Leo Lew
County Manager

MEETING DATE: JANUARY 8, 2025

TO: PINAL COUNTY BOARD OF SUPERVISORS

CASE NO.: **SUP-017-24 (Supernova Wireless Communications Facility)**

CASE COORDINATOR: PATRICK ZAIA-ROBERTS, SENIOR PLANNER

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***Executive Summary:***
*This is a request for a Special Use Permit, on behalf of Dollar Self Storage, Owner, Graham Chapman – Pinnacle Consulting LLC, agent, requesting approval of a new Wireless Communication Facility (WCF) on 6.45± acre parcel, in the General Business (CB-2) 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 200-25-002L.

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LEGAL DESCRIPTION: (Legal on File)

TAX PARCELS: 200-25-002L

LANDOWNER/APPLICANT: Dollar Self Storage (Owner)
Graham Chapman – Pinnacle Consulting LLC (agent/applicant)
Scott Hopper – Pinnacle Consulting LLC (agent/applicant)

REQUESTED ACTION & PURPOSE:
**SUP-017-24 – PUBLIC HEARING/ACTION:** Graham Chapman, Scott Hopper - Pinnacle Consulting LLC, applicant/agent, Dollar Self Storage #23 LLC, landowner, requesting approval of a Special Use Permit to construct and operate a wireless communication facility, on a 6.45± acre parcel in the General Business (CB-2) Zone; tax parcel 200-25-002L (legal on file) situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located south of E. Heritage Rd and east of Hunt Highway in San Tan Valley, in unincorporated Pinal County.

SIZE: 6.45± acres.

COMPREHENSIVE PLAN: General Commercial.

EXISTING ZONING: The property is within the General Business Zoning District (CB-2).

SURROUNDING ZONING AND LAND USE:
North: General Rural (GR), Vacant/ Residential,
South: CB-2 & R-7, Commercial, Residential
East: CI-2, Industrial
West: CB-2 & R-7, Commercial, Residential

PUBLIC PARTICIPATION P&Z:

| | |
|---|---|
| Neighborhood Meeting(s): | November 7, 2024 |
| Mail outs: | Week of October 31, 2024 |
| Newspaper Advertising: | October 31, 2024 |
| Site posting, Applicant: | October 31, 2024 |
| Site posting, County: | November 4, 2024 |

PUBLIC PARTICIPATION BOS:

| | |
|---|---|
| Newspaper Advertising: | December 19, 2024 |
| Site Posting: | December 16, 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 5242 E Hunt Hwy, Florence, AZ 85132. The lease area of the property can be accessed off E Hunt Hwy, which is classified as public right of way. Dollar Self storage shall provide internal site access to the facility, and will undergo a Site Plan Review amendment to relocate affected parking.

***HISTORY:*** The property was rezoned to CB-2 in 2005 as part of the Lookout Mountain PAD (PZ-PD-027-05) and was developed as a Self-Storage & RV Storage business in 2021 and remains in operation to this day.

***COMMISSION RECCOMENDATION:*** On November 21, 2024,

**ANALYSIS:**

The applicant is requesting a Special Use Permit for the construction of a new Wireless Communications Facility (WCF) located on a General Business (CB-2) zoned parcel that currently hosts a Self-Storage & RV Storage Business. The structure within the WCF will be of stealth design per § 2.205.050 of County Code. The 80 foot, Mono-pine designed structure will be located within an 8 foot high, CMU wall internal to the Storage Facility. The Mono-Pine design will obscure the cell-tower equipment by presenting the appearance of vegetation. The dimension of the entire leased compound area is approximately 16’ by 16’ to be located on the southeast portion 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: ±615’
South: ±132’
West: ±81’
East: ±81’

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 of Supervisors 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-017-24**. 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 of Supervisors may **approve SUP-017-24 with the 13 attached stipulations**. If the Board cannot find the factors listed above to be applicable to this case, then the Board of Supervisors may issue a decision of **denial**.

**To approve:** I move the Pinal County Board of Supervisors approve case SUP-017-24 with 13 stipulations as listed in the staff report.

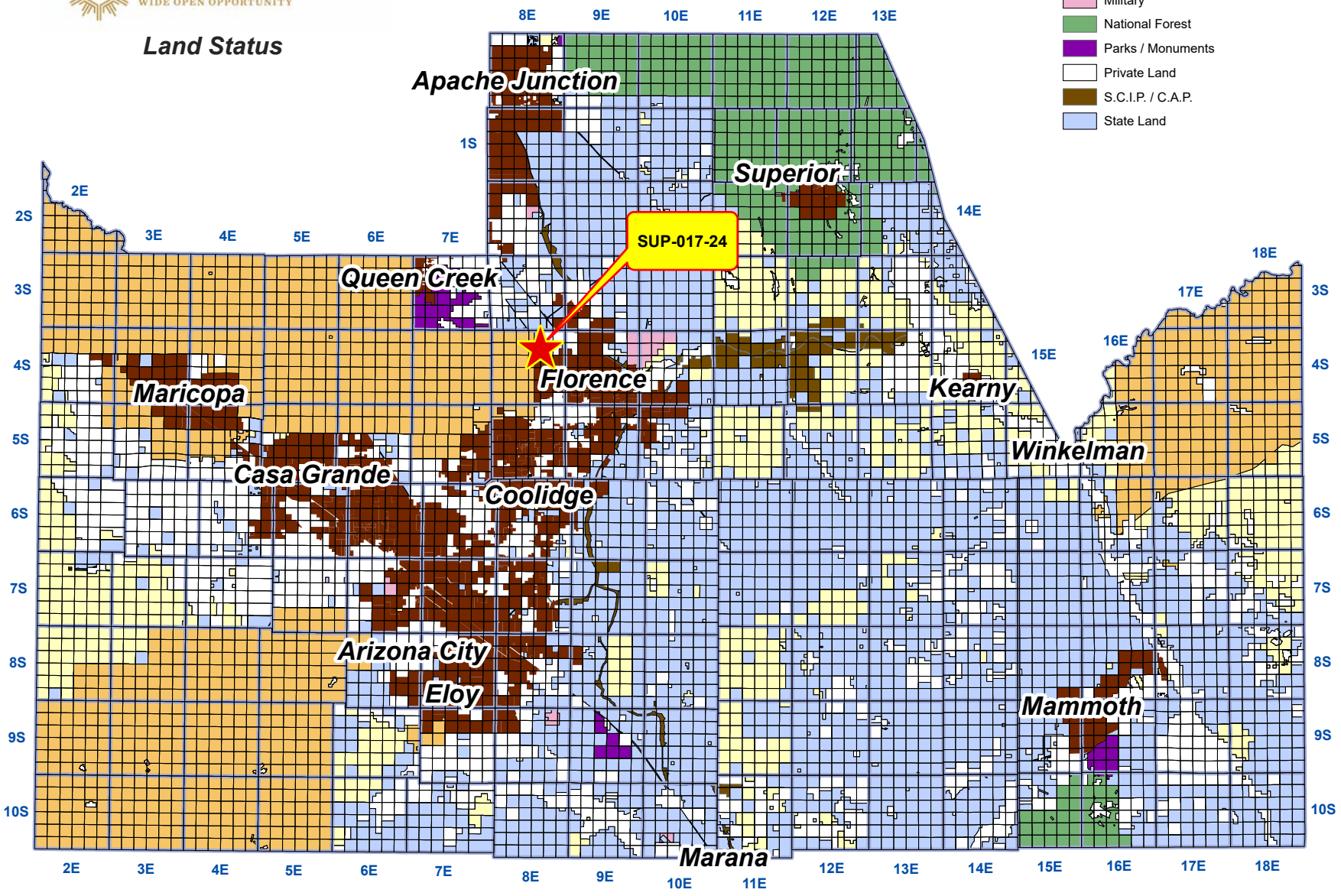
**To deny:** I move the Pinal County Board of Supervisors deny case SUP-017-24.

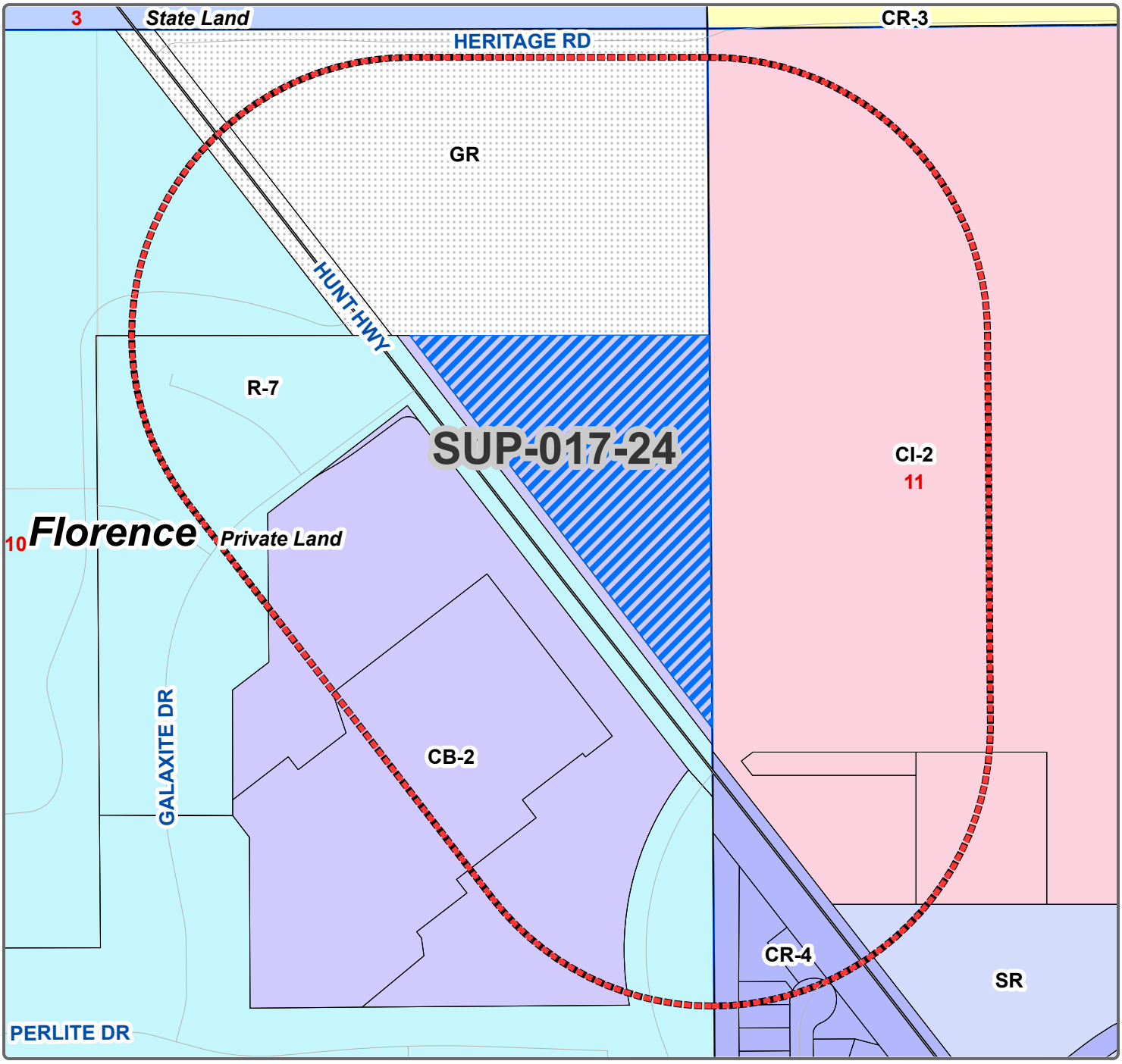
**STIPULATIONS:**

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, 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 200-22-002L in which the WCF is situated;

Date Prepared: 12/22/24 - PZR

Date Revised:


PINAL COUNTY
WIDE OPEN OPPORTUNITY
Land Status
Legend
B.L.M.
Indian Community
Military
National Forest
Parks / Monuments
Private Land
S.C.I.P. / C.A.P.
State Land
SUP-017-24
Apache Junction
Superior
Queen Creek
Florence
Maricopa
Kearny
Winkelman
Casa Grande
Coolidge
Arizona City
Eloy
Mammoth
Marana
1S
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7S
8S
9S
10S
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## *Community Development*

SUP-017-24 – PUBLIC HEARING/ACTION: Graham Chapman – Pinnacle Consulting LLC, applicant/agent, Dollar Self Storage #23 LLC, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a portion of a 6.45± acre parcel in the General Business (CB-2) Zone; tax parcel 200-25-002L – legal on file – situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located northeast of E. Hunt Hwy and approximately 620 feet south of E Heritage Rd in San Tan Valley, Pinal County.

| Current Zoning: CB-2 | Requested Zoning: Rezone | Current Land Use: General Commercial |
|---|---|---|

PINAL COUNTY
WIDE OPEN OPPORTUNITY

**Legal Description:**

Situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located northeast of E. Hunt Hwy and approximately 620 feet south of E Heritage Rd in San Tan Valley, Pinal County.

SEC 10, TWN 04S, RNG 08E

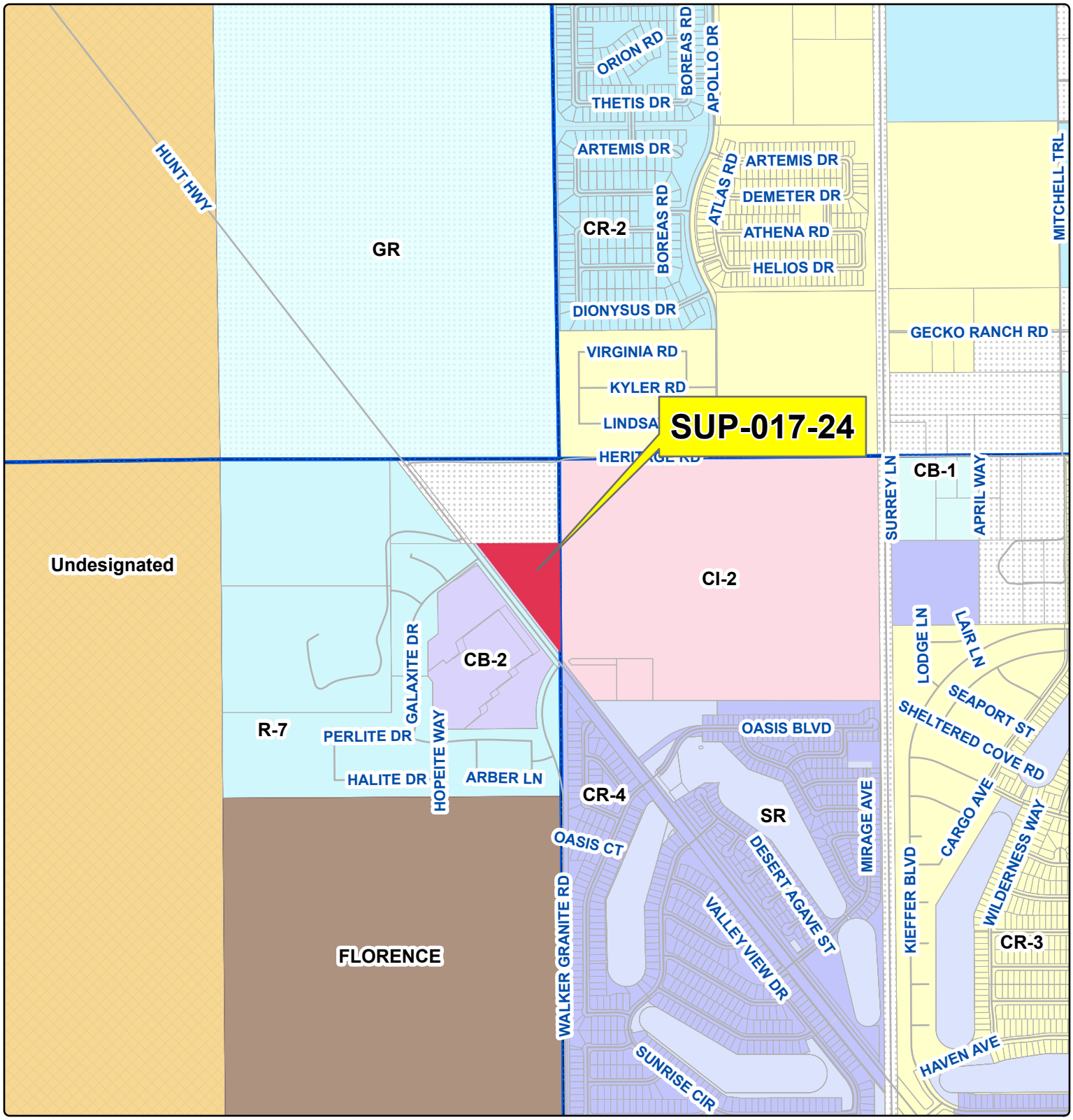
**Sheet No.** 1 of 1

**Owner/Applicant:** GRAHAM CHAPMAN – PINNACLE CONSULTING LLC, APPLICANT/AGENT, DOLLAR SELF STORAGE #23 LLC, LANDOWNER

| Drawn By: | Date: |
|---|---|
| GIS / IT /SAH | 11/19/2024 |

| Section | Township | Range |
|---|---|---|
| 10 | 04S | 08E |

**Case Number:** SUP-017-24




*Community Development*

PINAL COUNTY
WIDE OPEN OPPORTUNITY

**Legal Description:**

Situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located northeast of E. Hunt Hwy and approximately 620 feet south of E Heritage Rd in San Tan Valley, Pinal County.

SEC 10, TWN 04S, RNG 08E

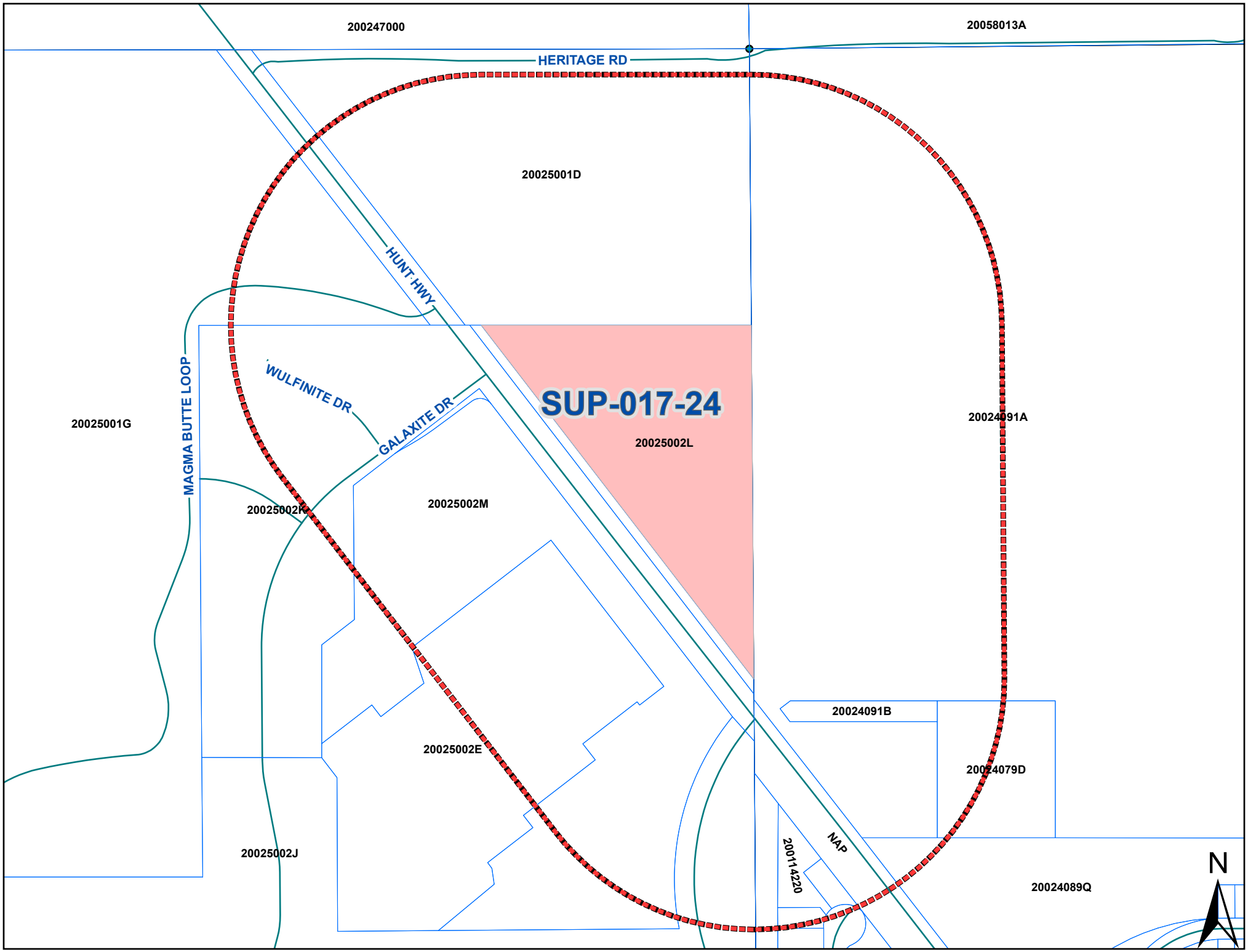
| | | |
|---|---|---|
| Sheet No. 1 of 1 | Owner/Applicant: GRAHAM CHAPMAN – PINNACLE CONSULTING LLC, APPLICANT/AGENT, DOLLAR SELF STORAGE #23 LLC, LANDOWNER | |
| | Drawn By: GIS / IT / SAH | Date: 11/19/2024 |
| | Section 10 | Township 04S / Range 08E |
| | Case Number: SUP-017-24 | |

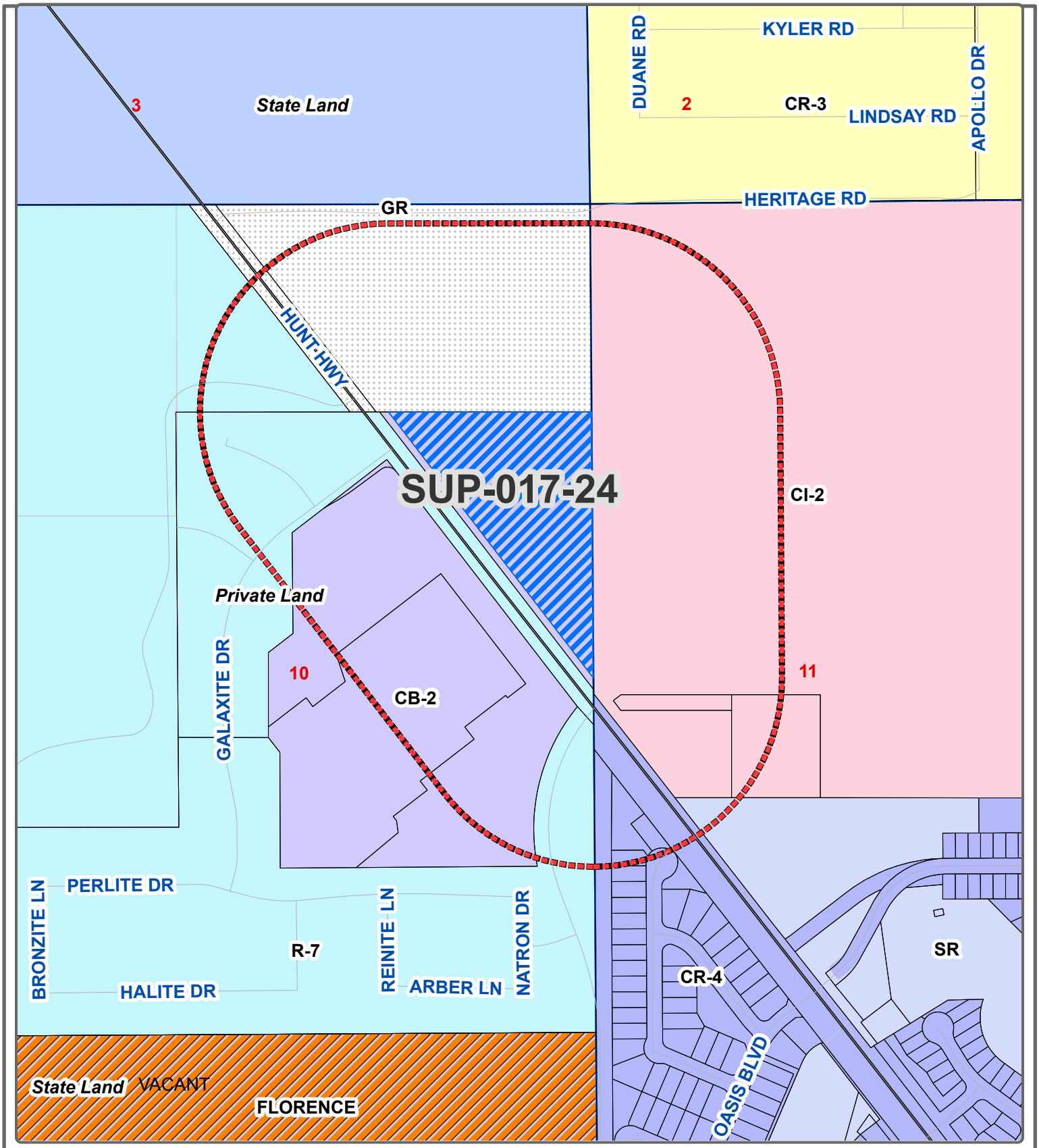



***Community Development***

PINAL COUNTY
WIDE OPEN OPPORTUNITY

**SUP-017-24**


200247000
20058013A
HERITAGE RD
20025001D
HUNT HWY
MAGMA BUTTE LOOP
WULFINITE DR
GALAXITE DR
SUP-017-24
20025001G
20025002L
20024091A
20025002K
20025002M
20024091B
20025002E
20024079D
20025002J
NAP
20011422O
20024089Q
N




## Community Development

| | | |
|---|---|---|
| **Owner/Applicant:** Graham Chapman – Pinnacle Consulting LLC, applicant/agent, Dollar Self Storage #23 LLC, landowner | **Legal Description:** Situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located northeast of E. Hunt Hwy and approximately 620 feet south of E Heritage Rd in San Tan Valley, Pinal County. SEC 10, TWN 04S, RNG 08E | Current Zoning: CB-2<br>Request Zoning: Rezone<br>Current Land Use: General Commercial |
| **Drawn By:** GIS/IT - SAH; **Date:** 11/19/2024 | | |
| **Section** 10; **Township** 04S; **Range** 08E | | |
| **Case Number:** SUP-017-24 | Sheet No. 1 of 1 | PINAL COUNTY WIDE OPEN OPPORTUNITY |

**Pinal Central Dispatch**

Publication Name:
**Pinal Central Dispatch**

Publication URL:
**www.pinalcentral.com**

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

Publication County:
**Pinal**

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Notice Popular Keyword Category:

Notice Keywords:
**SUP-017-24**

Notice Authentication Number:
**202411181051351239443**
**1132462850**

Notice URL:

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Notice Publish Date:
Thursday, October 31, 2024

**Notice Content**

NOTICE OF PUBLIC HEARING BY THE PINAL COUNTY PLANNING AND ZONING COMMISSION AT 9:00 A.M. ON THE 21ST DAY OF NOVEMBER 2024, AT THE PINAL COUNTY ADMINISTRATIVE COMPLEX, EMERGENCY OPERATIONS CENTER (EOC), 85 N FLORENCE ST, FLORENCE, ARIZONA, TO CONSIDER AN APPLICATION FOR A SPECIAL USE PERMIT IN THE UNINCORPORATED AREA OF PINAL COUNTY, ARIZONA. SUP-017-24 - PUBLIC HEARING/ACTION: Graham Chapman Pinnacle Consulting LLC, applicant/agent, Dollar Self Storage #23 LLC, landowner, requesting approval of a Special Use Permit to operate a wireless communication facility, on a portion of a 6.45+ acre parcel in the General Business (CB-2) Zone; tax parcel 200-25-002L - legal on file - situated in a portion of Section 10, Township 04 South, Range 08 East, of the G.S.R.B.&M., Pinal County, Arizona, located northeast of E. Hunt Hwy and approximately 620 feet south of E Heritage Rd in San Tan Valley, PinalCounty. 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) A brief statement of reasons for supporting or opposing the request 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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# NARRATIVE

PROJECT NAME: AZ03-190 Supernova / AZ5 Oasis Golf Club

APPLICANT: Sun State Towers

REQUEST: Approval of New Wireless Communication Facility on Parcel 200-25-002L




**Graham Chapman**
**Site Acquisition Specialist II**
**Pinnacle Consulting, Inc.**
1426 N Marvin St, Ste 101
Gilbert, AZ 85233
M: (650) 815-5267
O: (480) 664-9588 ext. 255
F: (480) 664-9850
E: graham.chapman@pinnacleco.net

Purpose of Application

The purpose of this request is to better the wireless telecommunication infrastructure and cellular service near Northwestern Florence, San Tan Valley, and the Oasis Golf Club community.

Currently, there is a significant lack of service in the neighborhood and surrounding uses around the proposed site, and mobile phones are reporting low-quality connections for both indoor and outdoor service. This is critical to fix, because 96% of Americans own a cellular phone and 57% of American homes rely exclusively on cellular phones.

Sun State develops towers throughout the southwest with a focus on providing Wireless Communication Facilities (WCF) for multiple wireless carriers, and if approved, this proposed Sun State WCF will close a significant gap in coverage in the least intrusive way possible for Verizon Wireless per the Telecommunication Act of 1996 (TCA).

Description of Proposal

Our proposal is to place an 80' tall wireless facility stealthed as a pine tree (80' at top of branches, 75' at top of steel) within the parcel belonging to the Dollar Storage at 5242 E Hunt Hwy, Florence, AZ 85132. We'd like to place the facility in a 1,260-square-foot CMU block-wall compound in the southern-most corner of their property, hugging one of their existing storage buildings. The land use will still be for a storage facility, but will also include an unmanned wireless communication facility, which conforms to the General Commercial comprehensive plan by providing service for the variety of retail and wholesale and industrial uses in the area through wireless service.

Why this Location

- **Interested Landlord**: after reviewing the area and sending interest letters to multiple landowners in the area, the good folks at Dollar Self Storage were the only ones to respond and express interest in helping out there area by hosting this additional use. Furthermore, a review of the land shows a lack of existing verticality needed for a rooftop facility or a collocation project.
- **Appropriate Zoning**: The property is zoned CB-2 (General Business Zone), a commercial zone n which we are doing a special use permit application to zone it correctly, but the use is relevant and applicable to this commercial zone because the purpose of the General Commercial comprehensive plan is to provide service for a variety of retail and wholesale and industrial uses in the area, which wireless communication can benefit on every level.
- **Technologically Feasible**: our proposed location has the ability to meet all coverage needs while also accounting for exiting commercial power and Fiber connection available on property, as well as existing paved access from the public ROW to the proposed WCF.

- **Added Stealthing / Least Intrusive Design**: this structure will be designed as an 80’ pine tree to adequately stealth the top of the antennas as well as the steel structure. Furthermore, with an 8’ CMU block wall to hide the ground equipment as well as being further stealthed by an existing CMU block wall covering the entire property and large storage buildings further adding cover to the structure. Also, the structure height will ensure that at least 3 carriers can collocate onto it (at 71’, 61’, and 51’), which will reduce the negative proliferation of un-collocatable towers.

Conclusion

Citizens will not be unduly affected by this WCF, and will benefit by the improved dependability, coverage, and high-quality wireless communications for personal, business and emergency uses. Sun State Towers is committed to developing the best wireless system for this area while working cooperatively with Pinal County.

PINAL COUNTY
WIDE OPEN OPPORTUNITY

Leo Lew
County Manager

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: 10/15/2024 **2.** Pre-application Number: Z-PA- 094-24

**3.** The legal description of the property: BEGINNING AT THE NORTHEAST CORNER OF PARCEL 2 AS DESCRIBED IN FEE NUMBER 2006-007265, LOCATED IN SECTION 10, TOWNSHIP 04 SOUTH, RANGE 08 EAST, THENCE SOUTH 855.84 FEET, THENCE NORTH 37 DEGREES WEST 1080.35 FEET, THENCE EAST 656.96 FEET TO THE POINT OF BEG

**4.** Tax Assessor Parcel Number(s): 20025002L **5.** Current Zoning: CB-2

**6.** Parcel size: 6.45 acres

**7.** The existing use of the property is as follows: commercial (self-storage facility)

**8.** The exact use proposed under this request: new multi-carrier wireless communication facility (WCF)

**9.** Is the property located within three (3) miles of an incorporated community? yes If yes, which ones? San Tan Valley & Florence

**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: Area is within PAD PZ-PD-027-05, who's purpose is to correlate various uses to provide a desirable and stable environment. A new WCF will close a significant gap in coverage in the least intrusive way possible to help provide this stable and desirable environment.

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: Least intusive design (monopine) to reduce visual impact while offering a solution to provide the wireless service needed.

2. Note any services that are not available to the site. Discuss and improvements of services that would be provided to support the use: All services are existing and in-place. No water/sewer needed. No impact on traffic.

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). unmanned site, 1 visit/year _____, Show ingress/egress on the site plan.

7. How many parking spaces are to be provided (employees and customers)? three 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? no, there are no excessive noise levels, it's an almost silent facility that borders a wastewater site

9. What type of landscaping are you proposing to screen this use from your neighbors? 8' CMU block wall to hide equipment from public view. Also behind huge 20' building.. 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. Will only have signs on CMU block wall compound per FAA & FCC regulations

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. we're proposing a stealthed pine tree to hide antennas and CMU block wall to hide ground equipment

**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.**

| Sun State Towers | 1426 N Marvin St, Ste 101 Gilbert, AZ 85233 |
|---|---|
| Name of Applicant | Address |
| Graham Chapman | graham.chapman@pinnacleco.net (480) 664-9588 ext. 255 |
| Signature of Applicant | E-Mail Address Phone Number |

| Graham Chapman | 1426 N Marvin St, Ste 101 Gilbert, AZ 85233 |
|---|---|
| Name of Agent/Representative | Address |
| Graham Chapman | graham.chapman@pinnacleco.net (480) 664-9588 ext. 255 |
| 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.**

| Dollar Self Storage 23, LLC<br>Manager – SP Management Holdings, LLC<br>John C. Thomson | 26 Executive Park, Suite 290<br>Irvine, CA 92614 |
|---|---|
| Name of Landowner | Address |
| | (949) 783-5377 x236 |
| Signature of Landowner | jackt@dollarselfstorage.com |
| | 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.**

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

I hereby verify that the name list above was obtained on the 15th day of October, 2024, at the office of Pinal County Web Portal and is accurate and complete to the best of my knowledge.
(Source of Information)

On this 16th day of October, 2024, before me personally appeared Graham Chapman
(Name of signor)

Signature [signature] Date Oct. 16th 2024

State of Arizona

County of Maricopa ) ss.

(SEAL)

My Commission Expires 3/18/2027

Michelle Lamoureux
Printed Name of Notary

[signature]
Signature of Notary

MICHELLE LAMOUREUX
Notary Public - Arizona
Maricopa County
Commission # 643128
My Comm. Expires Mar 18, 2027

,

RESIDENTIAL HOME BUYER PH...
PO BOX 4090
SCOTTSDALE, AZ 85261

POCKRANDT NANCY
24663 N GOOD PASTURE LN
FLORENCE, AZ 85132

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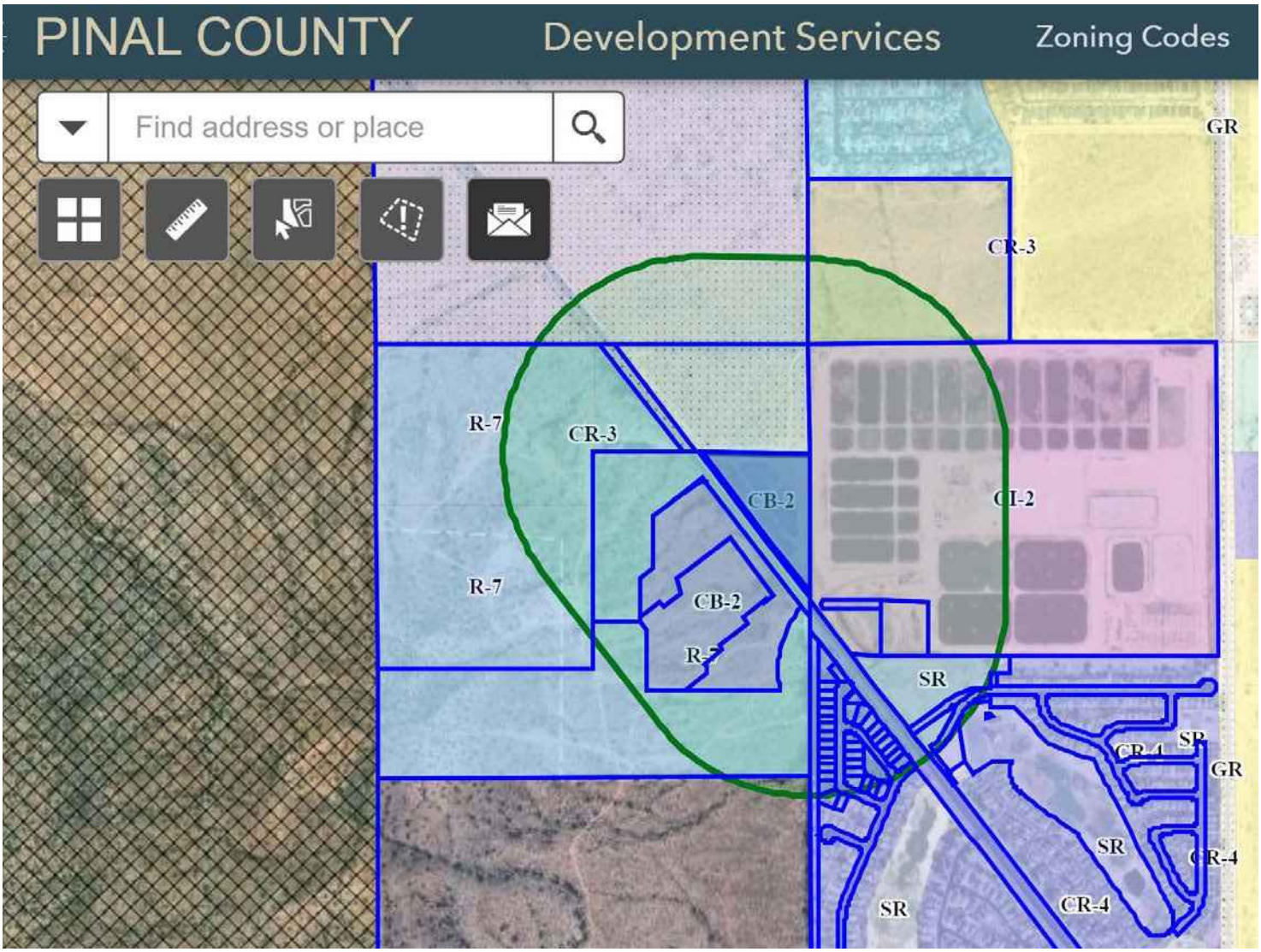
PINAL COUNTY
PO BOX 827
FLORENCE, AZ 85132

DOLLAR SELF STORAGE #23 LL...
14850 N SCOTTSDALE RD STE ...
SCOTTSDALE, AZ  85254

SMITHS FOOD & DRUG CENTE...
1014 VINE ST FL 7
CINCINNATI, OH  45202

BARCLAY HOLDINGS XLIII LLC
2415 E CAMELBACK RD STE 90...
PHOENIX, AZ  85016

1200' Buffer Map:



**CORPORATE PROPERTY OWNER SIGNATURE BLOCK AND ACKNOWLEDGMENT**

Dollar Self Storage #23, LLC
*[Insert Company's or Trust's Name]*

By: _____
*[Signature of Authorized Officer, or Trustee]*

Its: Manager
*[Insert Title]*

Dated: October 24, 2024

STATE OF_____)
) ss.
COUNTY OF_____)

The foregoing instrument was acknowledged before me, this_____ day of _____, 20____ by

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

_____, _____an,
*[Name of Company or Trust]* *[Insert State of Incorporation, if applicable]*

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

My Commission Expires: _____

_____ _____
Printed Name of Notary Signature of Notary

**ALTERNATE: Use the following acknowledgment only when a second company is signing**

**On behalf of the owner:**

STATE OF_____)
) ss. (Seal)
COUNTY OF_____)

The foregoing instrument was acknowledged before me, this_____ day of _____, 20____ by
_____, who acknowledges himself/herself to be
*[Insert Signor's Name]*

_____, of _____
*[Title of Office Held]* *[Second Company]*

As _____ for _____, and who being
*[i.e. member, manager, etc.]* *[Owner's Name]*

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

My Commission Expires_____

_____ _____
Printed Name of Notary Signature of Notary

**CALIFORNIA ACKNOWLEDGMENT** CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Orange }

On October 24, 2024 before me, Deborah Anne Johnson, Notary Public
*Date* *Here Insert Name and Title of the Officer*

personally appeared John C. Thomson
*Name(s) of Signer(s)*

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

DEBORAH ANNE JOHNSON
Notary Public - California
Orange County
Commission # 2410342
My Comm. Expires Aug 6, 2026

*Place Notary Seal and/or Stamp Above*

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____
*Signature of Notary Public*

**OPTIONAL**

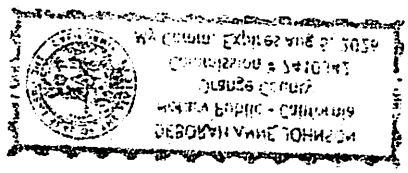
*Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.*

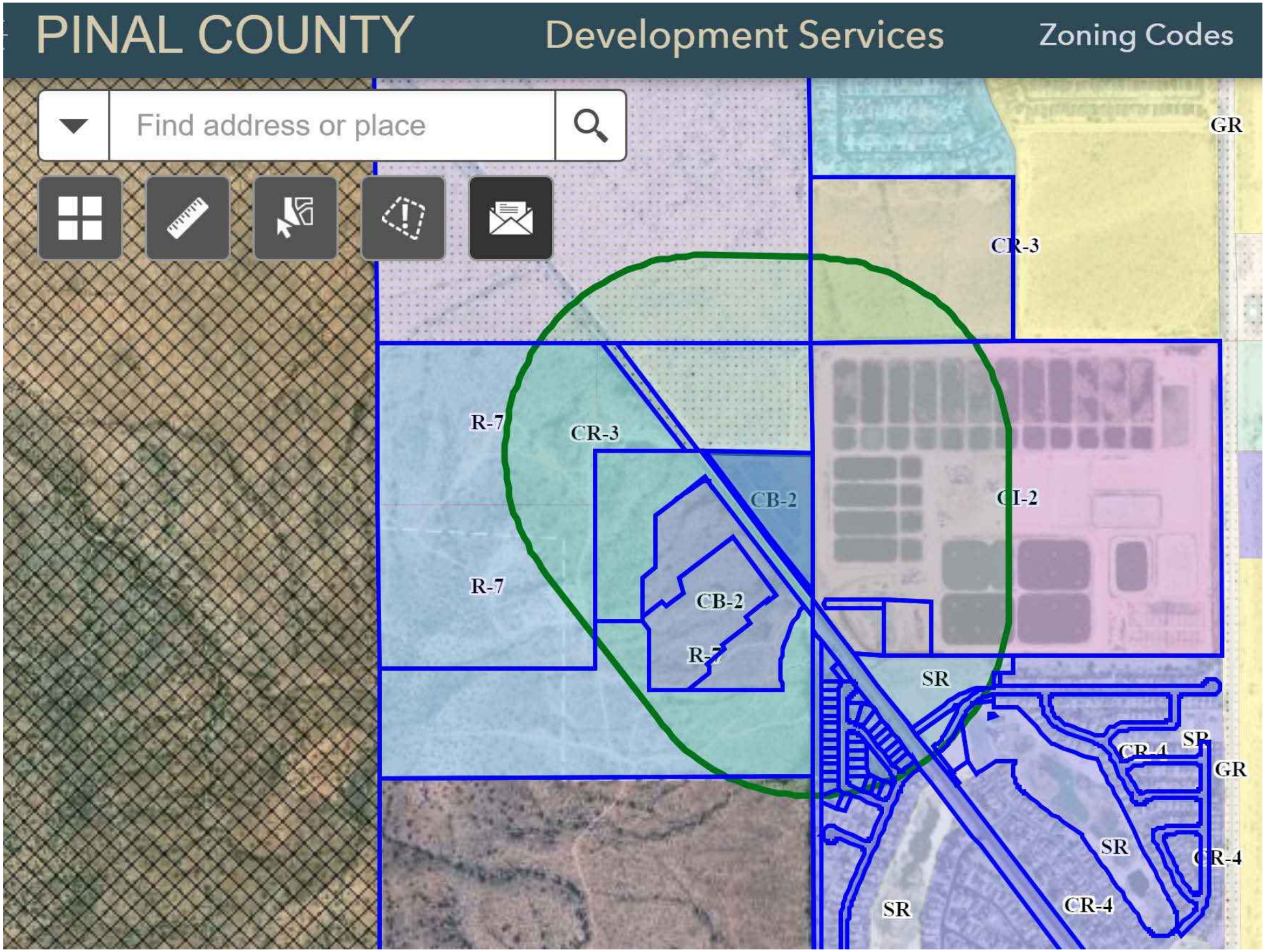
**Description of Attached Document**
Title or Type of Document: App SUP Pinal County Page 7
Document Date: _____ Number of Pages: _____
Signer(s) Other Than Named Above: _____

**Capacity(ies) Claimed by Signer(s)**

| | |
|---|---|
| Signer's Name: _____ | Signer's Name: _____ |
| ☐ Corporate Officer – Title(s): _____ | ☐ Corporate Officer – Title(s): _____ |
| ☐ Partner – ☐ Limited ☐ General | ☐ Partner – ☐ Limited ☐ General |
| ☐ Individual ☐ Attorney in Fact | ☐ Individual ☐ Attorney in Fact |
| ☐ Trustee ☐ Guardian or Conservator | ☐ Trustee ☐ Guardian or Conservator |
| ☐ Other: _____ | ☐ Other: _____ |
| Signer is Representing: _____ | Signer is Representing: _____ |

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PINAL COUNTY
Development Services
Zoning Codes
Find address or place
GR
CR-3
R-7
CR-3
CB-2
CI-2
R-7
CB-2
R-7
SR
SR
GR
SR
CR-4
SR
CR-4

October 18th, 2024

RE: Neighborhood meeting for new proposed Wireless Communication Facility (AZ03-190 Supernova)
Near the cross streets of N Hunt Hwy and N Magma Butte Loop
Coordinates: Latitude 33.1003994°, Longitude -111.5080938°

Dear Neighbor,

You are receiving this letter because according to Pinal County Assessors records, you are a property owner located in the area near a property that may be home to a new wireless communication facility.

Pinnacle Consulting, on behalf of Sun State Towers for Verizon Wireless, is proposing a new wireless facility to help fill the service gap in wireless coverage in the area and to allow for increased access to advanced wireless voice and data service in your area. They are proposing an 80' tall camouflaged structure at the Dollar Self Storage capable of handling multiple wireless carriers, and the associated ground equipment will be placed in a block wall enclosure totally hidden behind the storage facility's existing walls.

Pinnacle Consulting, Inc. will hold a neighborhood meeting on Thursday evening, November 7th at San Tan Valley Library for the purpose of providing information concerning the proposed construction. Below is the specific meeting info.

**Where**: The Bronze Room at San Tan Valley Library
31505 N Schnepf Rd, San Tan Valley, AZ 85140
**When**: Thursday, November 7th from 5:30pm to 6:30pm

If you have questions concerning this matter but are unable to attend or have comments, please feel free to email your comments to graham.chapman@pinnacleco.net or call 480-664-9588 ext. 255.

Sincerely,

**Graham Chapman**
**Site Acquisition Specialist II**
1426 N Marvin St, Suite 101
Gilbert, AZ 85233
O: (480) 664-9588 ext. 255
F: (480) 664-9850
E: graham.chapman@pinnacleco.net

**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 1200 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.

| | |
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| Parcel No.: | Parcel No.: |
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| City/ST/Zip: | City/ST/Zip: |
| Parcel No.: | Parcel No.: |
| Name: | Name: |
| Address: | Address: |
| City/ST/Zip: | City/ST/Zip: |
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| Name: | Name: |
| Address: | Address: |
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I hereby verify that the name list above was obtained on the 15th day of October, 2024, at the office of Pinal County Web Portal and is accurate and complete to the best of my knowledge.
(Source of Information)

On this 16th day of October, 2024, before me personally appeared Graham Chapman
(Name of signor)

Signature [signature] Date Oct. 16th 2024

State of Arizona

County of Maricopa ) ss.

(SEAL)

My Commission Expires 3/18/2027

Michelle Lamoureux
Printed Name of Notary

[signature]
Signature of Notary

MICHELLE LAMOUREUX
Notary Public - Arizona
Maricopa County
Commission # 643128
My Comm. Expires Mar 18, 2027

,

RESIDENTIAL HOME BUYER PH...
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SCOTTSDALE, AZ 85261

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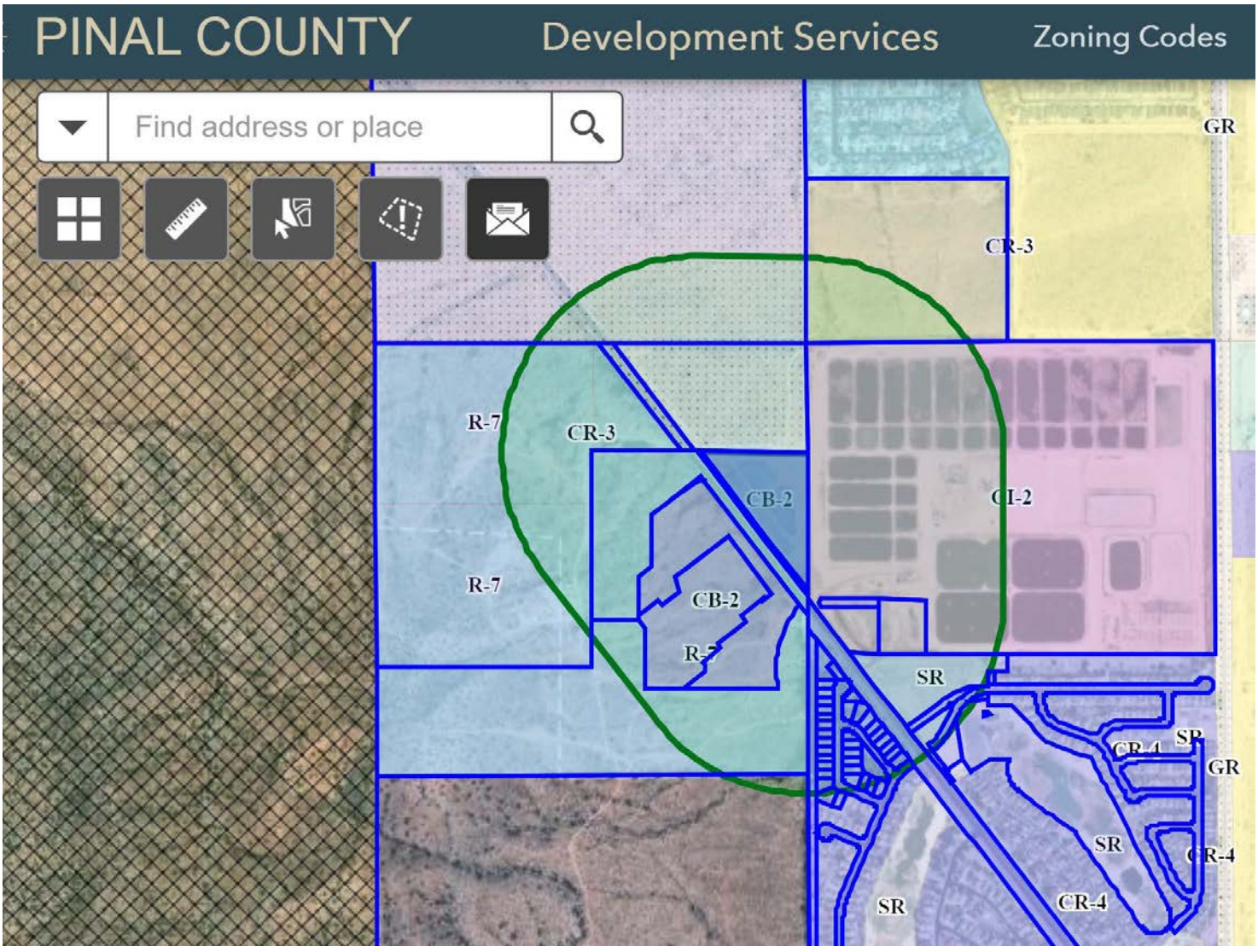
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1014 VINE ST FL 7
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BARCLAY HOLDINGS XLIII LLC
2415 E CAMELBACK RD STE 90...
PHOENIX, AZ  85016

1200' Buffer Map:



PROJECT AZ03-190 SUPERNOVA

Attendance Sign-In Sheet

Thursday, November 7th, 2024 5:30pm – 6:30pm San Tan Valley Library

| Name (Print) | Address |
|---|---|
| | |
| | |
| | |

PROJECT AZ03-190 SUPERNOVA

Meeting Minutes

Thursday, November 7th, 2024 | 5:30pm – 6:30pm | San Tan Valley Library

- No attendants

SUN STATE TOWERS

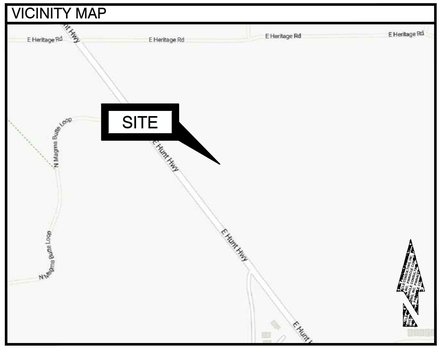
# AZ03-190 SUPERNOVA

## APN: 200-25-002H
## 5242 E HUNT HWY
## FLORENCE, AZ 85132
## PINAL COUNTY

### SITE DIRECTIONS

DEPART 1426 N. MARVIN ST., GILBERT, AZ 85233. TURN LEFT THEN IMMEDIATELY TURN RIGHT ONTO N. MARVIN ST. TURN LEFT ONTO W. MERRILL AVE. TURN LEFT ONTO N. COOPER RD. ROAD NAME CHANGES TO S. STAPLEY DR. TAKE RAMP RIGHT FOR US-60 EAST TOWARDS GLOBE. AT EXIT 190B, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR AZ-202 LOOP SOUTH. AT EXIT 34A, TAKE RAMP RIGHT AND FOLLOW SIGNS FOR AZ-24 EAST. TAKE RAMP RIGHT FOR S. ELLSWORTH RD. KEEP STRAIGHT TO GET ONTO S. ELLSWORTH LOOP RD. ROAD NAME CHANGES TO N. ELLSWORTH RD. KEEP STRAIGHT TO GET ONTO W. HUNT HWY. ROAD NAME CHANGES TO E. HUNT HWY. ARRIVE (LAST INTERSECTION BEFORE DESTINATION IS N. MAGMA BUTTE LOOP)

### VICINITY MAP




### PROJECT DESCRIPTION

**SCOPE OF WORK**

- REMOVE ±27'-1" SECTION OF EXISTING CURB
- INSTALL NEW 90 LINEAR FEET x 8'-0" TALL CMU WALL
- INSTALL 4 LINEAR FEET x 8'-0" TALL WROUGHT IRON FENCE
- INSTALL NEW 75'-0" MONOPINE
- INSTALL NEW 4'-0"x12'-0" CONCRETE PAD
- INSTALL NEW 4'-0"x10'-0" CONCRETE PAD
- INSTALL NEW ELECTRICAL SERVICE
- INSTALL NEW TELCO SERVICE
- INSTALL NEW FIBER VAULT
- INSTALL NEW 112 KVA TRANSFORMER
- INSTALL NEW ELECTRICAL JUNCTION BOX
- INSTALL [3] NEW PARKING SPACES

### SHEET INDEX


| | |
|---|---|
| T-1 | PROJECT INFORMATION |
| GN-1 | GENERAL NOTES |
| LS-1 | SITE SURVEY |
| LS-2 | SITE SURVEY |
| LS-3 | SITE SURVEY |
| A-1 | OVERALL SITE PLAN |
| A-2 | EXISTING SITE PLAN |
| A-3 | NEW SITE PLAN |
| A-4 | ENLARGED SITE PLAN |
| A-5 | ELEVATIONS |
| A-6 | ELEVATIONS |
| A-7 | DETAILS |
| A-8 | DETAILS |
| A-9 | DETAILS |
| E-1 | ELECTRICAL NOTES |
| E-2 | ELECTRICAL DETAILS |
| E-3 | ONE-LINE DIAGRAM & FAULT CALC'S |
| E-4 | GROUNDING PLAN AND GROUNDING DETAILS |


### CONTACT INFORMATION

**CLIENT:**
SUN STATE TOWERS
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: CHAD WARD
PHONE: [602] 463-9514

**PROPERTY OWNER:**
SEVILLE INVESTMENTS LLC
26 EXECUTIVE PARK, STE 290
IRVINE, CA 92614
CONTACT: DEBBIE JOHNSON
PHONE: [949] 404-4524

**TOWER OWNER:**
SUN STATE TOWERS
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: CHAD WARD
PHONE: [480] 664-9588 EXT. 214

**SITE ACQUISITION:**
PINNACLE CONSULTING, INC.
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: MICHELLE JOHNSON
PHONE: [480] 664-9588 ext. 230

**ENGINEER:**
PINNACLE CONSULTING, INC.
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: KYLE FORTIN, PE
PHONE: [623] 217-4235

### PROJECT DATA

| | |
|---|---|
| **ZONING:** | CB-2 |
| **PARCEL #:** | 200-25-002H |
| **USE:** | UNMANNED COMMUNICATIONS |
| **NEW LEASE AREA:** | 1215 SQ. FT |
| **UTILITY COMPANY** | APS |
| **JURISDICTION:** | PINAL COUNTY |
| **GOVERNING CODES:** | 2018 IBC, 2018 IFC, 2018 IMC, 2017 NEC |

ALL BUILDING CODES LISTED ABOVE SHALL INCLUDE AMENDMENTS BY THE GOVERNING JURISDICTION

### NEW SITE LOCATION

| | | |
|---|---|---|
| LATITUDE | 33.1003994° | 33° 06' 01.438" N [NAD83] |
| LONGITUDE | -111.5080938° | -111° 30' 29.138" W [NAD83] |
| GROUND ELEVATION | | 1543.6' [NAVD88] |

### GENERAL NOTES

1. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE HEALTH AND SAFETY STANDARDS FOR ELECTROMAGNETIC FIELD EMISSIONS AS ESTABLISHED BY THE FEDERAL COMMUNICATIONS COMMISSION OR ANY SUCCESSOR THEREOF, AND ANY OTHER FEDERAL OR STATE AGENCY.
2. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE.
3. LIGHTING OR SIGNS WILL BE PROVIDED ONLY AS REQUIRED BY FEDERAL OR STATE AGENCIES.
4. DEVELOPMENT AND CONSTRUCTION OF THIS PROJECT WILL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
5. EXISTING PARKING IS NOT AFFECTED BY THIS PROJECT.
6. THIS PROJECT DOES NOT INCLUDE WATER OR SEWER.

### APPROVALS

[RF]: _____ DATE: _____

[CONST.]: _____ DATE: _____

[RE]: _____ DATE: _____

LANDLORD: _____ DATE: _____

PREPARED FOR:

SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

| | |
|---|---|
| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/17/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | KAF |
| 1 | 05/31/24 | ISSUED FOR PERMIT | M.G. |
| 2 | 08/06/24 | GENERATOR UPDATE | JC |
| 3 | 08/13/24 | UTILITY UPDATES | KAF |
| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
66312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

PROJECT INFORMATION

SHEET NUMBER

T-1

## GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR - SUN STATE TOWERS
   SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
   OWNER - VERIZON WIRELESS
   OEM - ORIGINAL EQUIPMENT MANUFACTURE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. DELETED.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS
10. THE SUBCONCTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED.ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-AOOZ-00002, "GENERAL CONSTRUCTION SERVICES.
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

## CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS,UNLESS NOTED OTHERWISE
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH 3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER 2 IN.
   #5 AND SMALLER & WWF 1-1/2 IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER, NOR CAST AGAINST THE GROUND:
   SLAB AND WALL 3/4 IN.
   BEAMS AND COLUMNS 1-1/2 IN.

5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, U.N.O., IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 3GS-T18-0013" SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
7. CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (2012 IBC 1705.3(3)) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;

   (A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,
   (B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.

   FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.

## MASONRY NOTES:

1. MASONRY WALLS SHALL BE CONSTRUCTED OF 8" STANDARD HOLLOW CONCRETE MASONRY UNITS SHALL VERTICAL REINFORCING WITH #4 BARS IN CENTER OF GROUT AT CENTER OF WALL, CONTINUOUS HEIGHT OF WALL AT ALL CORNERS, INTERSECTIONS, WALL ENDS, BEAM BEARINGS, JAMBS, EACH SIDE OF CONTROL JOINTS AND AT INTERVALS NOT TO EXCEED 48" ON CENTER UNLESS NOTED OTHERWISE. #4 VERTICAL DOWELS INTO FOOTING AT 48" ON CENTER WITH 24" EXTENSION ABOVE TOP OF FOOTING. TIE AT 8'-0" VERTICALLY, WITH SINGLE WIRE TIE. LAP SPLICES SHALL BE 48 BAR DIAMETERS FOR GRADE 60 BARS. LAP SPLICES SHALL BE 1.3 X LAP LENGTH WHEN ADJACENT SPLICES ARE SEPARATED 3" OR LESS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH DOWELS TO MATCH VERTICAL REINFORCING.
2. HORIZONTAL REINFORCING WITH #4 BARS IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT TOP OF A FREESTANDING WALL AND AT FIRST COURSE ABOVE FOOTING. PLACE THESE BARS CONTINUOUS THROUGH CONTROL JOINTS PER TYPICAL DETAIL. PROVIDE BENT BARS, PER TYPICAL DETAILS, TO MATCH HORIZONTAL BOND BEAMREINFORCING AT CORNERS AND WALL INTERSECTION TO MAINTAIN BOND BEAM CONTINUITY. LAP SPLICES SHALL BE 48 BAR DIAMETERS FOR GRADE 60 BARS. STAGGER SPLICES A MINIMUM OF 40 BAR DIAMETERS. DO NOT SPLICE WITHIN 8'-0" OF CONTROL JOINTS. LINTEL REINFORCEMENT SHALL EXTEND BEYOND HORIZONTAL OPENINGS. THE GREATER OF 24 INCHES OR 40 BAR DIAMETERS. WALL OPENINGS SHALL BE HORIZONTALLY REINFORCED ABOVE AND BELOW THE OPENING OPENINGS THE GREATER OF 24 INCHES OR 40 BAR DIAMETERS BEYOND THE OPENING.STANDARD WEIGHT (NO. 9 GA. WIRE) DUR-O-WAL OR DUR-O-WIRE (OR EQUIVALENT) LADDER TYPE JOINT REINFORCEMENT SHALL BE PLACED AT 16" ON CENTER IN MASONRY WALLS.
3. DEFORMED REINFORCING BARS SHALL CONFORM TO ASTM A615 (FY = 60 KSI) FOR ALL BARS. WELDED WIRE FABRIC PER ASTM A185, WIRE PER ASTM A82. NO TACK WELDING OF REINFORCING BARS ALLOWED WITHOUT PRIOR REVIEW OF PROCEDURE WITH THE STRUCTURAL ENGINEER.
4. LATEST ACI CODE AND DETAILING MANUAL APPLY.
5. CONCRETE SHALL HAVE 28 DAY STRENGTH, F'C = 2500 PSI, MINIMUM. 'TYPE II' OR 'TYPE V', ACCORDING TO SOIL CONDITIONS.
6. CLEAR CONCRETE COVERAGE AS FOLLOWS:CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---------- 3"
7. * BASE OF FOOTING SHALL BE A MINIMUM OF 18" BELOW UNDISTURBED GRADE OR 6" BELOW FROST LINE.
8. BASE OF ALL FOOTING EXCAVATIONS SHOULD BE HAND-TAMPED TO ENSURE A STABLE PLATFORM FOLLOWING THE CREATION OF THE FOOTING(S).

## SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE UNDISTURBED NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.

2a. COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.

2b. AS AN ALTERNATIVE TO ITEM 2a, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.

2c. AS AN ALTERNATIVE TO ITEMS 2a AND 2b PROOFROLL THE SUBGRADE SOILS WITH 5 PASSES OF A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL, AND COMPACTED AS STATED ABOVE.

3. COMPACTED SUBBASE SHALL BE UNIFORM & LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

## COMPACTION EQUIPMENT:

HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

## SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE SUBCONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE VERIZON WIRELESS SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

## ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
2. SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
6. POWER PHASE CONDUCTORS (I.E., HOTS)SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS..
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S)..
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILE TIE WRAPS.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
13. POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
23. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
24. CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODS AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

## GROUNDING NOTES:

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 24782-000-3PS-EG00-0001, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR.
    SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
13. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FROM 8 FEET TO 10 FEET.

## SYMBOLS

- S/G — SOLID GROUND BUS BAR
- S/N — SOLID NEUTRAL BUS BAR
- SUPPLEMENTAL GROUND BAR
- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- CHEMICAL GROUND ROD
- GROUND ROD
- DISCONNECT SWITCH
- M — METER
- CADWELD TYPE CONNECTION
- COMPRESSION TYPE CONNECTION
- GROUNDING WIRE

## ABBREVIATIONS

| | |
|---|---|
| AGL | ABOVE GRADE LEVEL |
| BTS | BASE TRANSCEIVER STATION |
| (E) | EXISTING |
| NEW | NEW |
| MIN | MINIMUM |
| N.T.S. | NOT TO SCALE |
| REF | REFERENCE |
| RF | RADIO FREQUENCY |
| TYP | TYPICAL |
| REQ | REQUIRED |
| EGR | EQUIPMENT GROUND RING |
| AWG | AMERICAN WIRE GAUGE |
| CRGB | CELL REFERENCE GROUND BAR (MASTER GROUND BAR) |
| EG | EQUIPMENT GROUND |
| BCW | BARE COPPER WIRE |
| SIAD | SMART INTEGRATED ACCESS DEVICE |
| GEN | GENERATOR |
| IGR | INTERIOR GROUND RING (HALO) |
| RBS | RADIO BASE STATION |


PREPARED FOR:
SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM
PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/17/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | KAF |
| 1 | 05/31/24 | ISSUED FOR PERMIT | M.G. |
| 2 | 08/06/24 | GENERATOR UPDATE | JC |
| 3 | 08/13/24 | UTILITY UPDATES | KAF |
| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
Date Signed 10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

# LESSOR'S LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF PINAL, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1 OF THAT PROPERTY AS DESCRIBED IN A DOCUMENT ENTITLED "SPECIAL WARRANTY DEED" FILED AS FEE NO. 2006–007264 AND PARCEL 2 OF THAT PROPERTY AS DESCRIBED IN A DOCUMENT ENTITLED "SPECIAL WARRANTY DEED" FILED AS FEE NO. 2006–007265 ALL RECORDS OF PINAL COUNTY, ARIZONA, BEING A PORTION OF LAND BEING SITUATED WITHIN THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 NORTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A REBAR WITH CAP ACCEPTED AT THE NORTHEAST CORNER OF SAID PARCEL 2 FROM WHICH A FOUND REBAR WITH CAP ACCEPTED AS THE SOUTHEAST CORNER OF SAID PARCEL 2 THEREOF BEARS SOUTH 00°10'00" EAST, 892.02 FEET;

THENCE SOUTH 00°10'00" EAST, 855.84 FEET ALONG THE EAST LINE OF SAID PARCEL 2 TO A POINT ON THE NORTHEASTERLY RIGHT OF WAY LINE AS SHOWN IN SPECIAL WARRANTY DEED FILED AS DOCUMENT NO. 2008–065676 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE NORTH 37°17'07" WEST, 1080.35 FEET ALONG SAID NORTHEASTERLY LINE TO THE NORTH LINE OF PARCEL 2;

THENCE LEAVING SAID NORTHEASTERLY LINE, NORTH 89°59'29" EAST, 656.96 FEET TO THE AFORESAID NORTHEAST CORNER OF SAID PARCEL 2 BEING THE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO DOLLAR SELF STORAGE #23, LLC, AN ARIZONA LIMITED LIABILITY COMPANY FROM SEVILLE INVESTMENTS LLC, A DELAWARE LIMITED LIABILITY COMPANY, AND THOMSON MANAGEMENT GROUP NV, LP, A NEVADA LIMITED PARTNERSHIP BY SPECIAL WARRANTY DEED DATED MARCH 18, 2021 AND RECORDED MAY 11, 2021 IN INSTRUMENT NO. 2021–058769.

# NOTES

1. ALL TITLE INFORMATION IS BASED UPON A COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE CO, ORDER NO.: 5000003678 EFFECTIVE DATE: 01/03/24.
2. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE.
3. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY AND IS NOT INTENDED TO VERIFY OWNERSHIP.
4. SURVEYOR DOES NOT GUARANTEE THE LOCATION, EXISTENCE, SIZE OR DEPTH OF ANY PUBLIC OR PRIVATE UTILITY. 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.

# FLOODZONE

THIS IS TO CERTIFY THAT THE ABOVE SUBJECT PROPERTY LIES WITHIN ZONE 'X' AS DESIGNATED ON THE FIRM FLOOD INSURANCE RATE MAP, MAP NUMBER 04021C0850E, DATED DECEMBER 4, 2007. ZONE 'X' IS DESIGNATED AS BEING AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THAT CIRCUMSTANCE.

# BENCHMARK

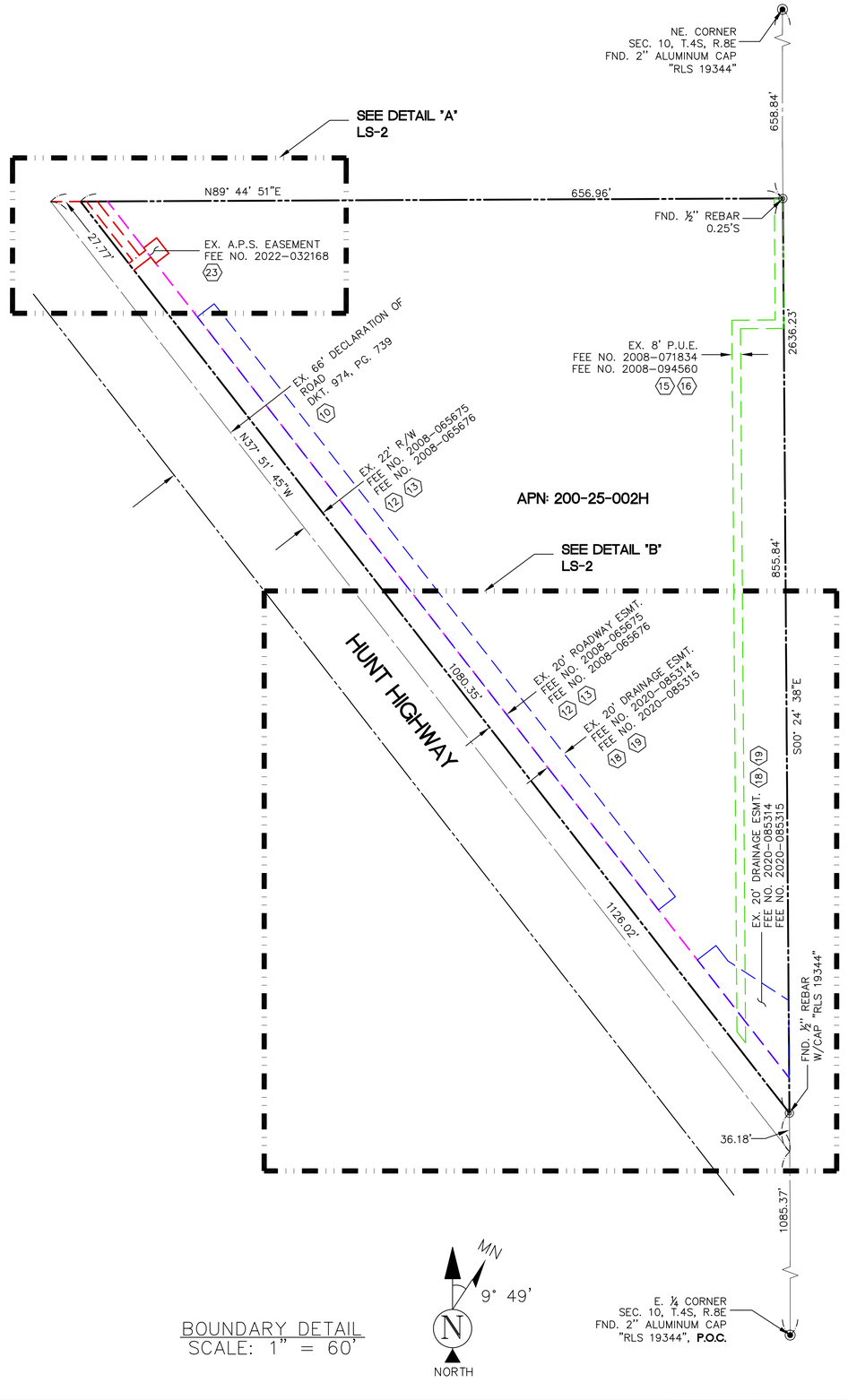
ELEVATIONS SHOWN HEREON ARE REPRESENTED IN NAVD88 ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS, APPLYING GEOID 12A SEPARATIONS.

# BASIS OF BEARING

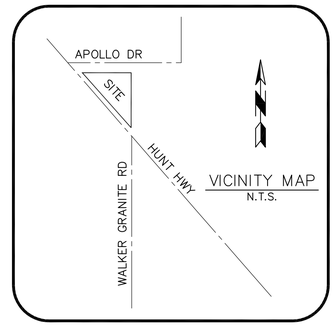
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS.

# SURVEY DATE

THE FIELD SURVEY FOR THE PROJECT WAS COMPLETED ON 02/08/24.




BOUNDARY DETAIL
SCALE: 1" = 60'




# TITLE REPORT SCHEDULE "B" ITEMS

8. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 375, PAGE 572. **(DOES NOT AFFECT)**
9. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 974, PAGE 728. **(DOES NOT AFFECT)**
10. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 974, PAGE 739. **(AS SHOWN ON SURVEY)**
11. DECLARATION OF COVENANTS AND RESTRICTIONS RECORDED ON JANUARY 17, 2006 IN INSTRUMENT NO. 2006–007263. **(BLANKET IN NATURE)**
12. RESOLUTION NO. 070908–RK RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065675. **(AS SHOWN ON SURVEY)**
13. RIGHT OF WAY IN FAVOR OF PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA SET FORTH IN INSTRUMENT RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065676. **(AS SHOWN ON SURVEY)**
14. AGREEMENT TO DONATE REAL PROPERTY AND WAIVER OF APPRAISAL AND COMPENSATION DATED AUGUST 23, 2007, BY AND BETWEEN ROBERT KERLEY AND JOHN C. THOMSON AND ROBERT C. MISTER AND PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA, RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065677. **(AS SHOWN ON SURVEY)**
15. UTILITY EASEMENT AGREEMENT IN FAVOR OF COXCOM, INC., A DELAWARE CORPORATION, OPERATING IN THE STATE OF ARIZONA UNDER THE TRADE NAME COX COMMUNICATIONS ARIZONA SET FORTH IN INSTRUMENT RECORDED ON JULY 30, 2008 IN INSTRUMENT NO. 2008–071834. **(AS SHOWN ON SURVEY)**
16. UTILITY EASEMENT AGREEMENT IN FAVOR OF THE CITY OF MESA, AN ARIZONA MUNICIPAL CORPORATION SET FORTH IN INSTRUMENT RECORDED ON OCTOBER 2, 2008 IN INSTRUMENT NO. 2008–094560. **(AS SHOWN ON SURVEY)**
17. RESOLUTION NO. 1431–14 RECORDED ON APRIL 9, 2014 IN INSTRUMENT NO. 2014–020510. **(BLANKET IN NATURE)**
18. DRAINAGE EASEMENT IN FAVOR OF PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA SET FORTH IN INSTRUMENT RECORDED ON AUGUST 27, 2020 IN INSTRUMENT NO. 2020–085314. **(AS SHOWN ON SURVEY)**
19. RESOLUTION NO. 082620–R020–015 RECORDED ON AUGUST 27, 2020 IN INSTRUMENT NO. 2020–085315. **(AS SHOWN ON SURVEY)**
20. MATTERS AS SHOWN AND NOTED ON SURVEY RECORDED IN INSTRUMENT NO. 2021–007373. **(AS SHOWN ON SURVEY)**
21. CONSTRUCTION DEED OF TRUST AND FIXTURE FILING FROM DOLLAR SELF STORAGE #23, LLC, AN ARIZONA LIMITED LIABILITY COMPANY, GRANTOR(S), TO STEWART TITLE GUARANTY COMPANY, TRUSTEE(S), IN FAVOR OF FARMERS AND MERCHANTS BANK OF LONG BEACH, DATED MAY 6, 2021, AND RECORDED MAY 11, 2021 IN INSTRUMENT NO. 2021–058771, IN THE ORIGINAL AMOUNT OF $7,400,000.00; RE–RECORDED ON AUGUST 22, 2023 IN INSTRUMENT NO. 2023–061983. **(BLANKET IN NATURE)**
22. UCC/FINANCING STATEMENT BETWEEN DOLLAR SELF STORAGE 23, LLC, DEBTOR (S), AND FARMERS AND MERCHANTS BANK OF LONG BEACH, CREDITOR, FILED ON AUGUST 22, 2023, IN THE OFFICIAL RECORDS AS INSTRUMENT NO. 2023–061984. **(AS SHOWN ON SURVEY)**
23. UTILITY EASEMENT IN FAVOR OF ARIZONA PUBLIC SERVICE COMPANY, AN ARIZONA CORPORATION SET FORTH IN INSTRUMENT RECORDED ON MARCH 17, 2022 IN INSTRUMENT NO. 2022–032168. **(AS SHOWN ON SURVEY)**


SUN STATE
TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX: 480-664-9850


SITE NAME:
AZ03–190
SUPERNOVA

SITE ADDRESS:
5242 E. HUNT HWY
FLORENCE, AZ 85132

SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
| 1 | MG | 02/09/24 | SUBMITTAL 1 |
| 2 | MG | 03/01/24 | FINAL SUBMITTAL |
| 3 | MG | 05/13/24 | REVISION |
| 4 | MG | 09/04/24 | REVISION |
| | | | |
| | | | |
| | | | |
| | | | |


TERRAMARK
LAND SURVEYING
24654 N. LAKE PLEASANT PKWY #103–163
PEORIA, AZ 85383
P. 480–440–1748
F. 623–777–1782
www.terramarksurveying.com


REGISTERED LAND SURVEYOR
CERTIFICATE NO.
51969
MARK J.
GRIM
Date signed 09/04/24
ARIZONA, U.S.A.
EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

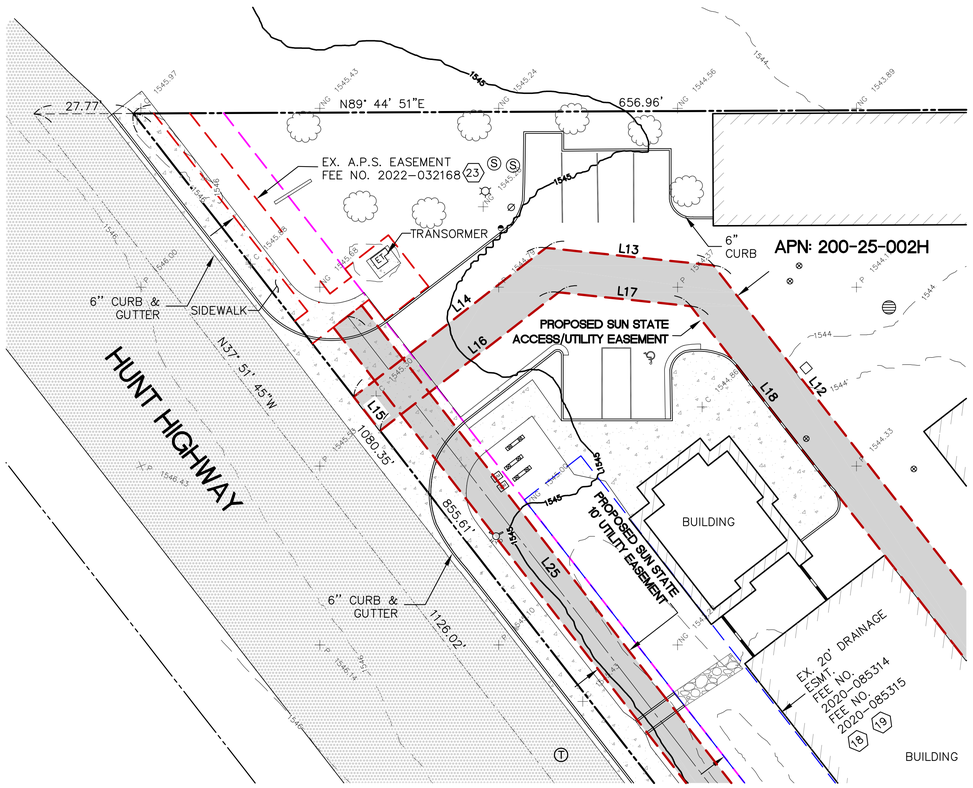
| SHEET NO.: | SHEET NAME: |
|---|---|
| 1 OF 3 | LS–1 |

## LEGEND

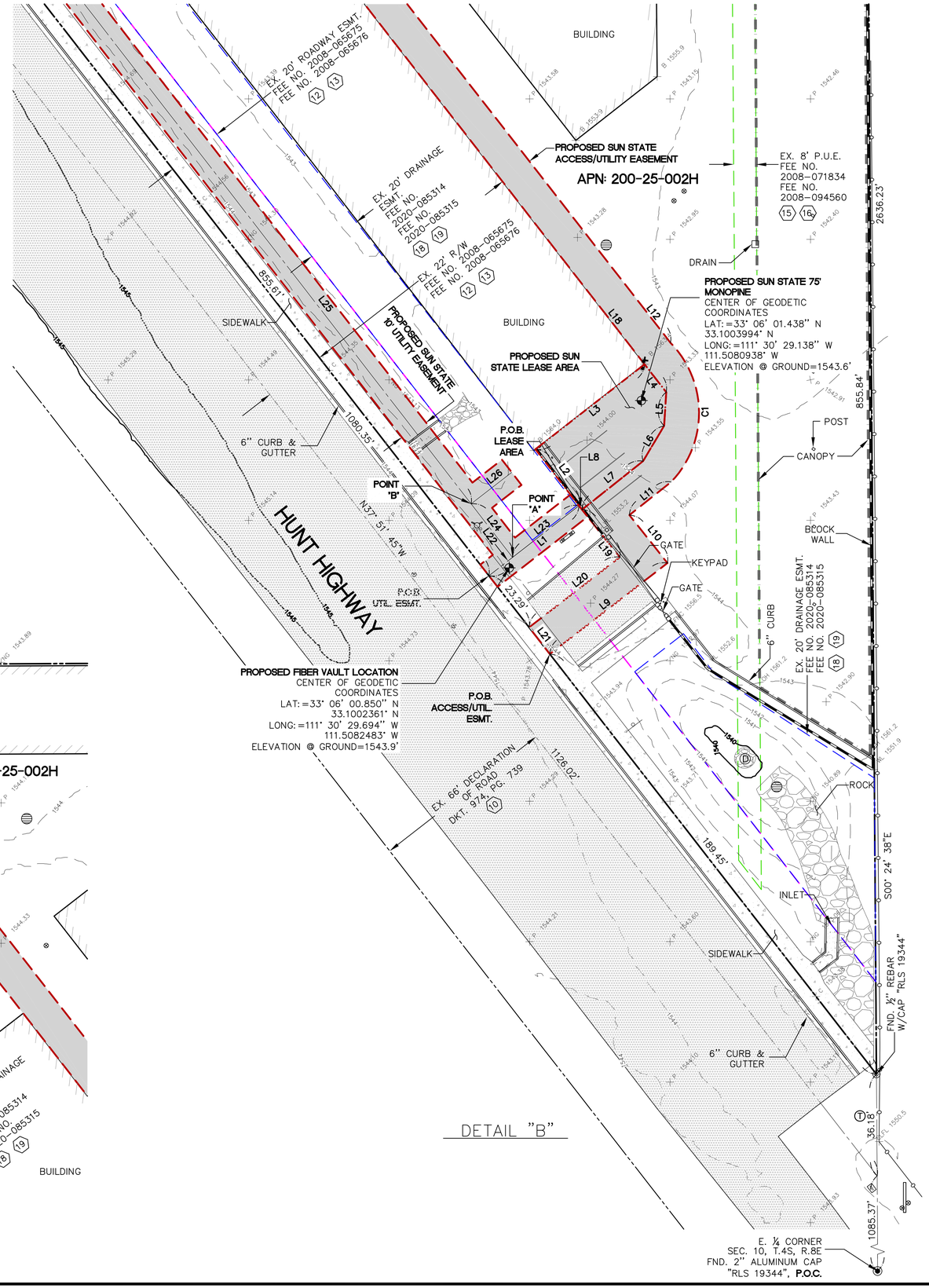
- FOUND 2" ALUMINUM CAP AS NOTED
- FOUND 1/2" REBAR AS NOTED
- SEWER MANHOLE
- SEWER CLEANOUT
- TELEPHONE MANHOLE
- FIRE DEPT. CONNECTION
- WATER VALVE
- FIRE HYDRANT
- WM — WATER METER
- BACKFLOW PREVENTER
- WATER MARKER
- STORM MANHOLE
- DRY WELL
- ELECTRIC TRANSFORMER
- LIGHT POST
- TREE (TYP)
- SIGN
- BOLLARD
- DISABLED PARKING SPACE
- BREAKLINE
- POSITION OF GEODETIC COORDINATES
- P.O.B. — POINT OF BEGINNING
- P.O.C. — POINT OF COMMENCEMENT
- FND — FOUND
- EX — EXISTING
- NG — NATURAL GRADE
- P — PAVEMENT GRADE
- C — CONCRETE GRADE
- B — TOP OF BUILDING
- C.L.F. — CHAIN LINK FENCE
- FNC — TOP OF FENCE
- OH — TOP OF OVERHANG
- WL — TOP OF WALL
- P.U.E. — PUBLIC UTILITY EASEMENT
- R/W — RIGHT-OF-WAY
- BOUNDARY LINE
- ADJOINING BOUNDARY LINE
- EASEMENT LINE
- CENTERLINE
- LEASE LINE
- TIE-LINE
- CHAIN LINK FENCE
- PAVED AREA
- ROCK AREA
- CONCRETE AREA

MN 9° 49' N NORTH

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.




DETAIL "A"




DETAIL "B"


SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX: 480-664-9850


SITE NAME:
AZ03-190
SUPERNOVA

SITE ADDRESS:
5242 E. HUNT HWY
FLORENCE, AZ 85132

SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
| 1 | MG | 02/09/24 | SUBMITTAL 1 |
| 2 | MG | 03/01/24 | FINAL SUBMITTAL |
| 3 | MG | 05/13/24 | REVISION |
| 4 | MG | 09/04/24 | REVISION |


TERRAMARK LAND SURVEYING
24654 N. LAKE PLEASANT PKWY #103-163
PEORIA, AZ 85383
P. 480-440-1748
F. 623-777-1782
www.terramarksurveying.com


REGISTERED LAND SURVEYOR
CERTIFICATE NO.
51969
MARK J. GRIM
09/04/24
ARIZONA, U.S.A.
EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

| SHEET NO.: | SHEET NAME: |
|---|---|
| 2 OF 3 | LS-2 |

## LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 224.74 FEET;

THENCE NORTH 52° 08' 15" EAST, 40.61 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 37° 40' 47" WEST, 25.38 FEET;

THENCE NORTH 52° 05' 41" EAST, 49.24 FEET;

THENCE SOUTH 37° 51' 45" EAST, 12.58 FEET;

THENCE SOUTH 03° 34' 23" WEST, 12.00 FEET;

THENCE SOUTH 30° 48' 44" WEST, 14.64 FEET;

THENCE SOUTH 51° 33' 08" WEST, 27.75 FEET;

THENCE NORTH 37° 40' 47" WEST, 1.77 FEET TO THE POINT OF BEGINNING.

CONTAINS 1,215 SQUARE FEET.

## ACCESS/UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 189.45 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 52° 17' 38" EAST, 52.95 FEET;

THENCE NORTH 38° 26' 40" WEST, 21.79 FEET;

THENCE NORTH 51° 33' 20" EAST, 18.96 FEET TO THE BEGINNING OF A CURVE TO THE LEFT, HAVING A RADIUS OF 35.56 FEET AND A CHORD WHICH BEARS NORTH 00° 14' 00" WEST, 49.53 FEET;

THENCE ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 88° 17' 14", AN ARC LENGTH OF 54.80 FEET;

THENCE NORTH 37° 51' 45" WEST, 696.80 FEET;

THENCE NORTH 84° 02' 03" WEST, 47.06 FEET;

THENCE SOUTH 52° 13' 19" WEST, 67.98 FEET TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE SOUTH 37° 51' 45" EAST, ALONG SAID RIGHT-OF-WAY LINE, 12.00 FEET;

THENCE NORTH 52° 13' 19" EAST, 63.14 FEET;

THENCE SOUTH 84° 02' 03" EAST, 37.13 FEET;

THENCE SOUTH 37° 51' 45" EAST, 704.63 FEET;

THENCE SOUTH 03° 34' 23" WEST, 12.00 FEET;

THENCE SOUTH 30° 48' 44" WEST, 14.64 FEET;

THENCE SOUTH 51° 33' 08" WEST, 27.75 FEET;

THENCE SOUTH 38° 26' 23" EAST, 21.64 FEET;

THENCE SOUTH 52° 17' 38" WEST, 40.82 FEET TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE SOUTH 37° 51' 45" EAST, ALONG SAID RIGHT-OF-WAY LINE, 12.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 11,299 SQUARE FEET.

| LINE TABLE | | |
|---|---|---|
| LINE | LENGTH | BEARING |
| L1 | 40.61' | N52° 08' 15"E |
| L2 | 25.38' | N37° 40' 47"W |
| L3 | 49.24' | N52° 05' 41"E |
| L4 | 12.58' | S37° 51' 45"E |
| L5 | 12.00' | S3° 34' 23"W |
| L6 | 14.64' | S30° 48' 44"W |
| L7 | 27.75' | S51° 33' 08"W |
| L8 | 1.77' | N37° 40' 47"W |
| L9 | 52.95' | N52° 17' 38"E |
| L10 | 21.79' | N38° 26' 40"W |
| L11 | 18.96' | N51° 33' 20"E |
| L12 | 696.80' | N37° 51' 45"W |
| L13 | 47.06' | N84° 02' 03"W |
| L14 | 67.98' | S52° 13' 19"W |
| L15 | 12.00' | S37° 51' 45"E |
| L16 | 63.14' | N52° 13' 19"E |
| L17 | 37.13' | S84° 02' 03"E |
| L18 | 704.63' | S37° 51' 45"E |
| L19 | 21.64' | S38° 26' 23"E |
| L20 | 40.82' | S52° 17' 38"W |
| L21 | 12.00' | S37° 51' 45"E |
| L22 | 10.65' | N52° 08' 15"E |
| L23 | 29.96' | N52° 08' 15"E |
| L24 | 24.10' | N37° 43' 46"W |
| L25 | 750.01' | N37° 43' 46"W |
| L26 | 18.29' | N52° 16' 14"E |

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | DELTA | CHORD | CHORD LENGTH |
| C1 | 54.80' | 35.56' | 88°17'14" | N0° 14' 00"W | 49.53' |

## UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 224.74 FEET TO THE POINT OF BEGINNING, SAID POINT BEING THE CENTERLINE OF A 10.00 FOOT WIDE STRIP OF LAND;

THENCE NORTH 52° 08' 15" EAST, 10.65 FEET TO A POINT HEREON REFERRED TO AS POINT "A";

THENCE CONTINUING NORTH 52° 08' 15" EAST, 29.96 FEET TO THE POINT OF TERMINUS. AND;

BEGINNING AT SAID POINT "A";

THENCE NORTH 37° 43' 46" WEST, 24.10 FEET TO A POINT HEREON REFERRED TO AS POINT "B";

THENCE CONTINUING NORTH 37° 43' 46" WEST, 750.01 FEET TO THE POINT OF TERMINUS. AND;

BEGINNING AT SAID POINT "B", SAID POINT BEING THE CENTERLINE OF A 11.34 FOOT WIDE STRIP OF LAND;

THENCE NORTH 52° 16' 14" EAST, 18.29 FEET TO THE POINT OF TERMINUS.

SIDELINES OF SAID EASEMENT SHALL BE LENGTHENED OR SHORTENED RESPECTIVELY IN ORDER TO PROVIDE A CONTIGUOUS EASEMENT THROUGHOUT.

CONTAINS 8,248 SQUARE FEET.


SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX: 480-664-9850


SITE NAME:
AZ03-190
SUPERNOVA

SITE ADDRESS:
5242 E. HUNT HWY
FLORENCE, AZ 85132

SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
| 1 | MG | 02/09/24 | SUBMITTAL 1 |
| 2 | MG | 03/01/24 | FINAL SUBMITTAL |
| 3 | MG | 05/13/24 | REVISION |
| 4 | MG | 09/04/24 | REVISION |
| | | | |
| | | | |
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| | | | |


TERRAMARK LAND SURVEYING
24654 N. LAKE PLEASANT PKWY #103-163
PEORIA, AZ 85383
P. 480-440-1748
F. 623-777-1782
www.terramarksurveying.com

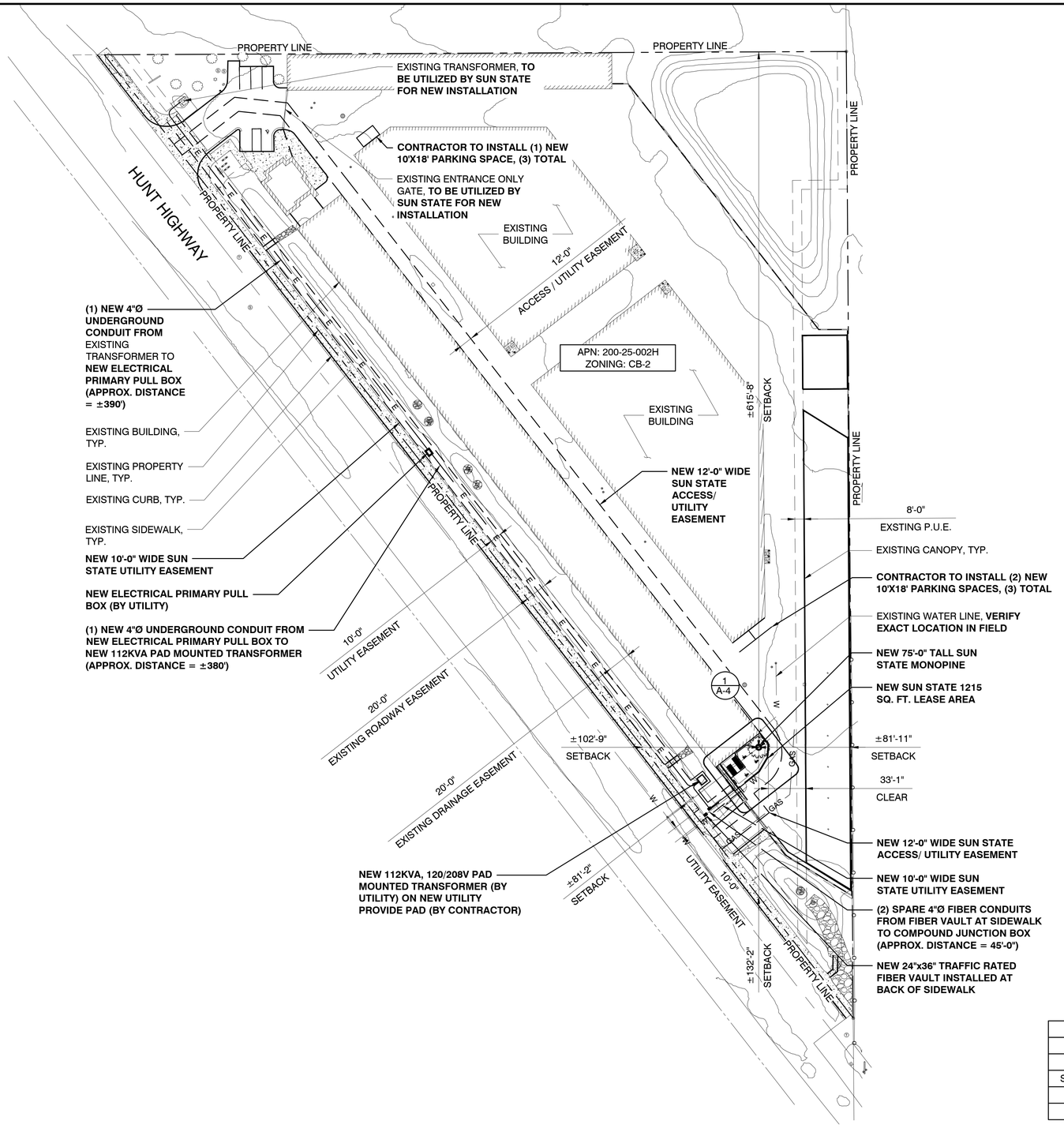

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
51969
MARK J.
GRIM
09/04/24
ARIZONA, U.S.A.

EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

| SHEET NO.: | SHEET NAME: |
|---|---|
| 3 OF 3 | LS-3 |




| SETBACK TABLE | |
|---|---|
| NORTH | ±615'-8" |
| SOUTH | ±132'-2" |
| SOUTHWEST | ±81'-2" |
| EAST | ±81'-11" |
| WEST | ±102'-9" |

24"x36" SCALE: 1" = 50'
11"x17" SCALE: 1" = 100'

50' 25' 0' 50'

# OVERALL SITE PLAN

1


PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/17/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | KAF |
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| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
KYLE A. FORTIN
68312
10/17/24
Date Signed
ARIZONA - U.S.A.
EXPIRES: 03-31-2025

## AZ03-190 SUPERNOVA

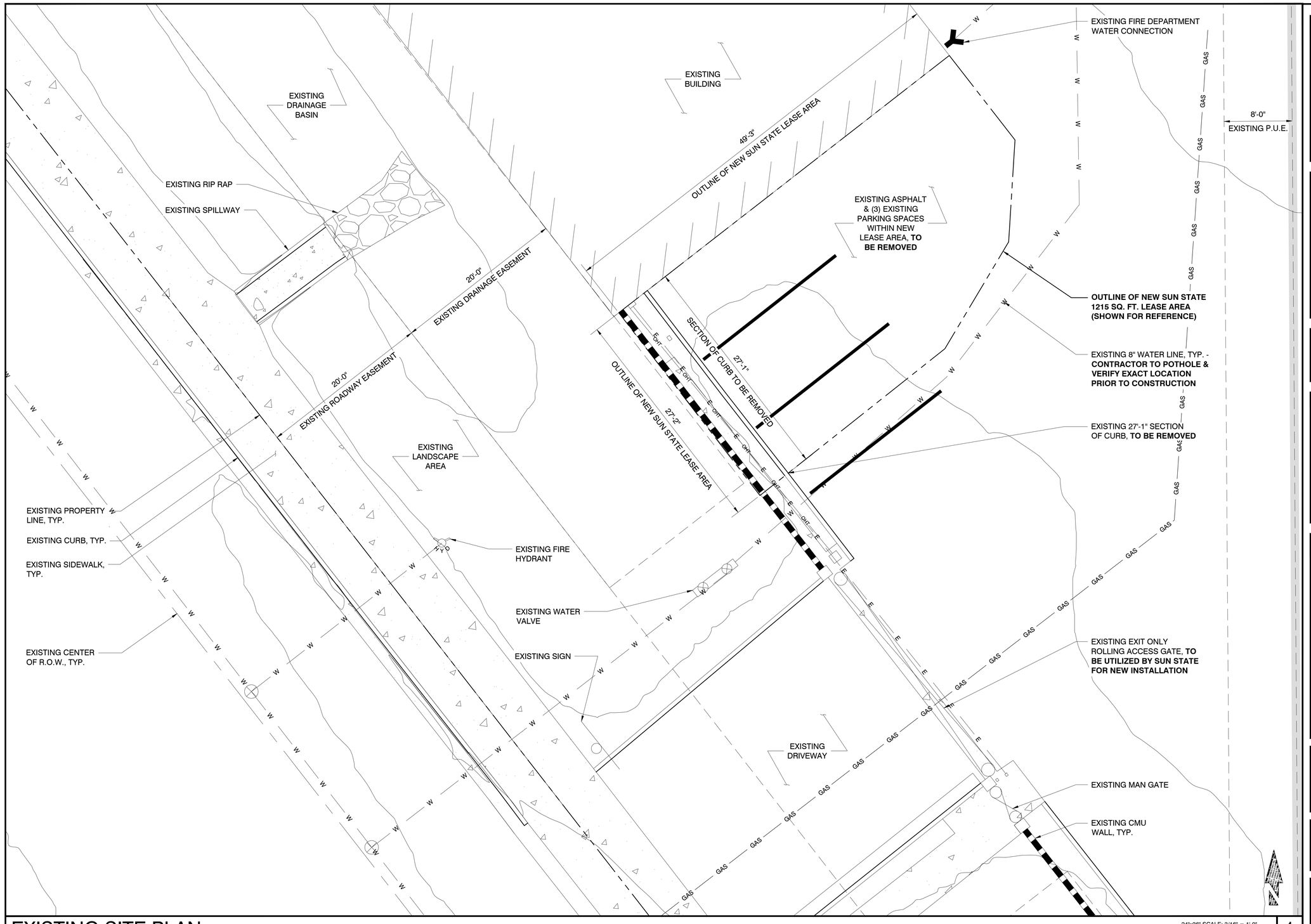
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1




# EXISTING SITE PLAN

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1


PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


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| CHECKED BY: | KF |

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| | | | |

Registered Professional Engineer (Civil)
KYLE A. FORTIN
55312
Date Signed 10/17/24
ARIZONA, U.S.A.

EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

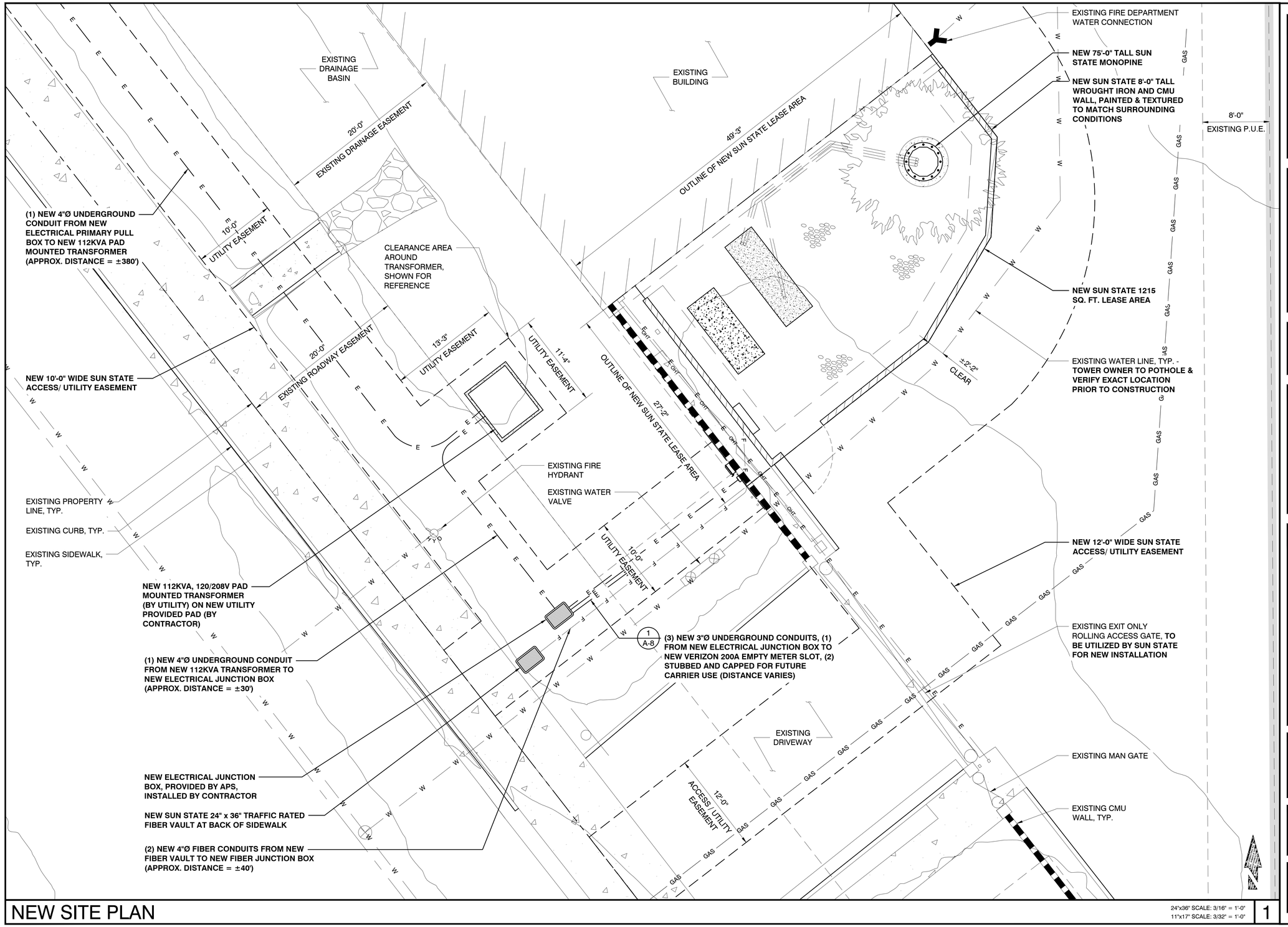
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

EXISTING SITE PLAN

SHEET NUMBER

A-2




# NEW SITE PLAN

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1


PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


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Registered Professional Engineer (Civil)
65312
KYLE A. FORTIN
10/17/24
State Registered
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

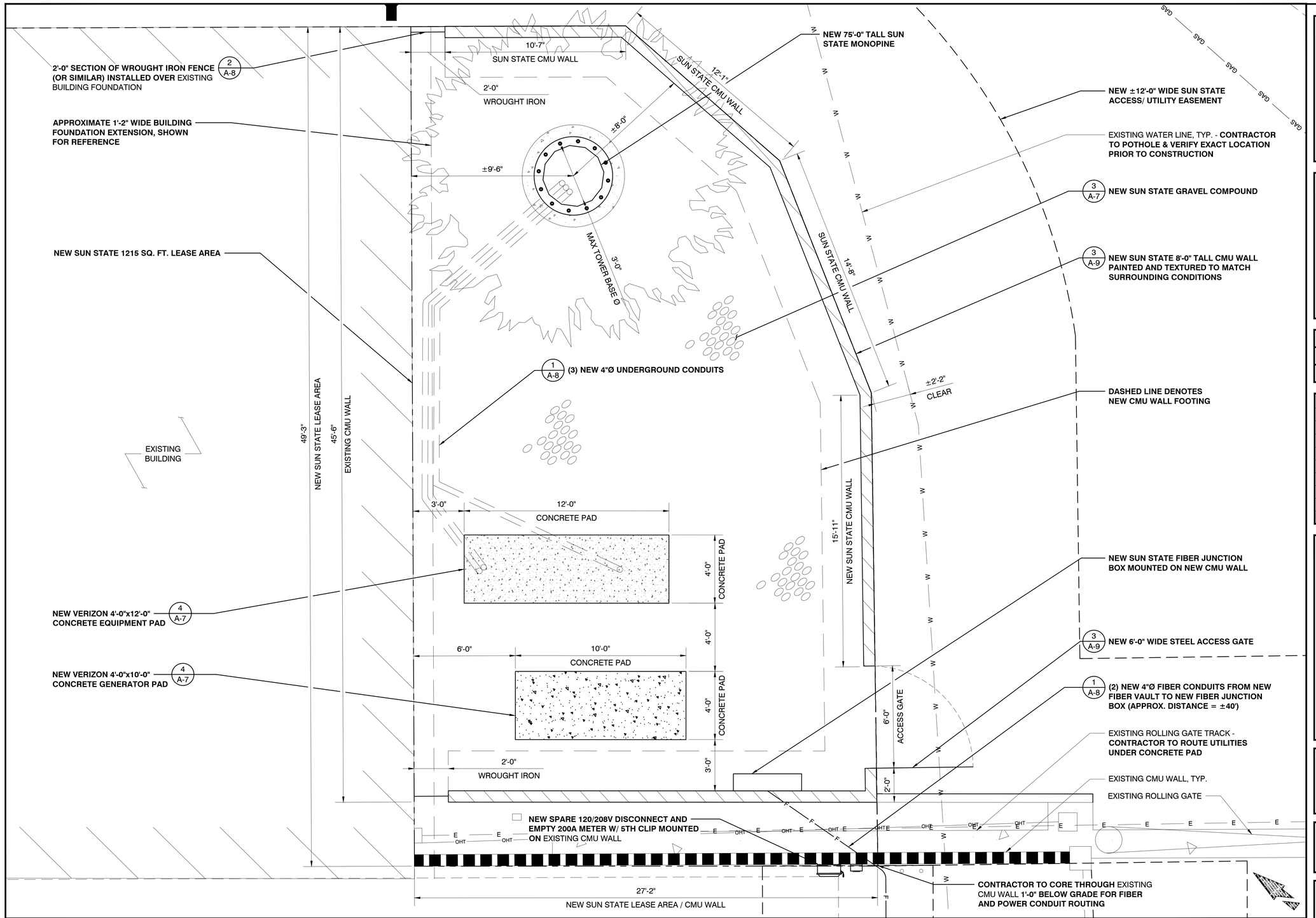
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

NEW SITE PLAN

SHEET NUMBER

A-3




# ENLARGED SITE PLAN

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

1


PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


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Registered Professional Engineer (Civil)
KYLE A. FORTIN
68312
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

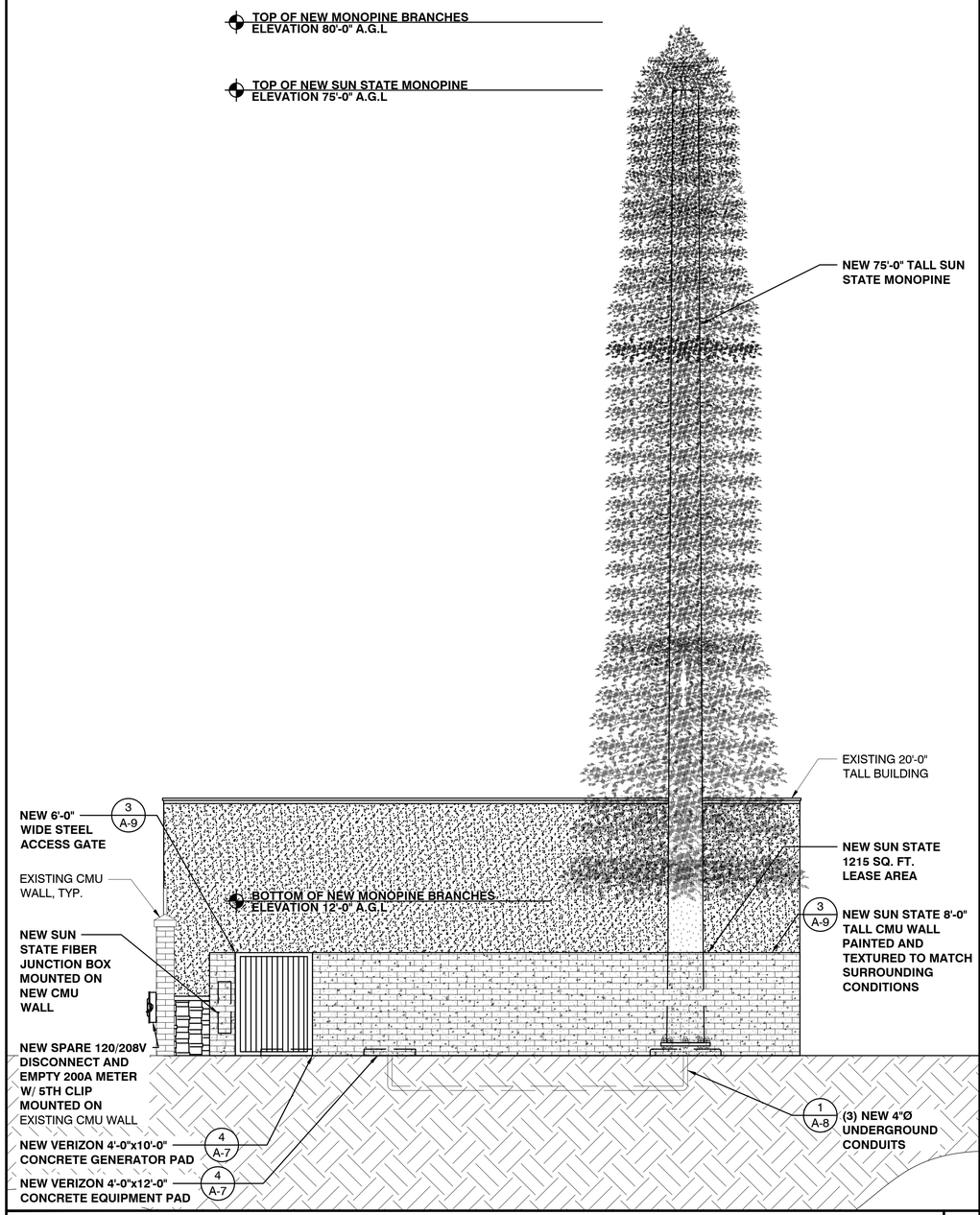
SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-4

MONOPINE NOTE:
- MONOPINE BRANCHES DESIGN FOR MINIMUM 4.0 BRANCH DENSITY.
- TOWER BASE MAX DIAMETER TO BE 35"
- TOWER TOP DIAMETER TO BE 18"
- FAUX BARK INSTALLED UNTIL 2'-0" ABOVE BRANCHES

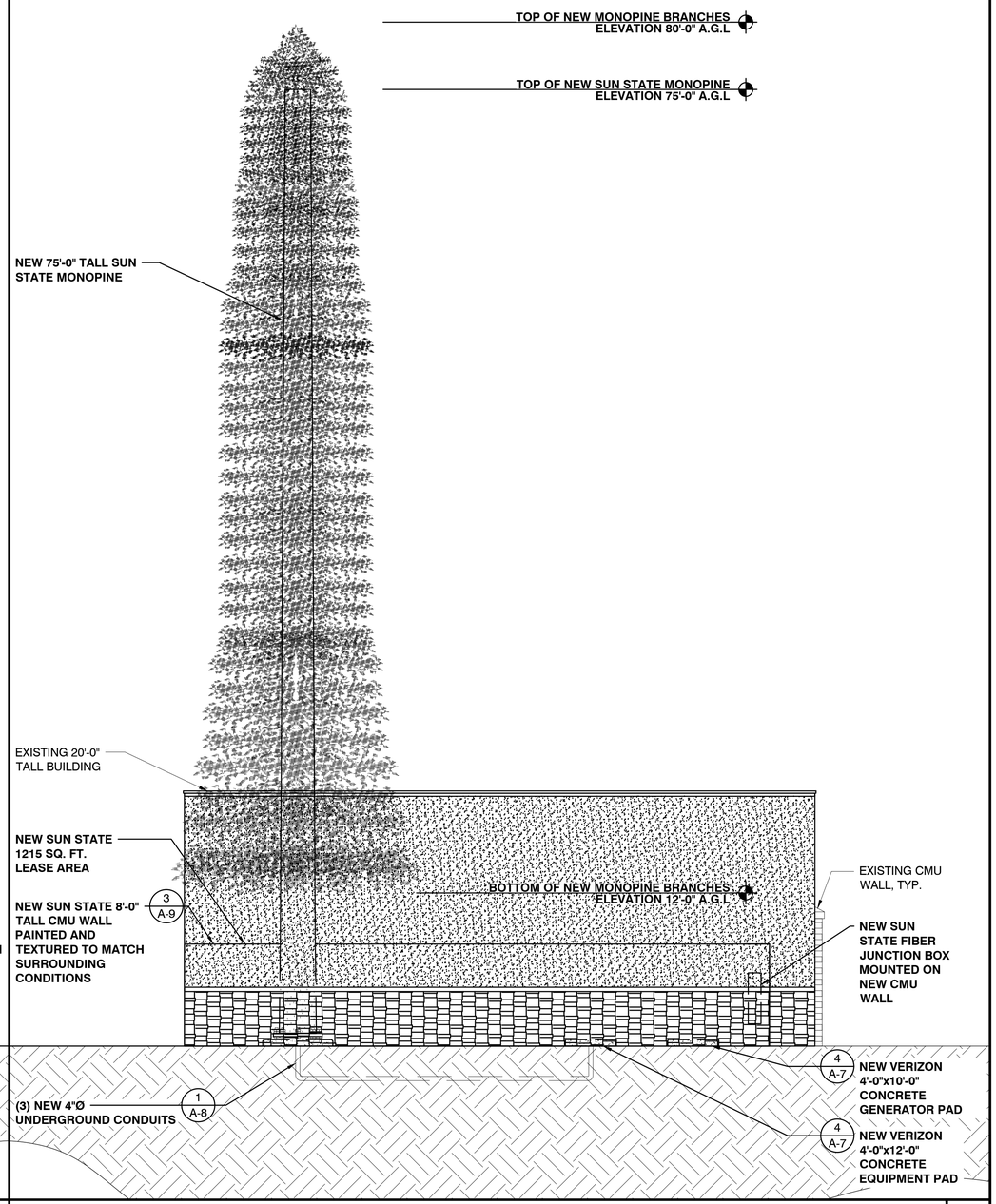



## NEW SOUTHEAST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1

MONOPINE NOTE:
- MONOPINE BRANCHES DESIGN FOR MINIMUM 4.0 BRANCH DENSITY.
- TOWER BASE MAX DIAMETER TO BE 35"
- TOWER TOP DIAMETER TO BE 18"
- FAUX BARK INSTALLED UNTIL 2'-0" ABOVE BRANCHES




## NEW NORTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

2


PREPARED FOR:

SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
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| CHECKED BY: | KF |

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Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

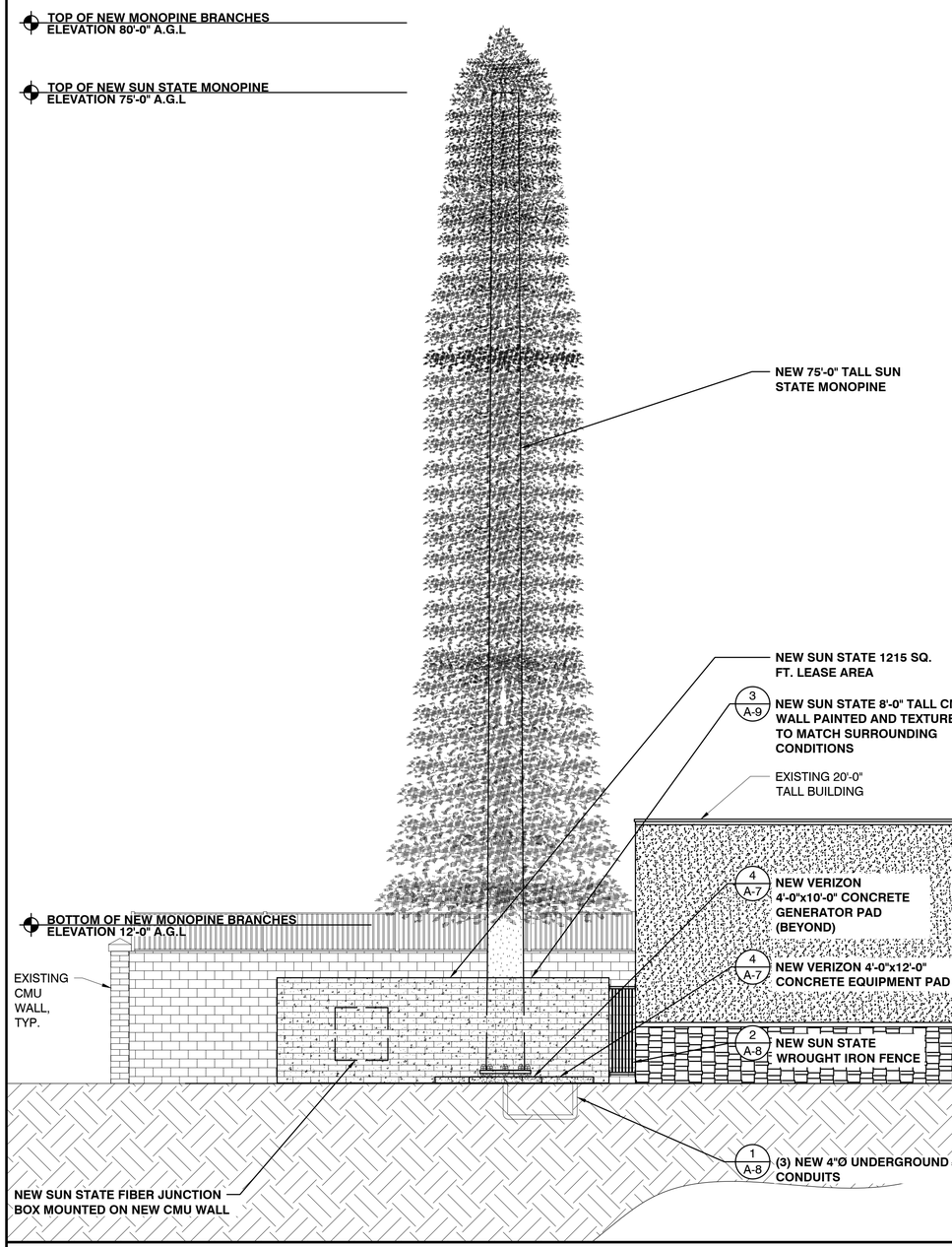
SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-5

MONOPINE NOTE:
- MONOPINE BRANCHES DESIGN FOR MINIMUM 4.0 BRANCH DENSITY.
- TOWER BASE MAX DIAMETER TO BE 35"
- TOWER TOP DIAMETER TO BE 18"
- FAUX BARK INSTALLED UNTIL 2'-0" ABOVE BRANCHES

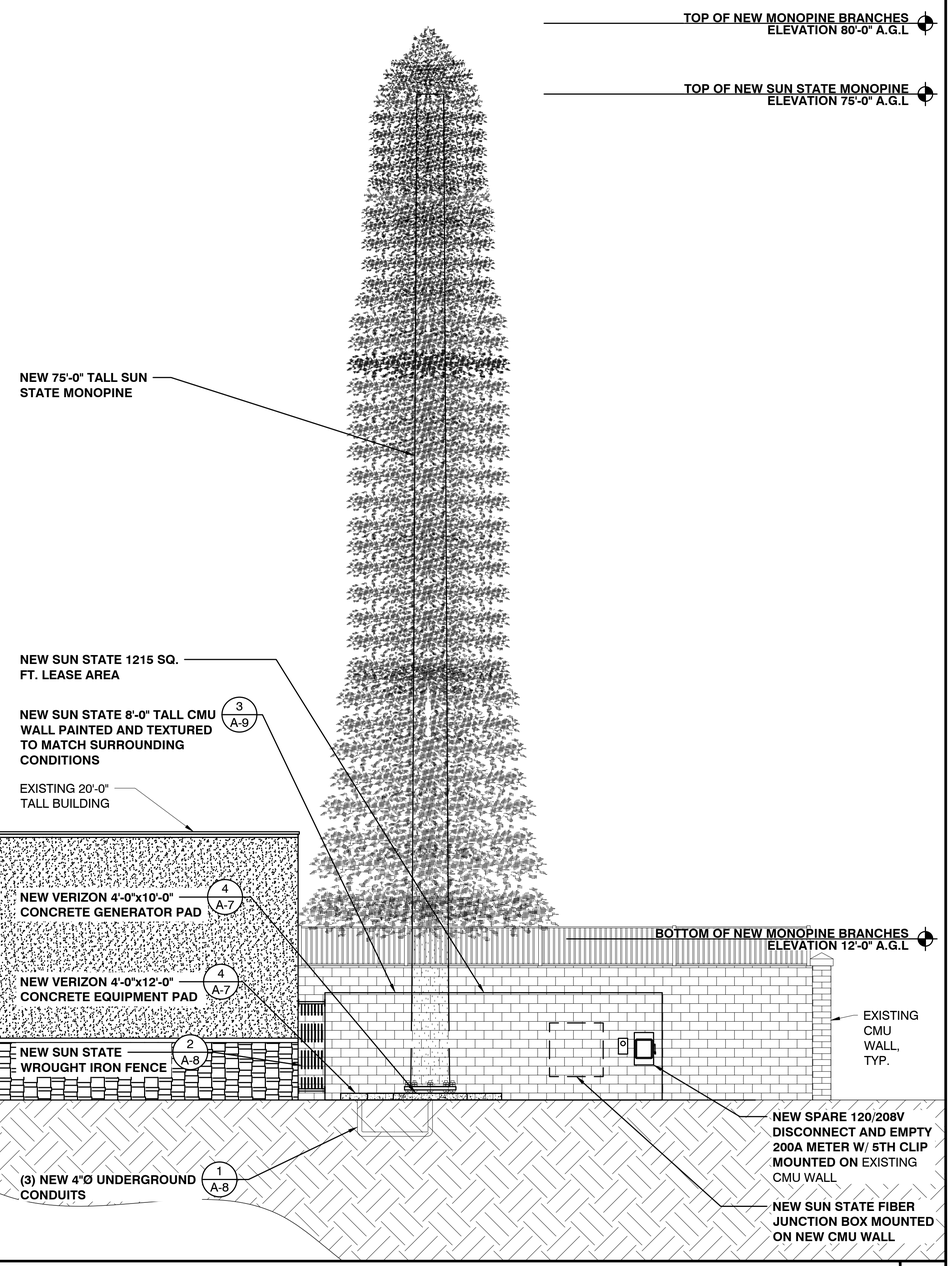



## NEW NORTHEAST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1

MONOPINE NOTE:
- MONOPINE BRANCHES DESIGN FOR MINIMUM 4.0 BRANCH DENSITY.
- TOWER BASE MAX DIAMETER TO BE 35"
- TOWER TOP DIAMETER TO BE 18"
- FAUX BARK INSTALLED UNTIL 2'-0" ABOVE BRANCHES




## NEW SOUTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

2


PREPARED FOR:

SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


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Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

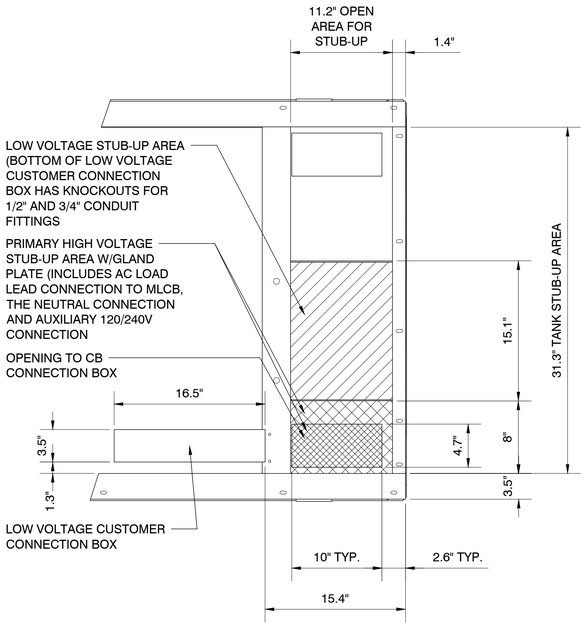
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A-6

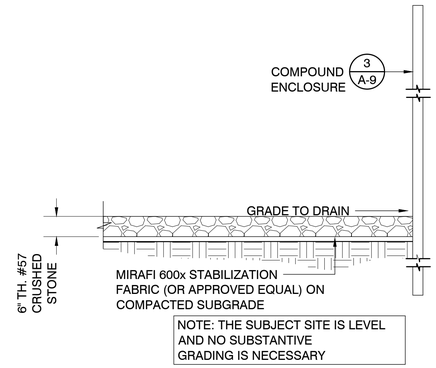



## GENERATOR PAD STUB-UP DETAIL

SCALE: NTS | 1

## NOT USED

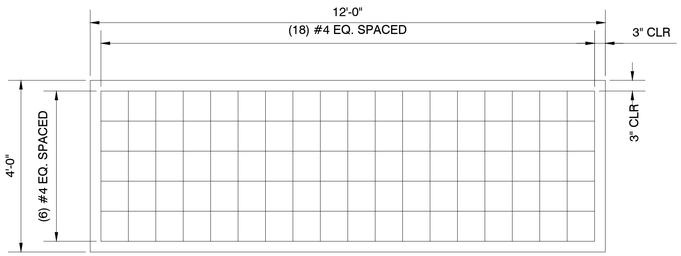
SCALE: NTS | 2



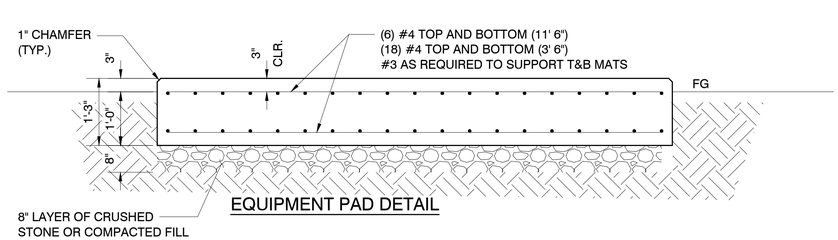

NOTE: THE SUBJECT SITE IS LEVEL AND NO SUBSTANTIVE GRADING IS NECESSARY

## GRAVEL DETAIL

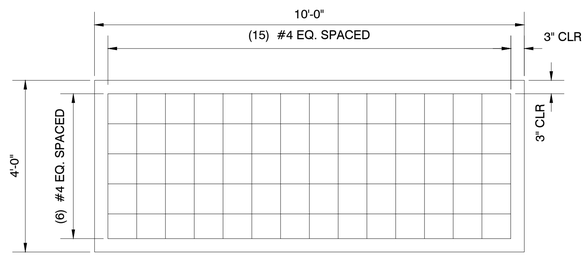
SCALE: NTS | 3

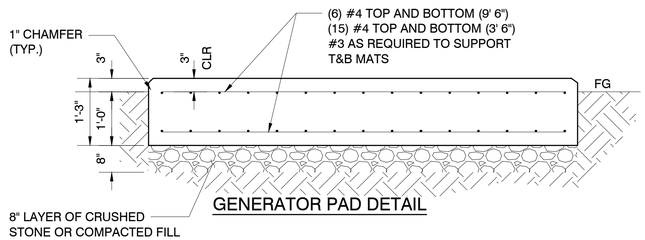



DESIGN APPLICABLE FOR BOTH CONCRETE PADS:
IBC PER GOVERNING CODE (SEE T-1), ACI-318
SOILS: IBC TABLE 1806.2 - MATERIAL CLASS 5
ALLOWABLE BEARING PRESSURE, Qs = 1500PSF
DL=16,000#
CONCRETE F'c = 2500PSI
TYPE V CEMENT, W/C < 0.5
REINFORCING A615 GR 60, F'y = 60KSI




## EQUIPMENT PAD DETAIL




## GENERATOR PAD DETAIL

## EQUIPMENT PLATFORM DETAILS

SCALE: NTS | 4


PREPARED FOR:

SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
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CONSULTING FIRM

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Registered Professional Engineer (Civil)
66312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

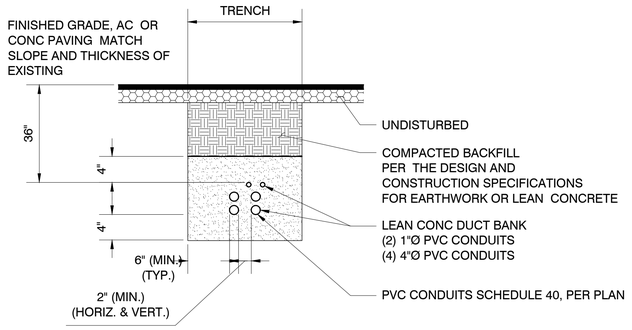
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

DETAILS

SHEET NUMBER

A-7



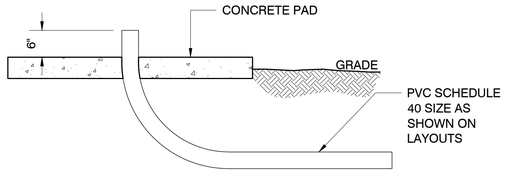

CABLE COAX CONDUIT DETAIL

NOTE:
TRENCH BACKFILL SHALL BE COMPACTED TO 90% PRIOR TO DRESS ROCK INSTALLATION

MATCH TO EXISTING OR FINISH TO NEW GRADES (SEE PLAN)

| COAXIAL CABLE SIZE & MINIMUM BEND RADIUS IN 6" CONDUIT | |
|---|---|
| CABLE SIZE | MINIMUM BEND RADIUS |
| 1/2" | 10" |
| 7/8" | 18" |
| 1-1/4" | 22" |
| 1-5/8" | 28" |

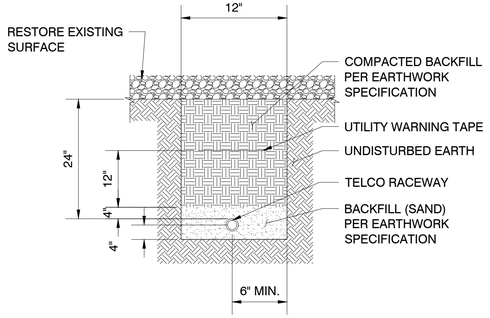
NOTE:
PROVIDE PROPER BENDING RADIUS FOR CONDUITS AS REQUIRED BY THE COAXIAL CABLE MFR.



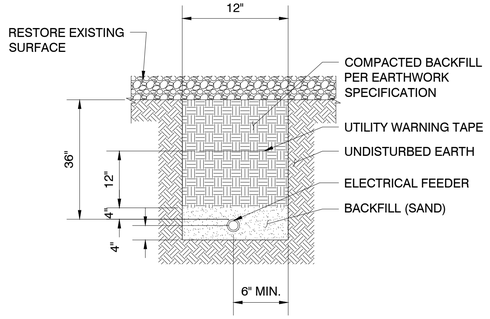

NOTE: RIGID STEEL CONDUIT MAY NOT BE USED WITH COAXIAL ANTENNA CABLE. USE PVC SCHEDULE 40 PIPE.

SITE SPECIFIC DETAIL - SEE PLANS TO DETERMINE IF STUB UP IS REQUIRED

UNDERGROUND CONDUIT STUB-UP



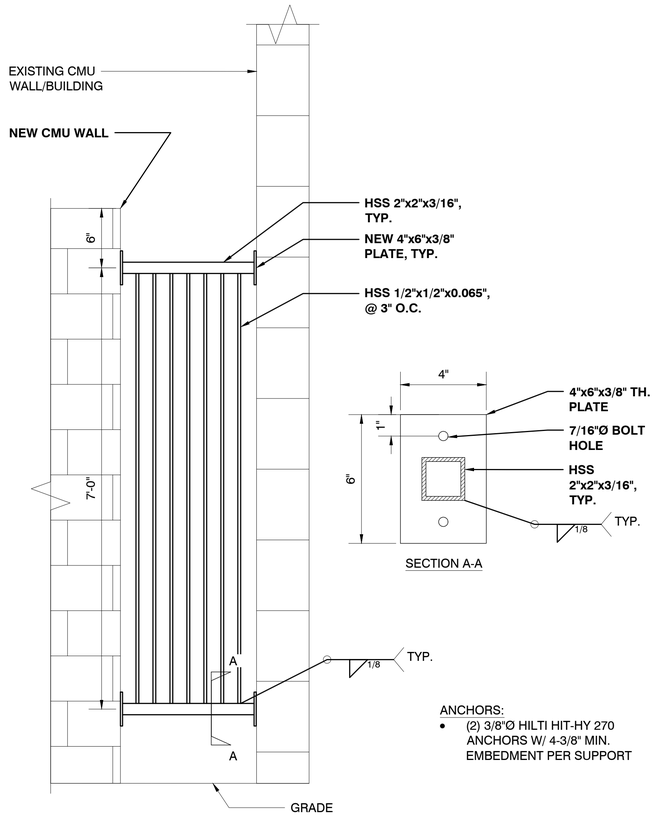

TELCO TRENCH DETAIL




ELECTRICAL TRENCH DETAIL

## TRENCH DETAILS

SCALE: NTS 1




SECTION A-A

ANCHORS:
- (2) 3/8"Ø HILTI HIT-HY 270 ANCHORS W/ 4-3/8" MIN. EMBEDMENT PER SUPPORT

## WROUGHT IRON DETAIL

SCALE: NTS 2

## NOT USED

SCALE: NTS 3

PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

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Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

DETAILS

SHEET NUMBER

A-8

# MASONRY NOTES:

**MASONRY WALL GENERAL NOTES**

**CODE:**
2018 INTERNATIONAL BUILDING CODE

**WIND:**
102 MPH ULTIMATE DESIGN WIND SPEED (RISK CATEGORY II)
EXPOSURE C

**SEISMIC:**
RISK CATEGORY II
SITE CLASS: D
SEISMIC DESIGN CATEGORY B
Ss = 0.210
S1 = 0.071

**GEOTECHNICAL:**
FOUNDATION DESIGN IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN GEOTECHNICAL REPORT NO. :24126021
BY ENGINEERED TOWER SOLUTIONS, PLLC
DATED MAY 8, 2024
ALLOWABLE BEARING PRESSURE = 3000PSF
AT 20" BELOW LOWEST ADJACENT FINISHED GRADE. REFER TO SOILS REPORT FOR ADDITIONAL INFORMATION.

**CONCRETE:**
CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. VIBRATE REINFORCED CONCRETE DURING PLACEMENT.

DEFORMED REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. ALL REINFORCING SHALL BE SECURELY TIED TO PREVENT MOVEMENT WHILE PLACING CONCRETE. WELDING OF REINFORCING IS NOT ALLOWED. LAP REINFORCING 48 BAR DIAMETERS (30" FOR #5, 24" FOR #4). BEND REINFORCING OR PROVIDE CORNER BARS WHERE FOOTING CHANGES DIRECTION.

MINIMUM CONCRETE COVER FOR REINFORCING STEEL CAST IN CONCRETE (UNO):
CAST AGAINST EARTH: 3"
PERMANENTLY EXPOSED TO EARTH OR WEATHER: 1 1/2" (#5 AND SMALLER)
2" (#6 AND LARGER)

**MASONRY:**
CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, LOAD BEARING WITH A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI (NET AREA).

MORTAR SHALL CONFORM TO ASTM C-270, TYPE S.

FILL ALL REINFORCED CELLS WITH 2000 PSI GROUT OR GROUT CONFORMING TO ASTM C476. MAXIMUM GROUT POUR IS 5'-4" WITHOUT CLEANOUTS. MECHANICALLY CONSOLIDATE GROUT AFTER PLACEMENT AND RECONSOLIDATE AFTER APPROXIMATELY 5 MINUTES. SOLID GROUT ALL CELLS BELOW FINISHED GRADE

PROVIDE MASONRY CONTROL JOINTS AT 24' O.C. MAXIMUM WITH A MINIMUM WALL SEGMENT LENGTH OF 8'.

DEFORMED BAR REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60. LAP 48 BAR DIAMETERS (30" FOR #5, 24" FOR #4).

VERTICAL REINFORCING SHALL BE #5, CENTERED IN CELL AT SPACING NOTED ON DRAWING OR AT 48" O.C. MINIMUM. PROVIDE VERTICAL BARS AT ALL WALL ENDS, CORNERS, INTERSECTIONS AND EACH SIDE OF CONTROL JOINTS. ALL VERTICAL BARS SHALL BE DOWELED INTO CONCRETE FOOTING WITH A MINIMUM 30" PROJECTION ABOVE TOP OF FOOTING.

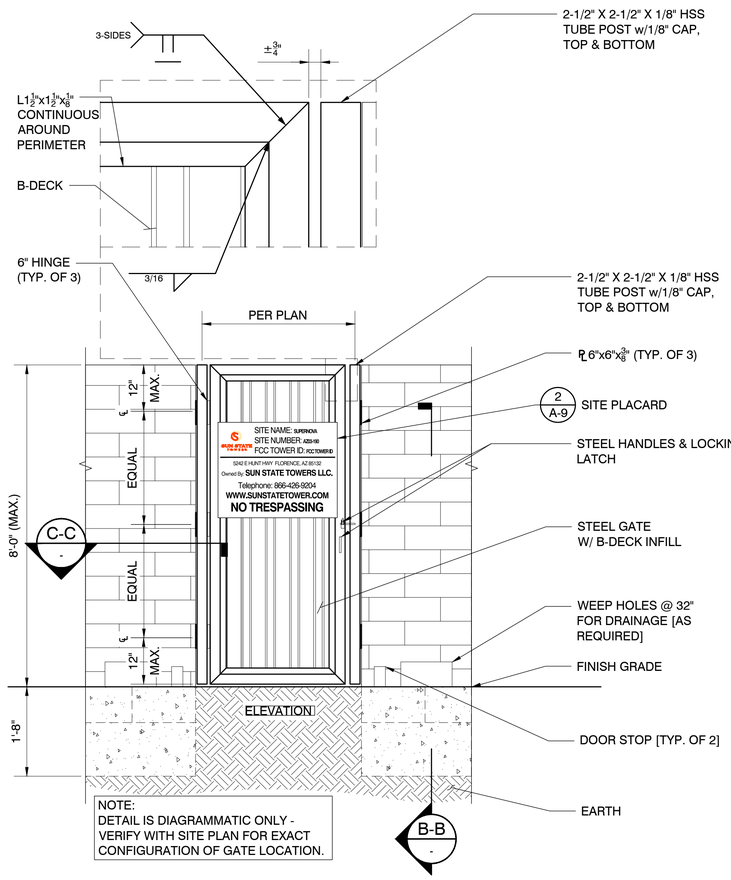
HORIZONTALLY REINFORCE WALLS WITH (1) #5 IN 8" DEEP SOLID GROUTED BOND BEAM AT TOP OF WALL. PROVIDE BENT CORNER BARS TO MATCH BOND BEAM REINFORCING AT ALL CORNERS. PROVIDE 9 GAUGE (W1.7) GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A951 AT 16" O.C. VERTICALLY MAXIMUM.

**SPECIAL INSPECTIONS:**
SPECIAL INSPECTIONS REQUIRED PER IBC CHAPTER 17 FOR THE FOLLOWING ITEMS:

**CONCRETE:**
- PERIODIC INSPECTION TO VERIFY FOUNDATION SIZE AND REINFORCING SIZE & PLACEMENT

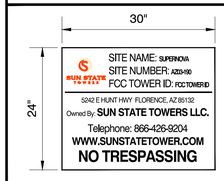
**MASONRY:**
- PERIODIC INSPECTION TO VERIFY CMU CONSTRUCTION AND REINFORCING SIZE & PLACEMENT
- CONTINUOUS INSPECTION DURING PLACEMENT OF GROUT

MASONRY NOTES | SCALE: NTS | 1

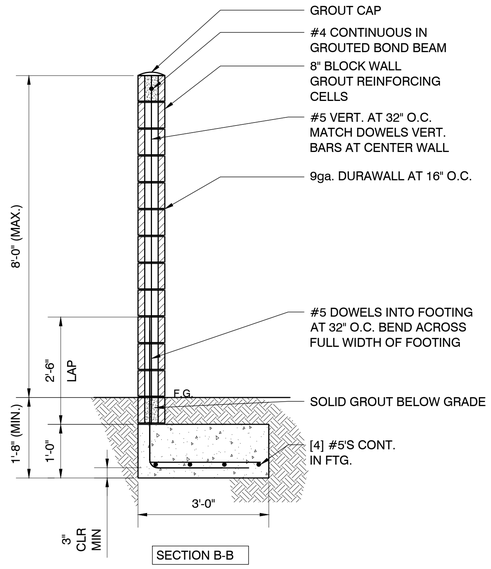



NOTE:
DETAIL IS DIAGRAMMATIC ONLY - VERIFY WITH SITE PLAN FOR EXACT CONFIGURATION OF GATE LOCATION.

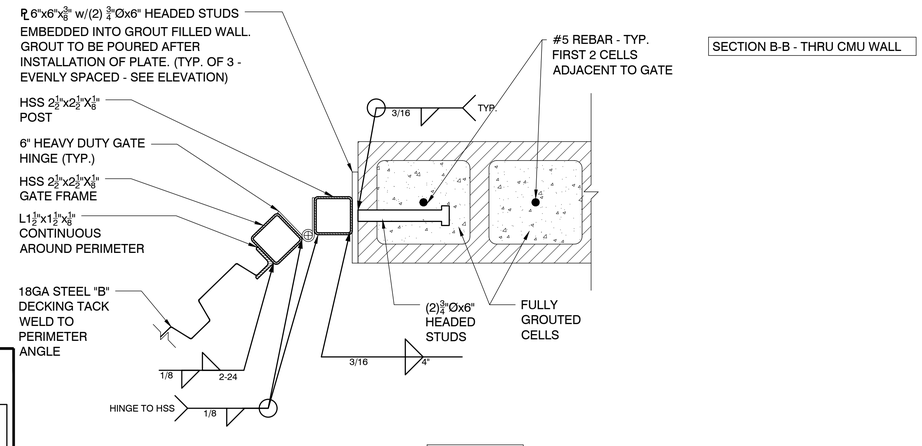
SIGN DETAIL | SCALE: NTS | 2




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SECTION B-B




SECTION C-C

SECTION B-B - THRU CMU WALL

COMPOUND ENCLOSURE DETAIL | SCALE: NTS | 3


PREPARED FOR:
SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM
PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


Registered Professional Engineer (Civil) Certificate No. 68312 KYLE A. FORTIN 10/17/24 Date Signed ARIZONA, U.S.A.
EXPIRES: 03-31-2025

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| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
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| A | 04/17/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | KAF |
| 1 | 05/31/24 | ISSUED FOR PERMIT | M.G. |
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| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |

AZ03-190 SUPERNOVA
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
DETAILS

SHEET NUMBER
A-9

# ELECTRICAL SPECIFICATIONS

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.)
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA & NBFU
8. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
9. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS
10. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
11. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
12. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
13. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
14. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
15. ALL CONDUCTORS SHALL BE COPPER.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES AND DRAWINGS.
18. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
19. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
20. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
21. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH IBC SECTION 714.
22. RECEPTACLES SHALL BE 20 AMPERE, 125 VOLT A.C., WHITE AS REQUIRED BY THE ARCHITECT OR APPROVED EQUAL.
23. WALL SWITCHES SHALL BE SINGLE-POLE, HUBBELL #1201 OR EQUIVALENT, WHITE AS REQUIRED BY THE ARCHITECT.
24. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BLANKED OUTLETS, SHALL HAVE ENGRAVED LETTERING WHERE INDICATED ON THE DRAWINGS. WEATHERPROOF RECEPTACLES SHALL HAVE RACO #800, 1/2" RAISED WORK COVERS.
25. WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM, NO BX OR ROMEX CABLE IS PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
26. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2.
27. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.
28. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY SQUARE D COMPANY OR APPROVED EQUAL.
29. ALL MATERIALS SHALL BE U.L. LISTED.
30. CONDUIT:
    a. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
    b. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
    c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE, SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
    d. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
31. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
32. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
33. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.

# GENERAL ELECTRICAL NOTES

1. THE ELECTRICAL INSTALLATION WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL WORK.
2. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH INTENT OF THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
3. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FROM DEFECTS AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
4. ALL WORK TO BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
5. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, UNLESS NOTED OTHERWISE AND COORDINATED WITH THE GENERAL CONTRACTOR.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL AND ARCHITECTURAL PLANS. THE REQUIREMENTS OF ALL EQUIPMENT ACTUALLY BEING INSTALLED SHALL BE VERIFIED PRIOR TO INSTALLING THE ELECTRICAL WORK.
8. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER TYPE "THWN" #12, & #10 SOLID, #8 AND LARGER STRANDED.
9. ON COMPLETION OF THE WORK, THE INSTALLATION SHALL BE FREE FROM GROUNDS AND SHORT CIRCUITS.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT AND CUSTOMER UPON COMPLETION OF THE JOB.
11. ELECTRICAL WORK SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED, INCLUDING BUT NOT LIMITED, TO COMPLETE ELECTRICAL SYSTEMS POWER AND LIGHTING, TELEPHONE CONDUIT SYSTEM, SIGNAL SYSTEMS, PANEL BOARD(S), CONTROL WIRING, GROUNDING, CONDUIT ONLY SYSTEMS, ETC., AS INDICATED ON ELECTRICAL DRAWINGS AND/OR REQUIRED BY GOVERNING CODES.
12. RACEWAYS SHALL BE: RIGID STEEL CONDUIT: HOT - DIP GALVANIZED HEAVY WALL AS MANUFACTURED BY REPUBLIC, TRIANGLE OR EQUAL, RIGID POLYVINYL CHLORIDE CONDUIT (PVC); HEAVY WALLS SCHEDULE 40 AS MANUFACTURED BY CARLON ELECTRICAL, VISQEEN OR EQUAL. ELECTRICAL METALLIC TUBING (EMT): ZINC-COATED THIN WALL AS MANUFACTURED BY TRIANGLE, REPUBLIC OR EQUAL.
13. FUSE TYPE SHALL BE BUSSMANN OR EQUAL FUSE.
14. PROVIDE ENGRAVED PLASTIC LABELS TO IDENTIFY ALL PANEL BOARDS, XFMRS., DISTRIBUTION PANELS, DISCONNECT SWITCHES, AND TRANSFER SWITCHES. LABELS SHALL READ IN THIS FASHION "A" 208Y/120V 3~, 4W, 225A, CKT. BKR OR FUSES TYPE AND SIZES.
15. E.C. SHALL VERIFY AND TEST GROUND TO SOURCE TO A MAXIMUM OF 5 OHMS. IF THE GROUND TEST DOES NOT ACHIEVE THE 5 OHMS OR LESS, E.C. SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CONDUCTORS AND GROUND RODS TO ACHIEVE 5 OHMS MAXIMUM.
16. BEFORE SUBMITTING BID, VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS AND THE EXACT SERVING UTILITY POINTS OF CONNECTION.
17. THE ELECTRICAL CONTRACTOR (E.C.) SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
18. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELECTRICAL MATERIALS, EQUIPMENT AND WORK, SHOWN ON THESE PLANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
19. E.C. SHALL FURNISH AND INSTALL ALL SWITCHES, CONDUITS, WIRES, BOXES, LIGHT FIXTURES (INCLUDING LAMPS), SERVICE DEVICES, RECEPTACLES, SWITCHBOARDS AND PANEL BOARDS, ETC. REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL SYSTEM.
20. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL/LOCATION INFORMATION RELATING TO THE ELECTRICAL DRAWINGS.
21. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGES AND HORSEPOWER RATINGS OF ALL MECHANICAL EQUIPMENT.
22. PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND REQUIREMENTS ON THE JOB AND BY REFERENCE TO ARCHITECTURE, MECHANICAL AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
23. OUTLET AND JUNCTION BOXES SHALL BE SIZED PER CODE FOR THE QUANTITY OF WIRES THEY CONTAIN. SEE ARTICLE 370 OF N.E.C. PROVIDE ADDITIONAL BOXES AND EXTENSION RINGS AS REQUIRED.
24. ELECTRICAL CONTRACTOR SHALL COMPLY WITH CABLE BENDING RADIUS REQUIREMENTS PER CABLE MANUFACTURERS' S SPECIFICATION.
25. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF INSTALLATION.
26. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY-RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF THE INSTALLATION.
27. PLANS MAY INDICATE THE NUMBER OF PHASE NEUTRAL, AND GROUND CONDUCTORS WHERE MORE THAN THREE CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT(THREE OR LESS CONDUCTORS ARE NOT SHOWN). ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.
28. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, CIRCUITS SHALL CONSIST OF #12 PHASE AND GROUNDED (NEUTRAL CONDUCTORS) AND A #12 CU GROUND IN A 3/4" CONDUIT.
29. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD.
30. PRIOR TO TRENCHING IN ANY AREA THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA, CABLE T.V., GAS, AND WATER UTILITY PROVIDERS (BLUE STAKE) AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY AND OBSTACLES IN THE PATH OF TRENCHING (PRIOR TO COMMENCING WORK). DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
31. UTILITY COORDINATION
    a. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF DRAWINGS TO ELECTRICAL AND TELCO UTILITIES WITHIN ONE WEEK OF NOTICE TO PROCEED.
    b. THE CONTRACTOR SHALL NOT TRENCH OR INSTALL CONDUITS (ON THE UTILITY OR LOAD SIDE) TO THE S.E.S, THE UTILITY TRANSFORMER (PRIMARY OR SECONDARY), OR TO THE UTILITY CONNECTION POINT BEFORE RECEIVING A FINAL DESIGN FROM THE UTILITY.
    c. THE CONTRACTOR SHALL NOT INSTALL EQUIPMENT PADS FOR THE SES OR ANY UTILITY EQUIPMENT (TRANSFORMERS, SWITCHING CABINETS, ETC.) PRIOR TO RECEIPT OF FINAL PLANS FROM THE UTILITY.
    d. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR ADDITIONAL WORK REQUIRED TO MEET THE REQUIREMENTS OF THE UTILITY WHICH IS THE RESULT OF PROCEEDING PRIOR TO RECEIPT OF A FINAL UTILITY DESIGN.
32. SERIES RATING NOTES:TO ENSURE THAT EACH PROTECTIVE DEVICE WHICH IS DEPENDENT ON ANOTHER DEVICE WILL INTERRUPT THE AVAILABLE SHORT CIRCUIT AT THE LOCATION WHERE IT IS INSTALLED, IT MUST MEET THE FOLLOWING REQUIREMENTS:
    a. SWITCHBOARD COMPONENTS, INCLUDING OVER CURRENT PROTECTIVE DEVICES, SHALL BE FULLY RATED FOR THE AVAILABLE FAULT CURRENT SHOWN.
    b. PROVIDE IDENTIFICATION AT THE ENCLOSURE OF PANEL BOARDS WHERE BREAKERS ARE APPLIEDIN SERIES COMBINATION, STATING: "CAUTION - SERIES RATED SYSTEM. _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    c. PER NEC ARTICLE 110-22 (2005). PROVIDE IDENTIFICATION AT EACH DISCONNECTING MEANS FEEDING DOWNSTREAM DEVICES APPLIED IN SERIES COMBINATION, STATING: "CAUTION - SERIES COMBINATION SYSTEM RATED _____AMPERES. IDENTIFIED REPLACEMENT COMPONENT REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    d. AIC RATING SHOWN AT PANEL BOARDS IS MINIMUM RATING FOR OVERCURRENT PROTECTIVE DEVICES. EACH DEVICE SHALL BE FULLY-RATED OR SERIES RATED WITH UPSTREAM DEVICE AT AFC AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    e. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.
    f. THE TOTAL MOTOR LOAD CONNECTED BETWEEN SERIES RATED DEVICES DOES NOT EXCEED 1% OF THE INTERRUPTING RATING OF THE DOWNSTREAM DEVICE.



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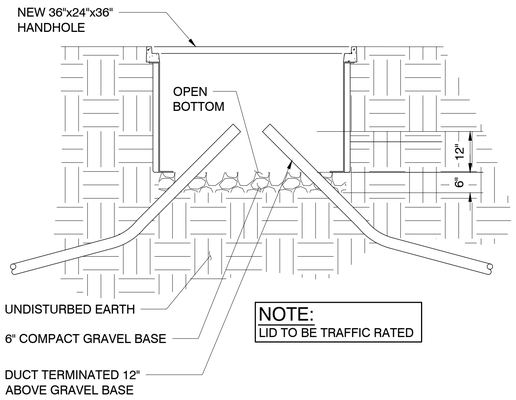
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Registered Professional Engineer (Civil)
CERTIFICATE NO.
85312
KYLE A.
FORTIN
Date Signed
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
ELECTRICAL NOTES

SHEET NUMBER
E-1




## TELCO VAULT DETAIL

SCALE: NTS

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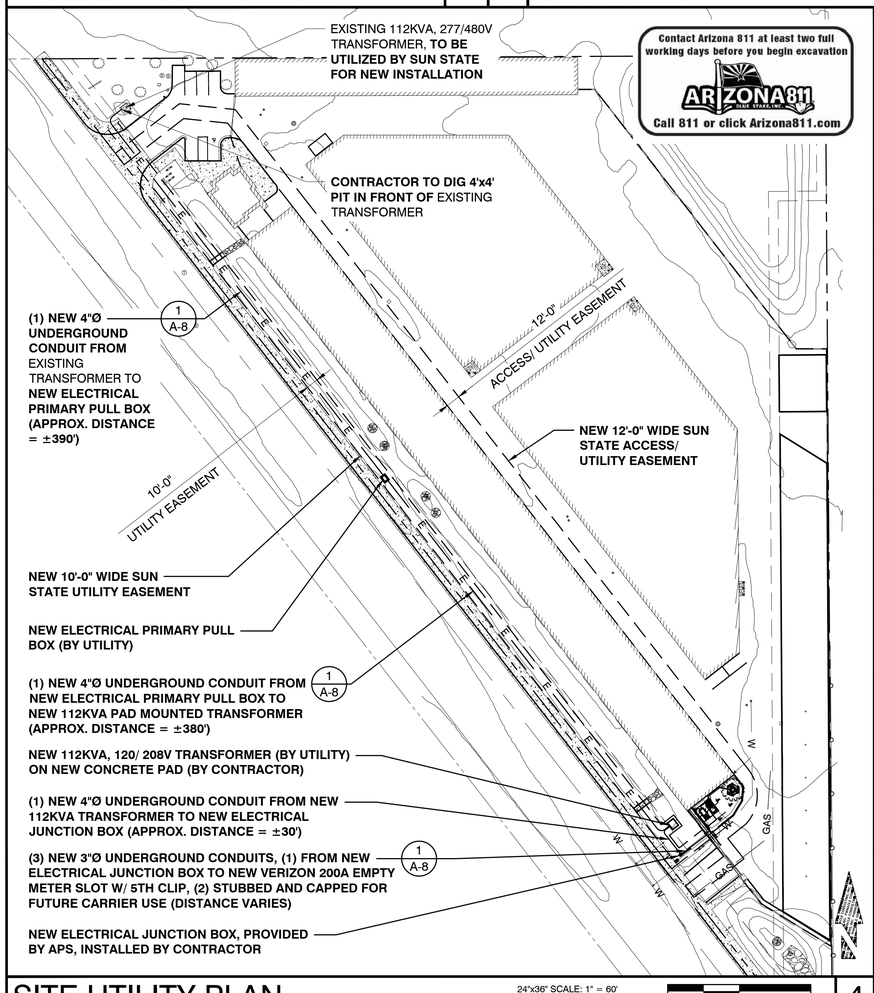
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## ABBREVIATIONS

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| | | | |
|---|---|---|---|
| C.O. | = CONDUIT ONLY | G.C. | = GENERAL CONTRACTOR |
| EMT. | = ELEC. METALLIC TUBING (THIN WALL) | 1P, 2P, & 3P | = SINGLE POLE, 2, & 3 POLE |
| PVC. | = SCHEDULE 40 PLASTIC CONDUIT | EGB | = EQUIPMENT GROUND BUS |
| GRC. | = GALVANIZED RIGID CONDUIT | MGB | = MAIN GROUND BUS |
| FIXT. | = FIXTURE | AFC | = AVAILABLE FAULT CURRENT |
| MTD. | = MOUNTED | CLF | = CURRENT LIMITING FUSE |
| W.A. | = WEATHERPROOF | AWG | = AMERICAN WIRE GAUGE |
| U.O.N. | = UNLESS OTHERWISE NOTED | BCW | = BARE COPPER WIRE |
| G. OR GRD. | = GROUND | GPS | = GLOBAL POSITIONING SYSTEM |
| N. OR NEUT. | = NEUTRAL | PCS | = PERSONAL COMMUNICATION SERVICE |
| A. OR AMP. | = AMPERE | PPC | = POWER PROTECTION CABINET |
| KW. | = KILOWATTS | RWY | = RACEWAY |
| W. | = WATTS | TYP. | = TYPICAL |
| LV. | = LOW VOLTAGE | RGS | = RIGID GALVANIZED STEEL |
| ~ | = PHASE | EMT | = ELECTRICAL METALLIC TUBING |
| DEF | = DUAL ELEMENT FUSES | DWG | = DRAWING |
| DIA | = DIAMETER | IGR | = INTERIOR GROUND RING (HALO) |
| H.P. OR HP | = HORSEPOWER | CCA | = ANTENNA CABLE COVER ASSEMBLY |
| XFMR | = TRANSFORMER | BTS | = BASE TRANSMISSION SYSTEM |
| C.A. | = CIRCUIT BREAKER | GEN | = GENERATOR |
| CKT. | = CIRCUIT | GR | = GROWTH |
| SW. | = SWITCH | BSCW | = BARE STRANDED COPPER WIRE |
| MTS | = MANUAL TRANSFORMER SWITCH | ISCW | = INSULATED STRANDED COPPER WIRE |
| F.A. | = FIRE ALARM | | |
| RECPT. | = RECEPTACLE | | |
| E.C. | = ELECTRIC CONTRACTOR | | |

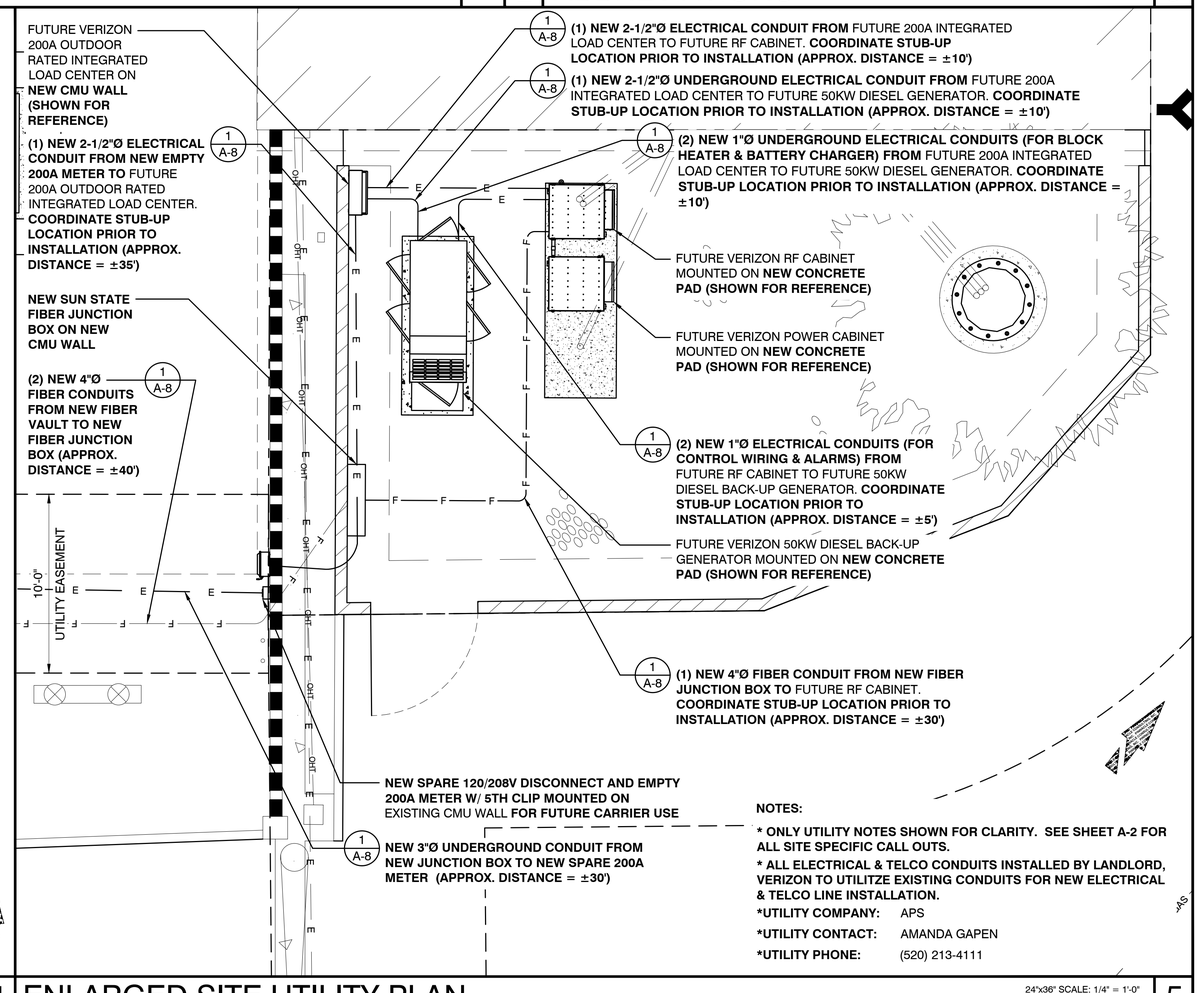



## SITE UTILITY PLAN

24"x36" SCALE: 1" = 60'
11"x17" SCALE: 1" = 120'

60' 30' 0' 60'

4




NOTES:

* ONLY UTILITY NOTES SHOWN FOR CLARITY. SEE SHEET A-2 FOR ALL SITE SPECIFIC CALL OUTS.
* ALL ELECTRICAL & TELCO CONDUITS INSTALLED BY LANDLORD, VERIZON TO UTILITZE EXISTING CONDUITS FOR NEW ELECTRICAL & TELCO LINE INSTALLATION.

*UTILITY COMPANY: APS
*UTILITY CONTACT: AMANDA GAPEN
*UTILITY PHONE: (520) 213-4111

## ENLARGED SITE UTILITY PLAN

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

5

PREPARED FOR:
SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM
PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

| | |
|---|---|
| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/17/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | KAF |
| 1 | 05/31/24 | ISSUED FOR PERMIT | M.G. |
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| 3 | 08/13/24 | UTILITY UPDATES | KAF |
| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER

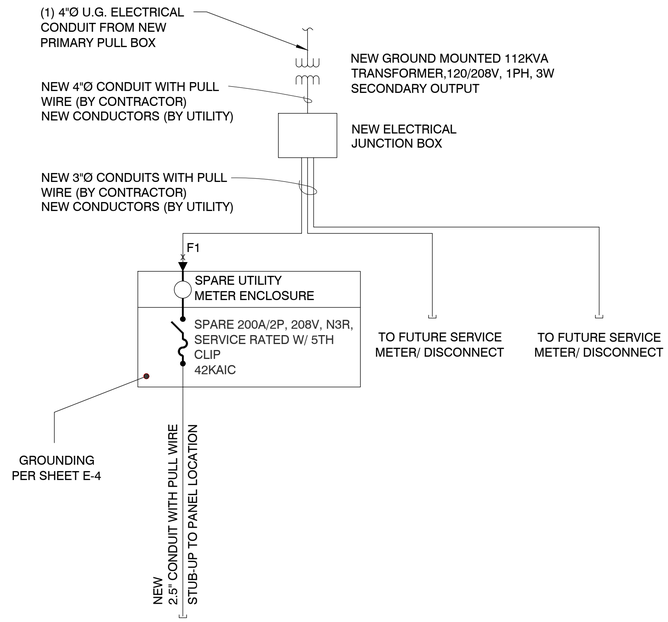
E-2

POWER COMPANY: APS

SUBMIT DRAWINGS TO UTILITY COMPANY REPRESENTATIVE AS REQUIRED IN THE GENERAL NOTES INCLUDED IN THE ELECTRICAL DRAWINGS. PRE CONSTRUCTION MEETING REQUIRED BEFORE ANY WORK BEGINS.

NOTE:
PRIOR TO RUNNING CONDUIT ROUTE, CONTRACTOR SHALL CONTACT THE VERIZON PROJECT MANAGER AND VERIFY THE EQUIPMENT CABINET LAYOUT CONFIGURATION AND ROUTE CONDUITS ACCORDINGLY.

NOTE:
PRE-CONSTRUCTION MEETING AND ELECTRICAL EASEMENT REQUIRED.




PROVIDE APPROVED ARC-FLASH HAZARD WARNING ON ALL REQUIRED ELECTRICAL EQUIPMENT PER NEC 110.16

**WARNING**

Electric Arc Flash Hazard
Will cause severe injury or death
Wear proper protective equipment before opening or performing diagnostic measurements while energized. (See NFPA 70E)

ELECTRICAL CONTRACTOR SHALL PROVIDE LABELING OF THE AVAILABLE FAULT CURRENT FOR EACH PANEL AS NOTED, PER NEC 110.24

# ONE-LINE DIAGRAM

SCALE: NTS

1

## FAULT CALCS

1-PHASE, LINE-TO-LINE SHORT CIRCUIT CALCULATIONS BASED ON THE "POINT-BY-POINT" METHOD

I sca = Isc x M  M = 1/(1 + f)  Cable: f = 2 x L x I / C x E  Xfmr: f = Ip sc x Vp x %Z/100000 x KVA
Is (sca) = Vp/Vs x M x Is

where:

I sc = the available short-circuit current, in amperes, at the beginning of the circuit.
L = the length of circuit to the fault, in feet.
C = the constant from Table C for the type of conductors and circuit arrangement. For parallel runs, multiply "C" value by the number of conductors per phase.
E = Line-to-line voltage or Line-to-ground voltage, where applicable.
Ip = primary current, in amperes.
Vp = primary line-to-line voltage of transformer, in volts.
Vs = secondary line-to-line voltage of transformer, in volts.
%Z = impedance of transformer.
* Use row 'ca' for feeder cables; and row 'xf' for transformers.

| Fault Point | * | Description | Source Isc (amps) | Wire / Cable Size | No. of cond. per phase | Type of conduit | "C" value | E (volts) | L (length) in feet | XFMR. KVA | XFMR. %Z | Vp (volts) | Vs (volts) | f | M | I sca (amps) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F1 | ca | SERVICE ENTRANCE | 26521.00 | | | | | | | | | | | 0.00 | 1.00 | 26521.00 |
| | xf | (PER APS CHARTS) | | | | | | | | | | | | 0.00 | 1.00 | 0.00 |

Note: The above calculations neglected motor short-circuit contributions. If significant, motor short-circuit contribution may be added to the transformer secondary short-circuit current value. A practical estimate of motor contribution is to multiply the total motor load in amperes by 4. Lengths are for calculations only. DO NOT USE for cost estimating or take-off purposes.

2

PREPARED FOR:

SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction
1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

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Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
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EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

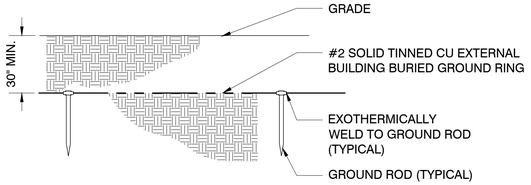
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
ONE-LINE DIAGRAM & FAULT CALC'S

SHEET NUMBER
E-3

## GENERAL GROUNDING NOTES

1. ALL GROUNDING LEADS INSTALLED TO ENSURE A SMOOTH PATH TO COUNTERPOISE WITHOUT KINKS OR SHARP BENDS OR RETURN UPWARDS.
2. CONTRACTOR WILL UTILIZE THE "FALL OF POTENTIAL MEASUREMENT METHOD" PER NETA STANDARDS, UTILIZING THE AEMC-4500 MEASURING DEVICE OR APPROVED EQUAL. ALL GROUND TESTING TO BE PERFORMED BEFORE CONNECTING TO POWER UTILITY GROUND AND PRIOR TO ANY BACKFILL OF GROUNDING TRENCHES. ELECTRICAL CONTRACTOR WILL PROVIDE A MINIMUM OF ONE (1) INSPECTION PORT FOR TESTING GROUNDING RESISTANCE. CONTRACTOR WILL INSTALL THE MINIMUM OF ONE (1) INSPECTION PORT FOR TESTING GROUNDING RESISTANCE, CONTRACTOR WILL INSTALL THE MINIMUM NUMBER OF GROUND RODS INDICATED, SEE GROUNDING PLAN FOR APPROX. LOCATIONS. CONTRACTOR WILL INSTALL ADDITIONAL GROUNDING AS REQUIRED TO ACHIEVE 5 OHMS OR LESS TO GROUND.
3. IT IS THE INTENT THAT AT NO TIME ARE THE GROUND LEADS TO BE INSTALLED BELOW THE SURFACE OF THOSE ARES DESIGNATED FOR FUTURE DISASSOCIATED PADS OR SHELTERS.
4. THE CONTRACTOR WILL DOCUMENT MEGGER TEST RESULTS, REDLINE THE DRAWINGS FOR THE LOCATION OF ALL UNDERGROUND GROUNDING COMPONENTS AND PHOTOGRAPH WITH A DIGITAL CAMERA THE ENTIRE NEWLY INSTALLED GROUNDING SYSTEM PRIOR TO BACKFILL OF ANY OPEN TRENCHES.
5. ANY EXCEPTIONS TO THIS BASIC GROUNDING DESIGN GUIDELINE, ROUTING DESIGN, OR MODIFICATIONS, WILL BE DOCUMENTED AND DIMENSIONED BY THE WAY OF RED LINE DRAWINGS. IT THE RESPONSIBILITY OF THE SELECTED CONTRACTOR TO ENSURE THE NEWLY INSTALLED GROUNDING SYSTEM MEETS THE INDUSTRY STANDARDS OF 5 OHMS OR LESS.




## WIRE & CONDUIT

| | |
|---|---|
| ——— | CONDUIT CONCEALED IN WALLS OR ABOVE CEILING W/ 2 #12, #12 GND, 3/4" C., UNLESS NOTED OTHERWISE. |
| - - - - - - | CONDUIT ROUTED UNDER FLOOR OR BELOW GRADE W/ 2 #12, #12 GRD, 3/4" C., UNLESS NOTED OTHERWISE. |
| ——○ | CONDUIT TURNING UP |
| ——• | CONDUIT TURNING DOWN |
| | INDICATES A PHASE CONDUCTOR<br>INDICATES A GROUNDED (NEUTRAL) CONDUCTOR<br>INDICATES AN EQUIPMENT GROUNDING CONDUCTOR<br>INDICATES AN ISOLATED GROUND CONDUCTOR (SAME SIZE AS EQUIPMENT GROUNDING CONDUCTOR) |
| | GROUND LEAD COILED ABOVE SLAB |

## ELECTRICAL SYMBOLS

| | |
|---|---|
| | TEST WELL/GROUND ROD |
| ⊗ | GROUND ROD - |
| ■ | CADWELD CONNECTION |
| • | MECHANICAL CONNECTION |
| ——— | GROUNDING WIRE |
| | GROUND BAR |
| | SURGE SUPPRESSOR GROUND BAR |
| | FUSED DISCONNECT SWITCH |
| M | METER AND MAIN BREAKER |
| | MANUAL XFR SWITCH AND GEN. RECPT. |
| G• | GPS ANTENNA |
| TMG | TELCO BOARD |
| - - - - - - - | ELECTRICAL POWER |
| - - - - - - - | T-1 LINE |
| | SURFACE MOUNTED PANEL BOARD |


PREPARED FOR:

SUN STATE TOWERS

1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX 480-664-9850

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ03-190 |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

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| | | | |

Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ03-190 SUPERNOVA

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
GROUNDING PLAN AND GROUNDING DETAILS

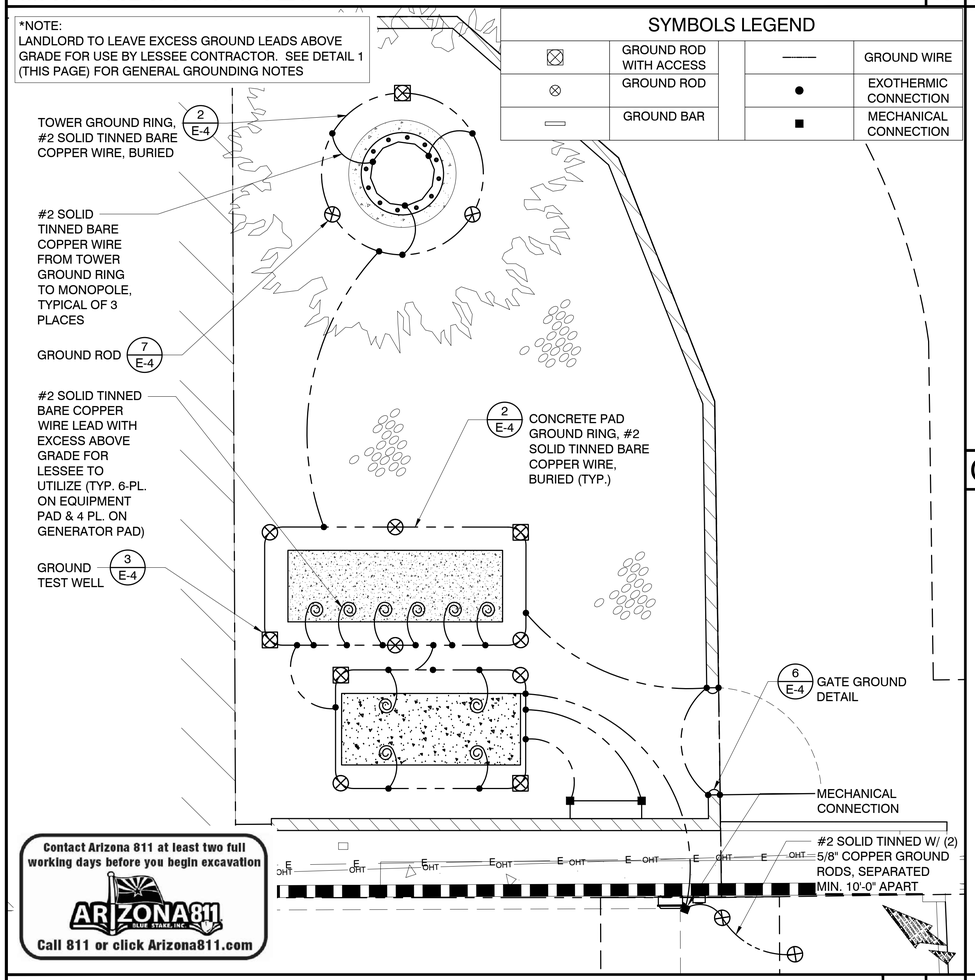
SHEET NUMBER
E-4

## GROUNDING NOTES 1

*NOTE:
LANDLORD TO LEAVE EXCESS GROUND LEADS ABOVE GRADE FOR USE BY LESSEE CONTRACTOR. SEE DETAIL 1 (THIS PAGE) FOR GENERAL GROUNDING NOTES

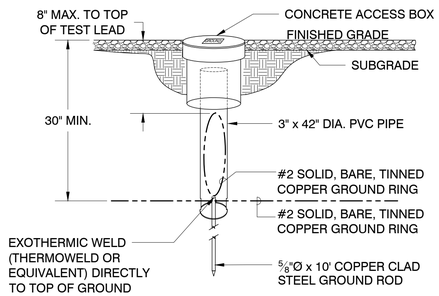
SYMBOLS LEGEND

| | | | |
|---|---|---|---|
| ⊠ | GROUND ROD WITH ACCESS | ——— | GROUND WIRE |
| ⊗ | GROUND ROD | • | EXOTHERMIC CONNECTION |
| ▭ | GROUND BAR | ■ | MECHANICAL CONNECTION |

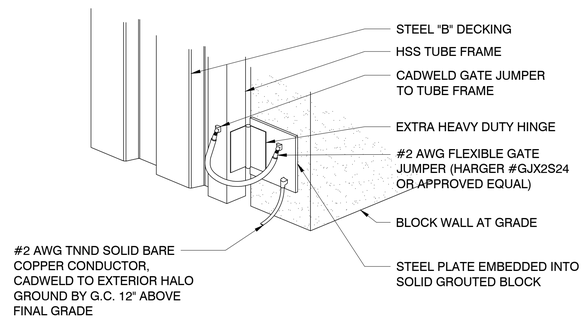



## GROUNDING PLAN — SCALE: NTS — 5

## EXTERIOR GROUND RING — SCALE: NTS — 2

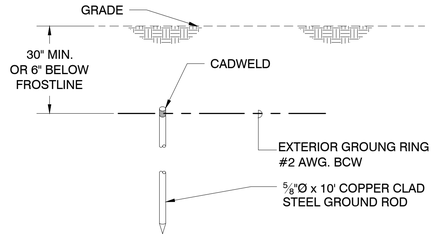



## GROUND TEST WELL DETAIL — SCALE: NTS — 3




## GATE GROUND DETAIL — SCALE: NTS — 6

## SYMBOLS — 4




## GROUND ROD DETAIL — SCALE: NTS — 7

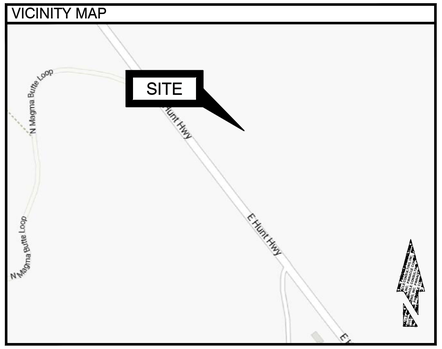
# AZ5 OASIS GOLF CLUB

## APN: 200-25-002H
## 5242 E HUNT HWY
## FLORENCE, AZ 85132
## PINAL COUNTY

### SITE DIRECTIONS

DEPART 6955 W. MORELOS PL., CHANDLER, AZ. 85226, TURN LEFT ONTO S 56TH ST. TURN RIGHT ONTO W SUNDUST RD. ROAD NAME CHANGES TO W WILD HORSE PASS BLVD. TAKE THE RAMP ON THE LEFT AND FOLLOW SIGNS FOR I-10 EAST. AT EXIT 167, HEAD ON THE RAMP RIGHT AND FOLLOW SIGNS FOR RIGGS RD. TURN LEFT ONTO E RIGGS RD TOWARD SUN LAKES. ROAD NAME CHANGES TO W RIGGS RD. KEEP STRAIGHT TO GET ONTO E RIGGS RD. TURN RIGHT ONTO S HIGLEY RD. KEEP STRAIGHT TO GET ONTO W. HUNT HWY. ROAD NAME CHANGES TO E. HUNT HWY. ARRIVE AT 5242 E. HUNT HWY.

### VICINITY MAP




### PROJECT DESCRIPTION

**SCOPE OF WORK**

- INSTALL [9] NEW PANEL ANTENNAS ON NEW ANTENNA MOUNT
- INSTALL [6] NEW REMOTE RADIO HEADS ON NEW ANTENNA MOUNT
- INSTALL [1] NEW OVP-12
- INSTALL NEW ANTENNA MOUNT PER TES REPORT #10252673, DATED 09/29/24 (UNDER SEPARATE COVER)
- INSTALL [2] NEW 6X12 HYBRID CABLES
- INSTALL NEW RF CABINET ON EXISTING CONCRETE PAD
- INSTALL NEW POWER CABINET ON EXISTING CONCRETE PAD
- INSTALL NEW GPS ANTENNA
- INSTALL NEW 50KW DIESEL BACK-UP GENERATOR W/ DIESEL ENHANCED ENCLOSURE ON EXISTING CONCRETE PAD
- INSTALL NEW ELECTRICAL SERVICE
- INSTALL NEW TELCO SERVICE

### SHEET INDEX


| | |
|---|---|
| T-1 | PROJECT INFORMATION |
| GN-1 | GENERAL NOTES |
| LS-1 | SITE SURVEY |
| LS-2 | SITE SURVEY |
| LS-3 | SITE SURVEY |
| A-1 | OVERALL SITE PLAN |
| A-2 | SITE PLAN |
| A-3 | ENLARGED SITE PLAN AND ANTENNA PLAN |
| A-4 | ELEVATIONS |
| A-5 | ELEVATIONS |
| A-6 | DETAILS |
| A-7 | DETAILS |
| E-1 | ELECTRICAL NOTES |
| E-2 | ELECTRICAL DETAILS |
| E-3 | ONE-LINE DIAGRAM, PANEL SCHEDULE, FAULT CALCS |
| E-4 | GROUNDING PLAN AND GROUNDING DETAILS |


### CONTACT INFORMATION

VERIZON WIRELESS
6955 W. MORELOS PL.
CHANDLER, AZ 85226
CONTACT: DAVID BUTTIKER
PHONE: [602] 228-0061

**PROPERTY OWNER:**
SEVILLE INVESTMENTS LLC
26 EXECUTIVE PARK, STE 290
IRVINE, CA 92614
CONTACT: DEBBIE JOHNSON
PHONE: [949] 404-4524

**TOWER OWNER:**
SUN STATE TOWERS
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: CHAD WARD
PHONE: [480] 664-9588 EXT. 214
SITE ID: AZ03-190
SITE NAME: SUPERNOVA

**SITE ACQUISITION:**
PINNACLE CONSULTING, INC.
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
CONTACT: MICHELLE JOHNSON
PHONE: [480] 664-9588 ext. 230

**ENGINEERING FIRM:**
PINNACLE CONSULTING, INC.
1426 N. MARVIN STREET #101
GILBERT, AZ 85233
ENGINEER: KYLE FORTIN, PE
PHONE: [623] 217-4235

### PROJECT DATA

| | |
|---|---|
| **ZONING:** | CB-2 |
| **PARCEL #:** | 200-25-002H |
| **USE:** | UNMANNED COMMUNICATIONS |
| **NEW LEASE AREA:** | 256 SQ. FT |
| **JURISDICTION:** | PINAL COUNTY |
| **GOVERNING CODES:** | 2018 IBC, 2018 IFC, 2018 IMC, 2017 NEC |

ALL BUILDING CODES LISTED ABOVE SHALL INCLUDE AMENDMENTS BY THE GOVERNING JURISDICTION

### COORDINATES

| | | |
|---|---|---|
| **TOWER COORDINATES:** | | |
| LATITUDE | 33.1003994° | 33° 06' 01.438" N [NAD83] |
| LONGITUDE | -111.5080938° | -111° 30' 29.138" W [NAD83] |
| GROUND ELEVATION | | 1543.6' [NAVD88] |
| **FIBER MMP (MEET ME POINT) COORDINATES:** | | |
| LATITUDE | 33.1002361° | 33° 06' 00.850" N [NAD83] |
| LONGITUDE | -111.5082483° | -111° 30' 29.694" W [NAD83] |

### GENERAL NOTES

1. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE HEALTH AND SAFETY STANDARDS FOR ELECTROMAGNETIC FIELD EMISSIONS AS ESTABLISHED BY THE FEDERAL COMMUNICATIONS COMMISSION OR ANY SUCCESSOR THEREOF, AND ANY OTHER FEDERAL OR STATE AGENCY.
2. THIS WIRELESS TELECOMMUNICATIONS FACILITY WILL MEET THE REGULATIONS OF THE FEDERAL COMMUNICATIONS COMMISSION REGARDING PHYSICAL AND ELECTROMAGNETIC INTERFERENCE.
3. LIGHTING OR SIGNS WILL BE PROVIDED ONLY AS REQUIRED BY FEDERAL OR STATE AGENCIES.
4. DEVELOPMENT AND CONSTRUCTION OF THIS PROJECT WILL COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.
5. EXISTING PARKING IS NOT AFFECTED BY THIS PROJECT.
6. THIS PROJECT DOES NOT INCLUDE WATER OR SEWER.
7. THIS PROJECT INCLUDES C-BAND INSTALLATION.
8. POST MODIFICATION INSPECTION REQUIRED PER TOWER ENGINEERING SOLUTIONS, LLC (T.E.S.) MOUNT ANALYSIS REPORT #10252673, DATED 09/29/24.

### APPROVALS

[RF]: _____ DATE: _____

[CONST.]: _____ DATE: _____

[RE]: _____ DATE: _____

LANDLORD: _____ DATE: _____

PREPARED FOR:

verizon

6955 W. MORELOS PL., CHANDLER, AZ 85226
PHONE: (480) 777-4360
FAX: (480) 777-4391

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

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|---|---|
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| DRAWN BY: | M.G. |
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| | | | |
| | | | |

Registered Professional Engineer (Civil)
66312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

PROJECT INFORMATION

SHEET NUMBER

T-1

## GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR - SUN STATE TOWERS
   SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
   OWNER - VERIZON WIRELESS
   OEM - ORIGINAL EQUIPMENT MANUFACTURE
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. DELETED.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS REQUIRED.
10. THE SUBCONCTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OFF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED.ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATION 25741-000-3APS-AOOZ-00002, "GENERAL CONSTRUCTION SERVICES.
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

## CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS,UNLESS NOTED OTHERWISE
3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH 3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER 2 IN.
   #5 AND SMALLER & WWF 1-1/2 IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER, NOR CAST AGAINST THE GROUND:
   SLAB AND WALL 3/4 IN.
   BEAMS AND COLUMNS 1-1/2 IN.

5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, U.N.O., IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
6. POST INSTALLED ANCHORS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATION 3GS-T18-0013" SELECTION, DESIGN, INSTALLATION, INSPECTION AND TESTING OF ADHESIVE AND MECHANICAL EXPANSION ANCHORS FOR WIRELESS SITE FACILITIES". ANCHORS SHALL BE HILTI OR APPROVED EQUAL, INSTALLED, INSPECTED AND TESTED AS SHOWN ON THE DESIGN DRAWINGS. NO REINFORCING STEEL SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL.
7. CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (2012 IBC 1705.3(3)) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;

   (A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,
   (B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.

   FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST, TAKING THREE CYLINDERS FROM EACH TRUCK.

## GROUNDING NOTES:

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH 24782-000-3PS-EG00-0001, DESIGN & TESTING OF FACILITY GROUNDING FOR CELL SITES.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS; 2 AWS STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED WITH STAINLESS STEEL HARDWARE TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
13. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA 222. FOR TOWERS BEING BUILT TO REV G OF THE STANDARD, THE WIRE SIZE OF THE BURIED GROUND RING AND CONNECTIONS BETWEEN THE TOWER AND THE BURIED GROUND RING SHALL BE CHANGED FROM 2 AWG TO 2/0 AWG. IN ADDITION, THE MINIMUM LENGTH OF THE GROUND RODS SHALL BE INCREASED FROM 8 FEET TO 10 FEET.

## SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE SUBCONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTEFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
6. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE VERIZON WIRELESS SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

## MASONRY NOTES:

1. MASONRY WALLS SHALL BE CONSTRUCTED OF 8" STANDARD HOLLOW CONCRETE MASONRY UNITS SHALL CONFORMING TO ASTM C90, GRADE N, TYPE 1, F'M = 1,500 PSI, RUNNING BOND, MORTAR TYPE S, 1,800 PSI. GROUT SHALL BE 2,000 PSI. MECHANICALLY VIBRATE GROUT IN VERTICAL SPACES IMMEDIATELY AFTER POURING AND AGAIN ABOUT 5 MINUTES LATER. PROVIDE CLEANOUTS IF GROUT LIFT EXCEEDS 4'-0" IN BLOCK WALLS. MAXIMUM GROUT LIFT SHALL BE 8'-0". CONTROL JOINTS REQUIRED IN ALL WALLS GREATER THAN 24'-0" IN LENGTH. SPACE CONTROL JOINTS AT 24'-0" MAXIMUM.

## ELECTRICAL INSTALLATION NOTES:

1. WIRING, RACEWAY, AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
2. SUBCONTRACTOR SHALL MODIFY EXISTING CABLE TRAY SYSTEM AS REQUIRED TO SUPPORT RF AND TRANSPORT CABLING TO THE NEW BTS EQUIPMENT. SUBCONTRACTOR SHALL SUBMIT MODIFICATIONS TO CONTRACTOR FOR APPROVAL.
3. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
4. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
5. EACH END OF EVERY POWER, GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA, AND MATCH EXISTING INSTALLATION REQUIREMENTS.
6. POWER PHASE CONDUCTORS (I.E., HOTS)SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). PHASE CONDUCTOR COLOR CODES SHALL CONFORM WITH THE NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS..
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S)..
8. PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
9. ALL TIE WRAPS WHERE PERMITTED SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES. USE LOW PROFILE TIE WRAPS.
10. POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
12. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS, OR BELOW GRADE, SHALL BE SINGLE CONDUCTOR 2 AWG SOLID TINNED COPPER CABLE, UNLESS OTHERWISE SPECIFIED.
13. POWER WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (12 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
14. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
15. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
16. NEW RACEWAY OR CABLE TRAY WILL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
17. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
18. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
19. GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
20. RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
21. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
22. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
23. CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
24. CABINETS, BOXES, AND WIREWAYS TO MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
25. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
26. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
27. METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
28. NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
29. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE OWNER BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
30. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODS AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

## SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE UNDISTURBED NATURAL SUBGRADE AND PLACE CRUSHED STONE AS REQUIRED.

2a. COMPACTION CERTIFICATION: AN INSPECTION AND WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.

2b. AS AN ALTERNATIVE TO ITEM 2a. THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.

2c. AS AN ALTERNATIVE TO ITEMS 2a AND 2b PROOFROLL THE SUBGRADE SOILS WITH 5 PASSES OF A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED AND REPLACED WITH A WELL-GRADED GRANULAR FILL, AND COMPACTED AS STATED ABOVE.

3. COMPACTED SUBBASE SHALL BE UNIFORM & LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

## COMPACTION EQUIPMENT:

HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

## SYMBOLS

- S/G — SOLID GROUND BUS BAR
- S/N — SOLID NEUTRAL BUS BAR
- SUPPLEMENTAL GROUND BAR
- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- CHEMICAL GROUND ROD
- GROUND ROD
- DISCONNECT SWITCH
- (M) METER
- CADWELD TYPE CONNECTION
- COMPRESSION TYPE CONNECTION
- GROUNDING WIRE

## ABBREVIATIONS

| | |
|---|---|
| AGL | ABOVE GRADE LEVEL |
| BTS | BASE TRANSCEIVER STATION |
| (E) | EXISTING |
| NEW | NEW |
| MIN | MINIMUM |
| N.T.S. | NOT TO SCALE |
| REF | REFERENCE |
| RF | RADIO FREQUENCY |
| TYP | TYPICAL |
| REQ | REQUIRED |
| EGR | EQUIPMENT GROUND RING |
| AWG | AMERICAN WIRE GAUGE |
| CRGB | MASTER GROUND BAR (MASTER GROUND BAR) |
| EG | EQUIPMENT GROUND |
| BCW | BARE COPPER WIRE |
| SIAD | SMART INTEGRATED ACCESS DEVICE |
| GEN | GENERATOR |
| IGR | INTERIOR GROUND RING (HALO) |
| RBS | RADIO BASE STATION |


PREPARED FOR:

verizon

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CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ5 OASIS GOLF CLUB |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/22/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | CDA |
| 1 | 05/23/24 | ISSUED FOR PERMIT | M.G. |
| 2 | 06/13/24 | ISSUED FOR PERMIT | M.G. |
| 3 | 08/06/24 | ISSUED FOR PERMIT | JC |
| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer, Civil
KYLE A. FORTIN
6312
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

# LESSOR'S LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF PINAL, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 1 OF THAT PROPERTY AS DESCRIBED IN A DOCUMENT ENTITLED "SPECIAL WARRANTY DEED" FILED AS FEE NO. 2006–007264 AND PARCEL 2 OF THAT PROPERTY AS DESCRIBED IN A DOCUMENT ENTITLED "SPECIAL WARRANTY DEED" FILED AS FEE NO. 2006–007265 ALL RECORDS OF PINAL COUNTY, ARIZONA, BEING A PORTION OF LAND BEING SITUATED WITHIN THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 NORTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A REBAR WITH CAP ACCEPTED AT THE NORTHEAST CORNER OF SAID PARCEL 2 FROM WHICH A FOUND REBAR WITH CAP ACCEPTED AS THE SOUTHEAST CORNER OF SAID PARCEL 2 THEREOF BEARS SOUTH 00°10'00" EAST, 892.02 FEET;

THENCE SOUTH 00°10'00" EAST, 855.84 FEET ALONG THE EAST LINE OF SAID PARCEL 2 TO A POINT ON THE NORTHEASTERLY RIGHT OF WAY LINE AS SHOWN IN SPECIAL WARRANTY DEED FILED AS DOCUMENT NO. 2008–065676 RECORDS OF PINAL COUNTY, ARIZONA;

THENCE NORTH 37°17'07" WEST, 1080.35 FEET ALONG SAID NORTHEASTERLY LINE TO THE NORTH LINE OF PARCEL 2;

THENCE LEAVING SAID NORTHEASTERLY LINE, NORTH 89°59'29" EAST, 656.96 FEET TO THE AFORESAID NORTHEAST CORNER OF SAID PARCEL 2 BEING THE POINT OF BEGINNING.

AND BEING THE SAME PROPERTY CONVEYED TO DOLLAR SELF STORAGE #23, LLC, AN ARIZONA LIMITED LIABILITY COMPANY FROM SEVILLE INVESTMENTS LLC, A DELAWARE LIMITED LIABILITY COMPANY, AND THOMSON MANAGEMENT GROUP NV, LP, A NEVADA LIMITED PARTNERSHIP BY SPECIAL WARRANTY DEED DATED MARCH 18, 2021 AND RECORDED MAY 11, 2021 IN INSTRUMENT NO. 2021–058769.

# NOTES

1. ALL TITLE INFORMATION IS BASED UPON A COMMITMENT FOR TITLE INSURANCE PREPARED BY FIDELITY NATIONAL TITLE INSURANCE CO, ORDER NO.: 5000003678 EFFECTIVE DATE: 01/03/24.
2. SURVEYOR HAS NOT PERFORMED A SEARCH OF PUBLIC RECORDS TO DETERMINE ANY DEFECT IN TITLE.
3. THE BOUNDARY SHOWN HEREON IS PLOTTED FROM RECORD INFORMATION AND DOES NOT CONSTITUTE A BOUNDARY SURVEY OF THE PROPERTY AND IS NOT INTENDED TO VERIFY OWNERSHIP.
4. SURVEYOR DOES NOT GUARANTEE THE LOCATION, EXISTENCE, SIZE OR DEPTH OF ANY PUBLIC OR PRIVATE UTILITY. 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.

# FLOODZONE

THIS IS TO CERTIFY THAT THE ABOVE SUBJECT PROPERTY LIES WITHIN ZONE 'X' AS DESIGNATED ON THE FIRM FLOOD INSURANCE RATE MAP, MAP NUMBER 04021C0850E, DATED DECEMBER 4, 2007. ZONE 'X' IS DESIGNATED AS BEING AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THAT CIRCUMSTANCE.

# BENCHMARK

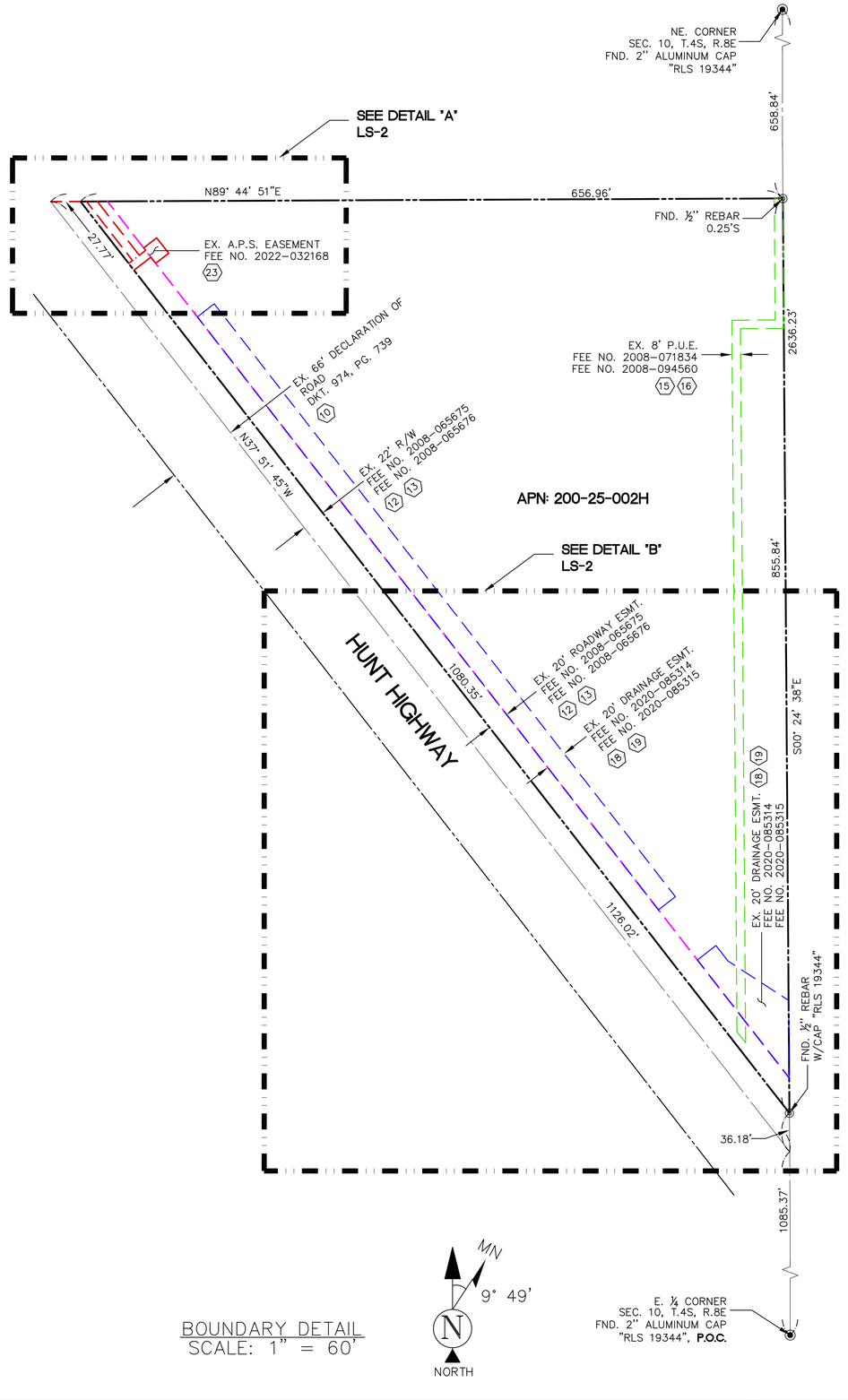
ELEVATIONS SHOWN HEREON ARE REPRESENTED IN NAVD88 ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS, APPLYING GEOID 12A SEPARATIONS.

# BASIS OF BEARING

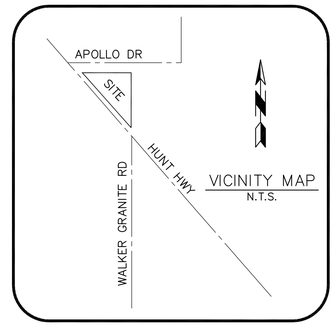
BEARINGS SHOWN HEREON ARE BASED UPON U.S. STATE PLANE NAD83 COORDINATE SYSTEM ARIZONA STATE PLANE ZONE CENTRAL, DETERMINED BY GPS OBSERVATIONS.

# SURVEY DATE

THE FIELD SURVEY FOR THE PROJECT WAS COMPLETED ON 02/08/24.




BOUNDARY DETAIL
SCALE: 1" = 60'




# TITLE REPORT SCHEDULE "B" ITEMS

8. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 375, PAGE 572. **(DOES NOT AFFECT)**
9. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 974, PAGE 728. **(DOES NOT AFFECT)**
10. DECLARATION OF ROAD RECORDED ON FEBRUARY 21, 1964 IN DEED BOOK 974, PAGE 739. **(AS SHOWN ON SURVEY)**
11. DECLARATION OF COVENANTS AND RESTRICTIONS RECORDED ON JANUARY 17, 2006 IN INSTRUMENT NO. 2006–007263. **(BLANKET IN NATURE)**
12. RESOLUTION NO. 070908–RK RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065675. **(AS SHOWN ON SURVEY)**
13. RIGHT OF WAY IN FAVOR OF PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA SET FORTH IN INSTRUMENT RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065676. **(AS SHOWN ON SURVEY)**
14. AGREEMENT TO DONATE REAL PROPERTY AND WAIVER OF APPRAISAL AND COMPENSATION DATED AUGUST 23, 2007, BY AND BETWEEN ROBERT KERLEY AND JOHN C. THOMSON AND ROBERT C. MISTER AND PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA, RECORDED ON JULY 11, 2008 IN INSTRUMENT NO. 2008–065677. **(AS SHOWN ON SURVEY)**
15. UTILITY EASEMENT AGREEMENT IN FAVOR OF COXCOM, INC., A DELAWARE CORPORATION, OPERATING IN THE STATE OF ARIZONA UNDER THE TRADE NAME COX COMMUNICATIONS ARIZONA SET FORTH IN INSTRUMENT RECORDED ON JULY 30, 2008 IN INSTRUMENT NO. 2008–071834. **(AS SHOWN ON SURVEY)**
16. UTILITY EASEMENT AGREEMENT IN FAVOR OF THE CITY OF MESA, AN ARIZONA MUNICIPAL CORPORATION SET FORTH IN INSTRUMENT RECORDED ON OCTOBER 2, 2008 IN INSTRUMENT NO. 2008–094560. **(AS SHOWN ON SURVEY)**
17. RESOLUTION NO. 1431–14 RECORDED ON APRIL 9, 2014 IN INSTRUMENT NO. 2014–020510. **(BLANKET IN NATURE)**
18. DRAINAGE EASEMENT IN FAVOR OF PINAL COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF ARIZONA SET FORTH IN INSTRUMENT RECORDED ON AUGUST 27, 2020 IN INSTRUMENT NO. 2020–085314. **(AS SHOWN ON SURVEY)**
19. RESOLUTION NO. 082620–R020–015 RECORDED ON AUGUST 27, 2020 IN INSTRUMENT NO. 2020–085315. **(AS SHOWN ON SURVEY)**
20. MATTERS AS SHOWN AND NOTED ON SURVEY RECORDED IN INSTRUMENT NO. 2021–007373. **(AS SHOWN ON SURVEY)**
21. CONSTRUCTION DEED OF TRUST AND FIXTURE FILING FROM DOLLAR SELF STORAGE #23, LLC, AN ARIZONA LIMITED LIABILITY COMPANY, GRANTOR(S), TO STEWART TITLE GUARANTY COMPANY, TRUSTEE(S), IN FAVOR OF FARMERS AND MERCHANTS BANK OF LONG BEACH, DATED MAY 6, 2021, AND RECORDED MAY 11, 2021 IN INSTRUMENT NO. 2021–058771, IN THE ORIGINAL AMOUNT OF $7,400,000.00; RE–RECORDED ON AUGUST 22, 2023 IN INSTRUMENT NO. 2023–061983. **(BLANKET IN NATURE)**
22. UCC/FINANCING STATEMENT BETWEEN DOLLAR SELF STORAGE 23, LLC, DEBTOR (S), AND FARMERS AND MERCHANTS BANK OF LONG BEACH, CREDITOR, FILED ON AUGUST 22, 2023, IN THE OFFICIAL RECORDS AS INSTRUMENT NO. 2023–061984. **(AS SHOWN ON SURVEY)**
23. UTILITY EASEMENT IN FAVOR OF ARIZONA PUBLIC SERVICE COMPANY, AN ARIZONA CORPORATION SET FORTH IN INSTRUMENT RECORDED ON MARCH 17, 2022 IN INSTRUMENT NO. 2022–032168. **(AS SHOWN ON SURVEY)**


SUN STATE
TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX: 480-664-9850


SITE NAME:
AZ03–190
SUPERNOVA

SITE ADDRESS:
5242 E. HUNT HWY
FLORENCE, AZ 85132

SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
| 1 | MG | 02/09/24 | SUBMITTAL 1 |
| 2 | MG | 03/01/24 | FINAL SUBMITTAL |
| 3 | MG | 05/13/24 | REVISION |
| 4 | MG | 09/04/24 | REVISION |
| | | | |
| | | | |
| | | | |
| | | | |


TERRAMARK
LAND SURVEYING
24654 N. LAKE PLEASANT PKWY #103–163
PEORIA, AZ 85383
P. 480–440–1748
F. 623–777–1782
www.terramarksurveying.com


REGISTERED LAND SURVEYOR
CERTIFICATE NO.
51969
MARK J.
GRIM
Date signed 09/04/24
ARIZONA, U.S.A.
EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

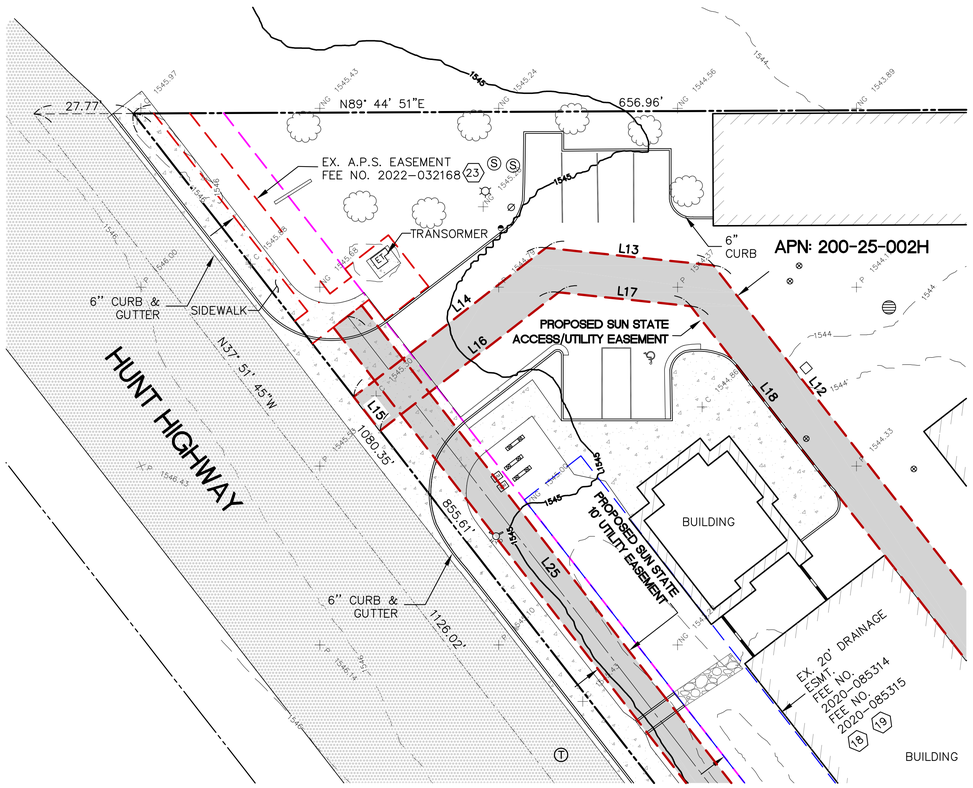
| SHEET NO.: | SHEET NAME: |
|---|---|
| 1 OF 3 | LS–1 |

## LEGEND

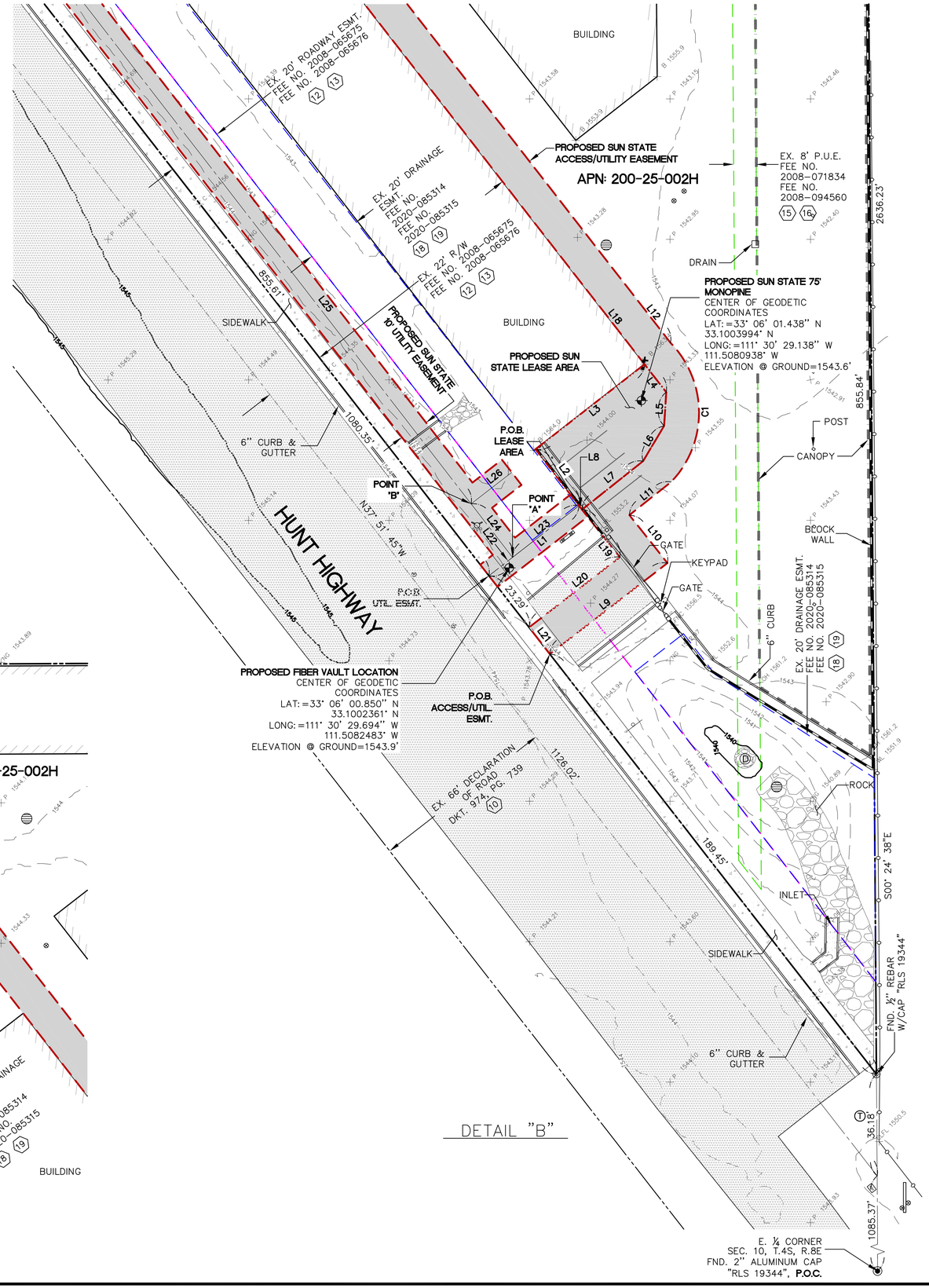
- FOUND 2" ALUMINUM CAP AS NOTED
- FOUND 1/2" REBAR AS NOTED
- SEWER MANHOLE
- SEWER CLEANOUT
- TELEPHONE MANHOLE
- FIRE DEPT. CONNECTION
- WATER VALVE
- FIRE HYDRANT
- WM — WATER METER
- BACKFLOW PREVENTER
- WATER MARKER
- STORM MANHOLE
- DRY WELL
- ELECTRIC TRANSFORMER
- LIGHT POST
- TREE (TYP)
- SIGN
- BOLLARD
- DISABLED PARKING SPACE
- BREAKLINE
- POSITION OF GEODETIC COORDINATES
- P.O.B. — POINT OF BEGINNING
- P.O.C. — POINT OF COMMENCEMENT
- FND — FOUND
- EX — EXISTING
- NG — NATURAL GRADE
- P — PAVEMENT GRADE
- C — CONCRETE GRADE
- B — TOP OF BUILDING
- C.L.F. — CHAIN LINK FENCE
- FNC — TOP OF FENCE
- OH — TOP OF OVERHANG
- WL — TOP OF WALL
- P.U.E. — PUBLIC UTILITY EASEMENT
- R/W — RIGHT-OF-WAY
- BOUNDARY LINE
- ADJOINING BOUNDARY LINE
- EASEMENT LINE
- CENTERLINE
- LEASE LINE
- TIE-LINE
- CHAIN LINK FENCE
- PAVED AREA
- ROCK AREA
- CONCRETE AREA

MN 9° 49' N NORTH

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.




DETAIL "A"




DETAIL "B"


SUN STATE TOWERS
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SUPERNOVA

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SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
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| 4 | MG | 09/04/24 | REVISION |


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CERTIFICATE NO.
51969
MARK J. GRIM
09/04/24
ARIZONA, U.S.A.
EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

| SHEET NO.: | SHEET NAME: |
|---|---|
| 2 OF 3 | LS-2 |

## LEASE AREA LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 224.74 FEET;

THENCE NORTH 52° 08' 15" EAST, 40.61 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 37° 40' 47" WEST, 25.38 FEET;

THENCE NORTH 52° 05' 41" EAST, 49.24 FEET;

THENCE SOUTH 37° 51' 45" EAST, 12.58 FEET;

THENCE SOUTH 03° 34' 23" WEST, 12.00 FEET;

THENCE SOUTH 30° 48' 44" WEST, 14.64 FEET;

THENCE SOUTH 51° 33' 08" WEST, 27.75 FEET;

THENCE NORTH 37° 40' 47" WEST, 1.77 FEET TO THE POINT OF BEGINNING.

CONTAINS 1,215 SQUARE FEET.

## ACCESS/UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 189.45 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 52° 17' 38" EAST, 52.95 FEET;

THENCE NORTH 38° 26' 40" WEST, 21.79 FEET;

THENCE NORTH 51° 33' 20" EAST, 18.96 FEET TO THE BEGINNING OF A CURVE TO THE LEFT, HAVING A RADIUS OF 35.56 FEET AND A CHORD WHICH BEARS NORTH 00° 14' 00" WEST, 49.53 FEET;

THENCE ALONG SAID CURVE, THROUGH A CENTRAL ANGLE OF 88° 17' 14", AN ARC LENGTH OF 54.80 FEET;

THENCE NORTH 37° 51' 45" WEST, 696.80 FEET;

THENCE NORTH 84° 02' 03" WEST, 47.06 FEET;

THENCE SOUTH 52° 13' 19" WEST, 67.98 FEET TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE SOUTH 37° 51' 45" EAST, ALONG SAID RIGHT-OF-WAY LINE, 12.00 FEET;

THENCE NORTH 52° 13' 19" EAST, 63.14 FEET;

THENCE SOUTH 84° 02' 03" EAST, 37.13 FEET;

THENCE SOUTH 37° 51' 45" EAST, 704.63 FEET;

THENCE SOUTH 03° 34' 23" WEST, 12.00 FEET;

THENCE SOUTH 30° 48' 44" WEST, 14.64 FEET;

THENCE SOUTH 51° 33' 08" WEST, 27.75 FEET;

THENCE SOUTH 38° 26' 23" EAST, 21.64 FEET;

THENCE SOUTH 52° 17' 38" WEST, 40.82 FEET TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE SOUTH 37° 51' 45" EAST, ALONG SAID RIGHT-OF-WAY LINE, 12.00 FEET TO THE POINT OF BEGINNING.

CONTAINS 11,299 SQUARE FEET.

| LINE TABLE | | |
|---|---|---|
| LINE | LENGTH | BEARING |
| L1 | 40.61' | N52° 08' 15"E |
| L2 | 25.38' | N37° 40' 47"W |
| L3 | 49.24' | N52° 05' 41"E |
| L4 | 12.58' | S37° 51' 45"E |
| L5 | 12.00' | S3° 34' 23"W |
| L6 | 14.64' | S30° 48' 44"W |
| L7 | 27.75' | S51° 33' 08"W |
| L8 | 1.77' | N37° 40' 47"W |
| L9 | 52.95' | N52° 17' 38"E |
| L10 | 21.79' | N38° 26' 40"W |
| L11 | 18.96' | N51° 33' 20"E |
| L12 | 696.80' | N37° 51' 45"W |
| L13 | 47.06' | N84° 02' 03"W |
| L14 | 67.98' | S52° 13' 19"W |
| L15 | 12.00' | S37° 51' 45"E |
| L16 | 63.14' | N52° 13' 19"E |
| L17 | 37.13' | S84° 02' 03"E |
| L18 | 704.63' | S37° 51' 45"E |
| L19 | 21.64' | S38° 26' 23"E |
| L20 | 40.82' | S52° 17' 38"W |
| L21 | 12.00' | S37° 51' 45"E |
| L22 | 10.65' | N52° 08' 15"E |
| L23 | 29.96' | N52° 08' 15"E |
| L24 | 24.10' | N37° 43' 46"W |
| L25 | 750.01' | N37° 43' 46"W |
| L26 | 18.29' | N52° 16' 14"E |

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE | LENGTH | RADIUS | DELTA | CHORD | CHORD LENGTH |
| C1 | 54.80' | 35.56' | 88°17'14" | N0° 14' 00"W | 49.53' |

## UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 4 SOUTH, RANGE 8 EAST OF THE GILA AND SALT RIVER MERIDIAN, PINAL COUNTY, ARIZONA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT A FOUND ALUMINUM CAP "RLS 19344" AT THE EAST QUARTER CORNER OF SAID SECTION 10 FROM WHICH A FOUND ALUMINUM CAP "RLS 19344" AT THE NORTHEAST CORNER OF SECTION 10 BEARS NORTH 00° 24' 38" WEST, 2636.23 FEET;

THENCE NORTH 00° 24' 38" WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, 1121.55 FEET TO A FOUND HALF INCH REBAR "RLS 19344" AND TO A POINT ON THE NORTHEASTERLY RIGHT-OF-WAY LINE OF HUNT HIGHWAY;

THENCE NORTH 37° 51' 45" WEST, ALONG SAID RIGHT-OF-WAY LINE, 224.74 FEET TO THE POINT OF BEGINNING, SAID POINT BEING THE CENTERLINE OF A 10.00 FOOT WIDE STRIP OF LAND;

THENCE NORTH 52° 08' 15" EAST, 10.65 FEET TO A POINT HEREON REFERRED TO AS POINT "A";

THENCE CONTINUING NORTH 52° 08' 15" EAST, 29.96 FEET TO THE POINT OF TERMINUS. AND;

BEGINNING AT SAID POINT "A";

THENCE NORTH 37° 43' 46" WEST, 24.10 FEET TO A POINT HEREON REFERRED TO AS POINT "B";

THENCE CONTINUING NORTH 37° 43' 46" WEST, 750.01 FEET TO THE POINT OF TERMINUS. AND;

BEGINNING AT SAID POINT "B", SAID POINT BEING THE CENTERLINE OF A 11.34 FOOT WIDE STRIP OF LAND;

THENCE NORTH 52° 16' 14" EAST, 18.29 FEET TO THE POINT OF TERMINUS.

SIDELINES OF SAID EASEMENT SHALL BE LENGTHENED OR SHORTENED RESPECTIVELY IN ORDER TO PROVIDE A CONTIGUOUS EASEMENT THROUGHOUT.

CONTAINS 8,248 SQUARE FEET.


SUN STATE TOWERS
1426 NORTH MARVIN STREET #101
GILBERT, AZ 85233
PHONE: 480-664-9588 - FAX: 480-664-9850


SITE NAME:
AZ03-190
SUPERNOVA

SITE ADDRESS:
5242 E. HUNT HWY
FLORENCE, AZ 85132

SUBMITTALS

| NO. | BY | DATE | SUBMITTAL |
|---|---|---|---|
| 1 | MG | 02/09/24 | SUBMITTAL 1 |
| 2 | MG | 03/01/24 | FINAL SUBMITTAL |
| 3 | MG | 05/13/24 | REVISION |
| 4 | MG | 09/04/24 | REVISION |
| | | | |
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| | | | |


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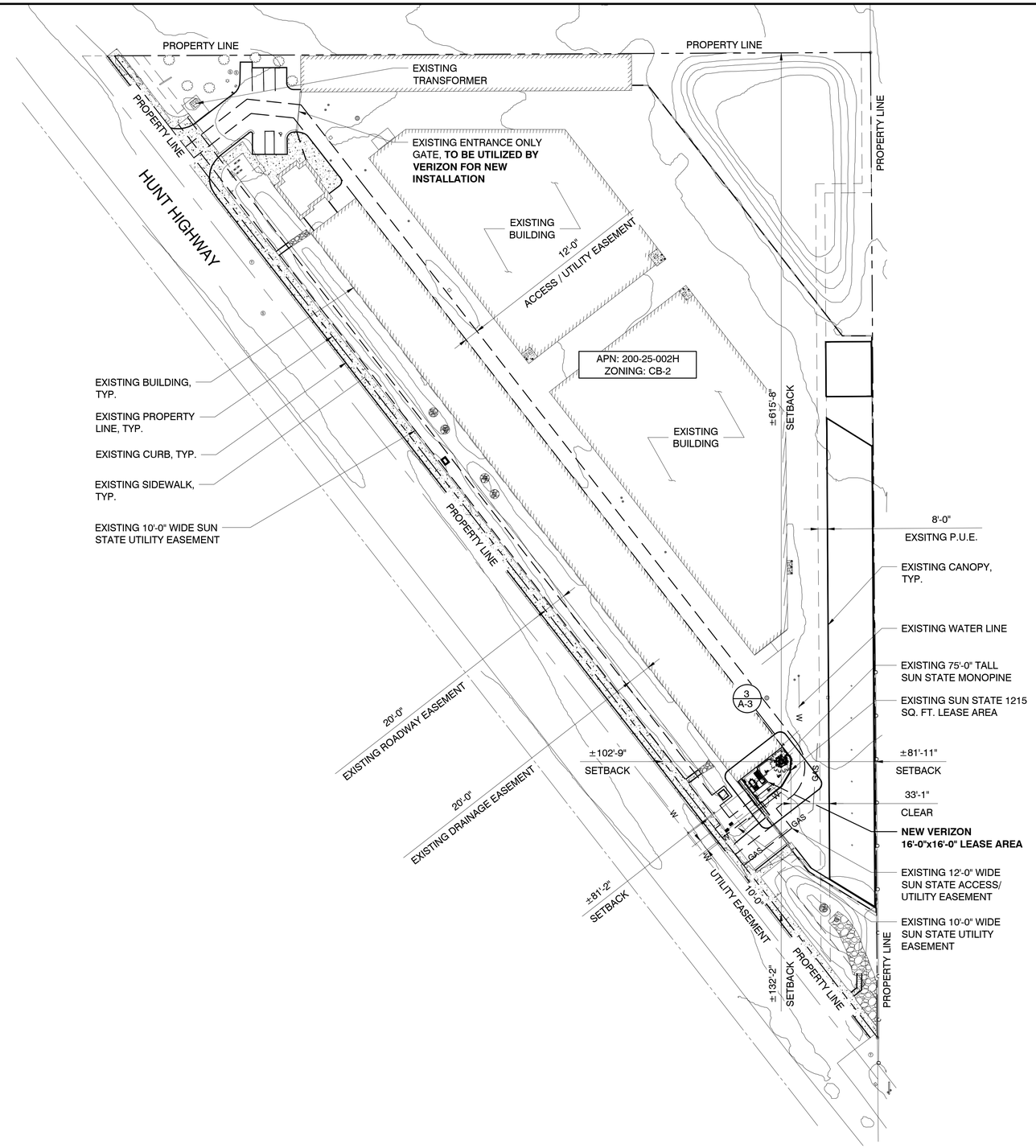

REGISTERED LAND SURVEYOR
CERTIFICATE NO.
51969
MARK J.
GRIM
09/04/24
ARIZONA, U.S.A.

EXPIRES 03/31/26

SITE SURVEY

| JOB NO: | FIELD BY: | DRAWN BY: |
|---|---|---|
| 1403176 | MG | MG |

| SHEET NO.: | SHEET NAME: |
|---|---|
| 3 OF 3 | LS-3 |




| SETBACK TABLE | |
|---|---|
| NORTH | ±615'-8" |
| SOUTH | ±132'-2" |
| SOUTHWEST | ±81'-2" |
| EAST | ±81'-11" |
| WEST | ±102'-9" |

# OVERALL SITE PLAN

24"x36" SCALE: 1" = 50'
11"x17" SCALE: 1" = 100'
50' 25' 0' 50'

1


PREPARED FOR:

verizon

6955 W. MORELOS PL., CHANDLER, AZ 85226
PHONE: (480) 777-4360
FAX: (480) 777-4391

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ5 OASIS GOLF CLUB |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/22/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | CDA |
| 1 | 05/23/24 | ISSUED FOR PERMIT | M.G. |
| 2 | 06/13/24 | ISSUED FOR PERMIT | M.G. |
| 3 | 08/06/24 | ISSUED FOR PERMIT | JC |
| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.

EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1

**NOTE:**
**ANTENNAS AND ANTENNA MOUNTS NOT SHOWN FOR CLARITY**

EXISTING DRAINAGE BASIN

EXISTING BUILDING

EXISTING SUN STATE LEASE AREA

49'-3"

HFLX

HFDX

20'-0"
EXISTING DRAINAGE EASEMENT

20'-0"
EXISTING ROADWAY EASEMENT

10'-0"
UTILITY EASEMENT

EXISTING 112KVA, 120/208V PAD MOUNTED TRANSFORMER

EXISTING 10'-0" WIDE SUN STATE UTILITY EASEMENT

EXISTING SUN STATE LEASE AREA

27'-2"

E OHT

EXISTING FIRE DEPARTMENT WATER CONNECTION

EXISTING 75'-0" TALL SUN STATE MONOPINE

EXISTING SUN STATE 8'-0" TALL PAINTED & TEXTURED CMU WALL

8'-0"
EXISTING P.U.E.

EXISTING SUN STATE 1215 SQ. FT. LEASE AREA

EXISTING WATER LINE, TYP.

**NEW VERIZON 16'-0"x16'-0" LEASE AREA**

EXISTING 12'-0" WIDE SUN STATE ACCESS/ UTILITY EASEMENT

EXISTING EXIT ONLY ROLLING ACCESS GATE, **TO BE UTILIZED BY VERIZON FOR NEW INSTALLATION**

EXISTING MAN GATE

EXISTING CMU WALL, TYP.

EXISTING DRIVEWAY

12'-0"
ACCESS / UTILITY EASEMENT

EXISTING PROPERTY LINE, TYP.

EXISTING CURB, TYP.

EXISTING SIDEWALK, TYP.

EXISTING CENTER OF R.O.W., TYP.

(2) EXISTING 4"Ø FIBER CONDUITS FROM EXISTING FIBER VAULT TO EXISTING FIBER JUNCTION BOX, **VERIZON TO UTILIZE (1) SPARE CONDUIT FOR NEW FIBER INSTALLATION** (APPROX. DISTANCE = ±40')

EXISTING SUN STATE 24" x 36" TRAFFIC RATED FIBER VAULT AT BACK OF SIDEWALK, **VERIZON TO UTILIZE FOR NEW FIBER INSTALLATION**

EXISTING WATER VALVE

UTILITY EASEMENT 10'-0"

# SITE PLAN

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1


PREPARED FOR:

verizon

6955 W. MORELOS PL., CHANDLER, AZ 85226
PHONE: (480) 777-4360
FAX: (480) 777-4391

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233


| | |
|---|---|
| PROJECT NO: | AZ5 OASIS GOLF CLUB |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
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| 0 | 05/13/24 | ISSUED FOR PERMIT | CDA |
| 1 | 05/23/24 | ISSUED FOR PERMIT | M.G. |
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| 4 | 09/30/24 | ISSUED FOR PERMIT | CDA |
| 5 | 10/16/24 | ISSUED FOR PERMIT | CS |
| | | | |
| | | | |

Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
Date Signed 10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

SITE PLAN

SHEET NUMBER

A-2

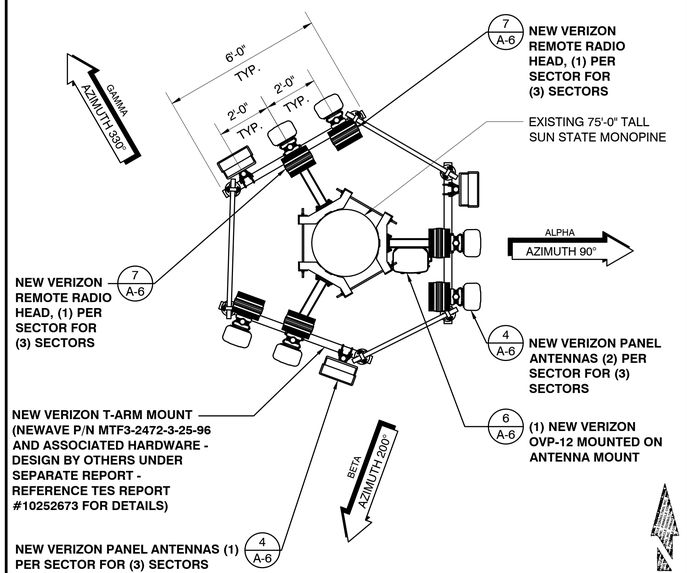
## NEW HYBRID CABLE SCHEDULE

| SECTOR | AZIMUTH | LENGTH | QTY. | SIZE | TYPE |
|---|---|---|---|---|---|
| ALPHA | 90° | ±95' | 2 | 1 1/4"Ø | 6X12 HYBRID CABLE |
| BETA | 200° | | | | |
| GAMMA | 330° | | | | |

*NOTE:
- ALL AZIMUTHS SHOWN ARE RELATIVE TO TRUE NORTH, UNLESS NOTED OTHERWISE
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AZIMUTHS DEPICTED HEREIN WITH RF DEPARTMENT PRIOR TO INSTALLING ANTENNAS

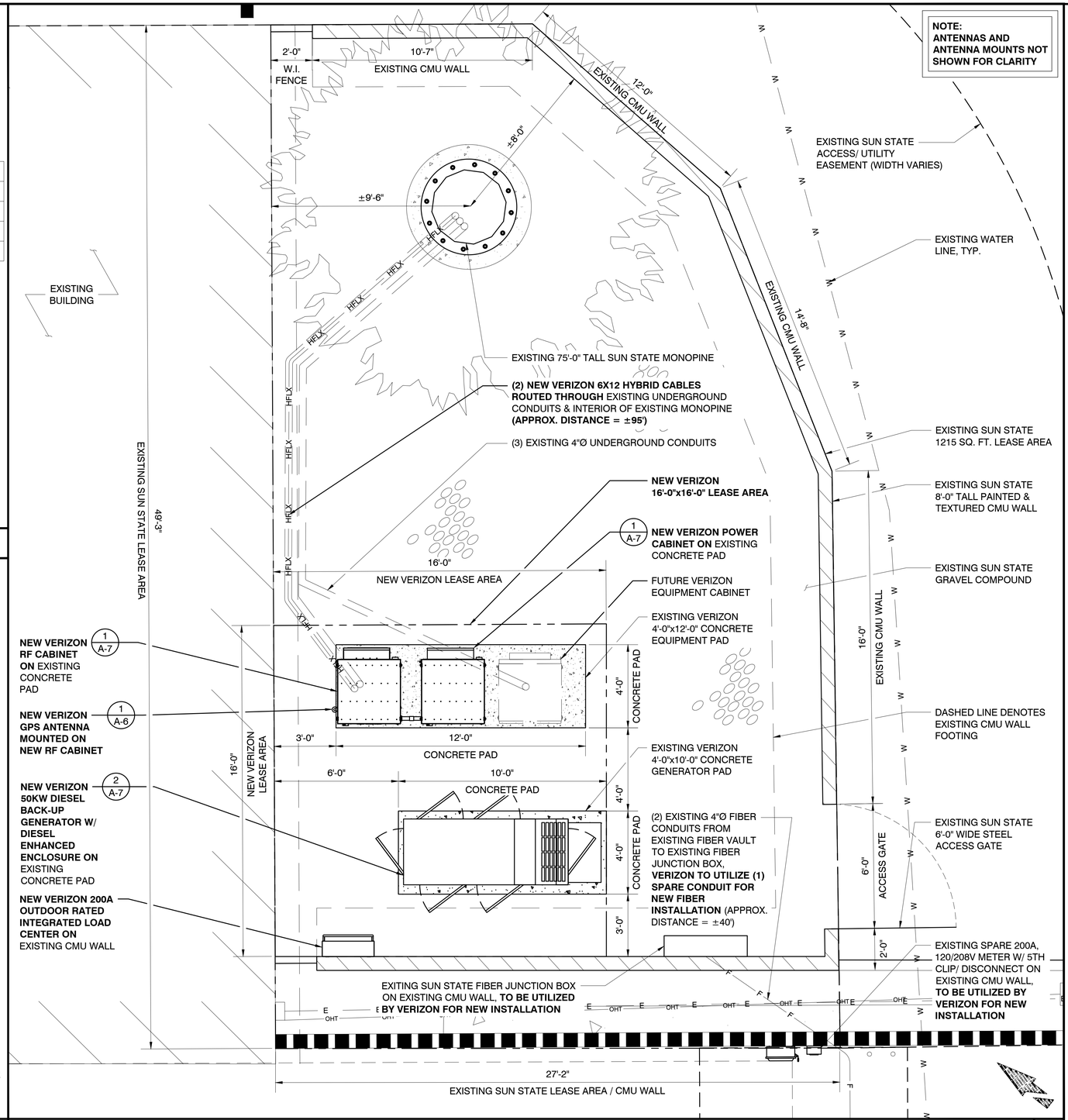
# CABLING DETAIL 1

**NOTE:**
**MONOPINE BRANCHES NOT SHOWN FOR CLARITY.**




## ANTENNA PLAN 2

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




## ENLARGED SITE PLAN 3

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

PREPARED FOR:

verizon

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CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

| | |
|---|---|
| PROJECT NO: | AZ5 OASIS GOLF CLUB |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
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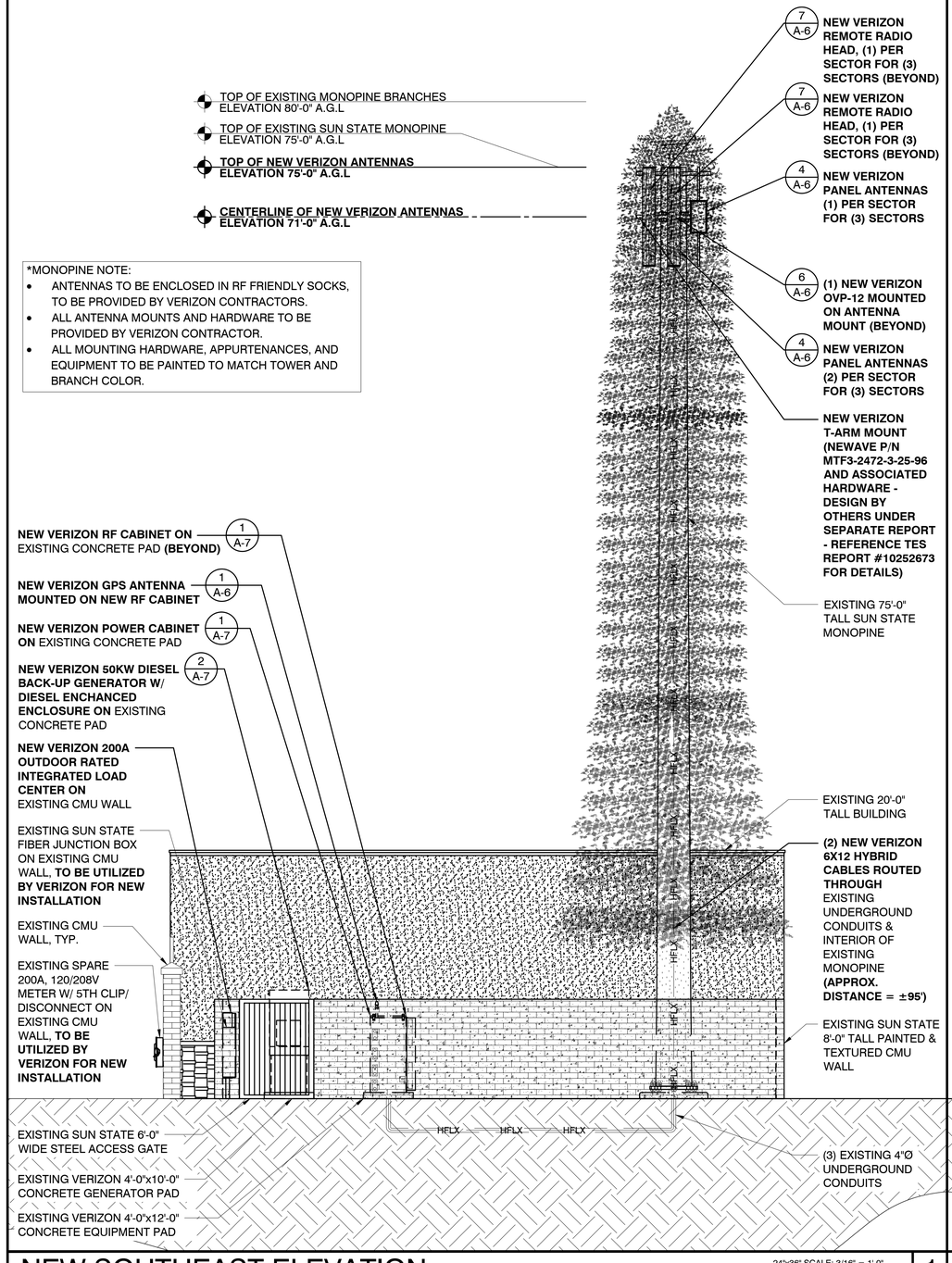
Registered Professional Engineer (Civil)
68312
KYLE A. FORTIN
10/17/24
Date Signed
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
ENLARGED SITE PLAN AND ANTENNA PLAN

SHEET NUMBER
A-3

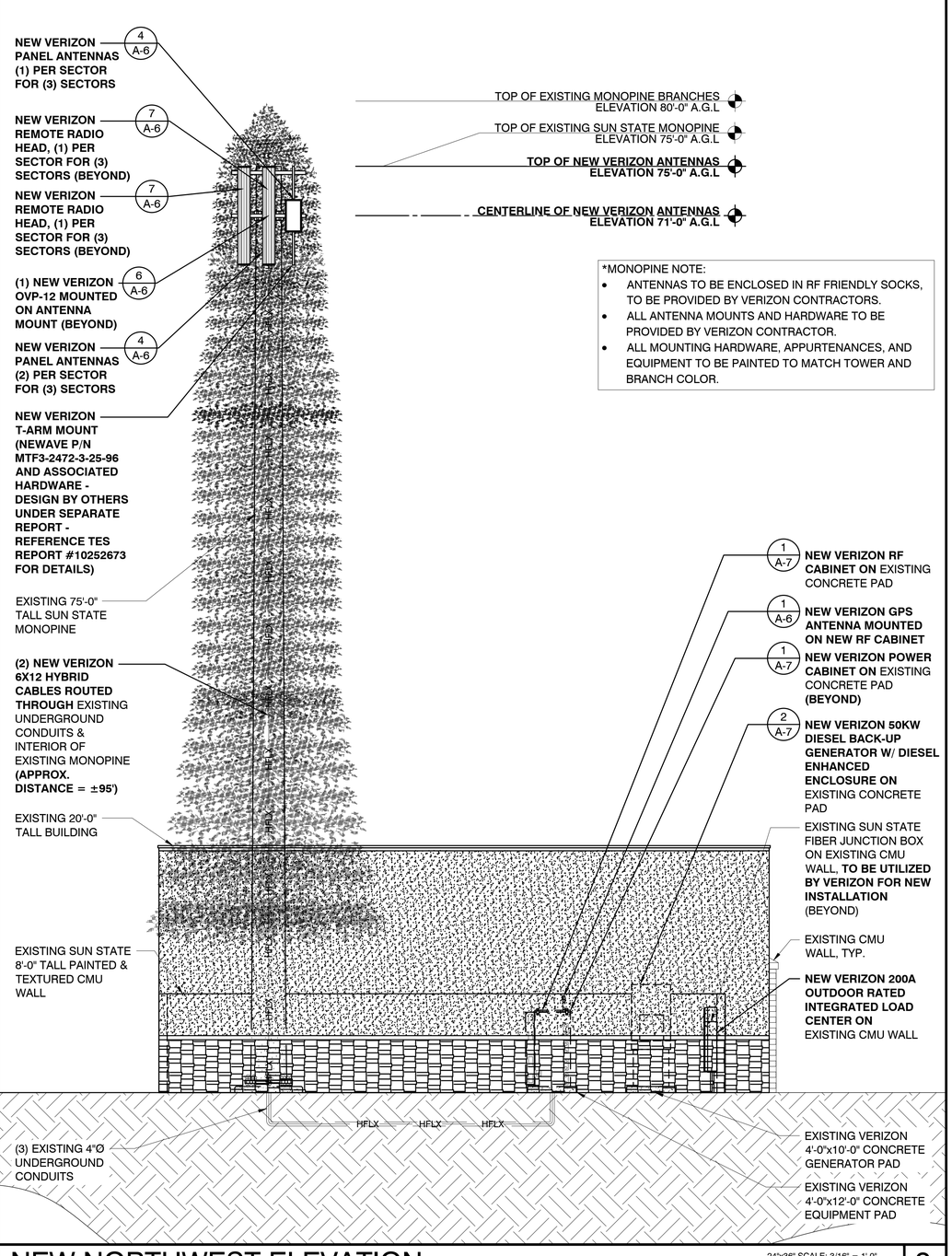



*MONOPINE NOTE:
- ANTENNAS TO BE ENCLOSED IN RF FRIENDLY SOCKS, TO BE PROVIDED BY VERIZON CONTRACTORS.
- ALL ANTENNA MOUNTS AND HARDWARE TO BE PROVIDED BY VERIZON CONTRACTOR.
- ALL MOUNTING HARDWARE, APPURTENANCES, AND EQUIPMENT TO BE PAINTED TO MATCH TOWER AND BRANCH COLOR.

## NEW SOUTHEAST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1




*MONOPINE NOTE:
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## NEW NORTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

2

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| | | | |

Registered Professional Engineer (Civil)
Certificate No.
95312
KYLE A. FORTIN
Date Signed
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

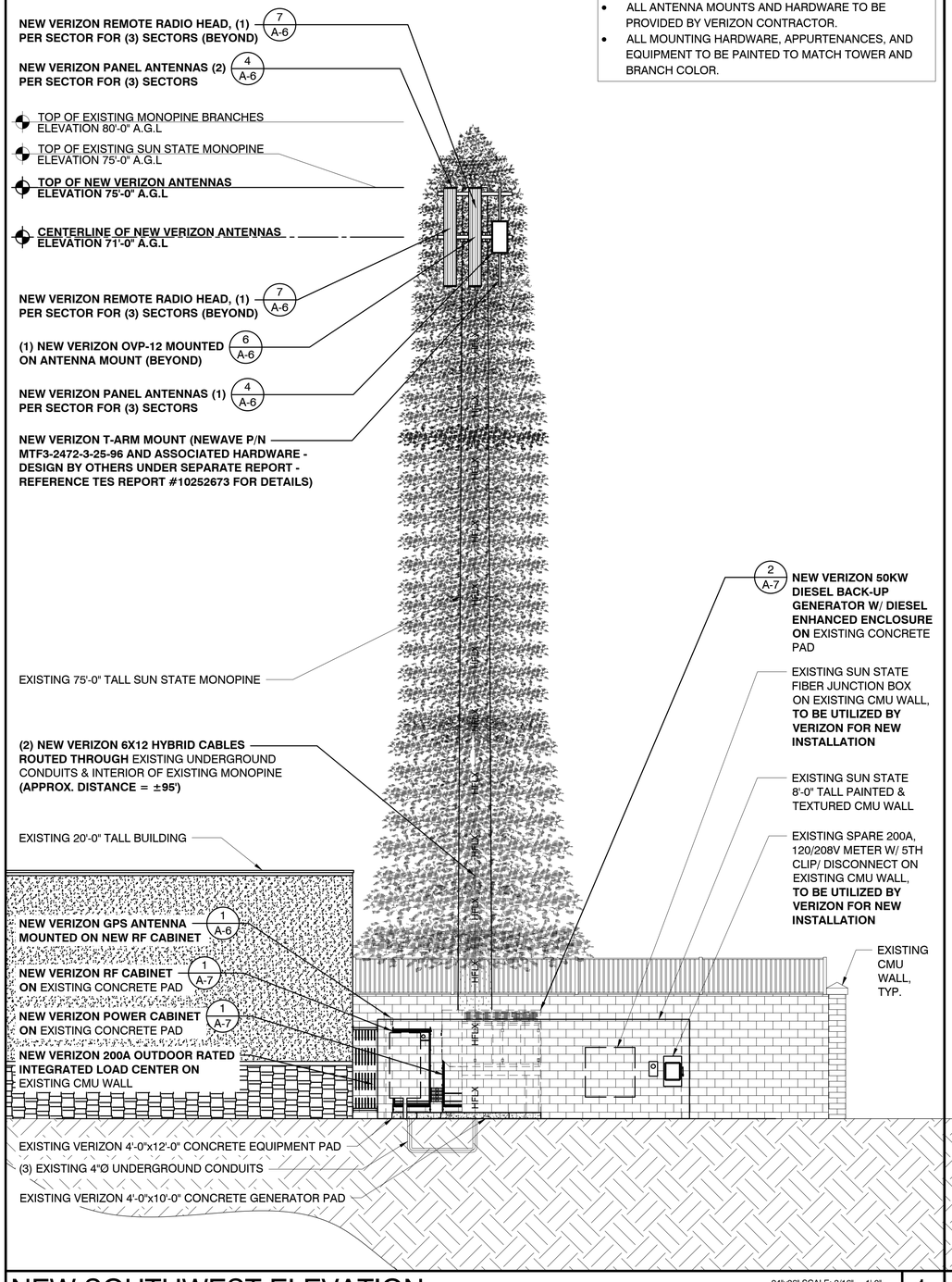
AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-4

*MONOPINE NOTE:
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- ALL MOUNTING HARDWARE, APPURTENANCES, AND EQUIPMENT TO BE PAINTED TO MATCH TOWER AND BRANCH COLOR.

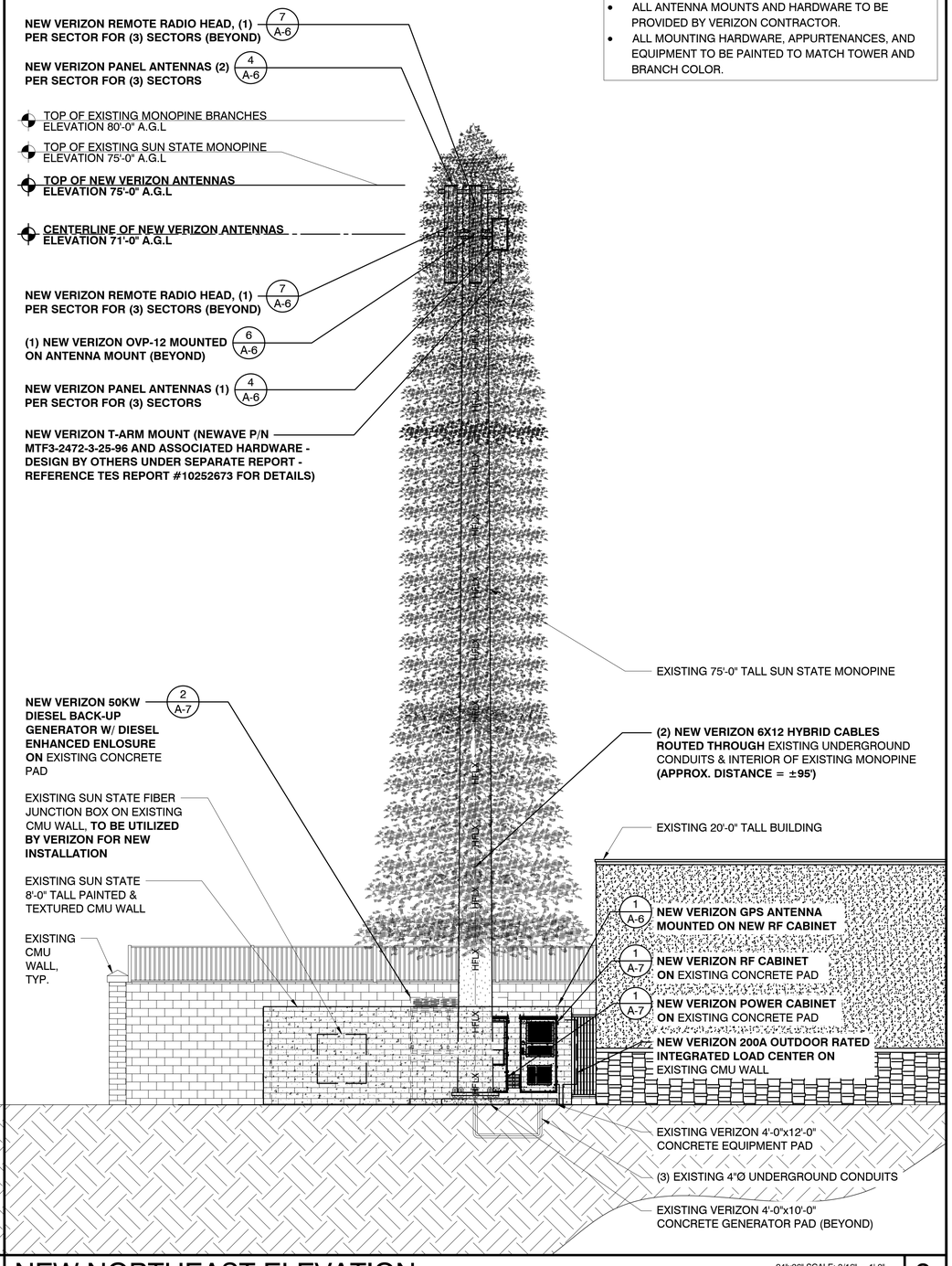



## NEW SOUTHWEST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

1

*MONOPINE NOTE:
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- ALL MOUNTING HARDWARE, APPURTENANCES, AND EQUIPMENT TO BE PAINTED TO MATCH TOWER AND BRANCH COLOR.




## NEW NORTHEAST ELEVATION

24"x36" SCALE: 3/16" = 1'-0"
11"x17" SCALE: 3/32" = 1'-0"

2

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GILBERT, AZ 85233

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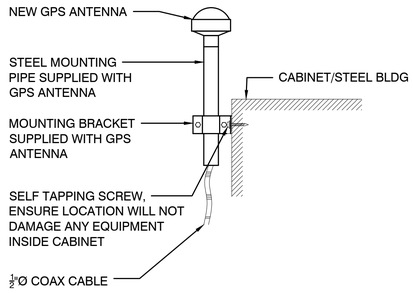
Registered Professional Engineer (Civil)
6312
KYLE A. FORTIN
10/17/24
ARIZONA, U.S.A.
EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

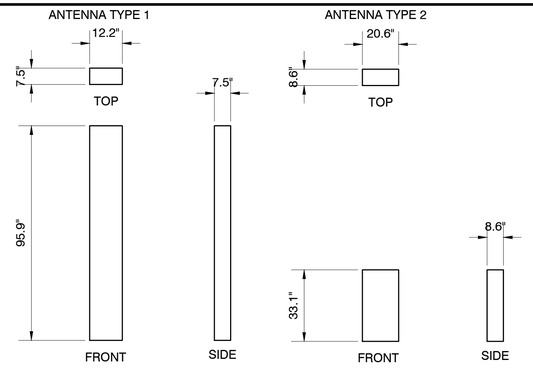
SHEET TITLE
ELEVATIONS

SHEET NUMBER
A-5




# GPS DETAIL

SCALE: NTS | 1

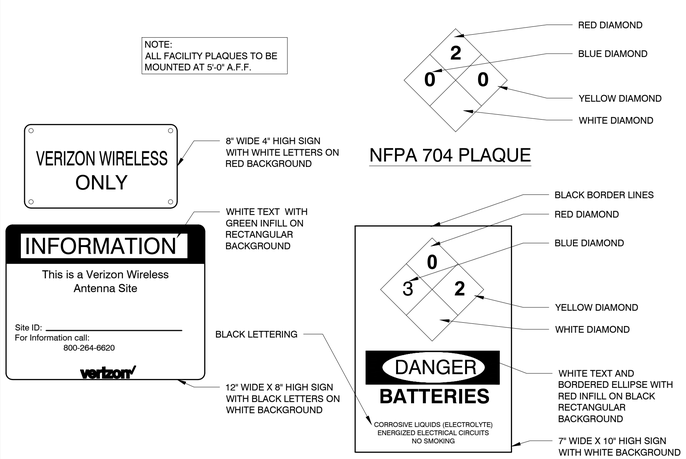



## NEW ANTENNA SPECIFICATIONS

| DESCRIPTION | HEIGHT | WIDTH | DEPTH | ANTENNA ONLY WEIGHT | ANTENNA W/MOUNTING BRACKET KIT WEIGHT |
|---|---|---|---|---|---|
| PANEL ANTENNA #1 | 95.9" | 12.2" | 7.5" | 59.0 LBS. | ±85 LBS. |
| PANEL ANTENNA #2 | 33.1" | 20.6" | 8.6" | 104 LBS. | ±125 LBS. |

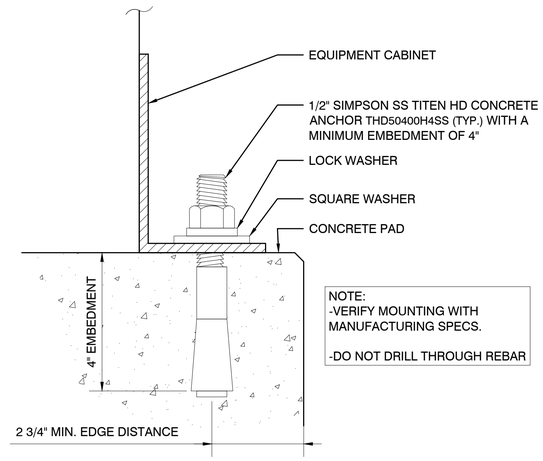
# ANTENNA DETAIL

SCALE: NTS | 4



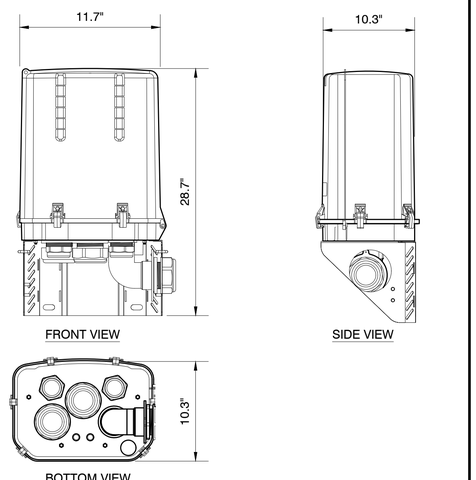

# EMERGENCY PLAQUE DETAIL

SCALE: NTS | 5



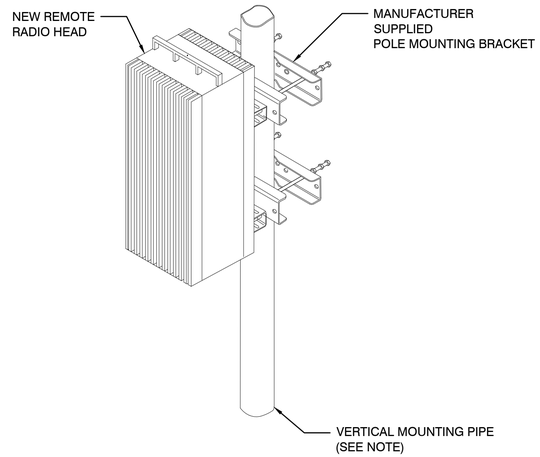

# BOLT DOWN DETAIL

SCALE: NTS | 2




# OVP-12 DETAIL

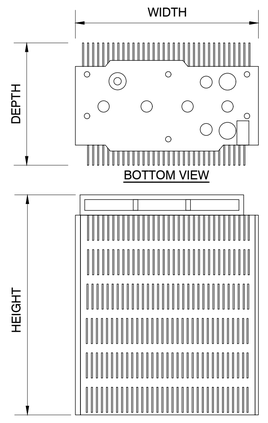
SCALE: NTS | 6




NOTES:
1. CONTRACTOR TO UTILIZE EXISTING ANTENNA MOUNTING PIPE UNLESS FIELD CONDITIONS WARRANT USE OF NEW VERTICAL MOUNTING PIPE.

# RRH MOUNTING DETAIL

SCALE: NTS | 3




## RRH SCHEDULE

| TECHNOLOGY | BAND | BAND # | TX PWR | MODEL | HEIGHT | WIDTH | DEPTH | WEIGHT W/MOUNT |
|---|---|---|---|---|---|---|---|---|
| LTE/5G | 700/850 MHz | B5/B13 | 4X60W | RADIO 4490 | 20.6" | 15.7" | 7.0" | 68.4 LBS. |
| LTE | 1900/AWS | B2/B66 | 4X60W | RADIO 4890 | 20.6" | 15.7" | 7.2" | 69.5 LBS. |
| | | | | | | | | |
| | | | | | | | | |

# RRH DETAIL

SCALE: NTS | 7

PREPARED FOR:

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AZ5 OASIS GOLF CLUB

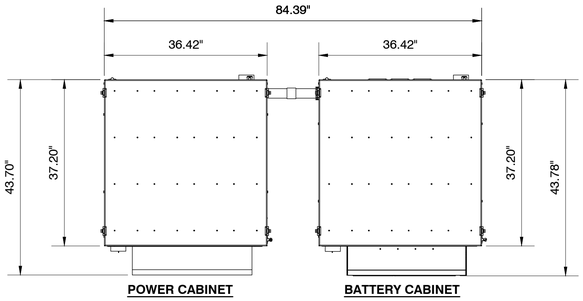
5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

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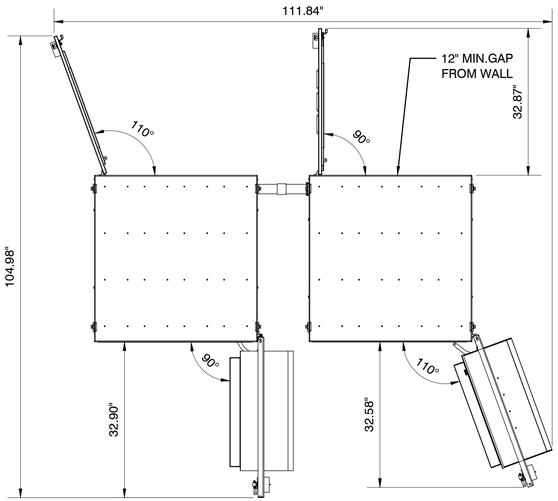
DETAILS

SHEET NUMBER

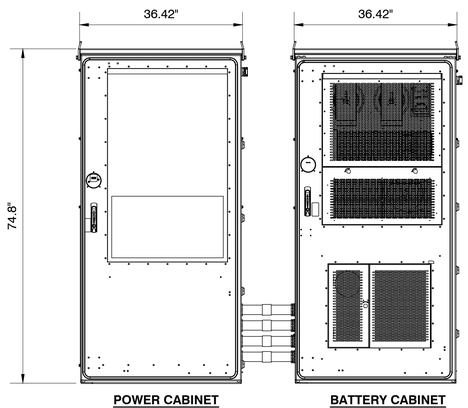
A-6




PLAN VIEW




PLAN VIEW - OPEN

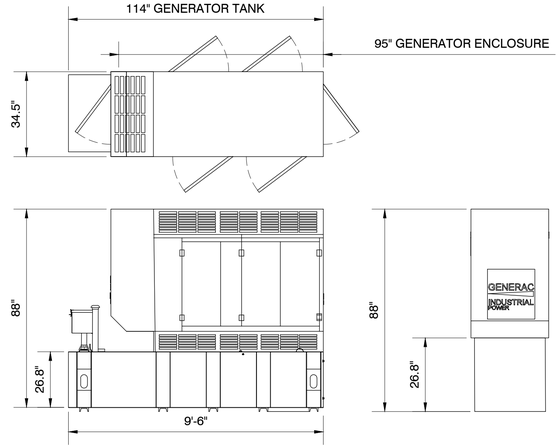



FRONT ELEVATION

## CABINET DETAILS

SCALE: NTS | 1

| 50KW GENERATOR WITH LEVEL 2 SOUND ENCLOSURE | | | |
|---|---|---|---|
| DIMENSIONS | TANK CAPACITY | WEIGHT(EMPTY) | WEIGHT W/FUEL |
| 114"LX88"HX34.5"W | 211 GAL | 3438 LBS | 5350 LBS |




## GENERATOR DETAIL

SCALE: NTS | 2

## NOT USED

SCALE: NTS | 3


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EXPIRES: 03-31-2025

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

DETAILS

SHEET NUMBER

A-7

# ELECTRICAL SPECIFICATIONS

1. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. HEIGHTS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
5. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-B0X, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.)
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA & NBFU
8. CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
9. CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS
10. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
11. ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
12. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
13. ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
14. USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
15. ALL CONDUCTORS SHALL BE COPPER.
16. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
17. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES AND DRAWINGS.
18. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
19. IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
20. LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
21. PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH IBC SECTION 714.
22. RECEPTACLES SHALL BE 20 AMPERE, 125 VOLT A.C., WHITE AS REQUIRED BY THE ARCHITECT OR APPROVED EQUAL.
23. WALL SWITCHES SHALL BE SINGLE-POLE, HUBBELL #1201 OR EQUIVALENT, WHITE AS REQUIRED BY THE ARCHITECT.
24. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BLANKED OUTLETS, SHALL HAVE ENGRAVED LETTERING WHERE INDICATED ON THE DRAWINGS. WEATHERPROOF RECEPTACLES SHALL HAVE RACO #800, 1/2" RAISED WORK COVERS.
25. WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM, NO BX OR ROMEX CABLE IS PERMITTED UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS.
26. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2.
27. GROUND RODS SHALL BE COPPER CLAD STEEL, 5/8" ROUND AND 10' LONG. COPPERWELD OR APPROVED EQUAL.
28. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY SQUARE D COMPANY OR APPROVED EQUAL.
29. ALL MATERIALS SHALL BE U.L. LISTED.
30. CONDUIT:
    a. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
    b. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
    c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE, SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
    d. ALL UNDERGROUND CONDUIT SHALL BE PVC SCHEDULE 40 (UNLESS NOTED OTHERWISE) AT A MINIMUM DEPTH OF 24" BELOW GRADE.
31. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
32. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
33. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS TO BE PAID BY CONTRACTOR.

# GENERAL ELECTRICAL NOTES

1. THE ELECTRICAL INSTALLATION WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL WORK.
2. ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN HIS BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH INTENT OF THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
3. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED UNDER THIS CONTRACT SHALL BE NEW, FREE FROM DEFECTS AND SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY OWNER OR HIS REPRESENTATIVE. SHOULD ANY TROUBLE DEVELOP DURING THIS PERIOD DUE TO FAULTY WORKMANSHIP, MATERIAL OR EQUIPMENT, THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIAL AND LABOR TO CORRECT THE TROUBLE WITHOUT COST TO THE OWNER.
4. ALL WORK TO BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
5. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES.
6. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING RELATED TO ELECTRICAL WORK, UNLESS NOTED OTHERWISE AND COORDINATED WITH THE GENERAL CONTRACTOR.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL AND ARCHITECTURAL PLANS. THE REQUIREMENTS OF ALL EQUIPMENT ACTUALLY BEING INSTALLED SHALL BE VERIFIED PRIOR TO INSTALLING THE ELECTRICAL WORK.
8. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER TYPE "THWN" #12, & #10 SOLID, #8 AND LARGER STRANDED.
9. ON COMPLETION OF THE WORK, THE INSTALLATION SHALL BE FREE FROM GROUNDS AND SHORT CIRCUITS.
10. ELECTRICAL CONTRACTOR SHALL FURNISH AS-BUILT DRAWINGS TO THE ARCHITECT AND CUSTOMER UPON COMPLETION OF THE JOB.
11. ELECTRICAL WORK SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED, INCLUDING BUT NOT LIMITED, TO COMPLETE ELECTRICAL SYSTEMS POWER AND LIGHTING, TELEPHONE CONDUIT SYSTEM, SIGNAL SYSTEMS, PANEL BOARD(S), CONTROL WIRING, GROUNDING, CONDUIT ONLY SYSTEMS, ETC., AS INDICATED ON ELECTRICAL DRAWINGS AND/OR REQUIRED BY GOVERNING CODES.
12. RACEWAYS SHALL BE: RIGID STEEL CONDUIT: HOT - DIP GALVANIZED HEAVY WALL AS MANUFACTURED BY REPUBLIC, TRIANGLE OR EQUAL, RIGID POLYVINYL CHLORIDE CONDUIT (PVC); HEAVY WALLS SCHEDULE 40 AS MANUFACTURED BY CARLON ELECTRICAL, VISQEEN OR EQUAL. ELECTRICAL METALLIC TUBING (EMT): ZINC-COATED THIN WALL AS MANUFACTURED BY TRIANGLE, REPUBLIC OR EQUAL.
13. FUSE TYPE SHALL BE BUSSMANN OR EQUAL FUSE.
14. PROVIDE ENGRAVED PLASTIC LABELS TO IDENTIFY ALL PANEL BOARDS, XFMRS., DISTRIBUTION PANELS, DISCONNECT SWITCHES, AND TRANSFER SWITCHES. LABELS SHALL READ IN THIS FASHION "A" 208Y/120V 3~, 4W, 225A, CKT. BKR OR FUSES TYPE AND SIZES.
15. E.C. SHALL VERIFY AND TEST GROUND TO SOURCE TO A MAXIMUM OF 5 OHMS. IF THE GROUND TEST DOES NOT ACHIEVE THE 5 OHMS OR LESS, E.C. SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY CONDUCTORS AND GROUND RODS TO ACHIEVE 5 OHMS MAXIMUM.
16. BEFORE SUBMITTING BID, VERIFY EXISTING SITE CONDITIONS, ELECTRICAL SERVICE REQUIREMENTS AND THE EXACT SERVING UTILITY POINTS OF CONNECTION.
17. THE ELECTRICAL CONTRACTOR (E.C.) SHALL FURNISH AND PAY FOR ALL PERMITS AND RELATED FEES.
18. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL ELECTRICAL MATERIALS, EQUIPMENT AND WORK, SHOWN ON THESE PLANS ARE TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
19. E.C. SHALL FURNISH AND INSTALL ALL SWITCHES, CONDUITS, WIRES, BOXES, LIGHT FIXTURES (INCLUDING LAMPS), SERVICE DEVICES, RECEPTACLES, SWITCHBOARDS AND PANEL BOARDS, ETC. REQUIRED FOR A COMPLETE AND OPERATING ELECTRICAL SYSTEM.
20. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONAL/LOCATION INFORMATION RELATING TO THE ELECTRICAL DRAWINGS.
21. ELECTRICAL CONTRACTOR SHALL VERIFY VOLTAGES AND HORSEPOWER RATINGS OF ALL MECHANICAL EQUIPMENT.
22. PRIOR TO INSTALLING ANY ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS AND REQUIREMENTS ON THE JOB AND BY REFERENCE TO ARCHITECTURE, MECHANICAL AND EQUIPMENT SUPPLIERS DRAWINGS. SHOULD THERE BE ANY QUESTION OR PROBLEM CONCERNING THE NECESSARY PROVISIONS TO BE MADE, PROPER DIRECTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH ANY WORK.
23. OUTLET AND JUNCTION BOXES SHALL BE SIZED PER CODE FOR THE QUANTITY OF WIRES THEY CONTAIN. SEE ARTICLE 370 OF N.E.C. PROVIDE ADDITIONAL BOXES AND EXTENSION RINGS AS REQUIRED.
24. ELECTRICAL CONTRACTOR SHALL COMPLY WITH CABLE BENDING RADIUS REQUIREMENTS PER CABLE MANUFACTURERS' S SPECIFICATION.
25. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF INSTALLATION.
26. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY-RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF THE INSTALLATION.
27. PLANS MAY INDICATE THE NUMBER OF PHASE NEUTRAL, AND GROUND CONDUCTORS WHERE MORE THAN THREE CONDUCTORS ARE TO BE INSTALLED IN A CONDUIT(THREE OR LESS CONDUCTORS ARE NOT SHOWN). ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.
28. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, CIRCUITS SHALL CONSIST OF #12 PHASE AND GROUNDED (NEUTRAL CONDUCTORS) AND A #12 CU GROUND IN A 3/4" CONDUIT.
29. UNLESS SPECIFICALLY NOTED OTHERWISE, THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL UTILIZATION EQUIPMENT SHOWN ON THE DRAWINGS. VERIFY THE TYPE OF FINAL CONNECTION AND PROVIDE APPROPRIATE WIRING METHOD.
30. PRIOR TO TRENCHING IN ANY AREA THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA, CABLE T.V., GAS, AND WATER UTILITY PROVIDERS (BLUE STAKE) AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. IN ADDITION, THE CONTRACTOR SHALL OBTAIN THE SERVICES OF A SUBCONTRACTOR SPECIALIZING IN THE LOCATION OF UNDERGROUND STRUCTURES TO IDENTIFY AND OBSTACLES IN THE PATH OF TRENCHING (PRIOR TO COMMENCING WORK). DAMAGE TO ANY UNDERGROUND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.
31. UTILITY COORDINATION
    a. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF DRAWINGS TO ELECTRICAL AND TELCO UTILITIES WITHIN ONE WEEK OF NOTICE TO PROCEED.
    b. THE CONTRACTOR SHALL NOT TRENCH OR INSTALL CONDUITS (ON THE UTILITY OR LOAD SIDE) TO THE S.E.S, THE UTILITY TRANSFORMER (PRIMARY OR SECONDARY), OR TO THE UTILITY CONNECTION POINT BEFORE RECEIVING A FINAL DESIGN FROM THE UTILITY.
    c. THE CONTRACTOR SHALL NOT INSTALL EQUIPMENT PADS FOR THE SES OR ANY UTILITY EQUIPMENT (TRANSFORMERS, SWITCHING CABINETS, ETC.) PRIOR TO RECEIPT OF FINAL PLANS FROM THE UTILITY.
    d. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR ADDITIONAL WORK REQUIRED TO MEET THE REQUIREMENTS OF THE UTILITY WHICH IS THE RESULT OF PROCEEDING PRIOR TO RECEIPT OF A FINAL UTILITY DESIGN.
32. SERIES RATING NOTES:TO ENSURE THAT EACH PROTECTIVE DEVICE WHICH IS DEPENDENT ON ANOTHER DEVICE WILL INTERRUPT THE AVAILABLE SHORT CIRCUIT AT THE LOCATION WHERE IT IS INSTALLED, IT MUST MEET THE FOLLOWING REQUIREMENTS:
    a. SWITCHBOARD COMPONENTS, INCLUDING OVER CURRENT PROTECTIVE DEVICES, SHALL BE FULLY RATED FOR THE AVAILABLE FAULT CURRENT SHOWN.
    b. PROVIDE IDENTIFICATION AT THE ENCLOSURE OF PANEL BOARDS WHERE BREAKERS ARE APPLIED IN SERIES COMBINATION, STATING: "CAUTION - SERIES RATED SYSTEM. _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    c. PER NEC ARTICLE 110-22 (2005), PROVIDE IDENTIFICATION AT EACH DISCONNECTING MEANS FEEDING DOWNSTREAM DEVICES APPLIED IN SERIES COMBINATION, STATING: "CAUTION - SERIES COMBINATION SYSTEM RATED _____AMPERES. IDENTIFIED REPLACEMENT COMPONENT REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    d. AIC RATING SHOWN AT PANEL BOARDS IS MINIMUM RATING FOR OVERCURRENT PROTECTIVE DEVICES. EACH DEVICE SHALL BE FULLY-RATED OR SERIES RATED WITH UPSTREAM DEVICE AT AFC AS SHOWN ON THE SINGLE-LINE DIAGRAM.
    e. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.
    f. THE TOTAL MOTOR LOAD CONNECTED BETWEEN SERIES RATED DEVICES DOES NOT EXCEED 1% OF THE INTERRUPTING RATING OF THE DOWNSTREAM DEVICE.

CODE INFORMATION:

2017 NEC, 2018 IECC. ALL SYSTEM SHALL BE IN COMPLIANCE WITH ABOVE CODES AS ADOPTED BY THE CITY OF FLORENCE, AZ.

ASEIENGINEERING
2410 w. royal palm rd. suite A, phoenix, AZ 85021
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JOB NO: 2024-071
DFT: JW
DSN: CM
CHK: CS



PREPARED FOR:

verizon

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PHONE: (480) 777-4360
FAX: (480) 777-4391

CONSULTING FIRM

PINNACLE CONSULTING, INC
Site Acquisition | Engineering | Construction

1426 NORTH MARVIN STREET # 101
GILBERT, AZ 85233

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|---|---|
| PROJECT NO: | AZ5 OASIS GOLF CLUB |
| DRAWN BY: | M.G. |
| CHECKED BY: | KF |

| REV | DATE | DESCRIPTION | BY |
|---|---|---|---|
| A | 04/22/24 | ISSUED FOR REVIEW | M.G. |
| 0 | 05/13/24 | ISSUED FOR PERMIT | CDA |
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Registered Professional Engineer
CHRIS L. SARMIENTO
27677
05/23/24
Date Signed
ARIZONA, U.S.A.
EXPIRES 03/31/2027

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
FLORENCE, AZ 85132
PINAL COUNTY

SHEET TITLE

ELECTRICAL NOTES

SHEET NUMBER

E-1

## WIRE & CONDUIT

| | |
|---|---|
| ——— | CONDUIT CONCEALED IN WALLS OR ABOVE CEILING W/ 2 #12, #12 GND, 3/4" C., UNLESS NOTED OTHERWISE. |
| - - - - - - - | CONDUIT ROUTED UNDER FLOOR OR BELOW GRADE W/ 2 #12, #12 GRD, 3/4" C., UNLESS NOTED OTHERWISE. |
| | CONDUIT TURNING UP |
| | CONDUIT TURNING DOWN |
| | INDICATES A PHASE CONDUCTOR<br>INDICATES A GROUNDED (NEUTRAL) CONDUCTOR<br>INDICATES AN EQUIPMENT GROUNDING CONDUCTOR<br>INDICATES AN ISOLATED GROUND CONDUCTOR (SAME SIZE AS EQUIPMENT GROUNDING CONDUCTOR) |
| | GROUND LEAD COILED ABOVE SLAB |

## ELECTRICAL SYMBOLS

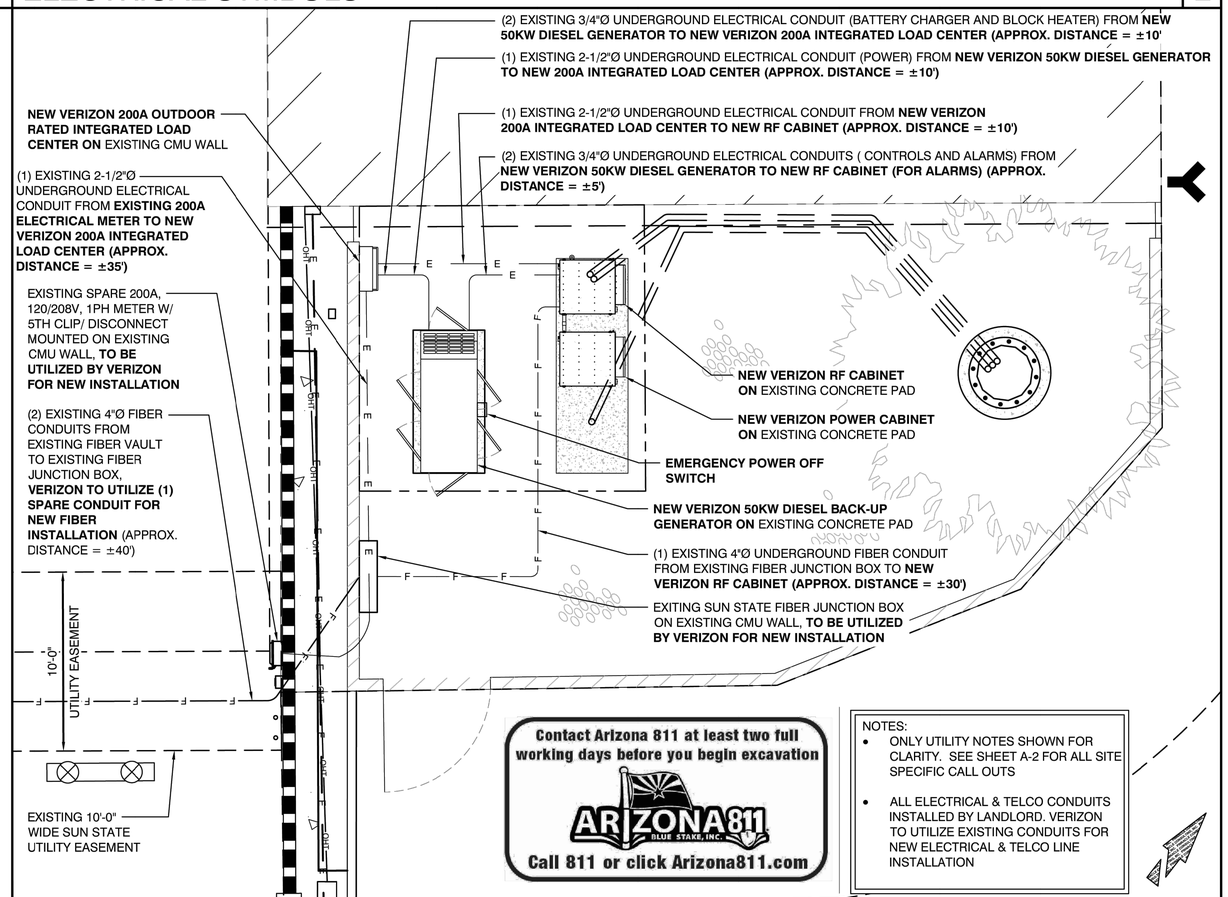
| | |
|---|---|
| | TEST WELL/GROUND ROD |
| | GROUND ROD - 5/8" x 10' COPPER CLAD |
| | CADWELD CONNECTION |
| | MECHANICAL CONNECTION |
| | GROUNDING WIRE |
| | GROUND BAR |
| | SURGE SUPPRESSOR GROUND BAR |
| | FUSED DISCONNECT SWITCH |
| M | METER AND MAIN BREAKER |
| | MANUAL XFR SWITCH AND GEN. RECPT. |
| GPS | GPS ANTENNA |
| TMG | TELCO BOARD |
| - - - - - - - | ELECTRICAL POWER |
| ——— | T-1 LINE |
| | SURFACE MOUNTED PANEL BOARD |

## 1-LINE DIAGRAM

| | |
|---|---|
| | CIRCUIT BREAKER, FIXED MOUNTED. |
| | CIRCUIT BREAKER, DRAWOUT MOUNTING. |
| | FUSIBLE SWITCH. SIZE AS INDICATED ON DRAWINGS. |
| | DISTRIBUTION TRANSFORMER |
| | CURRENT TRANSFORMER |
| M | METERING DEVICE |
| | PANELBOARD, MAIN LUG ONLY |
| | PANELBOARD, MAIN CIRCUIT BREAKER |
| | TRANSFER SWITCH - MANUAL OR AUTOMATIC |

NOT USED 1

ELECTRICAL SYMBOLS 2




Contact Arizona 811 at least two full working days before you begin excavation

ARIZONA811 BLUE STAKE, INC.

Call 811 or click Arizona811.com

NOTES:
- ONLY UTILITY NOTES SHOWN FOR CLARITY. SEE SHEET A-2 FOR ALL SITE SPECIFIC CALL OUTS
- ALL ELECTRICAL & TELCO CONDUITS INSTALLED BY LANDLORD. VERIZON TO UTILIZE EXISTING CONDUITS FOR NEW ELECTRICAL & TELCO LINE INSTALLATION


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DFT: JW
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CHK: CS

NOT USED 3

POWER PLAN 4

24"x36" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"


PREPARED FOR:

verizon

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Registered Professional Engineer
27677
CHRIS L. SARMIENTO
05/23/24
ARIZONA, U.S.A.
EXPIRES 03/31/2027

AZ5 OASIS GOLF CLUB

5242 E HUNT HWY
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PINAL COUNTY

SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER

E-2