA SPECIFICATIONS TO BE CONFIRMED BY GC



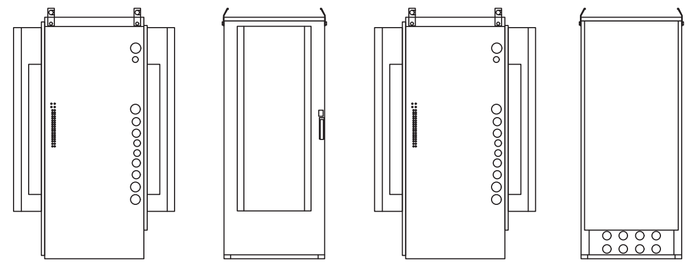
BACK SIDE FRONT PLAN

ANTENNA DETAIL — NO SCALE — 2

PURCELL HPL3.1 600A SUPPORT CABINET 2000005433	
DIMENSIONS (HXWXD)	72.0" X 30.0" X 32.0"
WEIGHT EMPTY:	430 LBS
HVAC	
POWER SYSTEM	

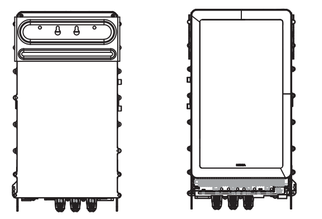


PLAN



SIDE FRONT SIDE BACK

CABINET DETAIL — NO SCALE — 3

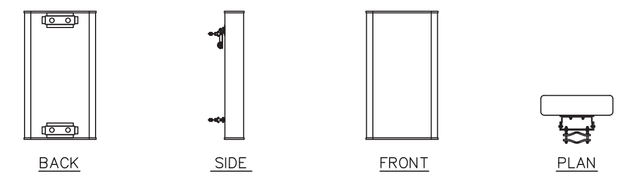


DIMENSION	VALUE
HEIGHT	26.61 INCHES
WIDTH	14.56 INCHES
DEPTH	5.91 INCHES
WEIGHT	71.65 LBS.

MANUFACTURER:	NOKIA (G5C001100)		
MODEL:	AHFII AIRSCALE – 4T4R – B25/66 480W		
DIMENSIONS:	26.61" x 14.56" x 5.91" (H x W x D) NOT TO EXCEED		
WEIGHT:	71.65 LBS		
MOUNT P/N:	FPKA (2000012738)	WEIGHT:	3.3 LBS

RADIO DETAIL — NO SCALE — 4

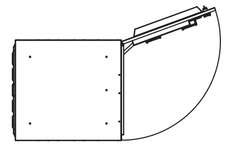
AEHC 2.5GHZ MIMO RADIO	
DIMENSIONS (HXWXD)	38.2" X 21.5" X 5.9"
TOTAL WEIGHT	108.0 LB
RF RORTS, CONNECTOR TYPE	APPG DC POLE CONNECTOR



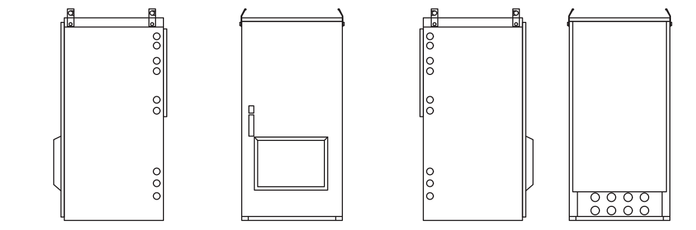
BACK SIDE FRONT PLAN

ANTENNA DETAIL — NO SCALE — 5

LARGE BATTERY CABINET 2000005434	
DIMENSIONS (HXWXD)	60.4" X 30.0" X 31.6"
WEIGHT EMPTY:	350 LBS
HVAC	
POWER SYSTEM	

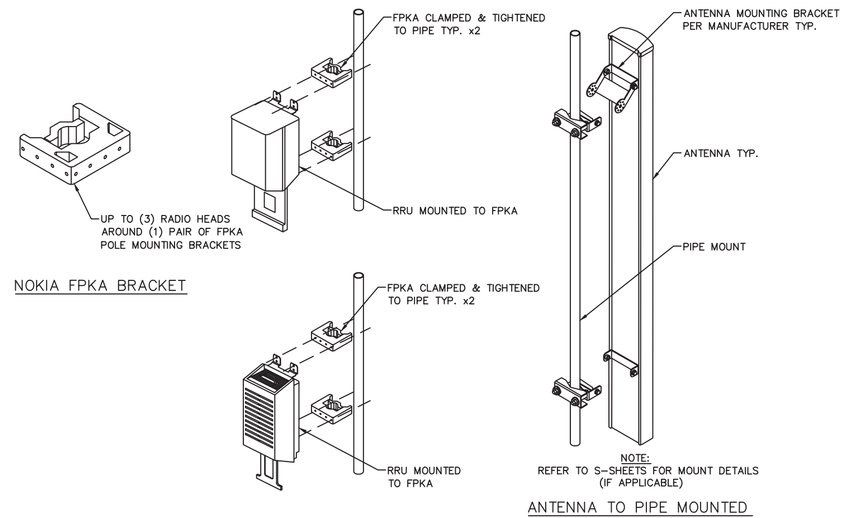


PLAN



SIDE FRONT SIDE BACK

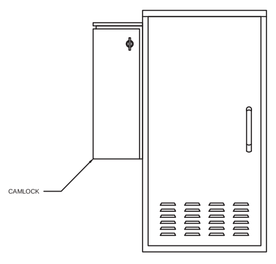
CABINET DETAIL — NO SCALE — 6



NOKIA FPKA BRACKET

ANTENNA TO PIPE MOUNTED

PIPE MOUNT DETAIL — NO SCALE — 7



ENCLOSURE
CABINET DIMENSIONS: 39.00" H X 20.00" W X 10.00" D
WEIGHT: APPROX. 75LBS.
EXTERNAL MATERIAL: 0.1" THICK ALUMINUM
MOUNTING: WALL OR PAD MOUNT (WITH OPTIONAL PAD-MOUNTING BASE)
CABINET ENCLOSURE TYPE: ONE AC POWER TVSS CABINET (NEMA 3R TYPE ENCLOSURE)
WEATHER PROTECTION: RAIN/DRIP HOOD, RAIN TESTED PER UL 891

ENCLOSURE
OPERATING VOLTAGE: 120 VAC, SINGLE PHASE, 3 WIRE AND GROUND
SERVICE: 225 AMP, UTILITY/STANDBY
DISCONNECT: 30-POSITION SQUARE-D LOAD CENTER, SLIDE BAR MECHANICAL INTERLOCK (PREVENTS BOTH SOURCES FROM BEING ENERGIZED SIMULTANEOUSLY AIC RATING: 65KAIC
LOAD CENTER: 1-15 AMP SINGLE POLE (120 VAC GFI DUPLEX RECEPTACLES)
BONDING JUMPER: OPTIONAL N-G BONDING JUMPER KIT (CUSTOMER INSTALLED IF REQUIRED)
STANDBY POWER RECEPTACLE: APPLETON AR20044RS STANDARD (200A), 10KAIC
TVSS WITH INDICATOR LIGHTS: RATED 20KA, METAL OXIDE VARISTORS (MOV)(160KA/PHASE)
REMOTE ALARM CONTACTS GROUNDING: INTEGRATED GROUND BAR
SECURITY (PADLOCKABLE): 3-POINT DOOR CLOSURE WITH 1/4 TURN HANDLE, SS HINGE
SAFETY COMPLIANCE: UL 891, DEAD FRONT SWITCHBOARDS
OPTIONS: 65,000 AIC SERIES RATED PAD-MOUNTING BASE (8" THICK)
VARIOUS GENERATOR RECEPTACLES OFFERD

PPC DETAIL — NO SCALE — 8

NOT USED — NO SCALE — 9

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting
WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT CERTIFICATE 40833 NAVIN PATHANGAY DATE SIGNED Arizona U.S.A.

EXPIRES 6/30/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

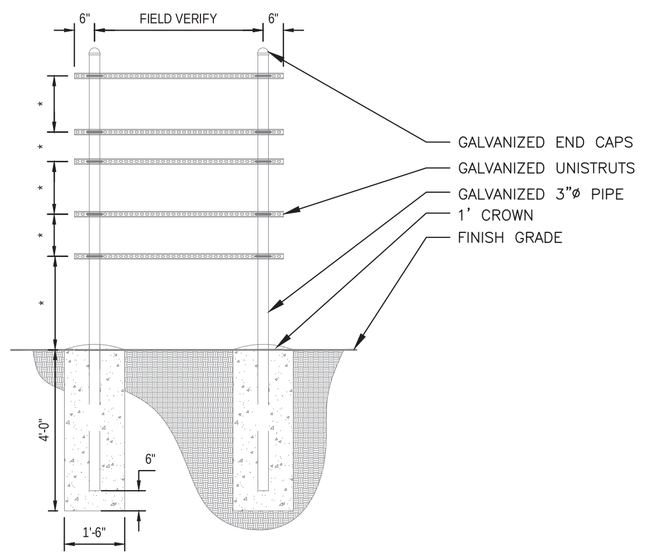
6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
EQUIPMENT DETAILS

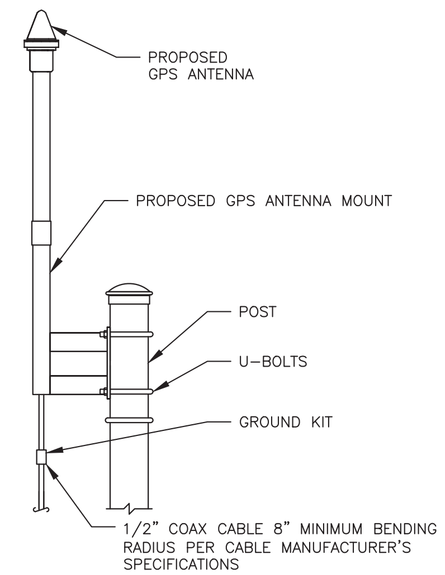
SHEET NUMBER
C-8

SUP CASE #: SUP-008-24

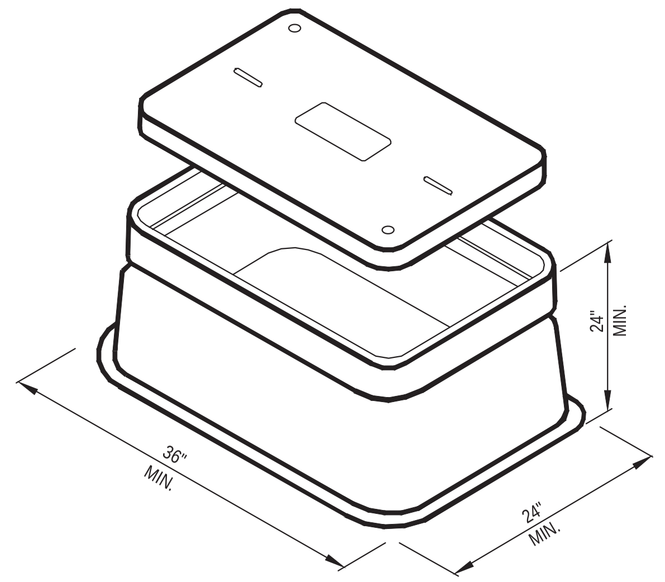
CONTRACTOR TO FIELD VERIFY
EQUIPMENT LOCATION AND ATTACH PER
MANUFACTURER'S RECOMMENDATIONS.



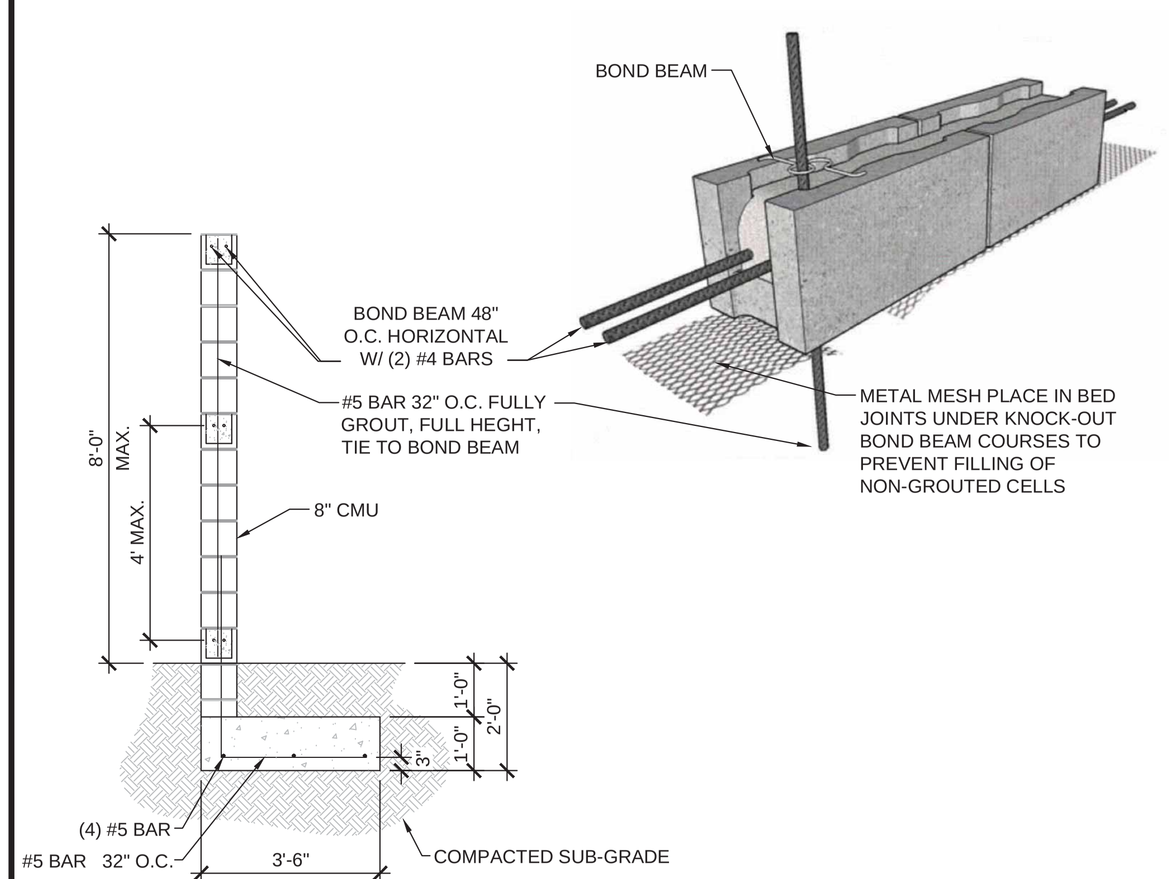
H-FRAME DETAIL — NO SCALE — 1



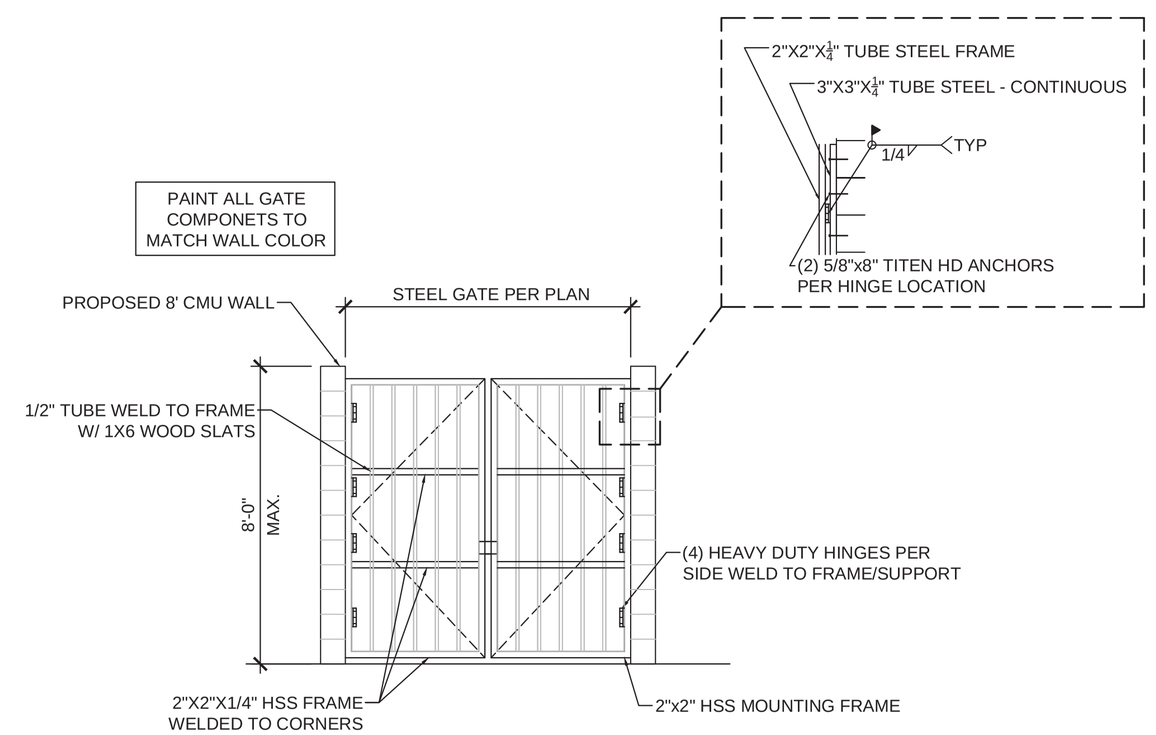
GPS ANTENNA DETAIL — NO SCALE — 2



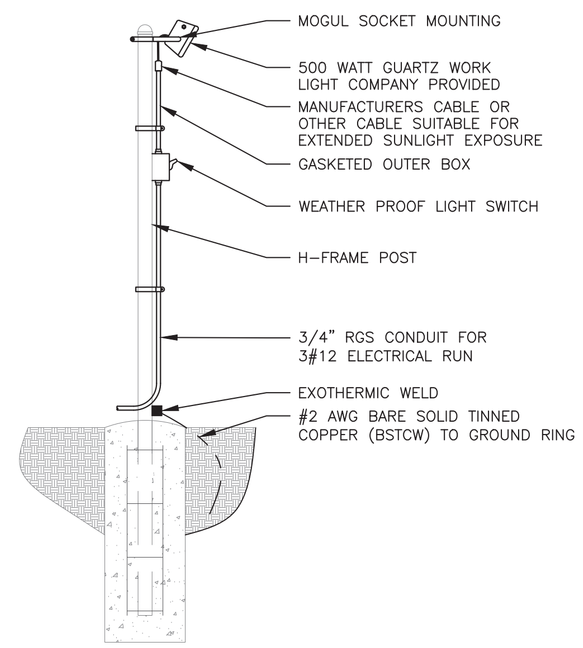
FIBER VAULT DETAIL — NO SCALE — 3



CMU WALL INSTALLATION DETAIL — NO SCALE — 4



GATE DETAIL — NO SCALE — 5



TECH LIGHT DETAIL — NO SCALE — 6

CLIENT:

verticalbridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

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SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

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EXPIRES 6/30/2025

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VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
EQUIPMENT DETAILS

SHEET NUMBER
C-9

SUP CASE #: SUP-008-24

TYPICAL SIGN LAYOUT:

1. USE GALVANIZED OR STAINLESS "HOG RINGS" TO INSTALL SIGNS.
2. PLACE "VERTICAL BRIDGE" SIGN ON THE LEFT GATE.
3. PLACE "CAUTION" & "NOTICE" SIGNS ON THE RIGHT GATE.
4. FOR ACCESS ROAD GATES, "VERTICAL BRIDGE" SIGN ONLY ON LEFT GATE.
5. PURCHASE AND PLACE VERTICAL BRIDGE LOCKS ON ALL FENCE AND ACCESS GATES. (SET COMBO TO: 0951)
6. GATE TYPES MAY VARY





TYPICAL SIGNAGE

NO SCALE

1

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verticalbridge

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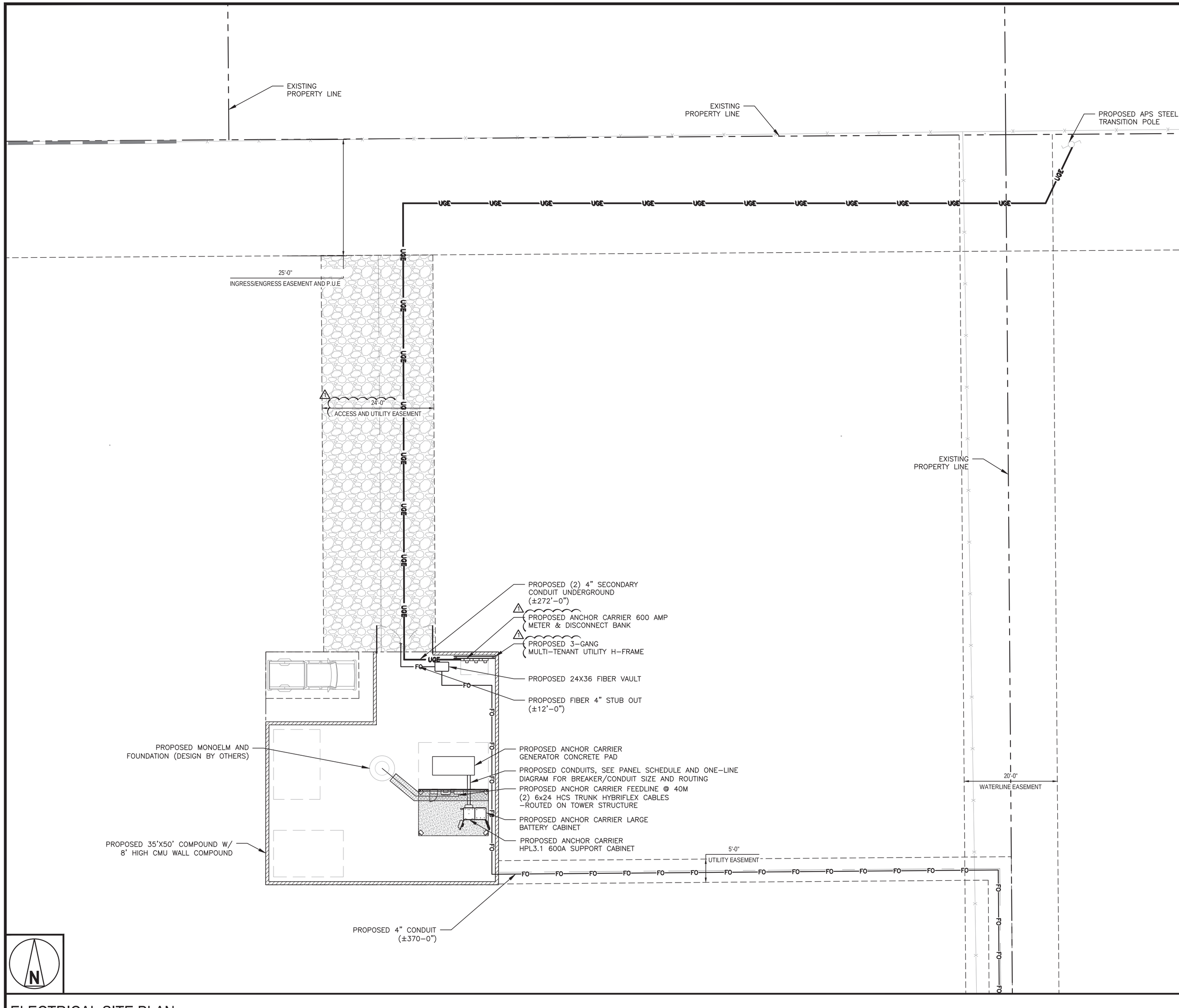
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6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
SIGNAGE DETAILS

SHEET NUMBER
C-10

SUP CASE #: SUP-008-24



LEGEND

NEW	PROPOSED
(E)	EXISTING
—— – ——	CENTER LINE
—— – – ——	PROPERTY LINE
——X——	FENCE LINE
- - - - - -	EASEMENT LINE
—— OHP ——	OVERHEAD POWER
—— OHT ——	OVERHEAD TELCO
—— OHF ——	OVERHEAD FIBER
—— P ——	UNDERGROUND POWER CONDUIT
—— T ——	UNDERGROUND TELCO CONDUIT
—— F ——	UNDERGROUND FIBER CONDUIT
——HYBRID——	HYBRID CABLE
—— COAX ——	COAX CABLE
—— SF ——	SILT FENCE

ELECTRICAL SITE PLAN

16' 12' 8' 4' 0 16' 32'
1/16"=1'-0"

1

SUP CASE #: SUP-008-24

CLIENT:

verticalbridge

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6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE

ELECTRICAL PLAN

SHEET NUMBER

E-1

CALL 4-7 WORKING DAYS BEFORE YOU DIG
263-1100
INSIDE MARICOPA COUNTY
1-800-STAKE-IT
OUTSIDE MARICOPA COUNTY

NOTE:
#6 COPPER WIRE AND GREATER SHALL BE (COPPER) THWN WIRE OR (COPPER) XHHW.

NOTE:
PRIOR TO RUNNING CONDUIT ROUTE - CONTRACTOR SHALL CONTACT THE T-MOBILE PROJECT MANAGER AND VERIFY THE EQUIPMENT CABINET LAYOUT CONFIGURATION AND ROUTE CONDUITS ACCORDINGLY.

NOTE:
PRE-CONSTRUCTION MEETING AND ELECTRICAL EASEMENT REQUIRED.

NOTE:
CONTRACTOR SHALL TAG EACH CIRCUIT CONDUIT AT EACH J-BOX, OUTLET, SWITCH, ETC. WITH THE CIRCUITS IDENTIFICATION.

1-PHASE PANEL.xlsm

PANEL NAME: **PPC**
VOLTAGE: 120/240V, 1PH, 3W
NEMA RATING: 3R
BUS RATING: 225A
MAIN TYPE: M.C.B.
AIC RATING: 65/10 KAIC

CCT NO.	LOAD CODE	LOAD DESCRIPTION	BKR SIZE	LOAD (KVA)	PHASE A	PHASE B		LOAD (KVA)	BKR SIZE	LOAD DESCRIPTION	LOAD CODE	CCT NO
1	1	TECH LIGHTS	20	0.36	0.36				60/2	SURGE		2
3	9	HPL3 CABINET				0.00						4
5	3	HPL3 CABINET	200/2	15.00	15.96			0.96	10	DC FAN	3	6
7	3	HPL3 CABINET		15.00		15.00				BUSSED SPACE		8
9	9	HPL3 CABINET			0.00					BUSSED SPACE		10
11	2	RECEPTS	15	0.18		0.18				BUSSED SPACE		12
13		BUSSED SPACE			0.00					BUSSED SPACE		14
15		BUSSED SPACE				0.00				BUSSED SPACE		16
17		BUSSED SPACE			0.00					BUSSED SPACE		18
19		BUSSED SPACE				0.00				BUSSED SPACE		20
21		BUSSED SPACE			0.00					BUSSED SPACE		22
23		BUSSED SPACE				0.00				BUSSED SPACE		24
25		BUSSED SPACE			0.00					BUSSED SPACE		26
27		BUSSED SPACE				0.00				BUSSED SPACE		28
29		BUSSED SPACE			0.00					BUSSED SPACE		30
31		BUSSED SPACE				0.00				BUSSED SPACE		32
33		BUSSED SPACE			0.00					BUSSED SPACE		34
35		BUSSED SPACE				0.00				BUSSED SPACE		36
37		BUSSED SPACE			0.00					BUSSED SPACE		38
39		BUSSED SPACE				0.00				BUSSED SPACE		40
41		BUSSED SPACE			0.00					BUSSED SPACE		42
		FEED THRU LOADS/PHASE (WHERE APPLICABLE)										
		SUB-FEED BREAKER								DESCRIPTION OF SUB-FEED 200A/3P PANEL XYZ		
		PEAK DEMAND PER 220-87 (WHERE APPLICABLE)/ 80*1.25			0.00	0.00				CIRCUIT NUMBERING BY POLE POSITION		
		PHASE TOTALS (KVA/Phase)			16.32	15.18				CIRCUIT BREAKERS FEEDING A/C EQUIPMENT		
		DEMAND LOADS MAY VARY FROM CONNECTED LOADS BECAUSE OF CODE DIVERSITIES.		**Connected KVA**	**31.50**		**131**	**Connected AMPS**		SHALL BE "MCP" RATED.		
				Demand KVA	**31.59**		**132**	**Demand AMPS**		ALL BREAKERS SHALL BE FULLY RATED		

Load Code	Load Summaries	Connected KVA	Factor	Demand KVA	Phase amps (Connected)	
0	**Exterior Lighting**	0.00	1.25	0.00	Phase (A)	136.00
1	**Lighting -Continuous**	0.36	1.25	0.45	Phase (B)	126.50
2	**Receptacles**	0.18	1.00	0.18		
3	**Special Loads**	30.96	1.00	30.96		
4	**Motors**	0.00	1.00	0.00		
5	**Kitchen (Commercial)**	0.00	***	0.00	Per Table 220.56	
6	**HVAC Heating**	0.00	1.00	0.00	Larger of the two loads per NEC 220-60	
7	**HVAC Cooling**	0.00	1.00	0.00	Larger of the two loads per NEC 220-60	
9	**Non Coincedental Load**	0.00	0.00	0.00		
10	**Miscellaneous - Non-Continuous**	0.00	1.00	0.00	**Phase amps (Demand)**	
11	**Miscellaneous - Continuous**	0.00	1.25	0.00		
					Phase (A)	136.75
	Peak Demand per 220-87	0.00	1.56	0.00	Phase (B)	126.50
	Subtotals	31.50		31.59		
	Largest Motor		0.00 0.25	0.00	Spare Capacity (Amps)	68
	Largest AC Unit		0.00 0.25	0.00	Spare Capacity Load (%)	34%
	Total KVA	31.50		31.59	**HIGH PHASE**	**136.75**

Load Code "8" is used to assemble kva information only related to subfeed load (downstream panelboards). The kva values shown for Load Code "8" are dispersed amongst Load Codes "0-7" and "9-12" respectively.

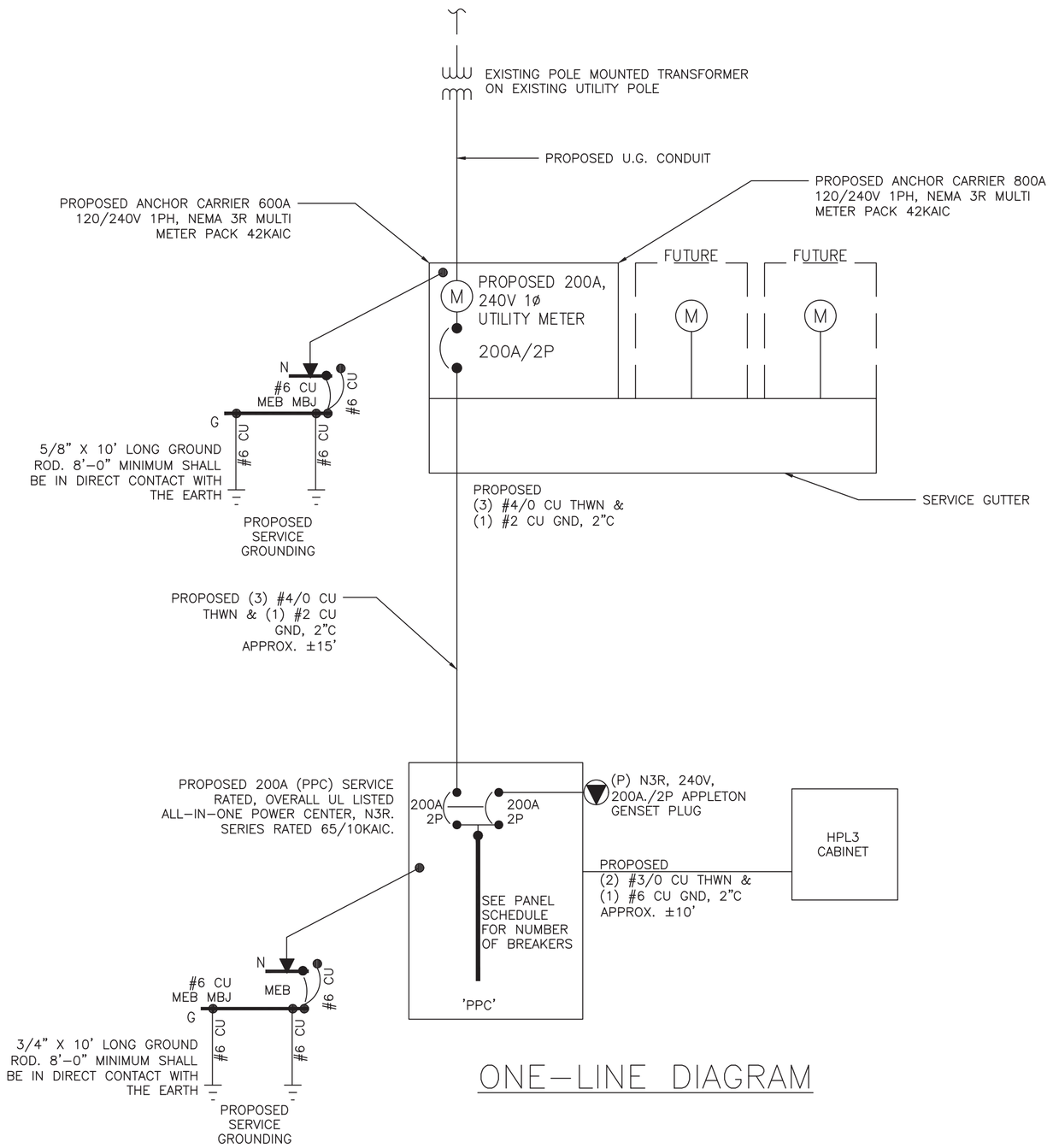
PROPOSED

NOTE:
MOVE LOSS COMMERCIAL POWER FROM PPC TO ATS

DC -48V FEEDER CABLING CHART

CALCULATIONS ARE BASED ON WORST CASE FULL LOAD AMPS AT 104A -48VDC. NOT EXCEDING 3% VOLTAGE DROP. IF FIELD CONDITIONS ARE DIFFERENT THAN INDICATED, CONTACT ENGINEER FOR REVISED CALCULATIONS.

DISTANCE FROM FUEL CELL TO EQUIP. CABINET.	-48V, DC SINGLE CABLE	-48V, DC PARALLEL CABLE	CONDUIT SIZE
1'-70'	1-#1/0 CU. AWG		1-1/4"
71-90'	1-#2/0 CU. AWG		1-1/2"
91'-110'	1-#3/0 CU. AWG		1-1/2"
111'-140'	1-#4/0 CU. AWG		2"
141'-175'		2-#2/0 CU. AWG	2"



ONE-LINE DIAGRAM

CLIENT:
verticalbridge
WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

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(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
ONE-LINE DIAGRAM & PANEL SCHEDULE

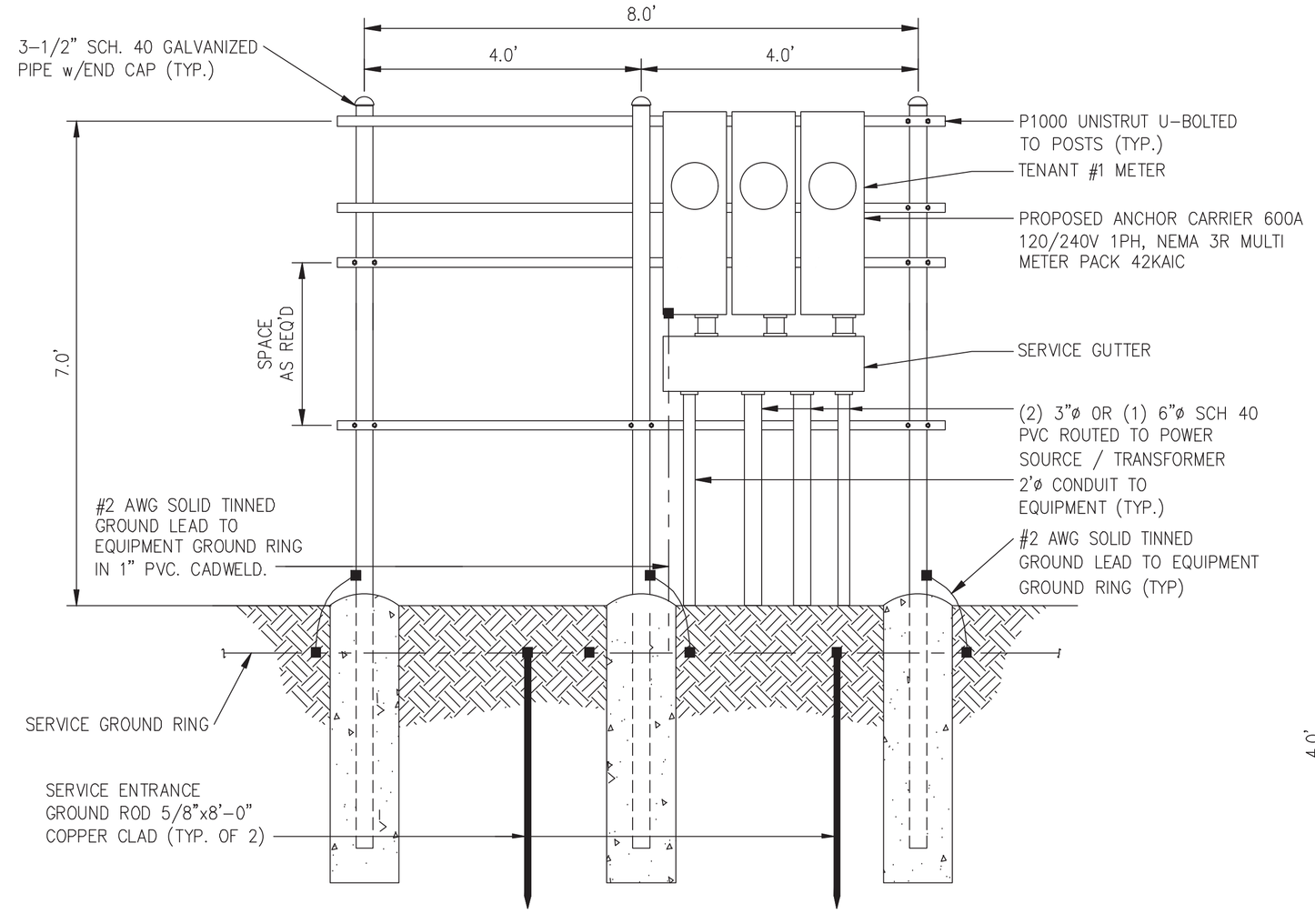
SHEET NUMBER
E-2

ONE-LINE DIAGRAM / PANEL SCHEDULE | NO SCALE | 1

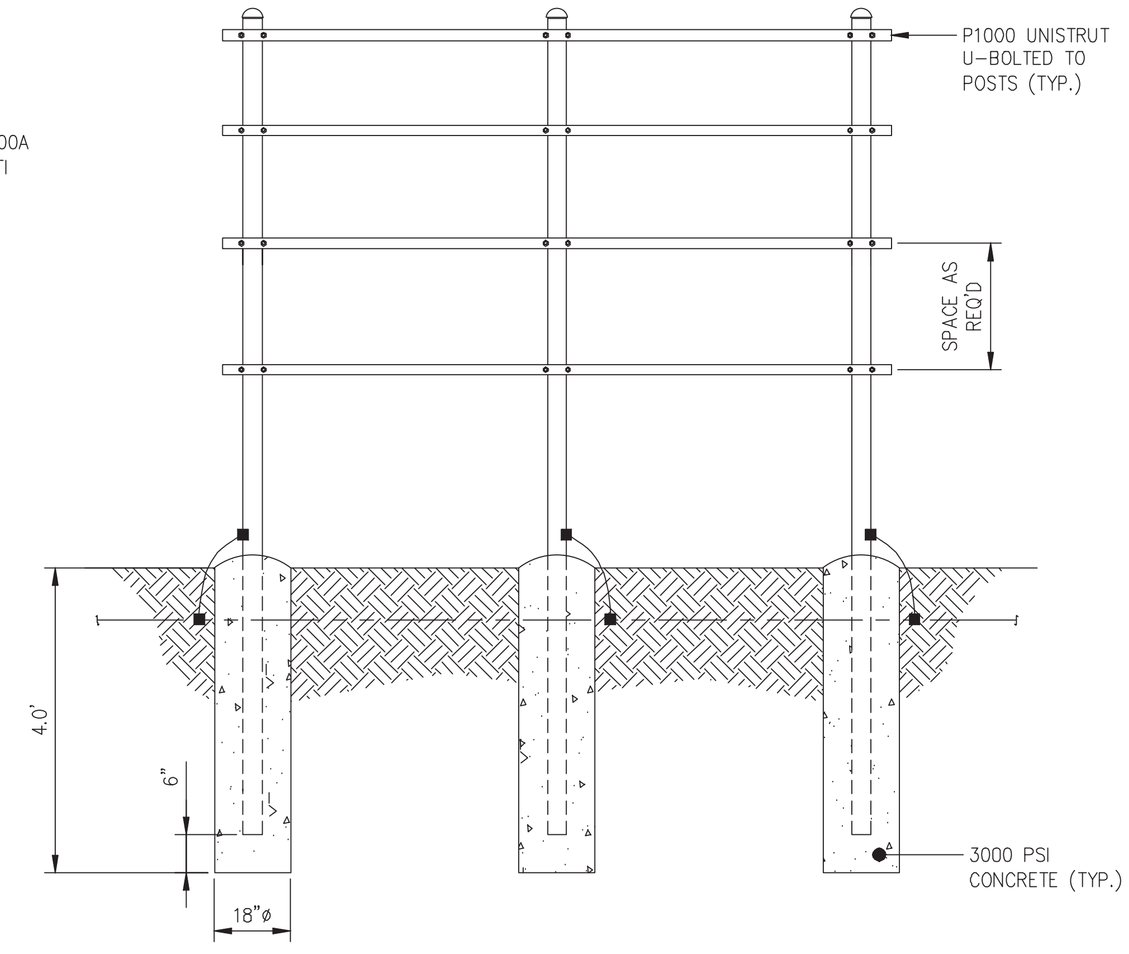
SUP CASE #: SUP-008-24

ELECTRIC SERVICE NOTES:

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (LATEST REVISION). THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATION WHICH WOULD VOID THE U.L. LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
2. COORDINATE ELECTRIC SERVICE WITH LOCAL POWER UTILITY COMPANY. COORDINATE WITH UTILITY FOR METER TYPE AND CONNECTION.
3. ALL CONDUIT SHALL BE SEALED WATERTIGHT UNTIL FINAL TERMINATIONS ARE MADE.
4. PROVIDE PULL CORD IN ALL CONDUITS. SECURE AT EACH END.
5. ADJUST DEPTH OF CONDUITS TO PASS ABOVE GROUNDING SYSTEM.
6. PROVIDE 18 INCH (MIN.) RADIUS ELBOWS FOR ALL BENDS.
7. PROVIDE PHENOLIC ENGRAVED NAMEPLATES AT THE SERVICE DISCONNECT LABELED: "SERVICE DISCONNECT" & "NOTE ENGINE GENERATOR NEUTRAL IS ALSO BONDED TO GROUND AT THE SERVICE DISCONNECT." PROVIDE ADDITIONAL NAMEPLATES NOTING TYPE AND LOCATION OF STANDBY POWER SOURCE.



FRONT



BACK

POWER / TELCO H-FRAME

NO SCALE

1

CLIENT:

vertical bridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

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SCOTTSDALE, AZ 85260
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6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
ELECTRICAL SERVICE DETAILS

SHEET NUMBER
E-3

1 SUP CASE #: SUP-008-24

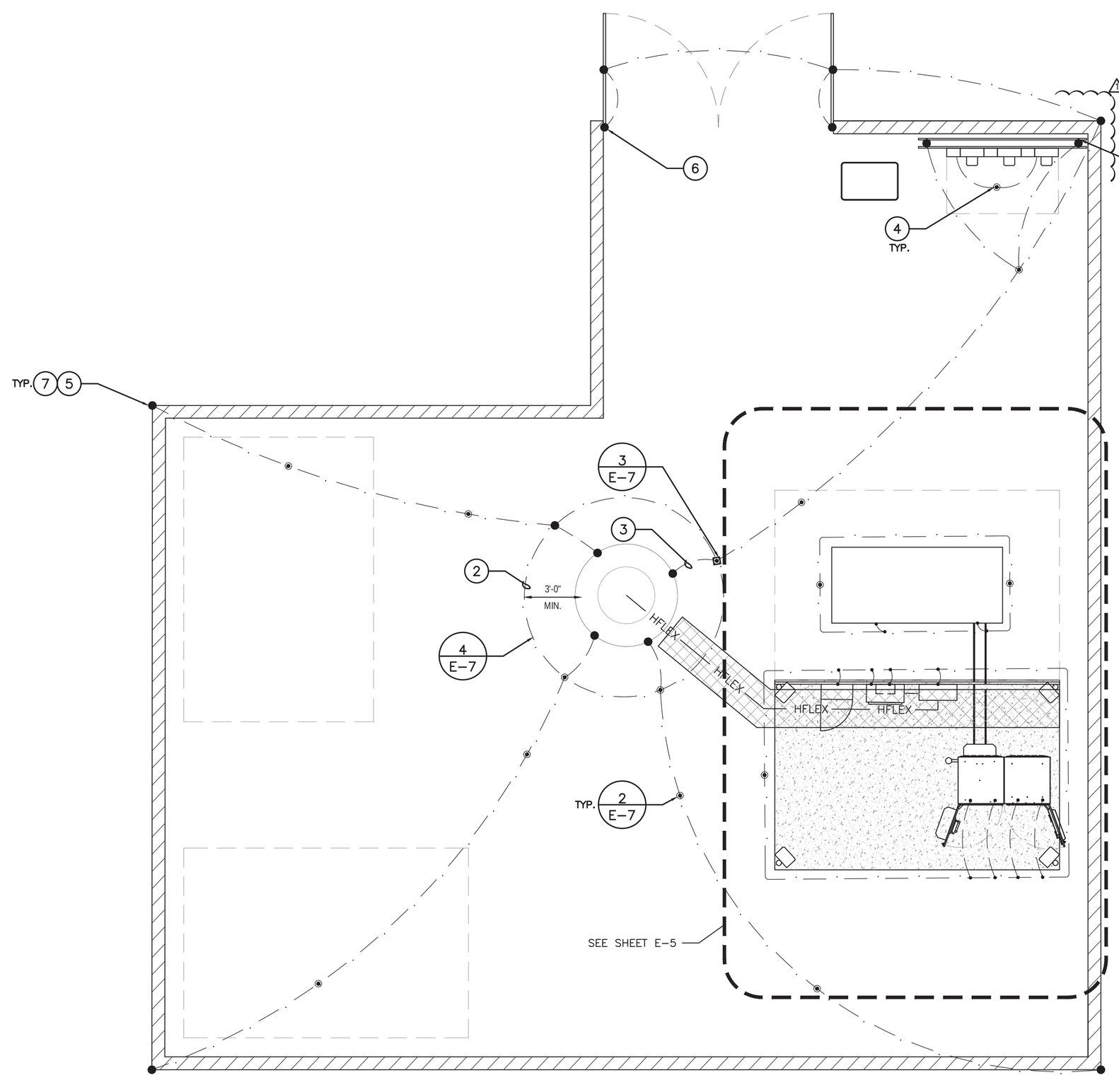
CONSTRUCTION KEYED NOTES:

1. SYSTEM GROUND RESISTANCE SHALL NOT EXCEED 10 OHMS. A THREE POINT SYSTEM RESISTANCE TEST SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH VERTICAL BRIDGE SPECIFICATIONS.
   - A. PERFORM THREE TESTS AT EACH TIME.
   - B. CONTRACTOR SHALL PROVIDE A WRITTEN REPORT CONSISTING OF THE FOLLOWING: SITE NAME, ADDRESS AND IDENTIFICATION NUMBER, DESCRIPTION OF SITE SOIL AND MOISTURE CONDITION, DESCRIPTION OF WEATHER, MODEL NUMBER OF TESTING EQUIPMENT, DATE OF LAST CALIBRATION, SITE SKETCH SHOWING LOCATION OF TEST PROBES AND ALL FIELD DATA COLLECTED (READINGS, RANGE, TEST, MILLIAMPS, ETC.)
   - C. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF THERE ARE ANY DIFFICULTIES PERFORMING SYSTEM RESISTANCE TESTS OR IF MEASUREMENTS ARE ABOVE 10 OHMS. THE CONSTRUCTION MANAGER SHALL PROVIDE INSTRUCTION TO THE CONTRACTOR TO INSTALL ADDITIONAL GROUNDING MEASURES TO MEET THE 10 OHM REQUIREMENT.
2. PROPOSED TOWER GROUND BURIED TO A DEPTH OF 30" OR 6" BELOW THE FRONT LINE, WHICHEVER IS GREATER.
3. BOND PROPOSED TOWER TO TOWER GROUND RING (3 PLACES TOTAL).
4. SERVICE ENTRANCE GROUND ROD.
5. BOND FENCE POSTS TO PROPOSED GROUND RING (TYP.)
6. BOND GATES TO PROPOSED GROUND RING (TYP.)
7. BOND PROPOSED FENCE AND BARDED WIRE TO PROPOSED GROUND RING (TYP.)
8. BOND PROPOSED H-FRAME TO PROPOSED GROUND RING.
9. #12 WIRE TO TOWER BUS BAR.
10. #2 TBCW, FROM NEW EQUIPMENT TO GROUND RING

EXTERIOR GROUNDING NOTES:

1. GROUNDING SHALL CONFORM TO VERTICAL BRIDGE STANDARDS AND BE PER FEDERAL, STATE AND LOCAL CODES. IN THE EVENT OF A CONFLICT, MEET THE MOST STRINGENT REQUIREMENT.
2. GROUND RODS PAST METER SHALL BE COPPER-CLAD STEEL, $\frac{5}{8}$ INCH DIAMETER X 10 FEET IN LENGTH (MIN.)
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4. GROUND RODS SHALL BE SPACED NOT MORE THAN 16'-0" AND NOT LESS THAN 6'-0" APART EXCEPT FOR THE TOWER GROUND RING WHICH SHALL COMPLY WITH TIA/EIA 222 (REV G).
5. CONTRACTOR SHALL ADD ADDITIONAL RODS AND CONDUCTORS OR APPROVED GROUND ENHANCING MATERIAL TO ACHIEVE LESS THAN 10 OMHS RESISTANCE TO GROUND.
6. MAINTIAN 2'-0" (TOWER) AND 3"-0" (SHELTER/EQUIPMENT) BETWEEN GROUND RINGS AND FOUNDATIONS.
7. ALL GROUNDING INSTALLATIONS SHALL BE INSPECTED AND APPROVED BY VERTICAL BRIDGE AND ANY JURISDICTION HAVING INSPECTION AND APPROVAL AUTHORITY (IF REQUIRED) BEFORE PLACING ANY BACKFILL.
8. ALL GROUNDING SPLICES AND CONNECTIONS SHALL MADE BY THE EXOTHERMIC WELD PROCESS (CADWELD OR EQUIVALENT). COST ALL WELDS WITH A ZINC RICH PAINT.

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED.



GROUNDING PLAN

4' 2' 0 4' 8'
1/4"=1'-0"

1

CLIENT:

vertical bridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

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WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:

08/08/2024

REGISTERED ARCHITECT CERTIFICATE NO. 40833 NAVIN PATHANGAY DATE SIGNED Arizona U.S.A.

EXPIRES 6/30/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

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SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
GROUNDING PLAN

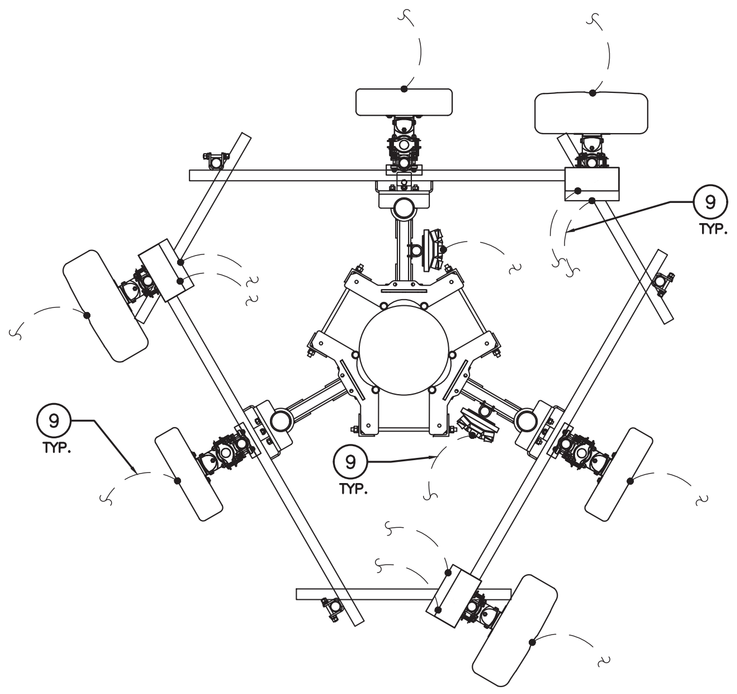
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E-4

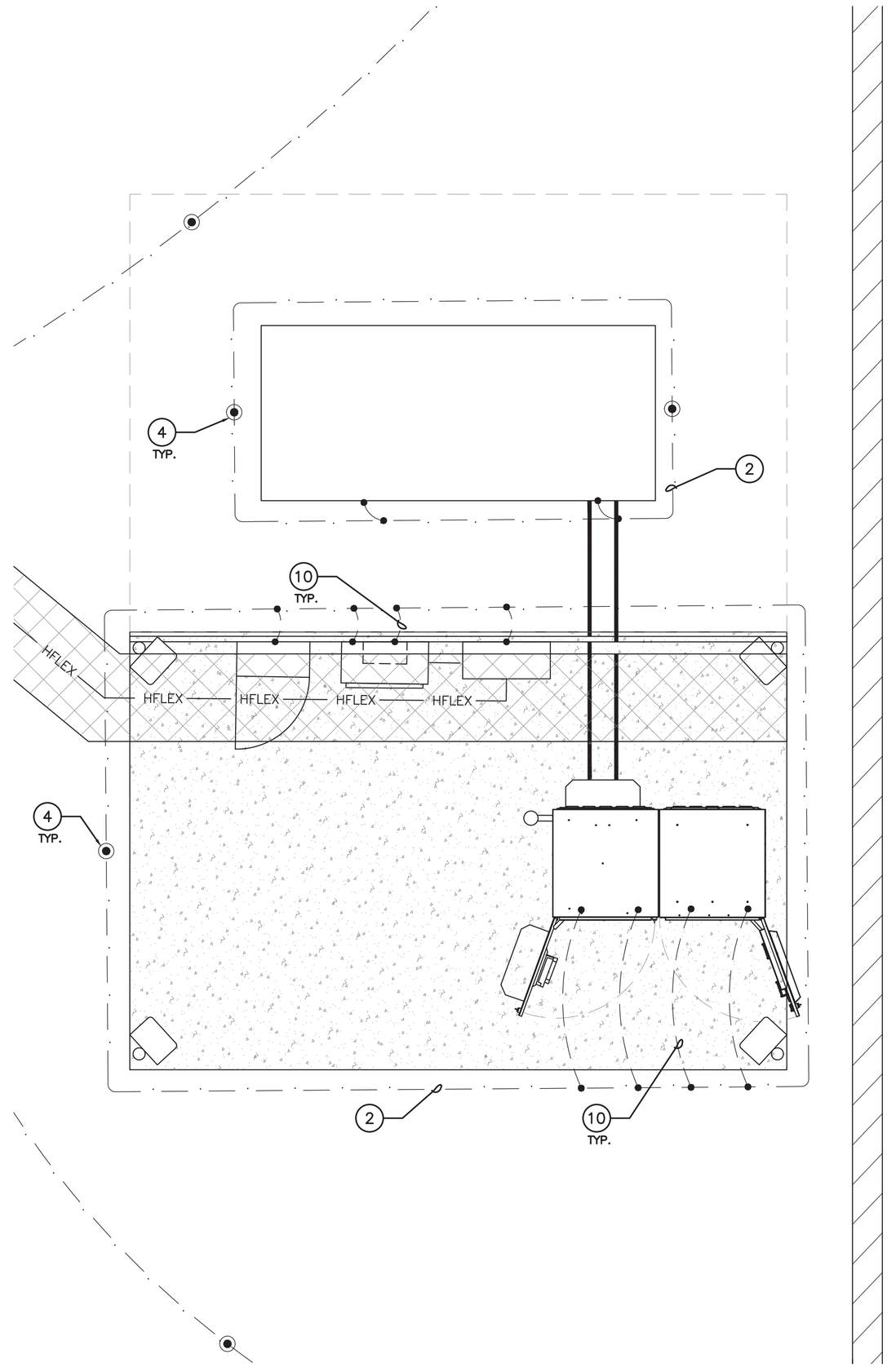
SUP CASE #: SUP-008-24

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EXTERIOR GROUNDING NOTES:

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N

GROUNDING PLAN

12" 6" 0 1' 2' 3' 4' 5'
1/2"=1'-0"

1

CLIENT:
vertical bridge
WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:
State 48 Development Consulting
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SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
GROUNDING PLAN

SHEET NUMBER
E-5

SUP CASE #: SUP-008-24

GENERAL GROUNDING NOTES:

1. ALL GROUND CABLE IN CONCRETE OR THROUGH WALL SHALL BE IN 3/4" PVC CONDUIT. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTOR SLEEVES.
2. GROUND ALL EXPOSED METALLIC OBJECTS USING A TWO-HOLE NEMA DRILLED CONNECTOR SUCH AS THOMAS & BETTS #32207 OR APPROVED EQUAL.
3. THE CONTRACTOR SHALL NOTIFY THE VERTICAL BRIDGE REPRESENTATIVE WHEN THE GROUND RING IS INSTALLED SO THAT THE REPRESENTATIVE CAN INSPECT GROUND RING BEFORE IT IS CONCEALED.
4. ALL EXTERIOR GROUND CONDUCTORS INCLUDING GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE INCLUSIVE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
5. ALL BELOW GROUND EXTERNAL CONNECTIONS SHALL BE EXOTHERMIC ALLY WELDED. ALL EXOTHERMIC WELDS TO BURIED GROUND RING SHALL BE THE PARALLEL, EXCEPT FOR THE GROUND RODS WHICH ARE TEE-TYPE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZED SUCH AS HOLUB LECTROSOL #15-501.
6. WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF A CONDUCTIVE ANTI-OXIDE COMPOUND ON ALL CONNECTORS. PROVIDE LOCK WASHERS ON ALL MECHANICAL CONNECTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT. THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTORS, REPAINT TO MATCH EXISTING AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE. ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE TYPES OF METALS BEING ATTACHED TO.
7. THE CONTRACTOR SHALL COORDINATE AS REQUIRED TO HAVE UTILITY COMPANY REPRESENTATIVE AT THE SITE TO DISCONNECT THE UTILITY NEUTRAL FROM GROUNDING SYSTEM DURING FINAL INSPECTION SO THAT REQUIRED TESTING ON THE GROUND SYSTEM CAN BE PERFORMED. THE CONTRACTOR SHALL PROVIDE NOTICE TO THE VERTICAL BRIDGE REPRESENTATIVE (TWO) DAYS PRIOR TO FINAL TESTING. IF THE CONTRACTOR FAILS TO MAKE UTILITY COMPANY REPRESENTATIVE AVAILABLE DURING THE FINAL TESTING, THE CONTRACTOR SHALL PAY THE COST FOR AN INDEPENDENT GROUNDING CONSULTANT TO PERFORM THE GROUND RESISTANCE TEST. GROUNDING CONSULTANT SHALL BE SELECTED BY THE VERTICAL BRIDGE REPRESENTATIVE. IF THE UTILITY COMPANY REPRESENTATIVE FAILS TO APPEAR DUE TO NO FAULT THE CONTRACTOR, NO PENALTY APPLY.
8. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
9. THE GROUND CONDUCTORS SHALL BE RUN STRAIGHT FOR MINIMUM INDUCTANCE AND VOLTAGE DROP. SINCE CABLE BENDS INCREASE INDUCTANCE, THE MINIMUM REQUIRED BENDING RADIUS IS 8 INCHES WHEN BENDS ARE UNAVOIDABLE. ALL METAL WORK WITHIN 10 FEET OF THE GROUND RING SHALL BE DIRECTLY BONDED TO THIS GROUND SYSTEM, WITHOUT USING SERIES OR DAISY CHAIN CONNECTION ARRANGEMENTS.
10. PAINT, ENAMEL, LACQUER AND OTHER ELECTRICALLY NON-CONDUCTIVE COATINGS SHALL BE REMOVED FROM THREADS AND SURFACE AREAS WHERE CONNECTIONS ARE MADE TO ENSURE GOOD ELECTRICAL CONTINUITY.
11. CONNECTIONS BETWEEN DISSIMILAR METALS SHALL NOT BE MADE UNLESS THE CONDUCTORS ARE SEPARATED BY A SUITABLE MATERIAL THAT IS A PART OF THE ATTACHMENT DEVICE LISTED AND APPROVED FOR USE WITH THE SPECIFIC DISSIMILAR METALS MAY BE USED FOR THE PURPOSE.
12. ALL BELOW GRADE GROUND SYSTEM CONDUCTORS SHALL BE A MINIMUM DEPTH OF 30" (OR 6" BELOW THE FROST LINE, WHICHEVER IS GREATER).
13. CONTRACTOR TO COORDINATE WITH TOWER CONTRACTOR TO PROVIDE, RUN AND TERMINATE POWER & CONTROL WIRES WITHIN CONDUITS FROM LIGHTING CONTROLLER TO ELECTRICAL AND CONTROL PANELS.
14. INTERMEDIATE COAX GROUNDING TO BE INSTALLED ON VERTICAL RUNS THAT EXCEED 200 FEET IN LENGTH. CONTRACTOR SHALL COORDINATE WITH VERTICAL CONSTRUCTION MANAGER ON LOCATION OF INTERMEDIATE GROUNDING LOCATION.

CLIENT:

vertical bridge

WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:

State 48 Development Consulting

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SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

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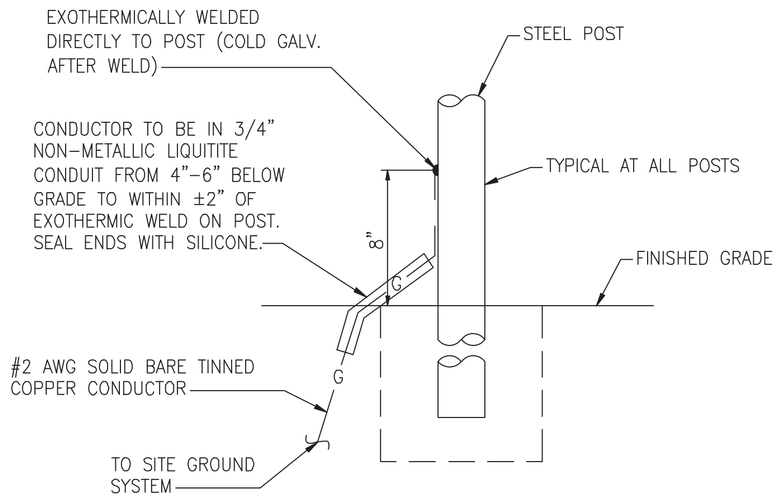
SHEET TITLE

GROUNDING NOTES

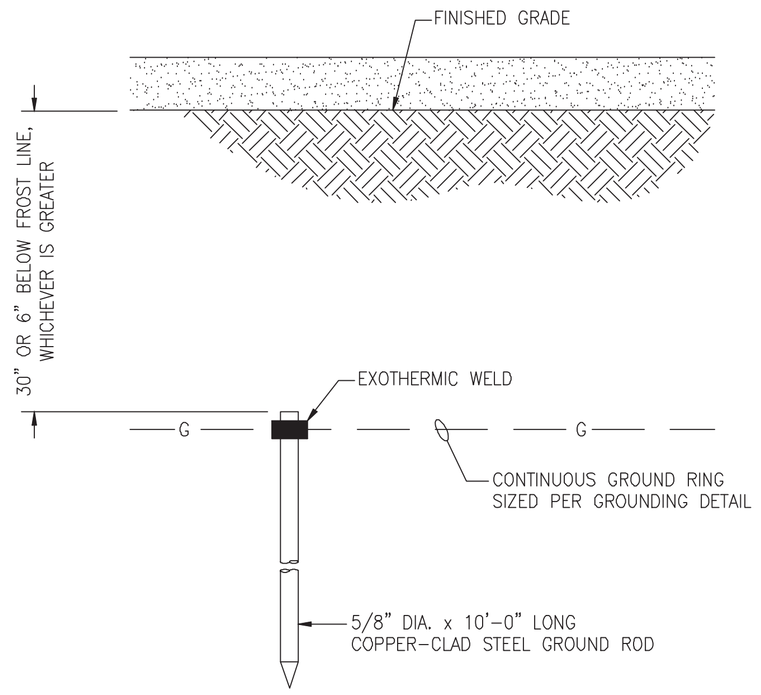
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E-6

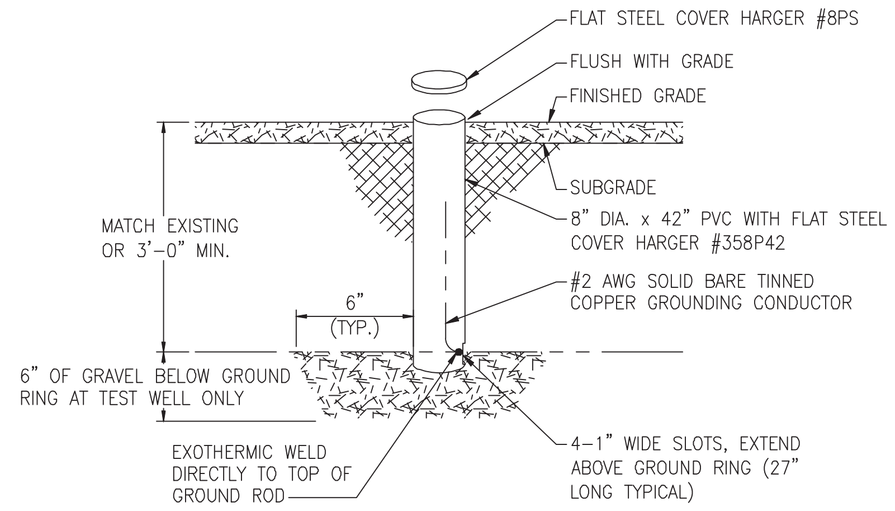
1 SUP CASE #: SUP-008-24



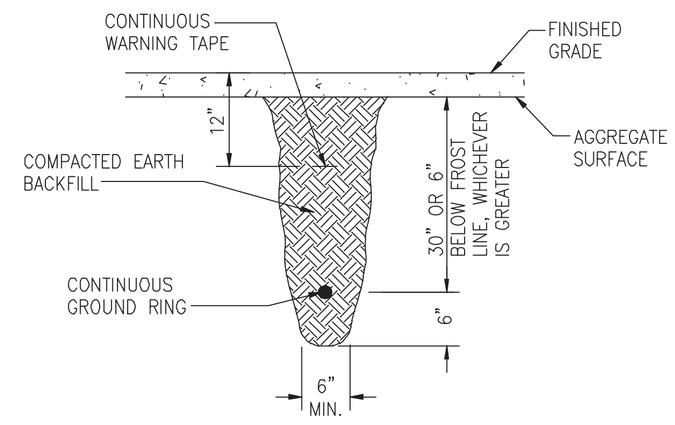
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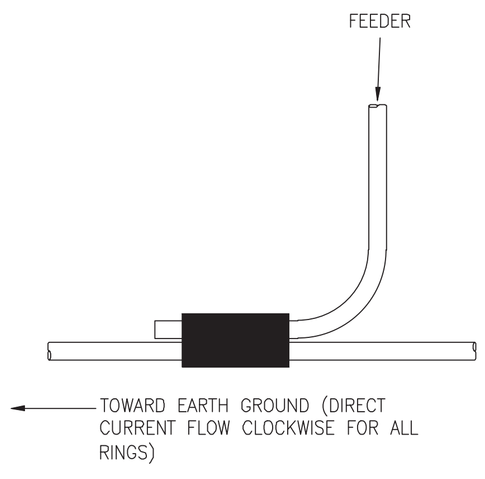
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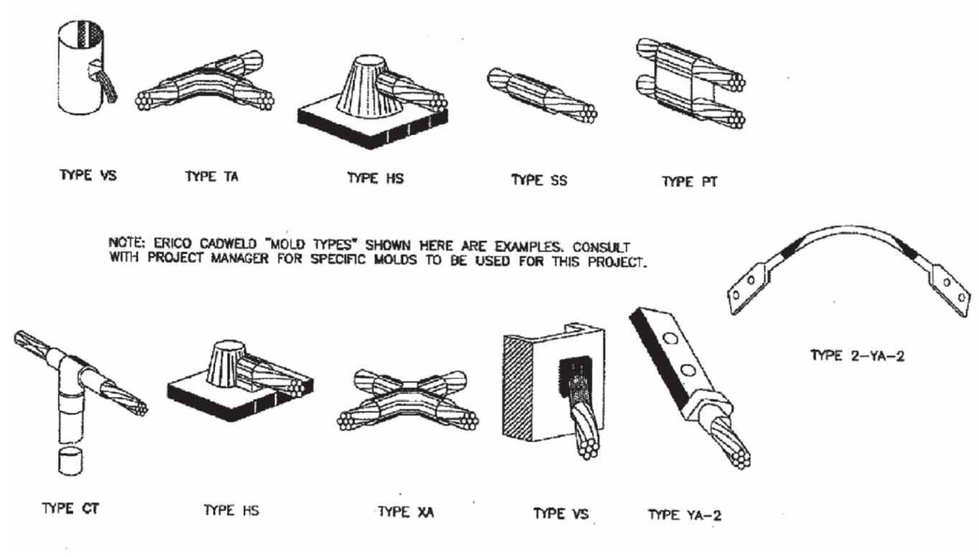
GROUND TEST WELL DETAIL | NO SCALE | 3



TRENCH DETAIL FOR GROUND RING | NO SCALE | 4



GROUND CONDUCTOR CONNECTION | NO SCALE | 5



EXOTHERMIC WELD DETAILS | NO SCALE | 6

CLIENT:

vertical bridge

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SHEET TITLE

GROUNDING DETAILS

SHEET NUMBER

E-7

1 SUP CASE #: SUP-008-24

GENERAL NOTES

1. THE CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE ALL ITEMS DEFINED IN THE CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: THE CONTRACT, SPECIFICATIONS AND CONSTRUCTION DRAWINGS.
2. ALL EQUIPMENT SUPPLIED BY THE OWNER SHALL BE PICKED UP BY THE CONTRACTOR AT THE APPROPRIATE WAREHOUSE.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK.
4. THE CONTRACTOR SHALL PROVIDE ON-SITE SUPERVISION AT ALL TIMES WHILE THE WORK IS BEING PERFORMED AND SHALL DIRECT ALL WORK, USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES AND SEQUENCES FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE TO REVIEW THE SCOPE OF WORK AND EXISTING JOB SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, MECHANICAL, ELECTRICAL SERVICE AND OVERALL COORDINATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SUBMITTING HIS BID. ANY DISCREPANCIES, CONFLICTS OR OMISSIONS, ETC., SHALL BE REPORTED TO THE TENANT CONSTRUCTION SUPERVISOR BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACTOR SHALL PROTECT ALL AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. ANY DAMAGE TO PROPOSED AND EXISTING CONSTRUCTION, STRUCTURE, LANDSCAPING OR EQUIPMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE TENANT, BUILDING OWNER OR OWNER'S REPRESENTATIVE AT THE EXPENSE OF THE CONTRACTOR.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREON OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSES FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETED.
9. THE CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED BY THE CITY OR GOVERNING AGENCY.
10. THE CONTRACTOR AND ALL SUBORDINATE CONTRACTORS SHALL COMPLY WITH ALL LOCAL AND STATE REGULATIONS.
11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS, LICENSES AND INSPECTIONS NECESSARY FOR PERFORMANCE OF THE WORK AND INCLUDE THOSE IN THE COST OF THE WORK TO TENANT. 12. FIGURED DIMENSIONS HAVE PRECEDENCE OVER DRAWING SCALE, AND DETAIL DRAWINGS HAVE PRECEDENCE OVER SMALL DRAWINGS. CHECK ACCURACY OF ALL DIMENSIONS IN THE FIELD. UNLESS SPECIFICALLY NOTED, DO NOT FABRICATE ANY MATERIALS OFF SITE, NOR DO ANY CONSTRUCTION UNTIL THE ACCURACY OF DRAWING DIMENSIONS HAVE BEEN VERIFIED AGAINST ACTUAL FIELD DIMENSIONS.
13. THE CONTRACTOR SHALL NOTIFY THE TENANT CONSTRUCTION SUPERVISOR OF ANY CONFLICTS OR DISCREPANCIES IN THE CONTRACT DOCUMENTS OR FIELD CONDITIONS PRIOR TO EXECUTING THE WORK IN QUESTION.
14. THE CONTRACTOR SHALL NOTIFY THE TENANT CONSTRUCTION SUPERVISOR IF DETAILS ARE CONSIDERED UNSOUND, UNSAFE, NOT WATERPROOF, OR NOT WITHIN CUSTOMARY TRADE PRACTICE. IF WORK IS PERFORMED, IT WILL BE ASSUMED THAT THERE IS NO OBJECTION TO THE DETAIL. DETAILS ARE INTENDED TO SHOW THE END RESULT OF THE DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS, AND SHALL BE INCLUDED AS PART OF THE WORK.
15. EXISTING ELEVATIONS AND LOCATIONS TO BE JOINED SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION. IF THEY DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE TENANT CONSTRUCTION SUPERVISOR SO THAT MODIFICATIONS CAN BE MADE BEFORE PROCEEDING WITH THE WORK.
16. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING THEIR EXACT MEANING, THE TENANT CONSTRUCTION SUPERVISOR SHALL BE NOTIFIED FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
17. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS OR OTHER SUPPORT FOR ALL OTHER ITEMS REQUIRING THE SAME.
18. CITY APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. AT ALL TIMES THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.
19. DESIGN DRAWINGS ARE DIAGRAMMATIC ONLY AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION CONDITIONS WILL PERMIT. ANY ERROR, OMISSION, OR DESIGN DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE T -MOBILE CONSTRUCTION SUPERVISOR FOR CLARIFICATION OR CORRECTION BEFORE CONSTRUCTION.
20. AS-BUILTS REQUIREMENTS: DO NOT USE RECORD DOCUMENTS FOR CONSTRUCTION PURPOSES. PROTECT RECORD DOCUMENTS FROM DETERIORATION AND LOSS IN A SECURE, FIRE-RESISTANT LOCATION. PROVIDE ACCESS TO RECORD DOCUMENTS FOR THE TENANT CONSTRUCTION SUPERVISOR'S REFERENCE DURING NORMAL WORKING HOURS. MAINTAIN A CLEAN, UNDAMAGED SET OF BLUE OR BLACK LINE PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK THE SET TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES SUBSTANTIALLY FROM THE WORK AS ORIGINALLY SHOWN. MARK WHICH DRAWINGS IS MOST CAPABLE OF SHOWING CONDITIONS FULLY AND ACCURATELY. WHERE SHOP DRAWINGS ARE USED, RECORD A CROSS-REFERENCE AT THE CORRESPONDING LOCATION ON THE CONTRACT DRAWINGS. GIVE PARTICULAR ATTENTION TO CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO MEASURE AND RECORD AT A LATER DATE. MARK RECORD SETS WITH RED ERASABLE PENCIL. USE OTHER COLORS TO DISTINGUISH BETWEEN VARIATIONS IN SEPARATE CATEGORIES OF THE WORK. MARK PROPOSED INFORMATION THAT IS IMPORTANT TO THE OWNER BUT WAS NOT SHOWN ON THE CONTRACT DRAWINGS, DETAILS OR SHOP DRAWINGS. NOTE RELATED CHANGE ORDER NUMBERS WHERE APPLICABLE. NOTE RELATED RECORD DRAWING INFORMATION AND PRODUCT DATA. UPON COMPLETION OF THE WORK, SUBMIT ONE (1) COMPLETE SET OF RECORD DOCUMENTS TO THE TENANT CONSTRUCTION SUPERVISOR FOR THE OWNER'S RECORDS.

PART 1: GENERAL

1.1 SCOPE: CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUB GRADE PREPARATION, FINISH GRADING AND SECURITY FENCE, AS REQUIRED BY CONSTRUCTION DRAWINGS AND DETAIL DRAWINGS.
1.2 REFERENCES
A. DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR THE STATE IN WHICH THE PROJECT IS LOCATED.
B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS)
C. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION) D. AASHTO (AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS)
1.3 INSPECTION AND TESTING
A. FIELD TESTING OF EARTHWORK, AGGREGATE BASE COURSE, COMPACTION, AND CONCRETE TESTING SHALL BE PERFORMED BY THE CONTRACTOR'S INDEPENDENT TESTING LAB.
B. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE TENANT CONSTRUCTION SUPERVISOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF THE WORK INACCESSIBLE OR DIFFICULT TO INSPECT.
1.4 SITE MAINTENANCE AND PROTECTION
A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF THE WORK UNTIL COMPLETION OF THE CONTRACT.
B. CONTACT THE ONE-CALL UTILITY LOCATION SERVICE PRIOR TO ANY EXCAVATING ACTIVITIES TO HAVE LOCATIONS OF UNDERGROUND UTILITIES VERIFIED.
C. AVOID DAMAGE TO THE SITE INCLUDING EXISTING FACILITIES, STRUCTURES, TREES AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACSIMILES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
D. KEEP SITE FREE OF ALL PONDING WATER.
E. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS FOR THE STATE IN WHICH THE PROJECT IS LOCATED.
F. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT LIFE AND PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
PART II: PRODUCTS
2.1 SUITABLE BACK FILL: EXCAVATED INORGANIC MATERIAL, COHESIVE AND NON-COHESIVE MATERIALS, INCLUDING GRAVEL, SAND, INORGANIC LEAN CLAY, GRAVEL SILT, GRAVEL CLAY, SAND CLAY, SAND SILT OR SILT CLAY MATERIAL FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3-INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL OR FILL MATERIAL AS DETERMINED BY THE TENANT CONSTRUCTION SUPERVISOR AND GEOTECHNICAL ENGINEER.
2.2 UNSUITABLE MATERIALS: TOP SOIL, HIGH AND MODERATELY PLASTIC SILTS AND CLAY, MATERIAL CONTAINING REFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3-INCHES IN ANY DIMENSION AND DEBRIS AS DETERMINED BY THE CONSTRUCTION SUPERVISOR AND T -MOBILE GEOTECHNICAL ENGINEER. TYPICALLY, THESE WILL BE SOILS CLASSIFIED AS PT, MH, CH, OH, ML OR OL.
2.3 GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUIVALENT
2.4 PLASTIC MARKING TAPE: SHALL BE ACID- AND ALKALI-RESISTANT POLYETHYLENE FILM, SPECIFICALLY MANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6-INCHES WIDE WITH A MINIMUM THICKNESS OF 0.004-INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND MANUFACTURED WITH INTEGRAL WIRES,FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A METAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED IN A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.
2.5 SECURITY FENCE
A. PROVIDE AND INSTALL THE GALVANIZED FENCE WITH ASSOCIATED POSTS, RAILS, BRACES, FABRIC, TERMINAL POST, GATES, DROP BAR AND BARBED WIRE. USE APPLICABLE PROVISIONS OF ASTM FOR MATERIALS.
B. FABRIC SHALL BE HEAVY GALVANIZED CHAIN LINK FENCE, CONFORMING TO ASTM A392 2-INCH MESH 9 GAUGE WIRE (0.148 INCHES IN DIAMETER) WITH THE TOP AND BOTTOM SELVAGES TWISTED AND BARBED.
C. POSTS
1. LINE POST FOR FABRIC UP TO 8 FEET HIGH SHALL BE 2-3/8 INCH O.D.
2. END CORNER, PULL POST AND GATE POST SHALL BE 2-7/8 INCH O.D. ALL POSTS SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE IN ACCORDANCE WITH ASTM.I A 12D, A570 AND A525. FOR FENCE OVER 8 FEET HIGH, SIZE POST ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
D. TOP RAILS SHALL CONFORM TO 1-1/4 INCH (1.66 INCH O.D.), SCHEDULE 40 GALVANIZED STEEL PIPE IN ACCORDANCE WITH ASTM4 A12D.
E. TENSION WIRE SHALL BE 7 GAUGE U.S. STEEL WIRE GALVANIZED IN ACCORDANCE WITH ASTM A116, COATING CLASS III.
F. BRACE BANDS, TENSION BANDS AND TENSION BARS SHALL BE FABRICATED OF 1/8 INCH BY 7/B INCH GALVANIZED STEEL WITH GALVANIZED STEEL CARRIAGE BOLTS AND NUTS IN ACCORDANCE WITH ASTM4 A123. TENSION BARS SHALL BE 1/4 INCH BY 3/4 INCH GALVANIZED STEEL BAR IN ACCORDANCE WITH ASTM A153.
G. FABRIC TIES SHALL BE CLASS I GALVANIZED STEEL WIRE NO LESS THAN 9 GAUGE.
H. POST TOPS SHALL BE PRESSED STEEL OR MALLEABLE IRON AND SHALL BE GALVANIZED PER ASTM A15J. I. BARBED WIRE SHALL CONSIST OF DOUBLE STRANDED 12 1/2 GAUGE WIRE ASTM A121, CLASS 3 WITH 4-POINT BARBS SPACED 5 INCHES APART. THE TOP 1 FOOT OF THE FENCE SHALL CONSIST OF 3 STRANDS OF BARBED WIRE ATTACHED TO 45 DEGREE ANGLE, HEAVY-PRESSED ARMS CAPABLE OF WITHSTANDING WITHOUT FAILURE 250 POUNDS DOWNWARD PULL AT THE OUTERMOST END OF THE ARM
J. GATE MATERIALS, SUCH AS FABRIC, BOLTS, NUTS, TENSION BARS AND BARBED WIRE SHALL BE CONSISTENT WITH FENCE MATERIALS.
PART III: EXECUTION
3.1 GENERAL
A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE WELL DRAINED AT ALL TIMES.
B. PERFORM ALL SURVEY, LAYOUT, STAKING AND MARKING TO ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.
C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE AND ONLY THE IMMEDIATE SURROUNDINGS NECESSARY TO COMPLETE THE WORK. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED AND GRUBBED.
1. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12-INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS AND OTHER DEBRIS, BRUSH AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE. RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6-INCHES, AND REMOVE UP TO A DEPTH OF 12-INCHES All ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
2. REMOVE TOPSOIL MATERIALS COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER EXCAVATED MATERIALS. TOPSOIL SHALL BE STOCKPILED SEPARATELY FOR REUSE, AS DIRECTED BY THE CONSTRUCTION SUPERVISOR.
3. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION COMPLETELY WITH SUITABLE FILL.
D. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL All DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING IS NOT PERMITTED.
E. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS, AND ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, CULVERT, STREAM CROSSING OR OTHER ITEM NOT SHOWN THAT MIGHT AFFECT OR INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE TENANT CONSTRUCTION SUPERVISOR OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
F. SEPARATE AND STOCKPILE All EXCAVATED MATERIALS SUITABLE FOR BACK FILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF IN AN AREA DESIGNATED BY THE TENANT CONSTRUCTION SUPERVISOR. (UNSUITABLE MATERIAL MAY BE REQUIRED TO BE REMOVED FROM THE SITE.)
3.2 STRUCTURAL EXCAVATION
A. FOUNDATION EXCAVATIONS SHALL BE CUT TO FIRM MATERIAL HAVING A SAFE BEARING VALUE OF 3000 PSF AND SHALL BE FREE OF ALL LOOSE AND WET MATERIALS. IF THE BOTTOM OF THE EXCAVATION IS NOT FIRM AND STABLE, OVER-EXCAVATE AN ADDITIONAL 12 INCHES, COMPACT SUB-GRADE AND FILL WITH 12 INCHES OF SELECT STRUCTURAL FILL.
B. AFTER EXCAVATION, THE EXPOSED SOILS SHALL BE INSPECTED AND TESTED AND ANY UNSUITABLE DEPOSITS REMOVED AS DIRECTED TO REACH SUITABLE BEARING SOIL ALL OVER-EXCAVATED AREAS SHALL. BE BACK FILLED WITH SELECT STRUCTURAL FILL OR WITH LEAN CONCRETE FILL TO THE ELEVATION OF THE BOTTOM OF FOOTING OR FOUNDATION AS INDICATED ON THE DRAWINGS.
C. PRIOR TO PLACEMENT OF CONC. FOUNDATIONS, THE SURFACE ON WHICH THE CONCRETE IS TO BE PLACED SHALL. BE COMPACTED TO A MINIMUM OF 95%%% OF THE MODIFIED PROCTOR DENSITY BY THE MODIFIED PROCTOR TEST, ASTM4 D1557.
D. NO FOUNDATIONS OR STRUCTURES SHALL BE CONSTRUCTED UNTIL THE BASE MATERIALS HAVE BEEN INSPECTED BY THE TENANT CONSTRUCTION SUPERVISOR.
3.3 STRUCTURAL FILL: All COMPACTED FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING A LOOSE THICKNESS AND COMPACTED TO A MINIMUM DENSITY OF 95%%% OF THE MODIFIED PROCTOR DENSITY OBTAINED IN ACCORDANCE WITH ASTM4 D-1557.
3.4 BACK FILL AS SOON AS PRACTICAL AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISH GRADE.
1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL HAVE BEEN REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS AND UNSUITABLE MATERIALS.
2. BACK FILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL, WHEN REQUIRED, IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCH LOOSE THICKNESS. WHERE HAND-OPERATED COMPACTORS ARE USED, THE FILL MATERIALS SHALL BE PLACED IN LIFTS NOT TO EXCEED FOUR INCHES IN LOOSE DEPTH.
3. WHENEVER THE DENSITY TESTS INDICATE THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER OR INCREASING THE COMPACTIVE EFFORT. B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 90%%% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST C. DO NOT PLACE UNTIL THE CONCRETE HAS CURED FOR AT LEAST 7 DAYS OR COMPRESSIVE STRENGTH TESTS INDICATE THAT THE CONCRETE HAS ACHIEVED MORE THAN BOX OF ITS SPECIFIED 28 DAY COMPRESSIVE STRENGTH.
3.5 TRENCH EXCAVATION
A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE TENANT CONSTRUCTION SUPERVISOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WAII.S.
B. THE TRENCH WIDTH EXTENDS A MINIMUM OF 6 INCHES BEYOND EACH OUTSIDE EDGE OF THE CONDUIT OR OUTERMOST CONDUIT, WHICHEVER IS APPLICABLE. C. WHEN SOFT, YIELDING OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED AT THE REQUIRED TRENCH BOTTOM ELEVATION, OVER-EXCAVATE THE TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND BACKFILL WITH GRANULAR BEDDING MATERIAL.
3.6 TRENCH BACK FILL
A. PROVIDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS, DRAWINGS AND THE UTILITY REQUIREMENTS.
B. NOTIFY THE TENANT CONSTRUCTION SUPERVISOR 24 HOURS IN ADVANCE OF BACK FILLING
C. CONDUCT UTILITY CHECK TESTS BEFORE BACK FILLING BACK FILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACES AROUND THE CONDUITS.
E. PROTECT CONDUIT FROM LATERAL MOVEMENT, DAMAGE FROM IMPACT OR UNBALANCED LOADING.
F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 9-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95%%% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D1557
3.7 AGGREGATE ACCESS ROAD AND SITE
A. CLEAR, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD AND TOWER COMPOUND TO THE LINES AND GRADES INDICATED ON THE DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL ALL HOLES, RUTS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED.
B. THE ENTIRE SUB GRADE SHALL BE COMPACTED TO NOT LESS THAN 95:2:OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM D 1557.
C. AFTER PREPARATION OF THE SUB GRADE IS COMPLETED, THE GEOTEXTILE FABRIC SHALL BE INSTALLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY ALONG THE ROADWAY OR SITE. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUB GRADE PLACE THE ENTIRE ROLL IN A SINGLE OPERATION, ROLLING THE MATERIAL AS SMOOTHLY AS POSSIBLE.
1. OVERLAPS PARALLEL TO THE ROADWAY AND SITE WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS BEYOND THE ROADWAY OR SITE SURFACE WIDTH (I.E., WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL OVERLAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS SHALL BE A MINIMUM OF 3 FEET WIDE.
2. TRANSVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN THE DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM LENGTH OF 3 FEET.
3. ALL OVERLAPS SHALL. BE PINNED WITH STAPLES OR NAILS BETWEEN 10 AND 12 INCHES LONG TO INSURE STABLE POSITIONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25-FOOT CENTERS AND TRANSVERSE SEAMS EVERY 5 FEET ON CENTER.
D. THE AGGREGATE SUB BASE, BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 INCHES (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE END-DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED AGGREGATE. AT NO TIME SHALL EQUIPMENT, EITHER DUMPING THE AGGREGATE OR GRADING THE AGGREGATE, BE PERMITTED ON THE ROADWAY OR COMPOUND WITH LESS THAN 8 INCHES OF MATERIAL COVERING THE FABRIC.
E. THE AGGREGATE SUB BASE AND BASE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95%%% OF THE MAXIMUM DRY DENSITY AS PROVIDED BY THE MODIFIED PROCTOR TEST, ASTM4 D 1557.
3.8 FINISH GRADING
A. PERFORM ALL FINISHED GRADING TO PROVIDE SMOOTH, EVEN SURFACE AND SUBSURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
B. UTILIZE SATISFACTORY FILL MATERIALS RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR THE REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
C. REPAIR All ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.
3.9 SECURITY FENCE
A. THE BOTTOM OF THE FENCE SHALL BE 2 INCHES BELOW THE TOP OF THE COMPOUND GRAVEL IF THE SITE CROSSES FEATURES SUCH AS DRAINAGE DITCHES, ETC., THE FENCE SHALL SPAN THE DEPRESSION. CLOSE THE SPACE BELOW THE BOTTOM OF THE FENCE WITH EXTRA FENCE FABRIC OR BARBED WIRE AS DIRECTED BY THE TENANT CONSTRUCTION SUPERVISOR. PRIOR TO PLACING COMPONENTS SUCH AS FABRIC, RAILS, TENSION WIRE AND GATES, ENSURE THAT THE CONCRETE POST FOUNDATION HAS REACHED AT LEAST 75%%% OF ITS DESIGN STRENGTH OR HAS CURED A MINIMUM OF 7 DAYS AFTER SETTING THE POST.
B. FURNISH GATES WITH NECESSARY FITTINGS AND HARDWARE. HINGES SHALL ALLOW SWING GATES TO SWING 180 DEGREES. PLUNGER BARS SHALL HAVE TOP, BOTTOM AND MIDDLE LOCKING POINTS WITH THE MIDDLE POINT ARRANGED FOR PADLOCKING. GATES SHALL HAVE KEEPERS ON EACH LEAF THAT ENGAGE AUTOMATICALLY WHEN THE GATE IS SWUNG OPEN. REPAIR GALVANIZED COATING DAMAGED IN THE FIELD WITH METHODS AND TECHNIQUES AS RECOMMENDED BY THE MANUFACTURER.

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LICENSURE:
08/08/2024
REGISTERED ARCHITECT
CERTIFICATE NO.
40833
NAVIN PATHANGAY
DATE SIGNED
Arizona U.S.A.
EXPIRES 6/30/2025

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
1	05/20/2024	CITY COMMENTS
2	06/17/2024	RAD CENTER UPDATE
3	07/23/2024	CLIENT COMMENTS
4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

SUP CASE #: SUP-008-24

PROJECT SPECIFICATION 16000 (ELECTRICAL)
PART 1: GENERAL
1.1 SCOPE' THIS SPECIFICATION DESCRIBES THE MINIMUM REQUIREMENT FOR INSTALLATION OF ALL ELECTRICAL SYSTEMS.
1.2 REFERENCES: THE PUBLICATIONS LISTED BELOW FORM PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION, UNLESS NOTED OTHERWISE. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN, OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THESE PUBLICATIONS.
A. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
B. NESC (NATIONAL ELECTRICAL SAFETY CODE), LATEST EDITION
C. NEC (NATIONAL ELECTRICAL CODE), LATEST EDITION
D. NFPA 70 (NATIONAL FIRE PROTECTION ASSOCIATION)
E. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION), INCLUDING ALL APPLICABLE AMENDMENTS
F. U.L. (UNDERWRITERS LABORATORIES)
1.3 SYSTEM DESCRIPTION
A. DESIGN REQUIREMENTS: THE CONTRACTOR SHALL INSTALL UNDERGROUND ELECTRICAL AND TELEPHONE CONDUITS AND CABLE AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS.
B. PERFORMANCE REQUIREMENTS: WHEN FINISHED, WORK SHALL BE IN A COMPLETE AND UNDAMAGED STATE, AS REQUIRED IN THE CONTRACT DOCUMENTS.
PART II: PRODUCTS
2.1 GENERAL
A. ITEMS SHALL BE PROPOSED AND SHALL BE INSTALLED ONLY IF IN FIRST-CLASS CONDITION.
B. SUBSTITUTIONS FOR MATERIAL WILL BE PERMITTED ONLY BY WRITTEN APPROVAL OF THE TENANT CONSTRUCTION SUPERVISOR.
2.2 MATERIALS: THE CONTRACTOR SHALL PROVIDE ALL MATERIAL EXCEPT AS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL MATERIAL SHALL BE APPROVED AND LISTED BY OR BEAR THE U.L. LABEL, AND WILL COMPLY WITH ANSI, IEEE AND NEMA STANDARDS WHERE APPLICABLE.
A. CONDUITS:
1. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC, SIZED AS SHOWN ON THE CONSTRUCTION DRAWINGS.
2. ALL EXTERIOR ABOVEGROUND CONDUIT SHALL BE PER LOCAL CODE REQUIREMENTS.
3. ALL INTERIOR CONDUIT SHALL BE EMT WITH COMPRESSION-TYPE FITTINGS.
4. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED FOR OUTDOOR LOCATIONS WHERE FLEXIBLE CONNECTION IS REQUIRED.
B. CABLES CONDUCTORS FOR GENERAL WIRING SHALL BE NEC STANDARD ANNEALED COPPER WIRE WITH NEC 600 VOLT INSULATION.
1. #8 AND LARGER-STRANDED TYPE, THHN OR THWN
2. #10 AND SMALLER-SOLID TYPE THHN OR THWN
3. CONDUCTORS IN CONDUIT IN OR ADJACENT TO HIGH HEAT SOURCE SHALL BE TYPE XHHW
4. CONDUCTORS IN CONDUITS ABOVE ROOF, ON TOP OF ROOF OR INSIDE BUILT-UP ROOFING MATERIAL SHALL BE TYPE XHHW
C. CONVENIENCE OUTLET, UNLESS NOTED OTHERWISE, SURFACE-MOUNTED OUTLETS FOR EXTERIOR LOCATIONS SHALL BE FERALOY, CAD/ZINC ELECTROPLATED WITH THREADED HUBS OR CONDUIT ENTRANCES DRILLED AND TAPPED. ALL COVERS SHALL BE SELF-CLOSING AND GASKETED. SURFACE MOUNTED OUTLETS FOR INTERIOR LOCATIONS SHALL BE GALVANIZED, PRESSED STEEL WITH COVER PLATE, SIERRA PLASTIC STYLE, IVORY COLOR.
D. COAXIAL CABLE SUPPORTS
1. ALL WAVE GUIDE SUPPORTS SHALL BE MANUFACTURED TO MEET ALL COAX MINIMUM BENDING REQUIREMENTS WAVE GUIDES, AND B1587 FOR 6 WAVE GUIDES. SUPPORTS SHALL BE PROVIDED 3'-0" ON CENTERS.
PART III: EXECUTION
3.1 PREPARATION
A. BEFORE LAYING OUT WORK, EXERCISE PROPER PRECAUTION TO VERIFY EACH MEASUREMENT.
B. USE EXTREME CAUTION BEFORE EXCAVATING IN EXISTING AREAS TO LOCATE EXISTING UNDERGROUND SERVICES.
3.2 INSPECTION
A. A VISUAL CHECK OF ELECTRICAL AND TELEPHONE CABLES, CONDUITS AND OTHER ITEMS SHALL BE MADE BY A TENANT CONSTRUCTION SUPERVISOR BEFORE THESE ITEMS ARE PERMANENTLY INSTALLED.
B. THE CONTRACTOR SHALL NOTIFY THE TENANT CONSTRUCTION SUPERVISOR 24 HOURS PRIOR TO TRENCH BACK FILL
3.3 INSTALLATION
A. TRENCHING, BACK FILLING, BEDDING AND COMPACTING SHALL COMPLY WITH SITE WORK SPECIFICATIONS.
B. DIG TRENCHES TO THE REQUIRED DEPTH AS SHOWN ON THE DRAWINGS WITHOUT POCKETS OR DIPS. REMOVE LARGE STONES FROM THE BOTTOM OF THE TRENCH AND FIRMLY TAMP LOOSE FILL IN THE BOTTOM BEFORE CONDUIT IS LAID.
C. INSTALL UNDERGROUND CONDUIT WITH A MINIMUM 3-INCH TO 100-FOOT SLOPE OR TO A SLOPE SHOWN ON THE DRAWINGS.
D. UNLESS SHOWN OTHERWISE ON THE DRAWINGS, TERMINATE AND CAP ALL STUB-UPS 12 INCHES ABOVE FINISHED GRADE ELEVATION.
E. WHEREVER CONDUITS CROSS UNDER ROADWAYS, USE GALVANIZED RIGID STEEL CONDUITS IN ALL CASES, EXTENDING 5 FEET BEYOND THE EDGE OF THE ROAD BED. MINIMUM DEPTH FOR CONDUIT SHALL BE 4 FEET BELOW ROADWAY GRADE.
F. MARK UNDERGROUND CONDUITS WITH A 6-INCH WIDE RED POLYETHYLENE TAPE BURIED 6 INCHES UNDER THE SURFACE DIRECTLY OVER THE CONDUITS. MARK THE TAPE THUS: CAUTION-BURIED ELECTRICAL CABLE.
G. FOR SEALING CONDUITS, USE ONLY NON-THERMOPLASTIC COMPOUNDS SUCH AS J.M. DUXSEAL, OR AN APPROVED SUBSTITUTE. THE COMPOUND SHALL HAVE NO EFFECT ON RUBBER OR RUBBER-LIKE INSULATIONS, LEAD, ALUMINUM OR FERROUS ALLOYS; IT SHALL BE INSOLUBLE IN WATER AND WITHSTAND MAXIMUM TEMPERATURE RANGES OF THE LOCALITY.
H. COAXIAL – REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES.
I. ANTENNA – REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES.
J. LNA/MHA – REFER TO NOKIA ANTENNA AND COAXIAL CABLE INSULATION PROCEDURES. END OF ELECTRICAL SPECIFICATIONS
PROJECT SPECIFICATION 16670 (GROUNDING)
1.1 SCOPE
A. THIS SPECIFICATION PRESCRIBES THE REQUIREMENTS FOR FURNISHING, INSTALLATION AND TESTING OF THE GROUNDING CABLE, CONNECTORS AND ASSOCIATED COMPONENTS AS INDICATED ON THE DRAWINGS. 8. APPLICATIONS OF ELECTRICAL GROUNDING AND BONDING WORK SPECIFIED IN THIS SPECIFICATION INCLUDE THE FOLLOWING:
1. FENCE AND GATE POSTS
2. ELECTRICAL POWER SYSTEMS
3. GROUNDING ELECTRODES
4. GROUND BUS BAR
5. SERVICE EQUIPMENT
6. ENCLOSURES
7. MONOPOLE/LATTICE TOWER
B. ICE BRIDGE

1.2 REFERENCES: THE PUBLICATIONS LISTED BELOW FORM PART OF THIS SPECIFICATION. EACH PUBLICATION SHALL BE THE LATEST REVISION AND ADDENDUM IN EFFECT ON THE DATE THIS SPECIFICATION IS ISSUED FOR CONSTRUCTION, UNLESS NOTED OTHERWISE. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN, OR THE DETAILS OF THE DRAWINGS, WORK INCLUDED IN THIS SPECIFICATION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THESE PUBLICATIONS.
A. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
B. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS)
C. NEC (NATIONAL ELECTRICAL CODE), LATEST EDITION
D. NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)
E. NESC (NATIONAL ELECTRICAL SAFETY CODE), LATEST EDITION
F. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION)
G. U.L. (UNDERWRITERS LABORATORIES)
H. APPLICABLE LOCAL CODES AND ORDINANCES
PART II' PRODUCTS
2.1 MATERIALS' EXCEPT AS OTHERWISE INDICATED, PROVIDE ELECTRICAL GROUNDING AND BONDING SYSTEMS INDICATED; WITH ASSEMBLY OF MATERIAL, INCLUDING, BUT NOT LIMITED TO, GROUNDING ELECTRODES, BONDING JUMPER AND ADDITIONAL ACCESSORIES NEEDED FOR A COMPLETE INSTALLATION. WHERE MORE THAN ONE TYPE COMPONENT PRODUCT MEETS INDICATED REQUIREMENTS, SELECTION IS INSTALLER'S OPTION. WHERE MATERIALS OR COMPONENTS ARE NOT INDICATED, PROVIDE PRODUCTS WHICH COMPLY WITH NEC, U.L. AND IEEE REQUIREMENTS AND WITH ESTABLISHED INDUSTRY STANDARDS FOR THOSE APPLICATIONS INDICATED.
A. GROUNDING
1. THE EQUIPMENT SHALL BE GROUNDED AS FOLLOWS, AS SHOWN ON THE DRAWINGS AND IN COMPLIANCE WITH NEC ARTICLE 250 AND STATE AND LOCAL CODES.
2. GROUND RODS AND QUANTITY SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL PERFORM A GROUND-RESISTANCE-TO-EARTH TEST. SHOULD THE INSTALLATION HAVE A RESISTANCE OF 5 OHMS OR MORE, CONTRACTOR SHALL INSTALL MORE GROUND RODS AS NECESSARY SO THAT THE OVERALL GROUND-TO-EARTH RESISTANCE IS LESS THAN 5 OHMS.
3. INSTALL ELECTRICAL GROUNDING AND BONDING SYSTEMS AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, NEC'S "STANDARD OF INSTALLATION," AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE THAT PRODUCTS COMPLY WITH REQUIREMENTS.
4. COORDINATE WITH OTHER ELECTRICAL WORK AS NECESSARY TO INTERFACE INSTALLATION OF ELECTRICAL GROUNDING AND BONDING SYSTEMS.
5. INSTALL GROUND CONDUCTORS A MINIMUM OF 36 INCHES BELOW FINISHED GRADE WHICH ENCIRCLES THE TOWER AND EQUIPMENT AND ARE CONNECTED TO EACH DRIVEN GROUND ROD. GROUND TRENCH SHALL BE AT LEAST 24 INCHES AWAY FROM FOUNDATIONS.
6. TIGHTEN GROUNDING AND BONDING CONNECTORS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUE FOR CONNECTORS AND BOLTS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTIONS TO COMPLY WITH TIGHTENING TORQUE VALUE SPECIFIED IN U.L. 486A TO ASSURE PERMANENT AND EFFECTIVE GROUNDING.
7. APPLY CORROSION-RESISTANT FINISH (NO-OX) TO FIELD-CONNECTIONS, AT COPPER GROUND BARS AND PLACES WHERE FACTORY APPLIED PROTECTIVE COATING HAVE BEEN DESTROYED, WHICH ARE SUBJECTED TO CORROSIVE AND/OR OXIDATION PROCESS.
8. ON EXISTING LATTICE TOWERS, WATER TOWERS AND ROOF TOPS WHEN A PROPOSED GROUNDING SYSTEM IS INSTALLED, THE CONTRACTOR SHALL TIE THE PROPOSED GROUND SYSTEM TO THE EXISTING WATER TOWER, LATTICE TOWER STRUCTURAL STEEL OR BUILDING STRUCTURAL STEEL AS THE CASE MAY BE AT LEAST AT ONE LOCATION SO THAT THEY ARE AT THE SAME POTENTIAL.
B. GROUND RODS
1. GROUND RODS SHALL BE 5/8" DIAMETER 8'-0" LONG, COPPER CLAD DRIVEN ROD(S).
2. GROUND ROD(S) SHALL BE LOCATED AT THE PERIMETER OF EQUIPMENT AS TO CREATE A GROUND RING AS SHOWN ON THE DRAWINGS.
3. GROUND ROD(S) SHALL BE SPACED AT A MINIMUM SPACING OF 8'-0" AND A MAXIMUM SPACING OF 10'-0".
4. GROUND RODS SHELL BE BURIED BELOW THE FROSTLINE. AT NO TIME SHALL THIS DEPTH BE LESS THAN 18" BELOW FINISHED GRADE.
5. GROUND RODS WHICH CANNOT BE DRIVEN STRAIGHT DOWN THE ENTIRE (10) FEET, SHALL BE DRIVEN AT AN ANGLE NOT GRATER THAN 45 DEGREES (NEC 250-83 AND 250-84).
6. GROUND ROD LOCATIONS SHALL BE NOTED ON THE AS-BUILT DRAWING COMPLETE WITH DIMENSIONS.
7. PROVIDE GROUND TEST WELLS AS SHOWN ON THE CONSTRUCTION DRAWINGS.
C. GROUND CONDUCTOR
1. ALL DIRECT BURIED GROUND CONDUCTORS SHALL BE TINNED SOLID (#2 AWG) WIRE. BURIED GROUND CONDUCTOR SHALL BE INSTALLED AT MINIMUM DEPTH OF 36" BELOW GRADE.
2. ALL SUB GRADE GROUND CONNECTIONS SHALL BE MADE THROUGH THE USE OF EXOTHERMIC WELD PROCESS. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE SPLICES, TEES AND ALL GROUND ROD CONNECTIONS. MOLD, WELD KITS, ETC., SHALL BE MANUFACTURED BY CADWELD AND SHALL BE INSTALLED AS PER THE MANUFACTURER'S INSTRUCTIONS.
3. GROUND CONDUCTORS SHALL BE ROUTED IN THE SHORTEST AND STRAIGHTEST DISTANCES POSSIBLE TO MINIMIZE TRANSIENT VOLTAGE RISES. CONDUCTORS SHALL BE INSTALLED AS FOLLOWS'
A. ALL GROUND CONDUCTORS SHALL FOLLOW A CONTINUOUS DOWNWARD PATTERN TO THE GROUND SOURCE. (NEVER RUN GROUND CONDUCTOR IN AN UPWARD DIRECTION.)
B. CONDUCTORS SHALL BE INSTALLED WITH A MINIMUM OF 12 INCH MINIMUM BENDING RADIUS.
C. WHEN THE MINIMUM BENDING RADIUS CANNOT BE ACHIEVED, GROUND CABLES SHALL BE ROUTED AT 90 DEGREE BENDS WITH THE USE OF EXOTHERMIC CONNECTIONS AT 90 DEGREES. THE INTENT IS TO ELIMINATE THE CABLE BEND RADIUS AND REPLACE THE RADIUS WITH AN EXOTHERMIC CONNECTION.
PART III: EXECUTION
3.1 PREPARATION
A. ALL SURFACES TO WHICH GROUND CONNECTIONS WILL BE MADE SHALL BE FREE OF PAINT, GALVANIZING DIRECT CORROSION ETC .. B. ALL METAL SURFACES EXPOSED ON GROUNDING SHALL BE EITHER COLD GALVANIZE, OR PAINTED TO MATCH ORIGINAL SURFACE.
3.2 EXAMINATION.
A. EXAMINE AREAS AND CONDITIONS UNDER WHICH ELECTRICAL GROUNDING AND BONDING CONNECTIONS ARE TO BE MADE AND NOTIFY TENANT CONSTRUCTION SUPERVISOR IN WRITING OF CONDITIONS DETRIMENTAL TO PROPER COMPLETION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE
B. THE CONTRACTOR SHALL NOTIFY THE TENANT CONSTRUCTION SUPERVISOR 24 HOURS PRIOR TO TRENCH BACK FILL ALL WORK DONE BELOW FINISHED GRADE SHALL BE INSPECTED BY THE AERIAL CONSTRUCTION SUPERVISOR DURING THAT PERIOD OR THE CONTRACTOR SHALL PROCEED.
3.3 GROUND TESTING
A. THE CONTRACTOR SHALL TEST THE GROUND ELECTRODE ROD RESISTANCE IN ACCORDANCE WITH THE METHODS OF MEASUREMENT SHOWN IN THE FALL OF POTENTIAL METHOD.
B. TEST INSTRUMENTS SHALL OPERATE AT A FREQUENCY OTHER THAN 60 HERTZ AND SHALL CONTAIN STRAY CURRENT AND DC FILTERS, FAULT CURRENT PROTECTION AND HAVE SENSITIVITY TO OPERATE A LOW SIGNAL STRENGTH.
C. PRIOR TO TESTING, THE CONTRACTOR SHALL DE-ENERGIZE ALL POWER SOURCES, DISCONNECT THE ELECTRODE CONDUCTOR FROM THE GROUND ROD, WEAR HIGH VOLTAGE RUBBER SAFETY GLOVES AND WILL NOT HANDLE TEST INSTRUMENTS IF AT ALL POSSIBLE.

D. GROUND TESTS ARE TO BE PERFORMED BY QUALIFIED PERSONS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE EQUIPMENT AND THE HAZARDS INVOLVED.
E. AN INDEPENDENT, APPROVED OUTSIDE FIRM SHALL PERFORM THE GROUND TEST AS OUTLINED. ALL TEST RESULTS SHALL BE FORWARDED TO THE TENANT CONSTRUCTION SUPERVISOR FOR APPROVAL. END OF GROUNDING SPECIFICATIONS CLOSE OUT DOCUMENTATION CLOSEOUT BOOK CONTAINING THE FOLLOWING'
1. AS BUILT DESIGN DRAWINGS
2. SWEEP TEST RESULTS
3. RESISTIVELY TEST
4. PHOTO DOCUMENTATION OF'
– UNDERGROUND CONDUITS AND GROUND RING
– ANTENNA, COAXV, JUMPER ATTACHMENTS AND GROUND KIT ATTACHMENTS
– ANTENNA DOWN TILT MEASUREMENT USING AN INCLINOMETER ON THE BACK PLANE OF THE ANTENNA
– GROUND BAR ATTACHMENTS
5. SIGNED OFF PERMIT CARDS
6. CERTIFICATE OF OCCUPANCY
7. RETURN OF KEYS AND/OR ACCESS AUTHORIZATION
B. ORIGINAL BUILDING PERMIT
PART IV" GROUNDING SPECIFICATIONS
4.1 ALL GROUNDING SYSTEM CONDUCTORS AND CONNECTIONS BELOW GRADE SHALL BE THERMAL WELDS AT GROUND RODS AND AT A MINIMUM OF 30" BELOW GRADE.
4.2 ALL INSTALLATIONS SHALL BE FIELD VERIFIED.
4.3 ALL GROUND WIRE SHALL BE #2 AWG BARE COPPER TINNED UNLESS NOTED OTHERWISE.
4.4 ALL GROUND WIRES SHALL PROVIDE A STRAIGHT DOWNWARD PATH TO GROUND WITH GRADUAL BEND AS REQUIRED. GROUND WIRES SHALL NOT BE LOOPED OR SHARPLY BENT.
4.5 THE CONTRACTOR SHALL COORDINATE INSTALLATION OF GROUND RODS AND GROUND RING WITH FOUNDATION AND UNDERGROUND CONDUIT.
4.6 EACH EQUIPMENT CABINET SHALL BE CONNECTED WITH (2) #2 AWG INSULATED SOLID TINNED COPPER WIRE TO GROUND BAR. EQUIPMENT CABINETS SHALL EACH HAVE (2) CONNECTIONS.
4.7 ANTENNA GROUND KITS SHALL BE FURNISHED BY TENANT AND INSTALLED BY ELECTRICAL CONTRACTOR.
4.8 KOPR-SHIELD ANTI-OXIDATION COMPOUND SHALL BE USED ON ALL GROUNDING CONNECTIONS.
4.9 ALL EXOTHERMIC CONNECTS SHALL BE INSTALLED UTILIZING THE PROPER CONNECTION/MOLD AND MATERIALS FOR THE PARTICULAR APPLICATION.
4.10 ALL BOLTED GROUNDING CONNECTIONS SHALL BE INSTALLED WITH A LOCK WASHER UNDER THE NUT. HARDWARE FOR BOLTED CONNECTIONS SHALL BE A MINIMUM OF 3/8" DIAMETER AND SHALL BE STAINLESS STEEL.
4.11 GROUNDING WIRE SHALL NOT BE INSTALLED OR ROUTED THROUGH HOLES IN ANY METAL OBJECTS OR SUPPORTS TO PRECLUDE ESTABLISHING A "CHOKE" POINT.
4.12 PLASTIC CLIPS OR METAL CLIPS WHICH DO NOT COMPLETELY SURROUND THE GROUNDING CONDUCTORS SHALL BE USED TO FASTEN AND SUPPORT GROUNDING CONDUCTORS. FERROUS METAL CLIPS WHICH COMPLETELY SURROUND THE GROUNDING CONDUCTOR SHALL NOT BE USED.
4.13 STANDARD BUS BARS (CIGBE AND MIGB) SHALL BE FURNISHED AND INSTALLED. THEY SHALL NOT BE FABRICATED OR MODIFIED IN THE FIELD.
4.14 THE GROUNDING CONNECTION TO THE POWER AND TELCO SECTIONS OF THE PPC CABINET SHALL BE MADE BY CONNECTING A CONDUCTOR FROM THE GROUND RING TO THE FACTORY FURNISHED BUS BAR IN EACH COMPARTMENT.
4.15 THE CONTRACTOR SHALL SUPPLY TENANT WITH RESULTS FROM PRE-CONSTRUCTION (CO-LO ONLY) AND POST-CONSTRUCTION OHM TESTING (GROUND) RESULTS.
4.16 THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A "FALL OF POTENTIAL" TEST ON THE PROPOSED SUPPLEMENTAL GROUND FIELD PRIOR TO FINAL CONNECTION OF THE GROUNDING SYSTEM TO EQUIPMENT. THE TEST SHALL BE PERFORMED BY A QUALIFIED AND CERTIFIED TESTING AGENT. PROVIDE INDEPENDENT TEST RESULTS TO THE PROJECT MANAGER FOR REVIEW. THE GROUND SYSTEM RESISTANCE TO EARTH GROUND SHALL NOT EXCEED FIVE (5) OHMS. IF THE GROUND TEST EXCEEDS THE MAXIMUM OF 5 OHMS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADDITIONAL GROUND CONNECTIONS AS REQUIRED TO MEET THE 5 OHMS MAXIMUM.
4.17 IF COAX ON ICE BRIDGE IS MORE THAT 6' FROM THE GROUND BAR AT THE BASE OF THE TOWER, A SECOND GROUND BAR WILL BE NEEDED AT THE END OF THE ICE BRIDGE RUN TO GROUND THE COAX GROUND KIT AND THE IN-LINE SURGE ARRESTORS.
4.18 CONTRACTOR SHALL REPAIR/PLACE EXISTING GROUNDING SYSTEM COMPONENTS DAMAGED DURING CONSTRUCTION AT THE CONTRACTORS EXPENSE.

GENERAL NOTES | NO SCALE | 1

CLIENT:
verticalbridge
WWW.VERTICALBRIDGE.COM

PLANS PREPARED BY:
State 48 Development Consulting
WWW.STATE48CONSULTING.COM
14301 N. 87TH ST. #105
SCOTTSDALE, AZ 85260
480-242-2477 602-821-3567

LICENSURE:
08/08/2024
REGISTERED ARCHITECT
CERTIFICATE NO.
40833
NAVIN
PATHANGAY
DATE SIGNED
ARIZONA U.S.A.
EXPIRES 6/30/2025

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

DRAWN BY:	CHECKED BY:	APPROVED BY:
JD	DM	DM

RFDS REV #: 1

CONSTRUCTION DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
0	02/01/2024	FINAL CD's
1	05/20/2024	CITY COMMENTS
2	06/17/2024	RAD CENTER UPDATE
3	07/23/2024	CLIENT COMMENTS
4	08/02/2024	CLIENT COMMENTS
5	08/08/2024	CLIENT COMMENTS

SITE INFORMATION
TENANT SITE #:
PH68005
VERTICAL BRIDGE SITE #:
(APOLLO HUNT) US-AZ-5186

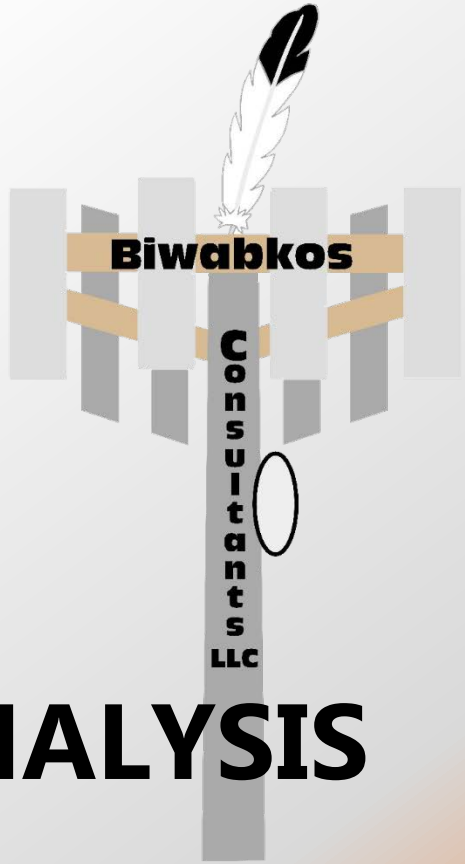
6497 E SUNNYSLOPE RD
FLORENCE, AZ 85132

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

SUP CASE #: SUP-008-24

WIRELESS NETWORK CONSULTING



AZ-5186 / T-Mobile PH68005B

Coverage Cell Split

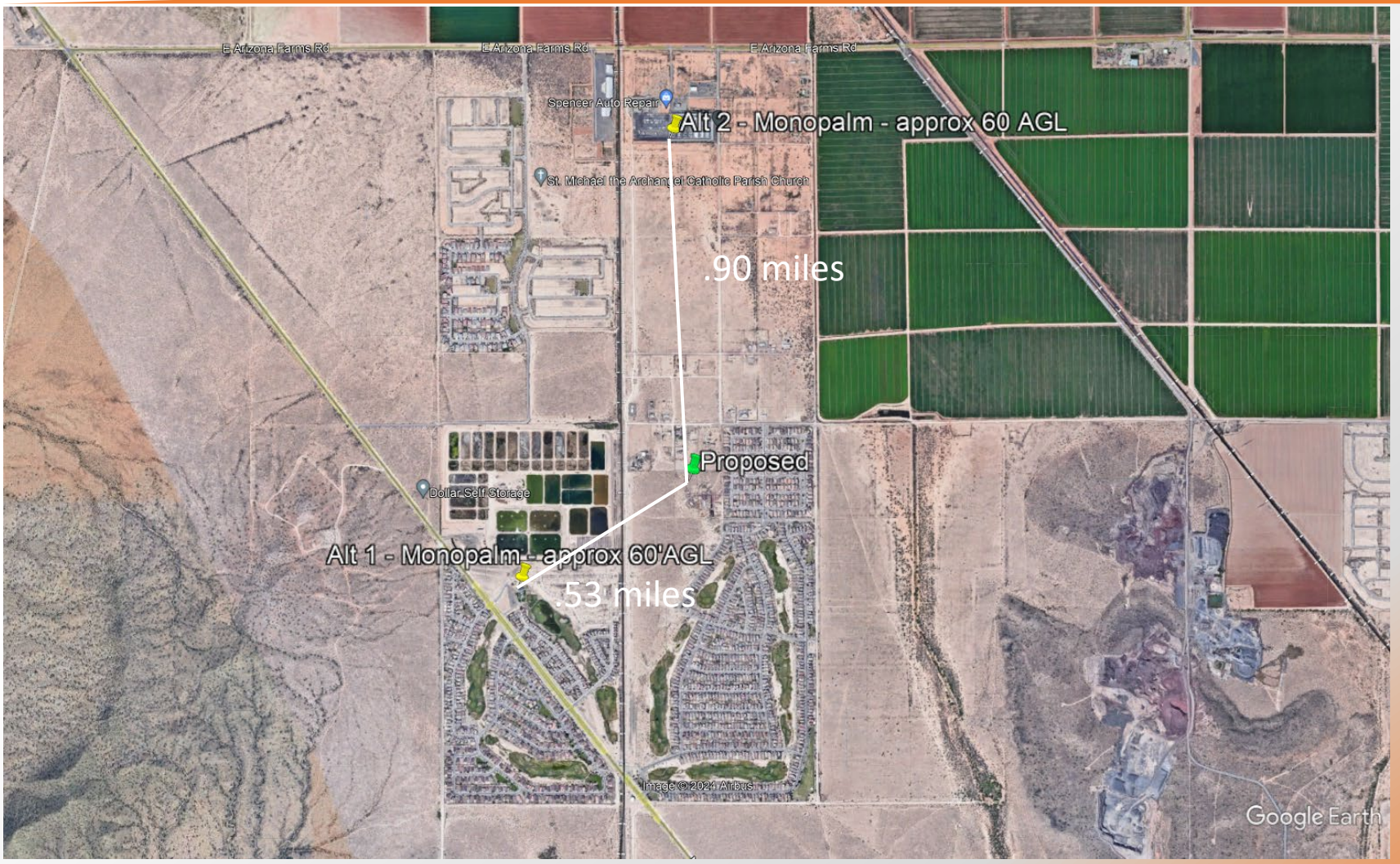
ALTERNATIVE SITE ANALYSIS

2024

Proposed Site

- 110’ Mono-elm Tower
  - With 5’ top branch
  - 6947 E Sunnyslope Road, Florence, AZ 85132
    - Latitude: 33.101758 N (NAD83)
    - Longitude: -111.496464 W (NAD83)
    - Ground Elevation: 1518.01' (NAVD88)
    - Anchor tenant is T-Mobile
  - Antenna Centerline at 100’ AGL

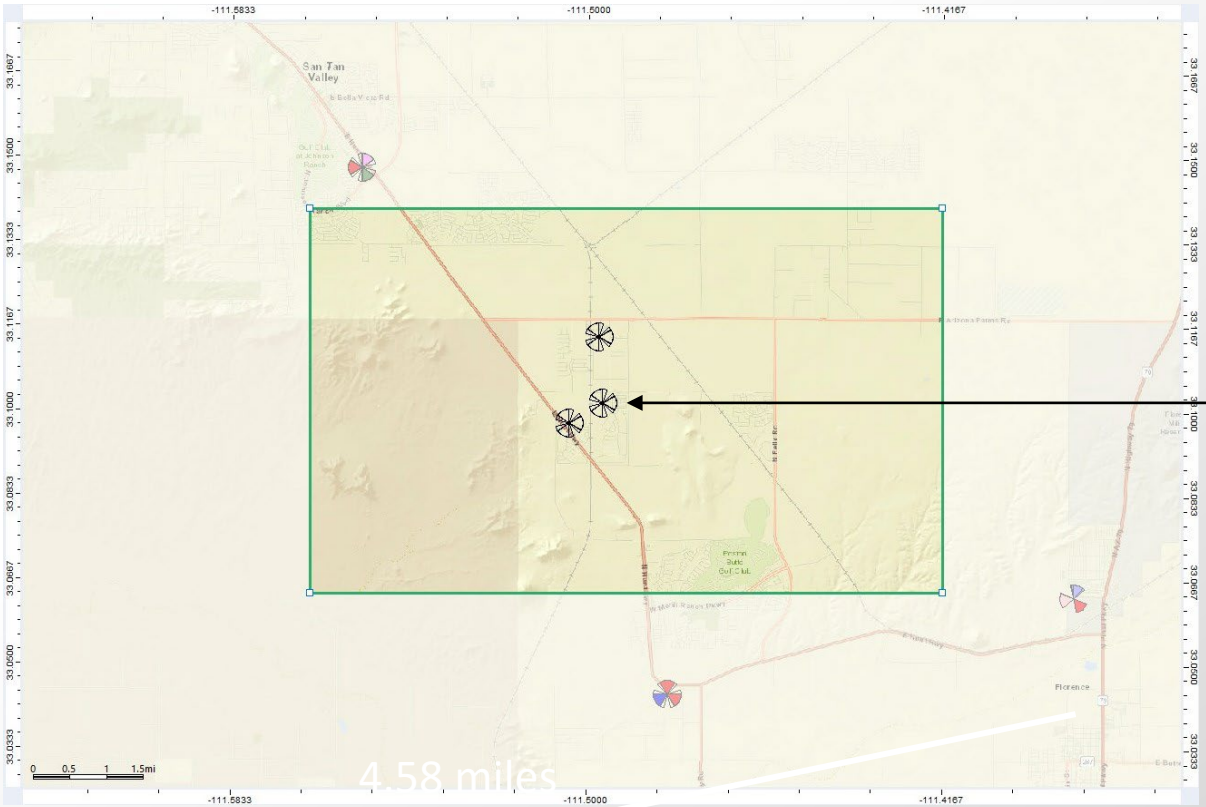
Proposed and Alternates



Alternate Site Analysis

- Local Jurisdiction has requested a review of alternate site locations
- Existing Mono-palm towers within 1’ mile of proposed
- The sites modeled are as follows:
- Alt 1 - Approx 60’ AGL Mono-palm
  - 33.097682 Latitude
  - -111.504223 Longitude
- Alt 2 - Approx 60’ AGL Mono-palm
  - 33.114931 Latitude
  - -111.497319 Longitude
- The alternate site analysis will consider the available height on the towers

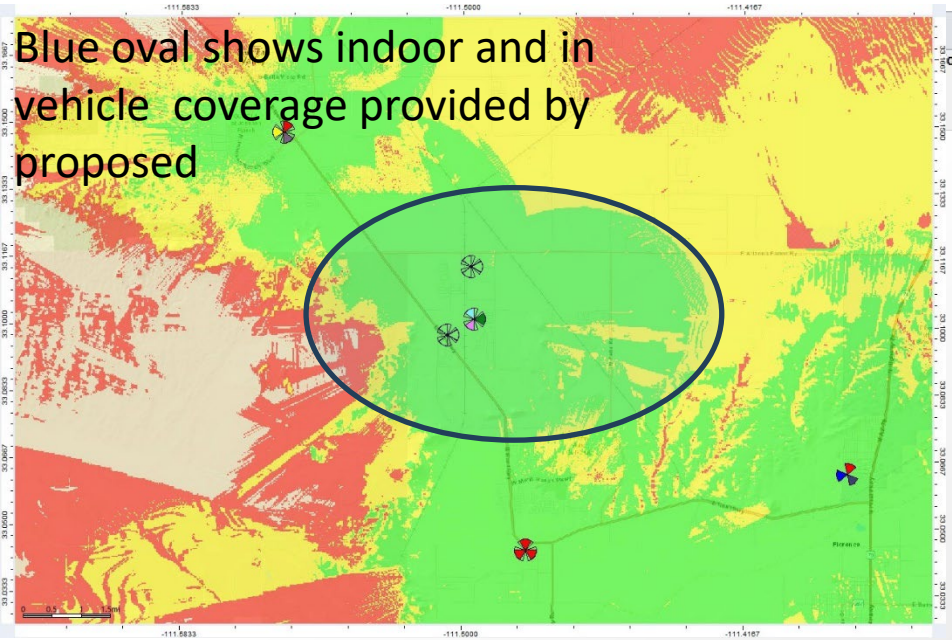
Focus Zone



Focus Zone (Inside Green Line) is set up to analyze difference in coverage between the proposed and alternate sites requested by jurisdiction

RSRP Coverage - Low Band Proposed vs Alternate 1

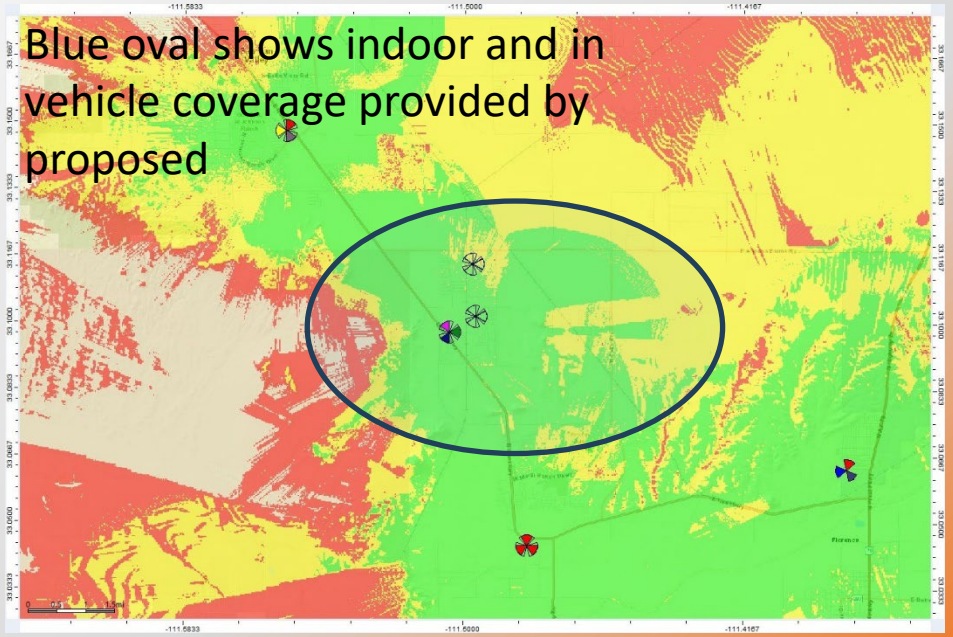
LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	110.656792	100	95
		RSRP Level (DL) (dBm) >=-85		54.266399	49	46.6
		RSRP Level (DL) (dBm) >=-95		97.888496	88.5	84.1
		RSRP Level (DL) (dBm) >=-106		110.656792	100	95

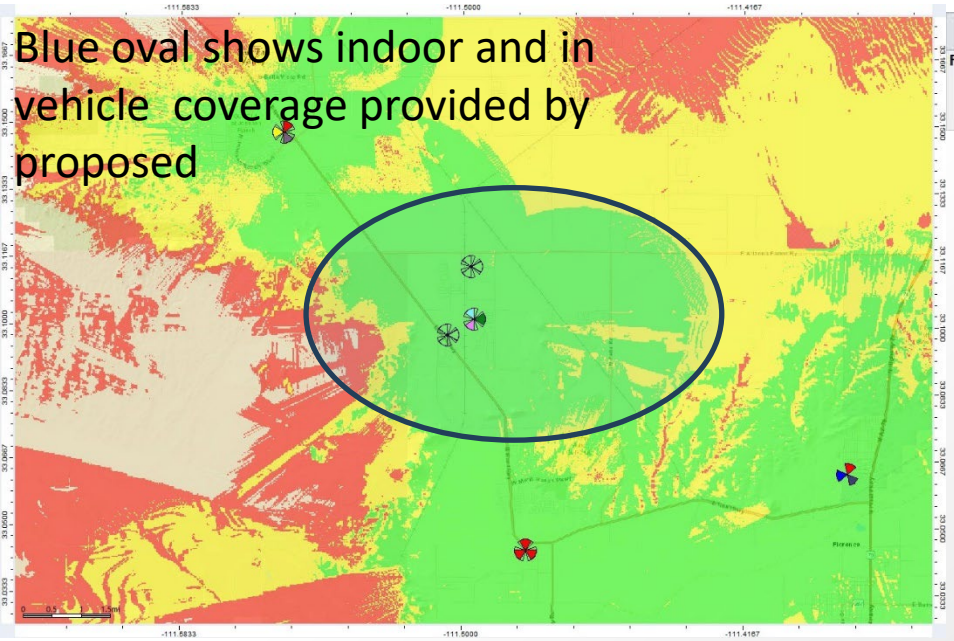
Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	112.445999	100	96.6
		RSRP Level (DL) (dBm) >=-85		66.954597	59.5	57.5
		RSRP Level (DL) (dBm) >=-95		100.008896	88.9	85.9
		RSRP Level (DL) (dBm) >=-106		112.445999	100	96.6

Above and left picture shows Proposed data showing 66.95 square kilometers are covered with indoor service vs Alt 1 tower data showing 54.26 square kilometers covered with indoor service. Approximately a 19% reduction in coverage for the objective.



RSRP Coverage - Low Band Proposed vs Alternate 2

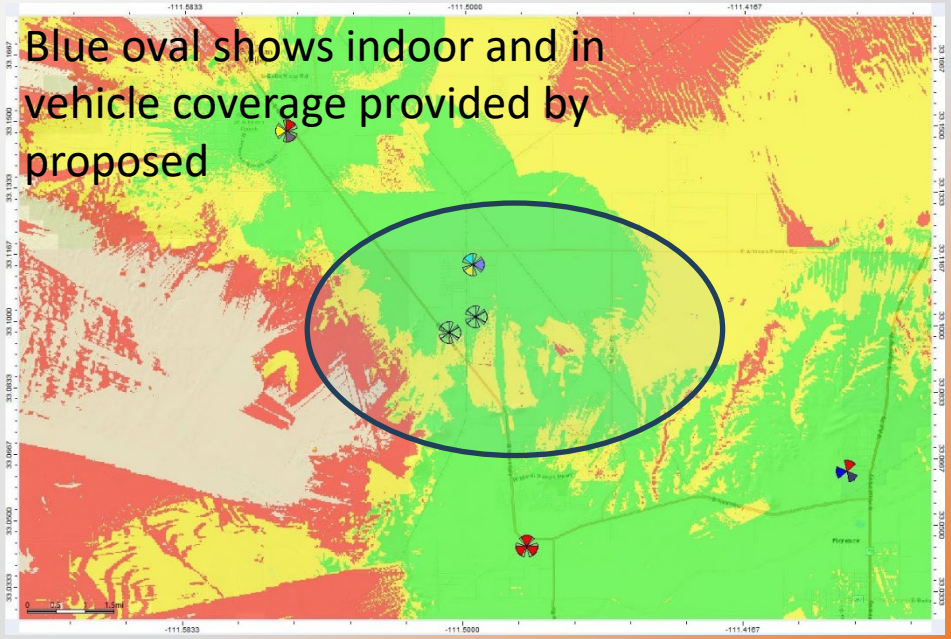
LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	112.445999	100	96.6
		RSRP Level (DL) (dBm) >=-85		66.954597	59.5	57.5
		RSRP Level (DL) (dBm) >=-95		100.008896	88.9	85.9
		RSRP Level (DL) (dBm) >=-106		112.445999	100	96.6

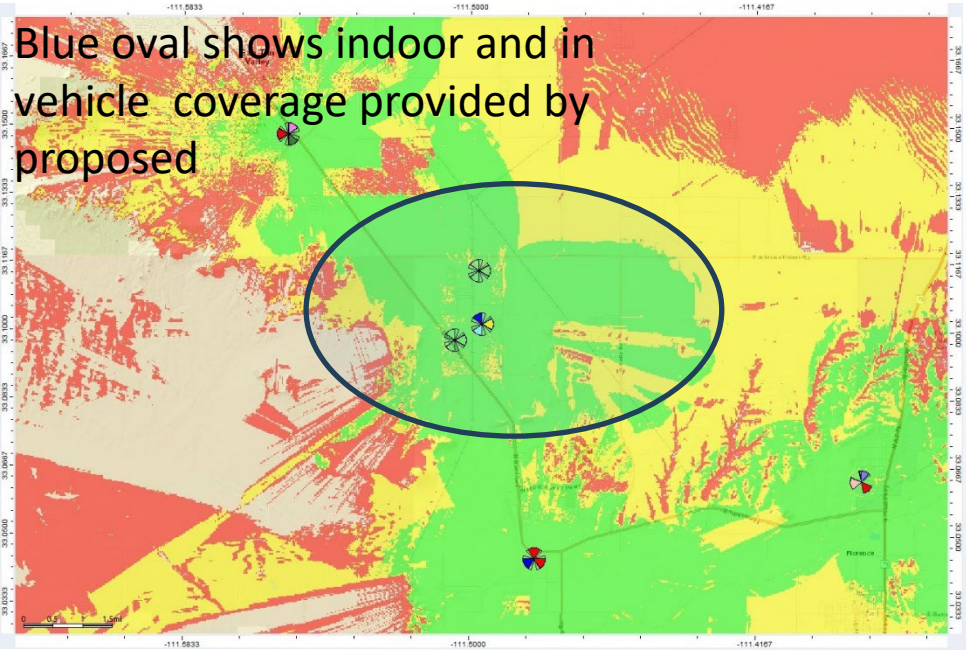
Above and left picture shows Proposed data showing 66.95 square kilometers are covered with indoor service vs Alt 2 tower data showing 55.53 square kilometers covered with indoor service. Approximately a 18% reduction in coverage for the objective.

Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	108.215996	100	92.9
		RSRP Level (DL) (dBm) >=-85		55.5327	51.3	47.7
		RSRP Level (DL) (dBm) >=-95		95.911201	88.6	82.4
		RSRP Level (DL) (dBm) >=-106		108.215996	100	92.9



RSRP Coverage - Mid Band Proposed vs Alternate 1

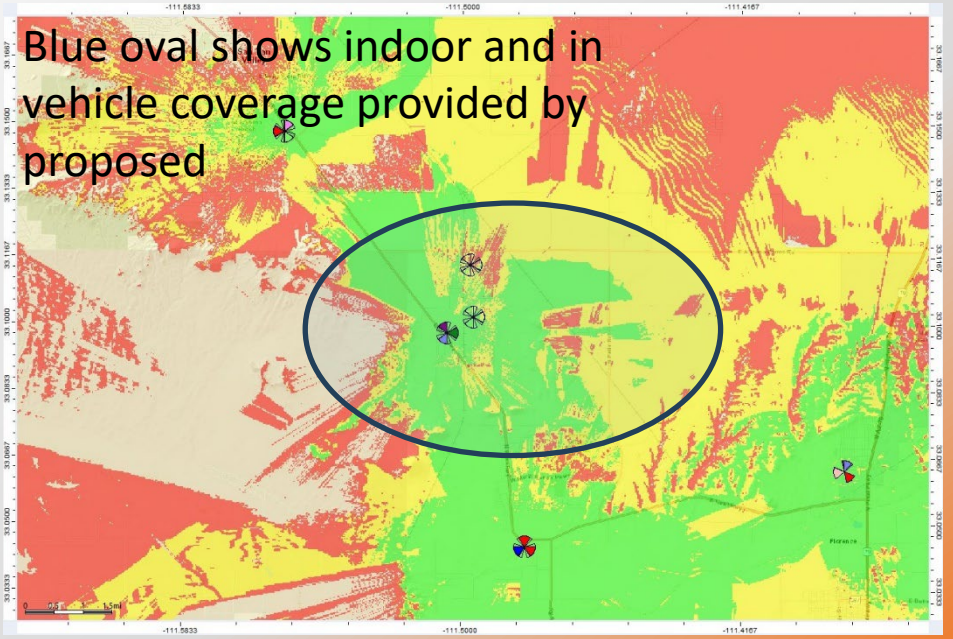
LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	99.781197	100	85.7
		RSRP Level (DL) (dBm) >=-85		32.011196	32.1	27.5
		RSRP Level (DL) (dBm) >=-95		78.448494	78.6	67.4
		RSRP Level (DL) (dBm) >=-106		99.781197	100	85.7

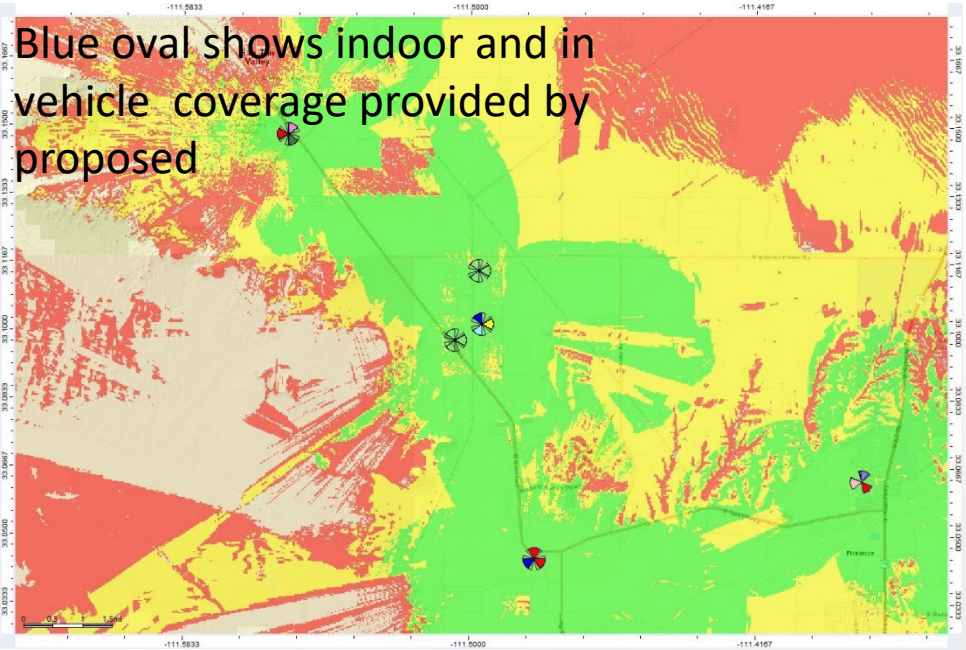
Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	105.067795	100	90.2
		RSRP Level (DL) (dBm) >=-85		51.872398	49.4	44.6
		RSRP Level (DL) (dBm) >=-95		91.897194	87.5	78.9
		RSRP Level (DL) (dBm) >=-106		105.067795	100	90.2

Above and left picture shows Proposed data showing 51.87 square kilometers are covered with indoor service vs T-Mobile tower data showing 32.01 square kilometers covered with indoor service. Approximately a 39% reduction in coverage for the objective.



RSRP Coverage - Mid Band Proposed vs Alternate 2

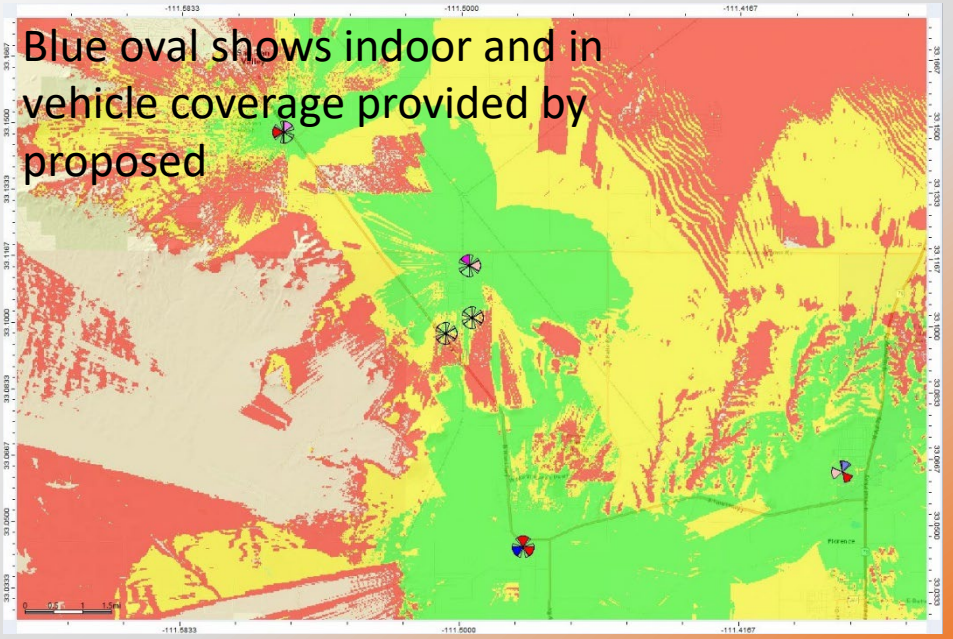
LEGEND	
	Indoor >= -85 dbm
	In-Vehicle >= -95 dbm
	On-Street >= -106 dbm



Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	98.838898	100	84.9
		RSRP Level (DL) (dBm) >=-85		30.833998	31.2	26.5
		RSRP Level (DL) (dBm) >=-95		75.211197	76.1	64.6
		RSRP Level (DL) (dBm) >=-106		98.838898	100	84.9

Zone	Prediction	Legend	Zone Surface (km²)	Surface (km²)	% of Covered Area	% Focus Zone
Focus Zone	LTE_NW-Mobility_RSRP-dBm (0)		116.427018	105.067795	100	90.2
		RSRP Level (DL) (dBm) >=-85		51.872398	49.4	44.6
		RSRP Level (DL) (dBm) >=-95		91.897194	87.5	78.9
		RSRP Level (DL) (dBm) >=-106		105.067795	100	90.2

Above and left picture shows Proposed data showing 51.87 square kilometers are covered with indoor service vs T-Mobile tower data showing 30.83 square kilometers covered with indoor service. Approximately a 41% reduction in coverage for the objective.



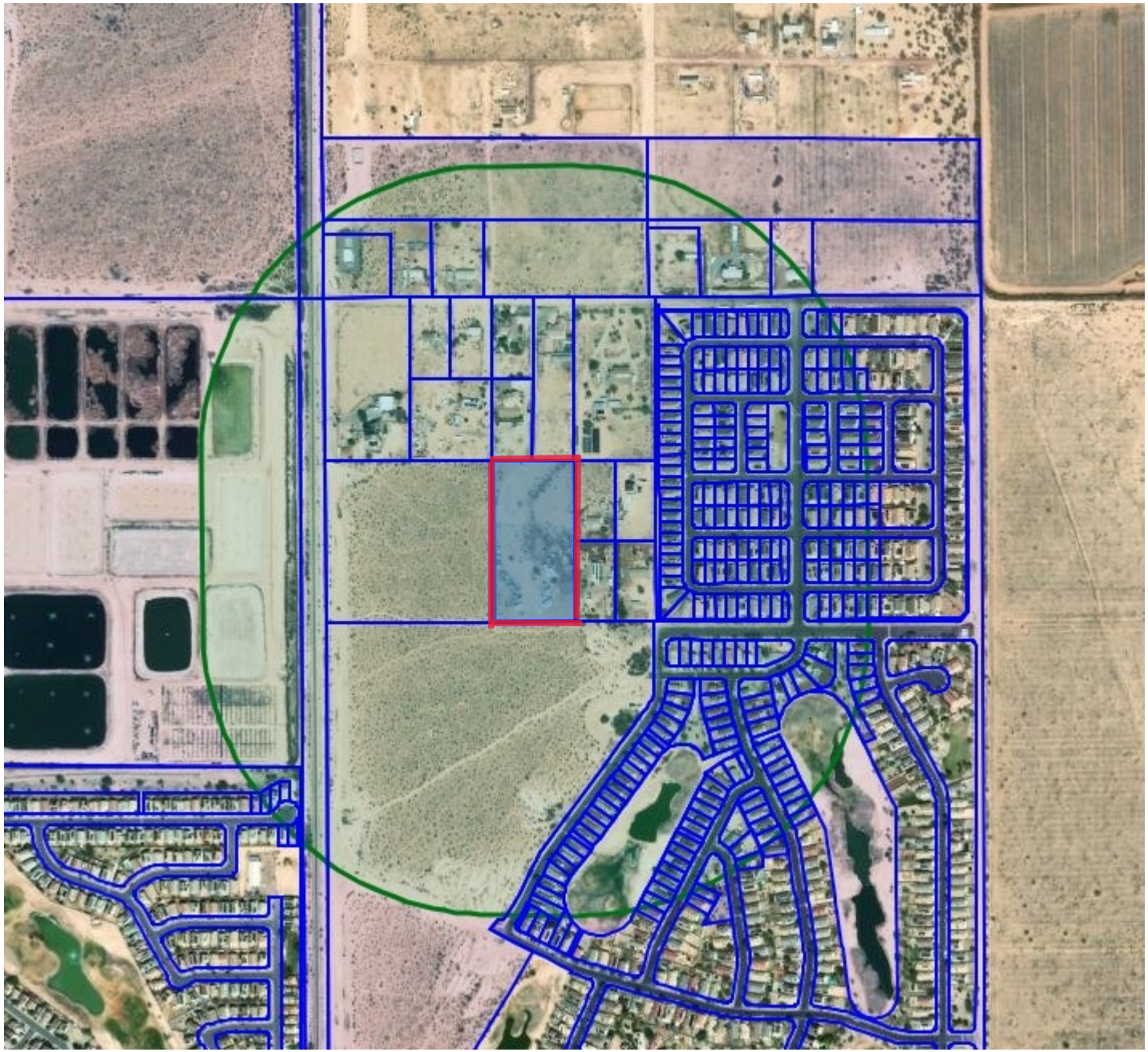
Analysis

- Reviewing the modeling the alternate sites do not provide the same level of service of the proposed
- Locating the antennas on lower heights on the alternate sites would provide less coverage than the proposed
- The alternate sites were analyzed against the primary objective

Recommendation

- Recommend approval of the proposed at the height requested for T-Mobile to provide high quality service to the area

US-AZ-5186-Boundary Map
APN: 200-24-041A



GRADING AND DRAINAGE PLAN

A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, T-4-S, R-8-E OF THE G.&S.R.B.&M., PINAL COUNTY, ARIZONA

GENERAL NOTES

1. REFERENCE PINAL COUNTY PERMIT AND ADDENDUMS FOR ADDITIONAL CONDITIONS.
2. HISTORIC DRAINAGE PATTERNS SHALL BE MAINTAINED AS SHOWN ON THE APPROVED PLANS.
3. ANY WORK PERFORMED WITHOUT APPROVAL OF THE APPLICABLE COUNTY DEPARTMENT OR AFFECTED UTILITY COMPANY AND/OR ALL WORK AND MATERIAL NOT IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE OWNER'S EXPENSE.
4. THE ISSUANCE OF ANY CONSTRUCTION PERMIT SHALL NOT RELIEVE THE OWNER OR OWNER'S AGENT FROM COMPLIANCE WITH ALL OTHER GOVERNMENTAL REGULATIONS INCLUDING BUT NOT LIMITED TO ZONING & BUILDING REQUIREMENTS.
5. RIP-RAP AREAS SHALL BE OVER-EXCAVATED SUCH THAT TOP OF RIP-RAP WILL MEET ADJACENT GRADE.
6. ALL CONSTRUCTION FILL SHALL MEET OR EXCEED MAG SPECIFICATION 211.
7. ALL CONSTRUCTION SHALL MEET OR EXCEED CURRENT MAG SPECIFICATIONS AND STANDARDS.
8. AN APPROVED SET OF PLANS SHALL BE MAINTAINED ON THE JOB SITE AT ALL TIMES PERMIT IS ACTIVE.
9. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
10. CONTACT BLUE STAKE AT 602-263-1100 A MINIMUM OF 2-DAYS PRIOR TO CONSTRUCTION.

SITE DATA

APN: 200-24-041A
LOT AREA = 220835 SF
5.0697 AC
ZONING: GR

OWNER

KEITH LARSEN
6497 E. SUNNYSLOPE DR
FLORENCE, AZ 85132

BENCHMARK

NGS CONTROL POINT "DU2292"
ELEVATION = 1516.07' NAVD88 DATUM

LEGEND

C	CONCRETE
GR	GRADE
IEE	INGRESS/EGRESS EASEMENT
PUE	PUBLIC UTILITY EASEMENT
TW	TOP OF WALL

CONSTRUCTION NOTES

1. 10X20' CONCRETE PAD.
2. 8' TALL CMU WALL WITH DRAIN BLOCKS EVERY OTHER BLOCK.

N

SCALE 1" = 30'

30 20 10 0 15 30 60

PARENT PARCEL LEGAL DESCRIPTION

LOT 5 OF RESULTS OF SURVEY, MINOR LAND DIVISION AS RECORDED IN FEE NUMBER 2000-040416, RECORDS OF PINAL COUNTY, ARIZONA

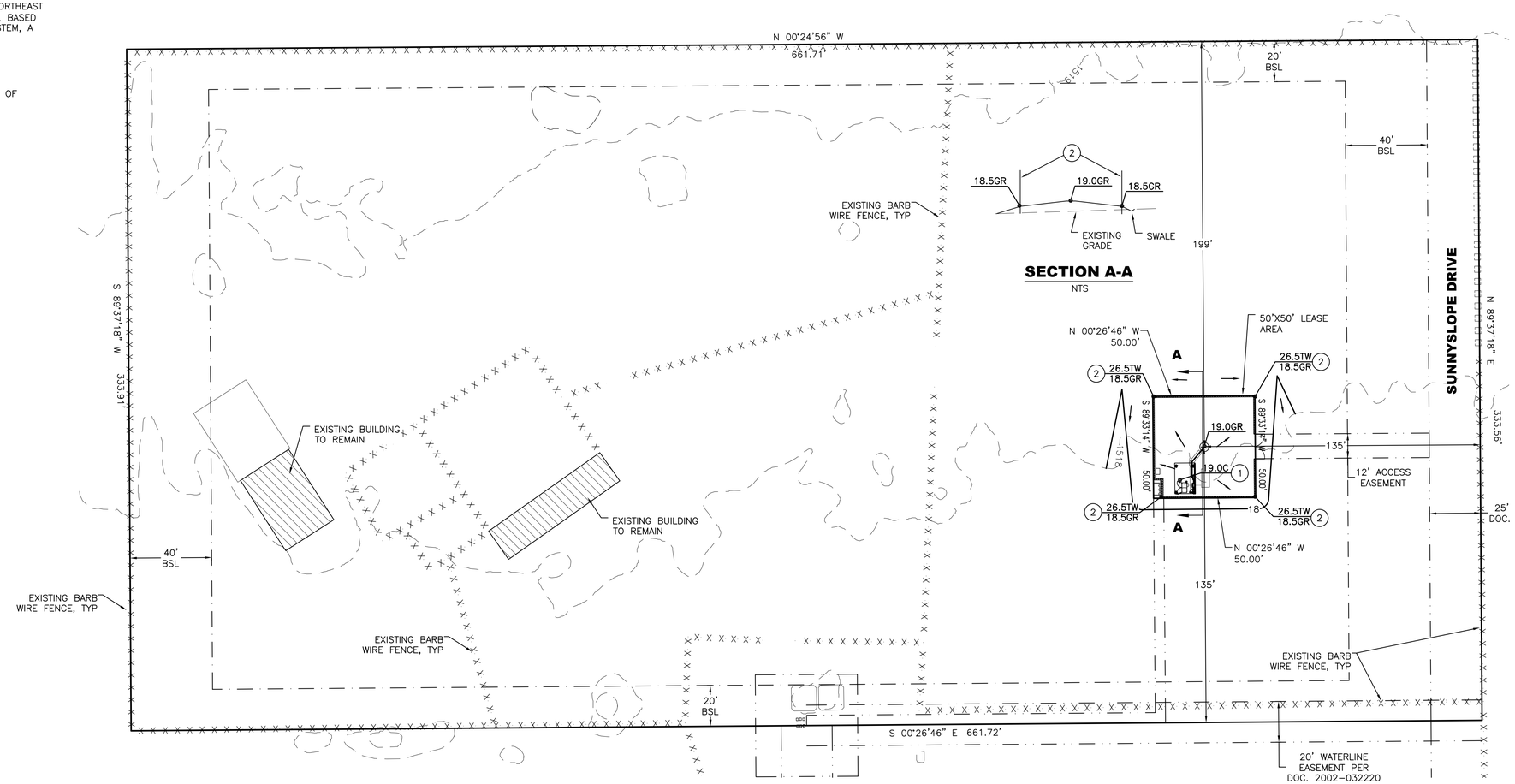
LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP MARKING THE NORTHEAST CORNER OF SAID SECTION THENCE SOUTH 66°04'47" WEST, BASED UPON US STATE PLANE ARIZONA CENTRAL COORDINATE SYSTEM, A DISTANCE OF 1936.51 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 00°26'46" EAST 50.00 FEET;
THENCE SOUTH 89°33'14" WEST 50.00 FEET;
THENCE NORTH 00°26'46" WEST 50.00 FEET;
THENCE NORTH 89°33'14" EAST 50.00 FEET TO THE POINT OF BEGINNING.

HAVING A TOTAL AREA OF 2500 SQ. FT. MORE OR LESS.



ARIZONA BLUE STAKE
CALL TWO WORKING DAYS BEFORE YOU DIG
Dial 811 or
602-263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

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

Registered Professional Engineer (Civil)
CERTIFICATE NO.
36113
CLINTON J. GARNER
01-04-24
ARIZONA, U.S.A.

DATE | REVISION

VERTICAL BRIDGE SITE #: US-AZ-5186
NEW CELL TOWER GRADING AND DRAINAGE PLAN
PORTION OF APN 200-24-041A
FLORENCE, AZ

JOB NUMBER	23-207
DRAWING	GD23207
DATE	01-04-24
SHEET	1 OF 1

GarnerGroup engineering
EMAIL:CLINT@GARNERGROUPAZ.COM
(P) 480-292-2673
2064 E. NORCROFT ST. MESA, AZ 85213

Column

INTERIM AD DRAFT

This is the proof of your ad scheduled to run in **Pinal Central Dispatch** on the dates indicated below.
If changes are needed, please contact us prior to deadline at **(520) 836-7461**.

Notice ID: QYL3MdVhBXN9caxJFUz6 | **Proof Updated: Aug. 30, 2024 at 09:50am MST**
Notice Name: SUP-008-24 AZ-5186

See Proof on Next Page

This is not an invoice. Below is an estimated price, and it is subject to change. You will receive an invoice with the final price upon invoice creation by the publisher.

FILER	FILING FOR
Ana Strong	Pinal Central Dispatch
ana@state48consulting.com	
(626) 327-7052	

Columns Wide:	1	**Ad Class:**	Legals
Total Column Inches:	9.57		
Number of Lines:	92		

09/05/2024: Other	60.67

Subtotal	$60.67
Tax	$1.09
Processing Fee	$11.07
Total	**$72.83**

NOTICE OF PUBLIC HEARING BY THE PINAL COUNTY PLANNING AND ZONING COMMISSION AT 9:00 A.M. ON THE 25 th DAY OF SEPTEMBER 2024 , AT THE PINAL COUNTY ADMINISTRATIVE COMPLEX, EMERGENCY OPERATIONS CENTER (EOC), 301 E. 11TH STREET, FLORENCE, ARIZONATO CONSIDER AN APPLICATION FOR A SPECIAL USE PERMIT IN THE UNINCORPORATED AREA OF PINAL COUNTY, ARIZONA.

SUP-008-24 – PUBLIC HEARING/ ACTION: Shannon McCrea - State 48 Consulting and Vertical Bridge, LLC., applicant/agent, Keith Larson, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a 5.07± acre parcel in the General Rural (GR) Zone; tax parcel 200-24-041A – legal on file – situated in a portion of Section 11, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and west of N. Mitchell Trail in San Tan Valley, in unincorporated Pinal County.

ALL PERSONS INTERESTED IN THIS MATTER MAY APPEAR AND SPEAK AT THE PUBLIC HEARING AT THE DATE, TIME, AND PLACE DESIGNATED ABOVE.

DOCUMENTS PERTAINING TO THIS CASE CAN BE FOUND ON THE NOTICE OF HEARING PAGE FOR THE P&Z COMMISSION AT: http://pinalcountyaz.gov/CommunityDevelopment/Planning/Pages/NoticeofHearing.aspx#

DATED THIS 26th DAY OF AUGUST 2024 , by Pinal County Community Development Dept.

TO QUALIFY FOR FURTHER NOTIFICATION IN THIS LAND USE MATTER YOU MUST FILE WITH THE PLANNING DEPARTMENT A WRITTEN STATEMENT OF SUPPORT OR OPPOSITION TO THE SUBJECT APPLICATION. YOUR STATEMENT MUST CONTAIN THE FOLLOWING INFORMATION:

1) Planning Case Number (see above)
2) Your name, address, telephone number and property tax parcel number (Print or type)
3) A brief statement of reasons for supporting or opposing the request
4) Whether or not you wish to appear and be heard at the hearing

WRITTEN STATEMENTS MUST BE FILED WITH:
PINAL COUNTY COMMUNITY DEVELOPMENT DEPARTMENT
PO BOX 749 (85 N. FLORENCE STREET)
FLORENCE, AZ 85132

Contact for this matter: Patrick Roberts, Senior Planner
E-mail address: Patrick.Roberts@pinal.gov
Phone # (520) 866-6409

No. of publications: 1: date of publication: Sep 05, 2024

Pinal County

AFFIDAVIT OF POSTING BROADCAST SIGN

I, the applicant's representative for case # SUP-008-24, personally caused at least one sign to be posted in a visible place on or near the proposed project site at 6497 E SUNNYSLOPE DR FLORENCE, AZ 85132, at least 28 days before the Planning and Zoning Commission Public Hearing, in Pinal County.

See attached photo exhibit.

Dynamite Signs
Sign Company Name

Meghan Liggett
Sign Company Representative

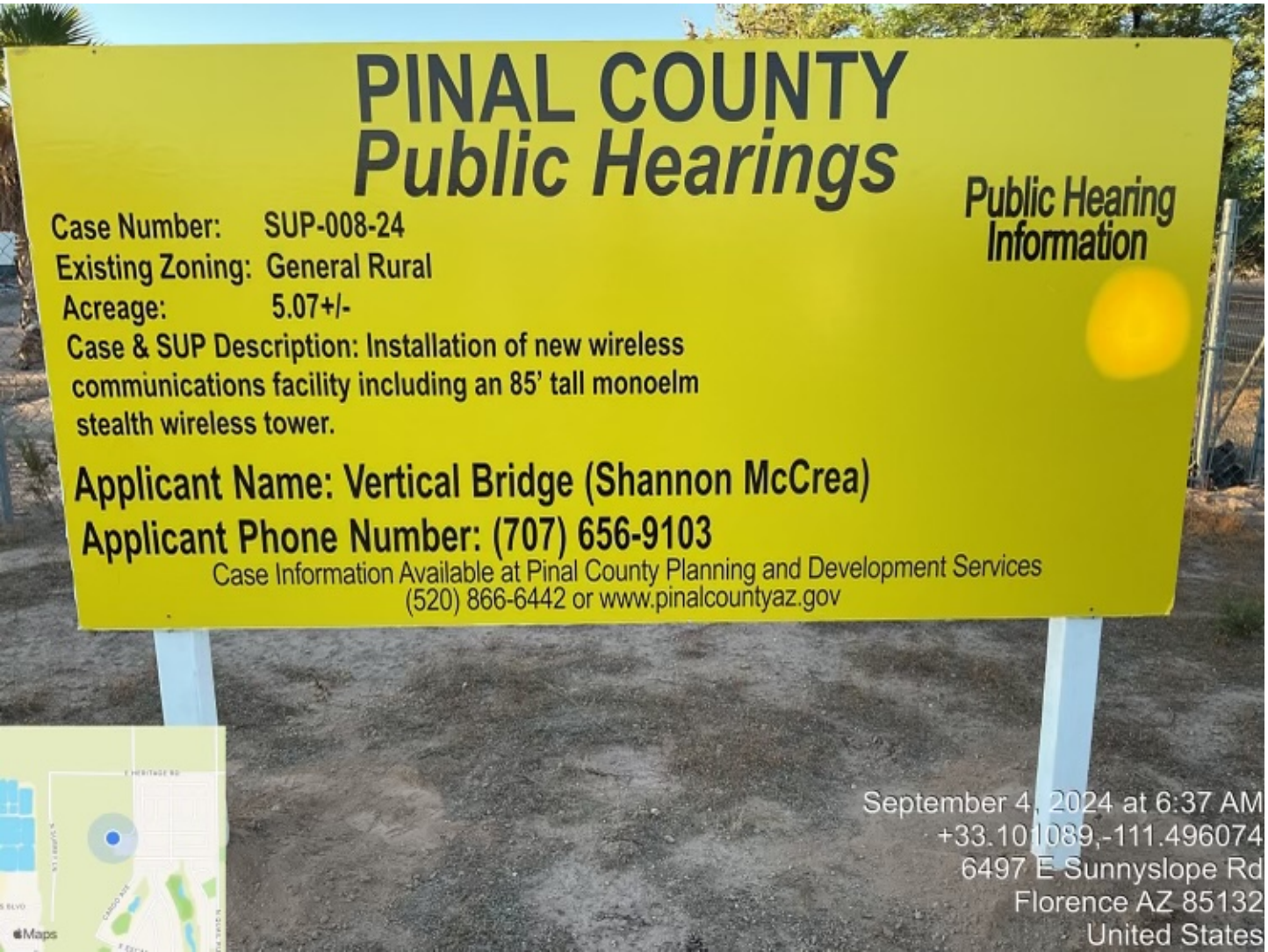
Subscribed and sworn to be on 09/04/24 by Meghan Liggett.

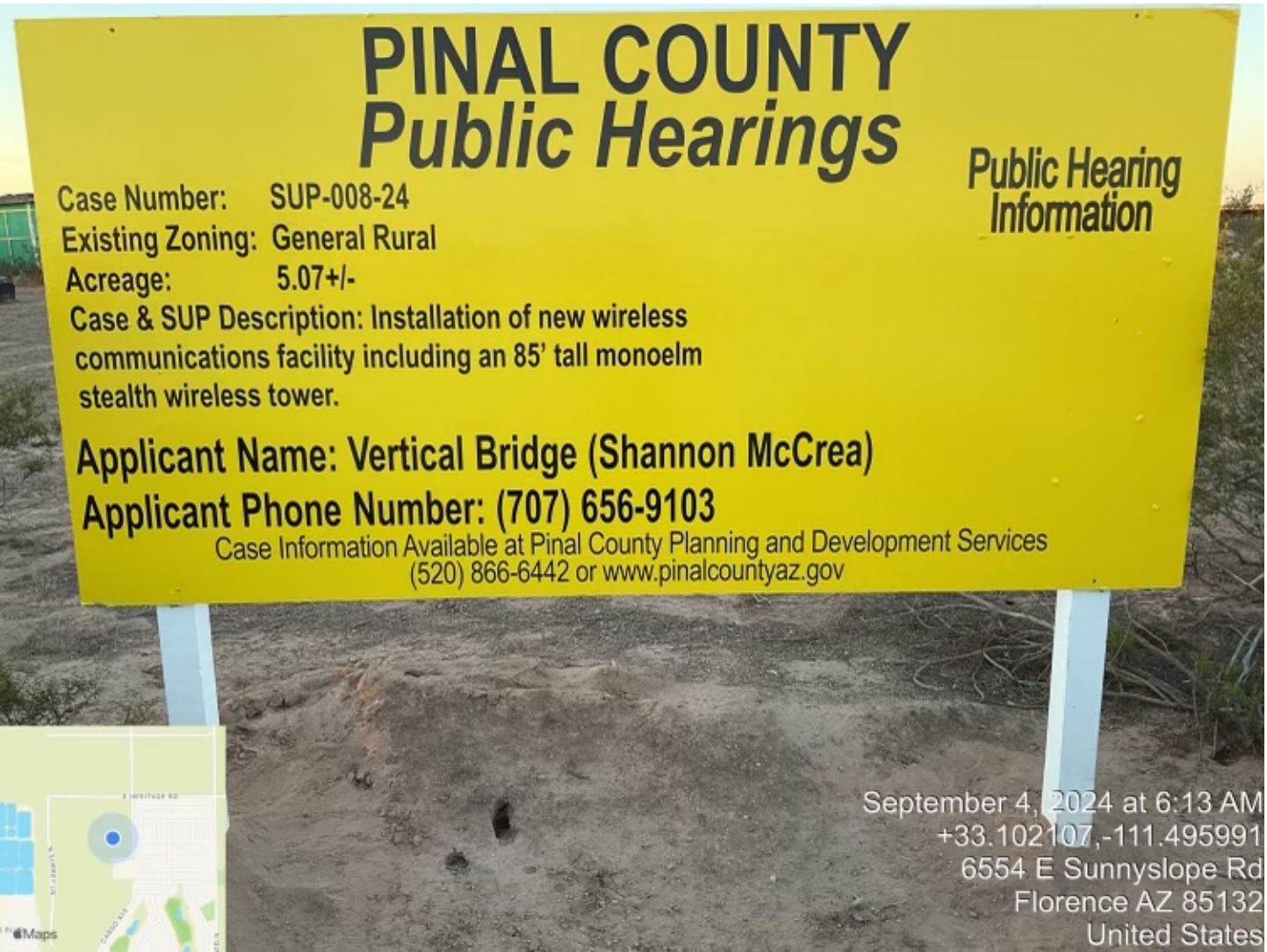
IN WITNESS WHEREOF, I Hereto set my hand and official seal.

MaryBeth Conrad
Notary Public

MARYBETH CONRAD
Notary Public - Arizona
Maricopa County
Commission # 591461
My Comm. Expires Oct 25, 2024

My Commission expires: 10-25-24


PINAL COUNTY
Public Hearings
Public Hearing Information
Case Number: SUP-008-24
Existing Zoning: General Rural
Acreage: 5.07+/-
Case & SUP Description: Installation of new wireless communications facility including an 85' tall monoelm stealth wireless tower.
Applicant Name: Vertical Bridge (Shannon McCrea)
Applicant Phone Number: (707) 656-9103
Case Information Available at Pinal County Planning and Development Services
(520) 866-6442 or www.pinalcountyaz.gov
Maps
September 4, 2024 at 6:37 AM
+33.101089,-111.496074
6497 E Sunnyslope Rd
Florence AZ 85132
United States


PINAL COUNTY
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+33.102107,-111.495991
6554 E Sunnyslope Rd
Florence AZ 85132
United States