

EXHIBIT SCHEDULE

FILE NUMBER: V-23-001

APPLICANT: Verizon Wireless through agent Kimberly Spongberg of Blackrock, LLC

HEARING DATE: March 14, 2023

EXHIBIT

NATURE OF EXHIBIT

| | |
|----------|--|
| <u>1</u> | Seven (7) Page Staff Report |
| <u>2</u> | Seven (7) Page VAR-23-001 Permit Application & Narrative |
| <u>3</u> | Thirty-one (31) Construction Drawings & Supplemental Documentation |
| <u>4</u> | Ten (10) Page Dissemination Record with TIDT Comments |

**STAFF REPORT
CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION
TRIBAL PLANNING OFFICE**

File Number V-23-001

To: Land Protection Planning Commission (LPPC)

Public Hearing Date: March 14, 2023

SUBJECT:

Variance to the height standard for a Wireless Telecommunications Facility

APPLICANT:

Verizon Wireless through agent Kimberly Spongberg of Blackrock LLC

PROPERTY OWNER:

The Confederated Tribes of the Umatilla Indian Reservation

NATURE OF THE REQUEST:

The Applicant seeks approval from the Land Protection Planning Commission for a variance to the height standard in the C-D, Commercial zone to construct a new wireless communications facility consisting of a 150' multi-carrier monopole with antennas (tip height 154'). The allowed height limit within the C-D zone is 120'.

BASIC FACTS:

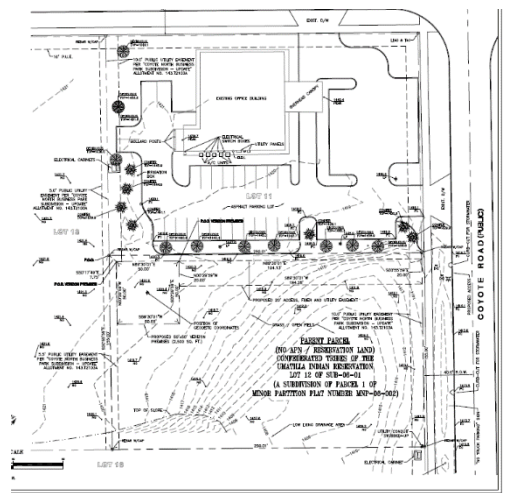
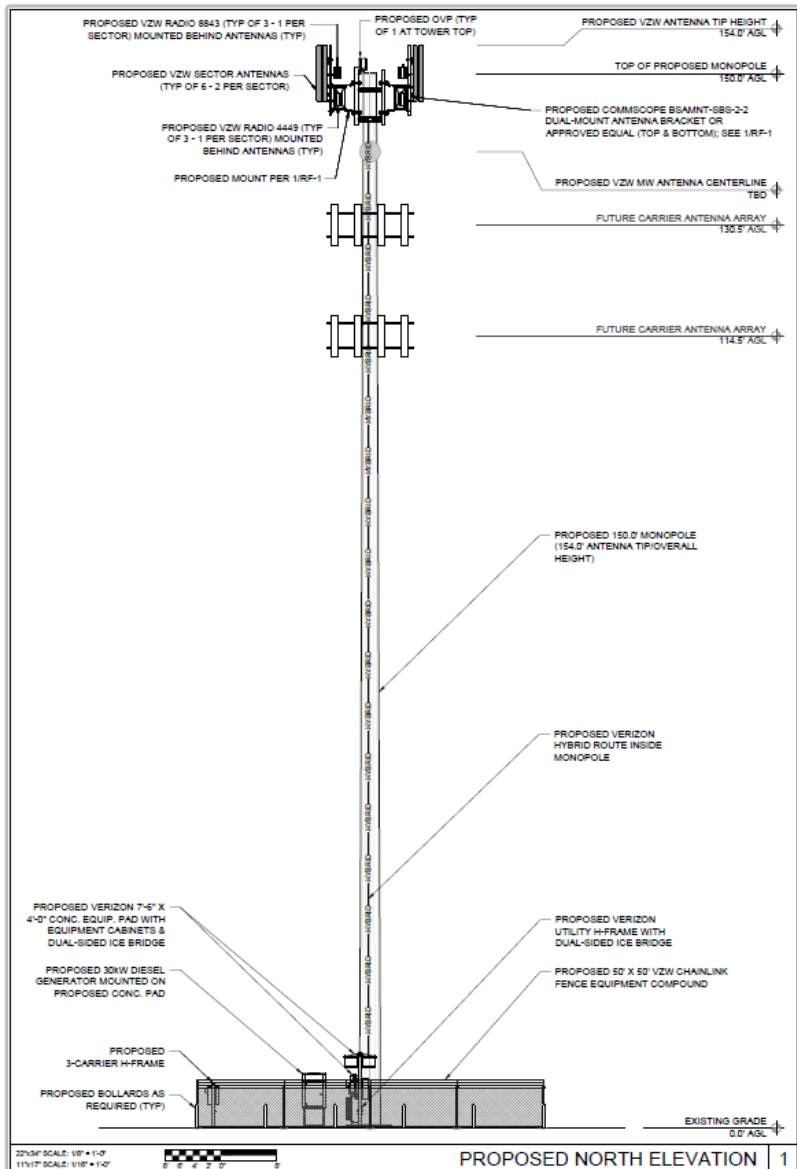
- 1) ***Subject Property/Ownership:*** Within Lot 12 of Coyote Business Park North, a portion of Tribal Trust property T2103-A. The proposed address is 72544 Coyote Road, within Township 2N Range 33E, Section 21. The property is owned by the Confederated Tribes of the Umatilla Indian Reservation and would be leased by Verizon.
- 2) ***Zoning:*** The C-D, Commercial Development Zone is intended to promote individual and Tribal Enterprise Development to diversity and improve the Reservation economy. The Commercial Development Zone is established to promote efficient and appropriate locations for commercial and related service activities. Utility Facilities are an allowed use within the C-D zone.
- 3) ***Current Use:*** The proposed site is currently vacant.
- 4) ***Surrounding Land Uses:*** Adjacent uses are commercial businesses within Coyote Business Park including DaVita Kidney Center, Cayuse Technologies and the Umatilla Forest Service offices. Across Highway 331 are Wildhorse Resort and Casino and Arrowhead Travel Plaza.
- 5) ***Utilities:*** Pacific Power provides electrical service to the area.
- 6) ***Legal Access:*** The lease area has indirect access to Coyote Road, a two-lane paved road under the jurisdiction of the CTUIR Public Works Department. A 20 foot wide access and utility easement across the easterly portion of Lot 12 would connect the lease area to Coyote Road (see graphics on next page).
- 7) ***Topography and Other Site Information:*** The area where the wireless tower would be placed is relatively flat and currently vegetated with grass; a few small trees and shrubs line the edge of the parking area to the north.

Project Statement: (Provided by the applicant)

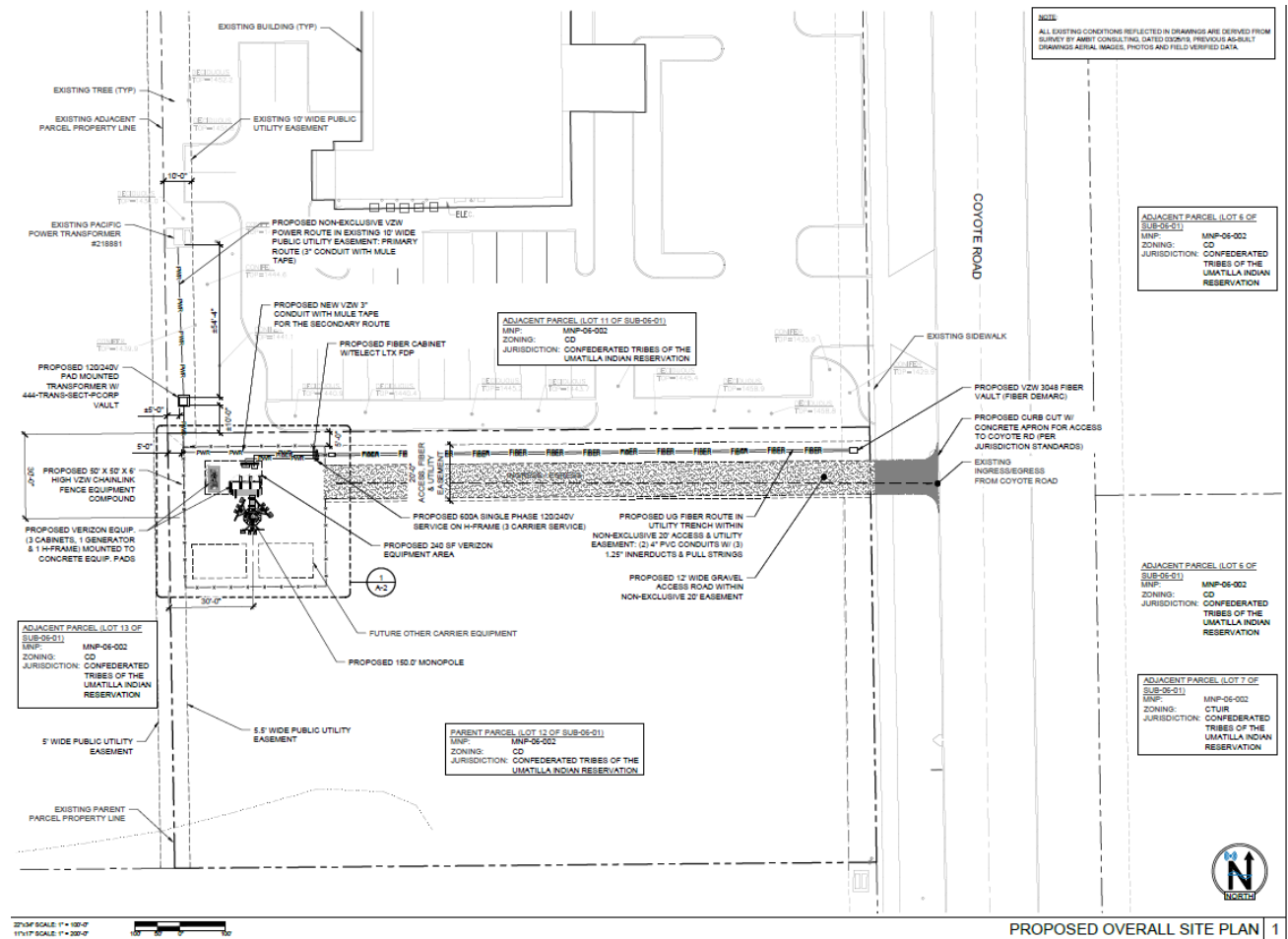
Verizon’s customers currently experience a significant gap in coverage in the proposed site area including the southeast area of Pendleton and surrounding environs. The target search area to fulfill this gap is predominately near the Coyote Business Park.

Verizon Wireless proposes to install a monopole tower with six (6) 8-foot panel antennas and three (3) 31.1-inch integrated antennas, radios and OVP, as well as ground mounted radio, battery equipment cabinets and a diesel generator on pads within a 50’ x 50’ fenced compound.

Underground power and fiber utilities would be extended to the site from nearby locations to connect to H-frame within the lease compound, with access off public right of way, Coyote Road along with non-exclusive access and fiber and utility easements.



Site Plan for the proposed cell tower



It should be noted that in addition to the Verizon antennas and ground equipment, there are two platforms and ground space set aside for future carriers. One of these platforms has a centroid height of 130.5 feet so antennas on this platform would also be over the height limit. Collocation of different providers on one cell tower is an important element of the cellular industry so that the overall number of towers is minimized while allowing customers choice between providers.

Verizon has been working with Bruce Zimmerman in the CTUIR Department of Economic and Community Development on a lease for the proposed facility. A draft lease has been reviewed and approved. If the Variance is granted, the lease will move forward

In the process of determining whether the site would work for the proposed tower, Verizon consultants performed geotechnical testing on the site. It was determined that the soils were sufficient to bear the foundation needed for the tower.

Applicable Policies and Approval Criteria:

1) **CTUIR Comprehensive Plan** adopted by the CTUIR Board of Trustees Resolution No. 18-090 (November 26, 2018). Applicable objectives:

Chapter 5, Plan Elements: Goals and Objectives:

- Section 5.1 Organizational Excellence
 - Objective 3: “Practice the highest level of communication and public relations not only within the organization and community but also with other businesses and government partners to create a sense of loyalty and respect.”
- Section 5.2 Economy
 - Objective 5: “Plan for long-term economic security in the face of changing global environmental and economic conditions.”
- Section 5.12 Community Facilities
 - Objective 1: “Assure that community facilities, both the structure and its location, are designed and maintained to meet the long-term needs of the community in a safe, sanitary and resource-efficient manner.”
- Section 5.14 Public Safety
 - Objective 3: “Maintain all hazard emergency management programs through emergency planning preparation and hazard mitigation.”

2) **Land Development Code** adopted by the CTUIR Board of Trustees Resolution No. 83-74 (August 24, 1983), and amended through Resolution No. 21-013 (February 28, 2021). Applicable sections:

- Chapter 1, §1.020 – Purpose;
- Chapter 3, Sub-chapter H. C-D Commercial Zone
- Chapter 8, Variances;
- Chapter 13, Hearings

3) **UIR Historic Preservation Code** adopted by the CTUIR Board of Trustees Resolution No. 16-003 (January 25, 2006). Applicable chapters:

- Chapter 5, Cultural Resources Review of Tribally Permitted or Reviewed Projects
- Chapter 7, Prohibited Effects to Cultural Resources

STAFF FINDINGS:

1) **Tribal Staff Review Committee (TSRC):** The members of the Tribal Staff Review Committee received a notice of the proposed request on February 9, 2023. A meeting of the Tribal Staff Review Committee was held on February 16, 2023, to discuss the application.

It was noted that the project was originally submitted in 2019 and a Tribal Staff Review Committee Meeting held December 9, 2019. It was determined that Cultural Resources review and NEPA would need to be completed prior to the public hearing so potential impacts could be analyzed. The NEPA analysis was completed and a Finding of no Significant Impact (FONSI) was issued by the BIA on March 4, 2021.

Carey Miller, Tribal Historic Preservation Officer sent a copy of the Cultural Resources determination dated August 21, 2020 that the proposal will have no adverse effects on historic properties of cultural and religious significance to the CTUIR providing that nonreflective materials and natural paint colors are utilized and a cultural resource monitor is present for the ground-disturbing portions of the undertaking.

At the TSRC meeting on February 16, Carey noted that a natural brown color had been submitted as an option for consideration for the tower color, but Cultural Resources had requested alternative color choices.

No other written or verbal comments were received from Committee members.

- 2) **Review of Variance approval Criteria:** LDC §8.015 lists four Circumstances for Granting a Variance. The applicant has provided statements to demonstrate how the proposed variance meets these criteria. (Code excerpts are *italicized*.)

Criteria 1. Exceptional or extraordinary circumstances apply to the property which do not apply generally to other properties in the same zone or vicinity and result from lot size or shape, topography or other circumstances over which the owners of property since enactment of this Code have had no control.

Applicant Statement:

“Verizon requires a variance to the development code to allow a 150’ cell tower with 154’ antenna tip height instead of 120’ as per code due to the fact that 150’ height is the minimum height required to achieve the desired coverage. So a minimum tower height of 150’ with an antenna tip height of 154’ is the minimum required to achieve the coverage objective. The owner of the property (CTUIR) has designated and selected this location in conjunction with Verizon as best location to fulfill the coverage gap, as other properties were not viable due to site selection criteria of the owner and Verizon.”

Finding:

The variance is necessary because cell towers need to be tall enough for line of sight over other buildings and obstacles. The Commercial zone has a 120 foot height limit with no built-in exception for wireless telecommunication towers, yet such towers generally need to exceed this height to provide adequate service. Another area of the reservation with several cell towers, the cabbage hill area, does not have a height limit. The Commercial area needs to have dependable cell service just like other areas, so a variance is appropriate to be able to deliver that service.

Criteria 2. The variance is necessary for the preservation of a property right of the applicant substantially the same as possessed by the owners of other property in the same zone or vicinity.

Applicant Statement:

“A cell tower is a permitted use in the Commercial zone and owners of other properties in similar zone would have the same property right to install a cell tower. ”

Finding:

Cell towers are classified as a “Utility Facility” by the CTUIR Land Development code. Utility Facilities are an allowed use in the C-D zone, yet Verizon would not be able to effectively locate their business here without a variance to make service effective and viable.

Criteria 3. The variance would not be materially detrimental to the purposes of this Code or to property in the same zone or vicinity in which the property is located or otherwise conflict with the objectives of any Reservation Plan or Policy.

Applicant Statement:

“The variance to allow an additional 30’ in height (or 34’ with antenna tip height) would not be materially detrimental to the purposes of this Code or to property in the same zone or vicinity in which the property is located or otherwise conflict with the objectives of any Reservation Plan or Policy. The proposed tower location has been approved by the land owner (CTUIR) and meets other standards of the code including setbacks. The proposed facility has been so located, designed, and installed as to

minimize any conflict with scenic values. The facility utilizes a slim monopole design so as to have a slim profile and the facility has been located as far as possible off the public street to minimize view from the public street.”

Finding:

CTUIR Codes and Policies support and do not conflict with the proposal.

CTUIR Comprehensive Plan. - Several Comprehensive Plan policies are furthered by adequate cell service in the Commercial Development zone including:

- Goal 5.1 Organizational Excellence, by furthering the ability of businesses and guests to communicate via cell service;
- Goal 5.2 Economy, because electronic communications allow for efficiency in operations and contribute to economic security in the face of changing global environmental conditions;
- Goal 5.12 Community Facilities because cellular communications have become a vital part of personal and business life in all community facilities;
- Goal 5.14 Public Safety because wireless communications provide for emergency response.

CTUIR Land Development Code (LDC). The LDC sets a height limit for buildings of 120 feet in the Commercial zone largely based on the ability to provide emergency fire service to occupied buildings, such as the Wildhorse hotel, via a ladder truck. As an unoccupied structure, the cell tower does not pose a risk to public safety in exceeding the 120’ height limit.

CTUIR Historic Preservation Code. The Cultural Resources and NEPA process has been followed and the Tribal Historic Preservation Officer has determined that there will be no adverse effects of the monopole providing it utilizes nonreflective materials, and that a Cultural Resources monitor is present during ground disturbing activity.

Criteria 4. The variance requested is the minimum variance which would alleviate the hardship.

Applicant Statement:

“Verizon requires a variance to the development code to allow a 150’ cell tower instead of 120’ as per code due to the fact that 150’ antenna centerline height (154’ antenna tip height) is the minimum height required to achieve the desired coverage. The attached RF justification letter provides justification for the 150’ height, the minimum required to provide coverage in the service area and to fulfill the coverage gap.”

Finding:

The RF analysis determines what is necessary to provide the needed coverage and shows why the proposed height is the minimum necessary.

The tower does provide for future collocation of other carriers. One future platform is also over the 120’ height limit. Multiple carriers improves the economy of a tower and reduce the overall number of towers while providing choice among carriers. Future carriers will be required to submit a development permit application with structural and RF analysis for review and approval prior to actual construction. Verizon will also be submitting a development permit prior to actual construction.

CONCLUSIONS:

1. While usually variances are granted based on unique circumstances of the property, in this case the variance is needed due to the unique circumstances of the use. Wireless towers have been recognized by the Federal Government as essential services and must be reviewed with that in mind. The proposed use is different from occupied buildings and warrants a variance from the 120' height limit.
2. The variance is necessary to ensure that Verizon has the ability to provide cell service in the Commercial area of the Reservation without gaps in coverage.
3. The proposed use will not be detrimental to other uses in the zone. Instead it will support and enhance the ability of the businesses to function well and visitors to the area to communicate effectively while travelling.
4. The variance is the minimum necessary to alleviate the hardship.

DECISION OPTIONS:

In acting on this request, the Land Protection Planning Commission must choose one of the following decision options:

1. Approve the Variance request without conditions;
2. Approve the Variance request with conditions;
3. Deny the Variance request;
4. Recess the hearing until a specified time, date, and place; pending further testimony or information;
5. Table the decision until a subsequent Land Protection Planning Commission meeting.

STAFF RECOMMENDATION:

Based on the application, facts, findings, and conclusions, it has been determined that the request meets the minimum required circumstances for granting a variance request. Staff therefore recommends that the Land Protection Planning Commission **APPROVE** the Variance request with the following condition:

1. Based on Cultural Resources review, the structure shall utilize nonreflective materials and natural paint colors, and ensure that a Cultural Resources monitor is on site during any ground-disturbing portions of the project.

CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

Planning Office – 46411 Timine, Pendleton, Oregon, 97801

VARIANCE APPLICATION

Fee: \$100.00 Note: Revised Application 2/1/2023; original submittal 12/2/2019. Please Print

Note: Proposed tower will be 30' over, for a total tower height of 150', and w the antenna tip height, the variance will be 34' over, for an overall height of 154'.

Applicant's Name: _____

Address: _____ Phone: _____

Lot Owner's Name: _____

Address: _____ Phone: _____

Property Description: Township ____ Range ____ Section ____ Tax Lot _____

Allotment: _____ Present Zone: _____ Total Acreage: _____

General Location (Closest Intersection, etc.): _____

Present Use of Property (Description, including any existing structures and the current use): _____

There is an existing building on Lot 11. The existing tenant is DaVita Blue Mountain Kidney Center. The Tribe is the Landlord.

Proposed Use: (Explain in detail) _____

the compound. Access off public right of way, Coyote Road along with non-exclusive access and fiber and utility easements.

A response shall be submitted with this application explaining how this request relates to the applicable variance criteria (see Attached).

Also submit a statement explaining any other evidence you plan to present and a **detailed site plan** of the proposed use.

I understand that any false statements made on this application may cause subsequent approval by the Natural resources Commission to be null and void.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED!

Date: _____

Applicant: _____

Agent: _____

I am the (Circle One): Owner/owner's authorized representative (If authorized representative, attach letter signed by owner)

OFFICE USE ONLY

Date Filed _____

Reviewed By: _____

Fee Paid: _____

File #: _____

Hearing Date: _____

NOTES: _____

ATTACHMENT: Variance Decision Criteria

A Variance may be granted if, on the basis of the application, investigation and evidence submitted findings are made based on the criteria below. A variance may be granted unqualifiedly or may be granted subject to the prescribed conditions.

Circumstances for Granting a Variance: Section 7.015 of the Land Development Code.

A variance may be granted only in the event that all of the following circumstances exist:

- (1) Exceptional or extraordinary circumstances apply to the property which do not apply generally to other properties in the same zone or vicinity and result from lot size or shape, topography or other circumstances over which the owners of property since enactment of this Code have had no control.
- (2) The variance is necessary for the preservation of a property right of the applicant substantially the same as possessed by the owners of other property in the same zone or vicinity.
- (3) The variance would not be materially detrimental to the purposes of this Code or to property in the same zone or vicinity in which the property is located or otherwise conflict with the objectives of any Reservation Plan or Policy.
- (4) The variance requested is the minimum variance which would alleviate the hardship.

File #: _____

Verizon Wireless – WILDHORSE Wireless Communication Facility

VARIANCE

I. GENERAL INFORMATION

Applicant: **Revised 2/1/2023: Cellco Partnership** d/b/a Verizon Wireless
Attn: **Christine Bradford** - Verizon Wireless-Network Real Estate Specialist

Agent/Contact: **Revised 2/1/2023 Kimberly Spongberg of Black Rock (Agent - contact person) PO Box 1744, Tualatin, OR 97062**
Tel: **913-940-0780. Kimberly@blk-rock.com**

Property Owner: Confederated Tribes of the Umatilla Indian Reservation - CTUIR

Site Location: Property Location: **Revised 2/1/2023: New E911 address: 72544 Coyote Rd, Pendleton, OR 97801.** Prior note: Lot 12 in the Coyote North Business Park Subdivision a.k.a. Parcel 1000 in the NE ¼ of Section 21 T2N R33E W.M. Umatilla County, Oregon.

Zoning Designation: Commercial C-D

Comprehensive Plan: Commercial

Zoning Designation: CD

Size of Site: 38,750 square feet

Size of Site: FRONT – 10 FEET, SIDES – 0 FEET, REAR – 0 FEET.

Height: 120' per code. **A variance of 34' total is required to achieve antenna tip height of 154'. Revised 2/1/2023:** Additional note: The proposed tower will be 30' over, for a total tower height of 150'. However, with tip height of the antennas, the variance will be 34' over, for an overall height of 154'.

Project Description: **Revised 2/1/2023:** Verizon Wireless proposes to install a monopole tower with (6) 8-foot panel antennas and (3) 31.1-inch integrated antennas, radios and OVP, as well as ground , as well as ground mounted radio, battery equipment cabinets and a diesel generator on pads within a 50' x 50' fenced compound. Underground power and fiber utilities to be extended to site from nearby locations to connect to H-frame within compound, with access off public right of way, Coyote Road along with non-exclusive access and fiber and utility easements.

Applications: Variance:

II. INTRODUCTION

Revised 2/1/2023: Verizon's customers currently experience a significant gap in coverage in the proposed site area including the southeast area of Pendleton and surrounding environs. The target search area to fulfill this gap is predominately near the Coyote Business Park.

To expand its coverage to this unserved area, Verizon proposes to install antenna wireless communication facilities on a new 150' monopole **with antennas at 154' tip height**.

The proposed facility is subject to Variance Review due to the required height of 150' centerline and 154' tip height is minimum required to achieve coverage objective. The facility is a Macrocell Wireless Communication Facility site.

III. PROPOSAL & NARRATIVE

Project Overview

Verizon Wireless (VAW) LLC d/b/a Verizon Wireless, is requesting approval to install a Wireless Communications Facility (WCF) on privately owned land.

The applicant is proposing to establish a WCF (Wireless Communication Facility) proposal to install antennas atop a new 150' monopole tower, (**Rv1 with a tip height of 154'**). Great care and expense has been taken by the Applicant, Verizon Wireless, to design the facility to meet or exceed all applicable Code Criteria, and minimize the perceived visibility of this site.

Impact to public facilities and services will be minimal as the location on the property inside a fenced compound will utilize only fiber and power, both of which are available nearby by underground easement. During construction or operation of the site, minimal traffic would be generated as a result of the facility. Once construction is completed, an equipment technician would visit the site approximately one time per month for routine maintenance purposes only.

Telephone service and electrical power are the only public facilities required by the proposed site. Verizon Wireless's proposed site is an unmanned facility, and would not require any water, waste treatment or management of hazardous materials.

The proposed communication facility will not interfere with surrounding properties or their uses, and will not cause interference with any electronic equipment, such as telephones, televisions, or radios. Non-interference is ensured by the Federal Communications Commission (FCC) regulation of radio transmissions.

The tower is not required to be lit per FAA as does not exceed the FAA notice criteria per Exhibit D.

The proposed facility has been so located, designed, and installed as to minimize any conflict with scenic values. The facility utilizes a slim monopole design so as to have a slim profile and the facility has been located as far as possible off the public street to minimize view from the public street.

The applicant's agent, Black Rock Development & Consulting LLC is submitting this application on behalf of Verizon Wireless.

System Information

Verizon Wireless is upgrading and expanding its physical system network throughout Oregon and the Pacific Northwest. Upon completion of this update, Verizon Wireless will operate a state of the art digital network of wireless communication sites throughout Oregon and the Pacific Northwest, and in connection with other nationwide Verizon Wireless market areas. Black Rock LLC is responsible for the development and redevelopment of many of the Verizon Wireless sites and provides a broad range of professional services; to include program management, land use planning, site acquisition, construction management, and technical services. Black Rock LLC, on behalf of Verizon Wireless, has submitted this application.

The need for specific service is determined by market demand, capacity requirements for a specific geographic area, and the need to provide continuous coverage from one site to another in a particular geographic region. Once the need for additional capacity or enhanced coverage in a particular area has been established, Verizon Wireless's Radio Frequency (RF) engineers identify a target area ("search ring") to locate a new facility.

The required site location and antenna height is determined by an engineering study. This study evaluates radio signal propagation over the desired coverage area based on topography, geographic features and possible signal attenuation due to seasonal changes in vegetation. It is desirable to have direct line of sight from the base station antennas to the required coverage objectives.

This proposed development would allow Verizon Wireless to continue to provide the needed service to the area, nearby roads, surrounding neighborhoods and business areas. It is crucial for Verizon Wireless to have adequate coverage in this area in order to serve customers in compliance with its FCC license regulations.

Facility Design Characteristics and Details

EQUIPMENT: Revised 2/1/2023: The proposed design for the wireless communication facility includes: Antennas, coax/hybrid cables, radio and battery cabinets, and an emergency diesel generator, and ancillary equipment as shown on the site plans. The tip height of the antennas will be at 154' and will include **(6) panel antenna array consisting of (2) - 8' panel antennas per sector as shown on plans – 3 sectors total; and (3) integrated antennas with radios consisting of (1) - 31.1" antenna per sector as shown on plans – 3 sectors total, up to 2 each Radios** (AC inclusive to unit), Power, and Battery cabinets (2 total) as shown on site plans; 1 – backup emergency diesel fueled generator as shown on plans; 4 exterior pole mounted maintenance light on ground equipment (reflected downward); 1 Utility frame for Verizon power meter and connection for power and fiber which will be routed underground from nearby utility demarcations; and 6' tall chain-link security fence as shown on plans. The backup generator will only be run for maintenance during normal business hours and is not adjacent to a residential use.

HEIGHT: The height is as described above and all visible components depicted on the elevation page of the Site Plans. The antenna tip height of 154' is the minimum height required to achieve the design objective. The tower is not required to be lit per FAA as does not exceed the FAA notice criteria per Exhibit D. The tower will be a steel gray galvanized finish – non reflective to minimize glare.

CONSTRUCTION: Revised 2/1/2023: Construction is anticipated once all permits and approvals are received, estimated for **summer 2023**. Construction will entail clearing and grubbing, construction and installation of the required equipment in an orderly manner. A temporary staging area is available on the owner's property and will not impact local traffic or block access. Various types of construction equipment will be required during various stages of construction including: backhoes, dump truck, concrete truces, crane, excavators, trenching equipment, and other equipment for projects of this nature.

Benefits to the Community

Wireless technology will provide many benefits to the residents, businesses, and motorists that travel or live near the proposed project site. These benefits include:

- Quick access to 911 Emergency, even in remote regions, allowing motorists to summon emergency aid and report dangerous situations. Cell Towers have been classified as Critical Infrastructure Facilities of the United States by the Department of Homeland Security.

- Support for emergency services by providing wireless communications access to paramedics, firefighters, and law enforcement agencies that use this technology.
- A backup system to the landline telephone services in the event of power outages, natural or man-made disasters.
- The ability to transmit data over the airwaves allowing for immediate access to vital information to emergency services.
- Provide quality wireless communications including voice, paging, and digital data capabilities for email, facsimile and Internet access.
- Enhance the communications systems of residents and business around the project coverage area.

IV. VARIANCE CRITERIA

The wireless communication facility is a permitted use as a Utility facility per code section

SECTION 3.210 USES PERMITTED:

In a C-D, Commercial Development Zone the following uses and their accessory uses are permitted upon issuance of a Development Permit:

46. Utility facility; however a variance is required for the additional height.

WILDHORSE – VARIANCE NARRATIVE

Circumstances for Granting a Variance: Section 7.015 of the Land Development Code.

A variance may be granted only in the event that all of the following circumstances exist:

- (1) Exceptional or extraordinary circumstances apply to the property which do not apply generally to other properties in the same zone or vicinity and result from lot size or shape, topography or other circumstances over which the owners of property since enactment of this Code have had no control.

Revised 2/1/2023: Verizon requires a variance to the development code to allow a 150' cell tower with 154' antenna tip height instead of 120' as per code due to the fact that 150' height is the minimum height required to achieve the desired coverage. So a minimum tower height of 150' with an antenna tip height of 154' is the minimum required to achieve the coverage objective. The owner of the property (CTUIR) has designated and selected this location in conjunction with Verizon as best location to fulfill the coverage gap, as other properties were not viable due to site selection criteria of the owner and Verizon.

- (2) The variance is necessary for the preservation of a property right of the applicant substantially the same as possessed by the owners of other property in the same zone or vicinity.

A cell tower is a permitted use in the Commercial zone and owners of other properties in similar zone would have the same property right to install a cell tower.

- (3) The variance would not be materially detrimental to the purposes of this Code or to property in the same zone or vicinity in which the property is located or otherwise conflict with the objectives of any Reservation Plan or Policy.

Revised 2/1/2023: The variance to allow an additional 30' in height (or 34' with antenna tip height) would not be materially detrimental to the purposes of this Code or to property in the same zone or vicinity in which the property is located or otherwise conflict with the objectives of any Reservation Plan or Policy. The proposed tower location has been approved by the land owner (CTUIR) and meets other standards of the code including setbacks. The proposed facility has been so located, designed, and installed as to minimize any conflict with scenic values. The facility utilizes a slim monopole design so as to have a slim profile and the facility has been located as far as possible off the public street to minimize view from the public street.

(4) The variance requested is the minimum variance which would alleviate the hardship.

Verizon requires a variance to the development code to allow a 150' cell tower instead of 120' as per code due to the fact that 150' antenna centerline height (154' antenna tip height) is the minimum height required to achieve the desired coverage. The attached RF justification letter provides justification for the 150' height, the minimum required to provide coverage in the service area and to fulfill the coverage gap.

V. CONCLUSION

Based on the information provided in and with this document the request of Verizon Wireless should be approved.

Attached: Application form, land use authorization.

EXHIBITS:

- A. RF Justification**
- B. Site Plans**
- C. 1A Survey**
- D. FAA no notice required**

OR3 WILDHORSE

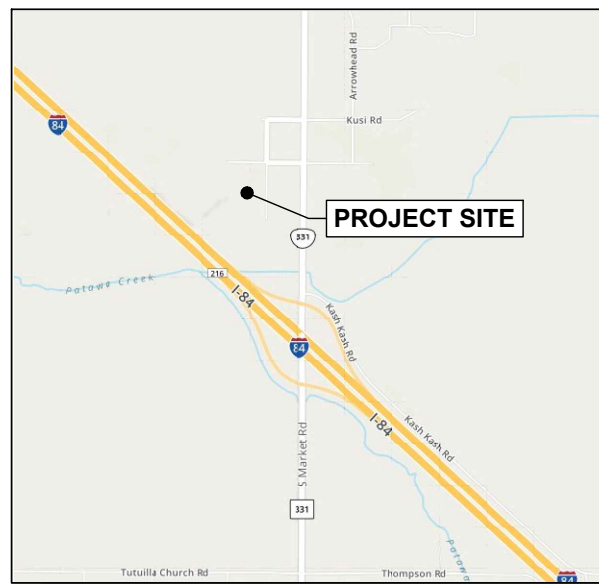
72544 COYOTE ROAD
PENDLETON, OREGON 97801

PSLC 760146 / FUZE PROJECT 20161518915



PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

VICINITY MAP



AREA MAP



PROJECT CONTACT LIST

PROPERTY OWNER:

CONFEDERATED TRIBES OF THE
UMATILLA INDIAN RESERVATION
72485 OR-331
PENDLETON, OR 97801
CONTACT: MARGUARITE BECENTI
PHONE: (541) 429-7451 / (541) 240-4128
margaritebecenti@ctuir.org

IMPLEMENTATION CONTACT:

GREG BAKER
VERIZON WIRELESS
12730 E MIRIBEAU PARKWAY, SUITE 500
SPOKANE VALLEY, WA 99216
PHONE: (417) 824-1076
greg.baker@verizonwireless.com

SITE ACQUISITION:

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BLACK ROCK CONSULTING
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TUALATIN, OR 97062
PHONE: (913) 940-0780
kimberly@blk-rock.com

STRUCTURAL ENGINEER:

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VECTOR STRUCTURAL ENGINEERING
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PHONE: 801.990.1775

APPLICANT:

CELLCO PARTNERSHIP
(d/b/a VERIZON WIRELESS)
5430 NE 122ND AVENUE
PORTLAND, OR 97230

A&E CONSULTANT:

RICK MATTESON
ACOM CONSULTING, INC
5200 SW MEADOWS RD, SUITE 150
LAKE OSWEGO, OR 97035
PHONE: (425) 209-6723
rick.matteson@acomconsultinginc.com

ZONING / PERMITTING:

KIMBERLY SPONGBERG
BLACK ROCK CONSULTING
PO BOX 1744
TUALATIN, OR 97062
PHONE: (913) 940-0780
kimberly@blk-rock.com

ELECTRICAL ENGINEER:

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

DRAWING INDEX

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| NO. | DATE | DRAWN | REVISION |
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| F | 10/06/22 | RM | 90% PCD REVIEW |
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| J | 01/20/23 | KM | 90% PCD REVIEW |



DRIVING DIRECTIONS

FROM VERIZON WIRELESS OFFICE - PORTLAND, OR:

DEPART SOUTHWEST ON NE 122ND AVE TOWARD I-84. TURN LEFT TO MERGE ONTO I-84 E/US-30 E TOWARD TROUTDALE/HOOD RIVER. TAKE EXIT 216 TOWARD MILTON-FREEWATER/WALLA WALLA. TURN LEFT ONTO OR-331 N/S MARKET RD. YOU HAVE REACHED YOUR DESTINATION.

CODE COMPLIANCE

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

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

- 2018 IBC, STANDARDS AND AMENDMENTS - 2019 OSSC
- 2018 IMC, STANDARDS AND AMENDMENTS - 2019 OMSC
- 2019 IFC, STANDARDS AND AMENDMENTS - 2018 OFC
- 2015 UPC, STANDARDS AND AMENDMENTS - 2017 OPSC
- 2017 NEC, STANDARDS AND AMENDMENTS - 2017 OESC

PROJECT INFORMATION

CODE INFORMATION:

JURISDICTION: CONFEDERATED TRIBES OF THE
UMATILLA INDIAN RESERVATION
ZONING CLASSIFICATION: CD ZONE
CONSTRUCTION TYPE: II-B
OCCUPANCY: UTILITY
PROPOSED BUILDING USE: TELECOM

SITE LOCATION (NAVD88):

GROUND ELEVATION: 1420.6' AMSL
STRUCTURE HEIGHT: 150.0' (TOP OF MONOPOLE)
154.0' (TOP OF ANTENNAS)

GEODETIC COORDINATES (NAD83):

LATITUDE: 45.643533° (45° 38' 36.72" N)
LONGITUDE: -118.686772° (118° 41' 12.38" W)

LEASE AREA SIZE:

2,500 SF

PARCEL SIZE:

38,750 SQ. FT.

PARCEL NUMBER:

2N33D000 TL 1000

SCOPE OF WORK

VERIZON WIRELESS PROPOSES TO INSTALL RADIO EQUIPMENT AND DIESEL GENERATOR ON A CONCRETE PAD WITHIN A PROPOSED 50' x 50' WIRELESS FACILITY. PROPOSED INSTALLATION OF (9) ANTENNAS AND ANCILLARY EQUIPMENT ON AN ANTENNA MOUNT ATTACHED TO A PROPOSED 150.0' MONOPOLE.

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF ACOM CONSULTING.

**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

COVER SHEET

T-1

GENERAL NOTES

1. WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. ALL NECESSARY LICENSES, CERTIFICATES, ETC., REQUIRED BY AUTHORITY HAVING JURISDICTION SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
2. ACOM HAS NOT CONDUCTED, NOR DOES IT INTEND TO CONDUCT ANY INVESTIGATION AS TO THE PRESENCE OF HAZARDOUS MATERIAL, INCLUDING, BUT NOT LIMITED TO, ASBESTOS WITHIN THE CONFINES OF THIS PROJECT. ACOM DOES NOT ACCEPT RESPONSIBILITY FOR THE INDEMNIFICATION, THE REMOVAL, OR ANY EFFECTS FROM THE PRESENCE OF THESE MATERIALS. IF EVIDENCE OF HAZARDOUS MATERIALS IS FOUND, WORK IS TO BE SUSPENDED AND THE OWNER NOTIFIED. THE CONTRACTOR IS NOT TO PROCEED WITH FURTHER WORK UNTIL INSTRUCTED BY THE OWNER IN WRITING.
3. ALL MATERIAL FURNISHED UNDER THIS CONTRACT SHALL BE PROPOSED, UNLESS OTHERWISE NOTED. ALL WORK SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. THE CONTRACTOR SHALL REPAIR OR REPLACE AT HIS EXPENSE ALL WORK THAT MAY DEVELOP DEFECTS IN MATERIALS OR WORKMANSHIP WITHIN SAID PERIOD OF TIME OR FOR ONE YEAR AFTER THE FINAL ACCEPTANCE OF THE ENTIRE PROJECT, WHICHEVER IS GREATER.
4. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND UTILITIES AT THE JOB SITE BEFORE WORK IS STARTED. NO CLAIMS FOR EXTRA COMPENSATION FOR WORK WHICH COULD HAVE BEEN FORESEEN BY AN INSPECTION, WHETHER SHOWN ON THE CONTRACT DOCUMENTS OR NOT, WILL BE ACCEPTED OR PAID.
5. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS AT THE JOB SITE WHICH COULD AFFECT THE WORK UNDER THIS CONTRACT. ALL MANUFACTURERS RECOMMENDED SPECIFICATIONS, EXCEPT THOSE SPECIFICATIONS HEREIN, WHERE MOST STRINGENT SHALL BE COMPLIED WITH.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE SIZE AND LOCATION OF ALL OPENINGS FOR STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, OR ARCHITECTURAL WORK.
7. THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY AND ALL MECHANICAL, ELECTRICAL, PLUMBING, OR STRUCTURAL ELEMENTS, AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE MET. NOTIFY THE CONSULTANT OF ANY CONFLICTS. THE CONSULTANT HAS THE RIGHT TO MAKE MINOR MODIFICATIONS IN THE DESIGN OF THE CONTRACT WITHOUT THE CONTRACTOR GETTING ADDITIONAL COMPENSATION.
8. DO NOT SCALE THE DRAWINGS. DIMENSIONS ARE EITHER TO THE FACE OF FINISHED ELEMENTS OR TO THE CENTER LINE OF ELEMENTS, UNLESS NOTED OTHERWISE. CRITICAL DIMENSIONS SHALL BE VERIFIED AND NOTIFY THE CONSULTANT OF ANY DISCREPANCIES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEAN UP OF ALL TRADES AND REMOVE ALL DEBRIS FROM THE CONSTRUCTION SITE. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE BUILDING, SITE, AND ANY OTHER SURROUNDING AREAS TO A BETTER THAN EXISTING CONDITION.
10. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
11. THE CONTRACTOR SHALL MEET ALL OSHA REQUIREMENTS FOR ALL INSTALLATIONS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING CONSTRUCTION AND REPAIR ALL DAMAGES TO BETTER THAN PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DAMAGE TO THE BUILDING SITE OR ANY ADJACENT STRUCTURES AROUND THE PROJECT. THE CONSULTANT SHALL BE SOLE AND FINAL JUDGE AS TO THE QUALITY OF THE REPAIRED CONSTRUCTION. ANY ADDITIONAL MODIFICATIONS WHICH MUST BE MADE SHALL BE MADE AT THE CONTRACTOR'S EXPENSE.
13. WHERE ONE DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS OR REFERRED TO IN THE SPECIFICATIONS, UNLESS NOTED OTHERWISE.
14. WHERE PROPOSED PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.
15. THE CONTRACTOR SHALL MODIFY THE EXISTING FLOORS, WALL, CEILING, OR OTHER CONSTRUCTION AS REQUIRED TO GAIN ACCESS TO AREAS FOR ALL MECHANICAL, PLUMBING, ELECTRICAL, OR STRUCTURAL MODIFICATIONS. WHERE THE EXISTING CONSTRUCTION DOORS, PARTITIONS, CEILING, ETC., ARE TO BE REMOVED, MODIFIED, OR REARRANGED OR WHERE THE EXPOSED OR HIDDEN MECHANICAL, ELECTRICAL, SYSTEMS ARE ADDED OR MODIFIED, THE GENERAL CONTRACTOR SHALL REPAIR, PATCH AND MATCH ALL EXISTING CONSTRUCTION AND FINISHES OF ALL FLOORS WALLS AND CEILINGS. WHERE CONCRETE MASONRY CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL TOOTH IN ALL PROPOSED CONSTRUCTION TO MATCH THE EXISTING BOND. WHERE CONCRETE CONSTRUCTION IS MODIFIED, THE CONTRACTOR SHALL VERIFY THE EXACT DETAILS TO BE USED FOR CONSTRUCTION. ALL WORK SHALL BE COVERED UNDER THE GENERAL CONTRACT.

16. VERIFY ALL EXISTING DIMENSIONS PRIOR TO PERFORMING WORK.
17. VERIFY LOCATION OF ALL BURIED UTILITIES PRIOR TO ANY EXCAVATION.
18. IN RAWLAND CONDITIONS, TOWER FOUNDATION STRUCTURAL STEEL TO BE GROUNDED PRIOR TO CONCRETE POUR. TOWER FOUNDATION STRUCTURAL STEEL TO BE CONNECTED TO PERMANENT GROUND ROD PRIOR TO TOWER ERECTION. TOWER GROUND MUST BE MAINTAINED AT ALL TIMES.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR COMMERCIAL POWER IMMEDIATELY UPON AWARD OF CONTRACT. THE GENERAL CONTRACTOR IS REQUIRED TO KEEP ALL DOCUMENTATION RECEIVED FROM THE POWER COMPANY, ACKNOWLEDGING APPLICATION FOR POWER, WRITTEN AND VERBAL DISCUSSIONS WITH THE POWER COMPANY, ETC.
20. THE GENERAL CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION OF THE EXPECTED DATE OF COMPLETION OF THE POWER CONNECTION FROM THE POWER COMPANY.
21. IF THE POWER COMPANY IS UNABLE TO PROVIDE THE POWER CONNECTION BY OWNER'S REQUIRED DATE, THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY GENERATOR UNTIL THE POWER COMPANY CONNECTION IS COMPLETED. COSTS ASSOCIATED WITH THE TEMPORARY GENERATOR TO BE APPROVED BY THE OWNER.
22. IF THE GENERAL CONTRACTOR FAILS TO TAKE NECESSARY MEASURES AS DESCRIBED IN NOTES 19, 20 AND 21 ABOVE, THE GENERAL CONTRACTOR SHALL PROVIDE A TEMPORARY GENERATOR AT NO COST TO THE OWNER.
23. PLANS PART OF THIS SET ARE COMPLEMENTARY. INFORMATION IS NOT LIMITED TO ONE PLAN. DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSION TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ARCHITECT. THESE PLANS WERE PREPARED TO BE SUBMITTED TO GOVERNMENTAL BUILDING AUTHORITIES FOR REVIEW FOR COMPLIANCE WITH APPLICABLE CODES AND IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO BUILD ACCORDING TO APPLICABLE BUILDING CODES.
24. IF CONTRACTOR OR SUB-CONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ARCHITECT WITH 4 COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.
25. IN EVERY EVENT, THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL BE INTERPRETED TO BE A MINIMUM ACCEPTABLE MEANS OF CONSTRUCTION BUT THIS SHALL NOT RELIEVE THE CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER/MANUFACTURER FROM PROVIDING A COMPLETE AND CORRECT JOB WHEN ADDITIONAL ITEMS ARE REQUIRED TO THE MINIMUM SPECIFICATION. IF ANY ITEMS NEED TO EXCEED THESE MINIMUM SPECIFICATIONS TO PROVIDE A COMPLETE, ADEQUATE AND SAFE WORKING CONDITION, THEN IT SHALL BE THE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE DRAWINGS. FOR EXAMPLE, IF AN ITEM AND/OR PIECE OF EQUIPMENT REQUIRES A LARGER WIRE SIZE (I.E. ELECTRICAL WIRE), STRONGER OR LARGER PIPING, INCREASED QUANTITY (I.E. STRUCTURAL ELEMENTS), REDUCED SPACING, AND/OR INCREASED LENGTH (I.E. BOLT LENGTHS, BAR LENGTHS) THEN IT SHALL BE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE BID/PROPOSAL. THESE DOCUMENTS ARE MEANT AS A GUIDE AND ALL ITEMS REASONABLY INFERRED SHALL BE DEEMED TO BE INCLUDED.
26. THESE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND BETWEEN THE ARCHITECT AND THE CONTRACTOR.

LINE/ANTENNA NOTES

1. ALL THREADED STRUCTURAL FASTENERS FOR ANTENNA SUPPORT ASSEMBLES SHALL CONFORM TO ASTM A307 OR ASTM A36. ALL STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. FASTENERS SHALL BE 5/8" MIN. DIA. BEARING TYPE CONNECTIONS WITH THREADS EXCLUDED FROM THE PLANE. ALL EXPOSED FASTENERS, NUTS, AND WASHERS SHALL BE GALVANIZED OTHERWISE NOTED. CONCRETE EXPANSION ANCHORS SHALL BE HILTI KWIK BOLTS UNLESS OTHERWISE NOTED. ALL ANCHORS INTO CONCRETE SHALL BE STAINLESS STEEL.
2. NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY MAGNETIC NORTH AND NOTIFY CONSULTANT OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.
3. PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
4. THOROUGHLY REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTIONS.
5. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. ALL BENDS TO BE A MIN. OF 8" RADIUS.
6. FOR GROUNDING TO BUILDING FRAME AND HATCH PLATE GROUND BARS. USE A TWO-BOLT HOLE NEMA DRILLED CONNECTOR SUCH AS T&B 32007 OR APPROVED EQUAL.
7. FOR ALL EXTERNAL GROUND CONNECTIONS, CLAMPS AND CADWELDS, APPLY A LIBERAL PROTECTIVE COATING OR AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORN CHEMICAL COMPANY.
8. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY THERMO-WELDING. USE ERICO T-319 GALVANIZING BAR/COLD GALVANIZING PAINT.
9. SEAL ALL CONDUIT PENETRATIONS INTO MODULAR BUILDING WITH A SILICONE SEALANT AND ALL CONDUIT OPENINGS.
10. ANTENNAS AND COAX TO BE PROVIDED BY VERIZON WIRELESS, CONTRACTOR TO COORDINATE DELIVERY.

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

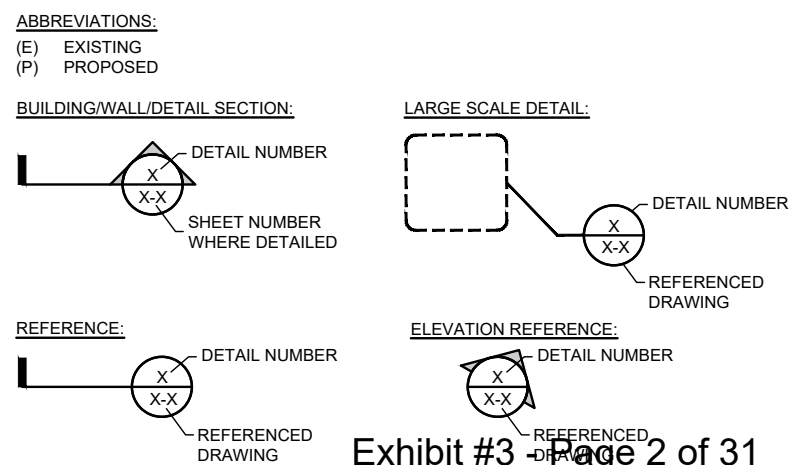
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PROJECT INFORMATION

1. THIS IS AN UNMANNED FACILITY AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. VERIZON WIRELESS CERTIFIES THAT THIS TELEPHONE EQUIPMENT FACILITY WILL BE SERVICED ONLY BY VERIZON WIRELESS EMPLOYEE SERVICE PERSONNEL FOR REPAIR PURPOSES ONLY. THIS FACILITY IS UNOCCUPIED AND NOT DESIGNED FOR HUMAN OCCUPANCY THUS IT IS NOT OPEN TO THE PUBLIC.
3. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
4. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
5. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
6. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
7. VERIZON WIRELESS MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

LEGEND



IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. ACOM CONSULTING CANNOT GUARANTEE THE CORRECTNESS NOR COMPLETENESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREOF. CONTRACTOR AND HIS SUB-CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AS REQUIRED FOR PROPER EXECUTION OF PROJECT. REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CONSULTANT PRIOR TO CONSTRUCTION.

**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

GENERAL NOTES
AND SYMBOLS

T-2

GENERAL STRUCTURAL NOTES

- CONTRACTOR SHALL FIELD VERIFY SITE OR LAYOUT RESTRICTIONS, SITE CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF VECTOR STRUCTURAL ENGINEERING, LLC PRIOR TO BEGINNING PROJECT. ALL WORK SHALL BE PERFORMED USING ACCEPTED CONSTRUCTION PRACTICES.
- NO FIELD MODIFICATIONS MAY BE MADE WITHOUT EXPRESS WRITTEN CONSENT FROM THE ENGINEER OF RECORD. ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR THE STRUCTURE IF ALTERATIONS AND/OR ADDITIONS ARE MADE TO THE DESIGN AS SHOWN IN THESE DRAWINGS.
- THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES, REGULATIONS, AND ORDINANCES AS WELL AS STATE DEPARTMENT OF INDUSTRIAL REGULATIONS AND DIVISION OF INDUSTRIAL SAFETY (OSHA) REQUIREMENTS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK TO THE BEST OF HIS/HER ABILITY AND SKILL. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, AND SEQUENCES, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- THE CONTRACTOR SHALL VERIFY, COORDINATE, AND PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, HANGERS, OR OTHER SUPPORTS FOR ALL ITEMS REQUIRING SAME, WHETHER SHOWN OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, FORMWORK, ETC., AND SHALL CONFORM TO ALL NATIONAL, STATE, AND LOCAL ORDINANCES AND CODES, IN ORDER TO SAFELY EXECUTE ALL STAGES OF WORK TO COMPLETE THIS PROJECT.
- IT IS THE INTENT OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION OF THE STRUCTURE SHOWN.
- CONTRACTOR ASSUMES RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR TO HOLD ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED IN CONJUNCTION WITH THE EXECUTION OF WORK ON THIS PROJECT.
- WEATHER PROOFING AND/OR FLASHING TO BE PROVIDED BY CONTRACTOR AS REQUIRED.
- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ARCHITECT/ ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED.
- THESE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND PEDESTRIANS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT/ ENGINEER SHALL NOT INCLUDE INSPECTION OF SUCH ITEMS.
- ALL STRUCTURAL MEMBERS, HARDWARE, & FASTENERS TO BE STEEL, U.N.O.
- CONTRACTOR TO VERIFY SUITABILITY OF EQUIPMENT AND CLIENT TOLERANCE FOR ANTICIPATED DIFFERENTIAL MOVEMENT OF STRUCTURES DUE TO FROST HEAVE, SETTLEMENT, AND OTHER FACTORS.
- ALL ASPECTS OF THE EXISTING STRUCTURE ARE ASSUMED TO BE IN GOOD CONDITION, FREE FROM DAMAGE OR DETERIORATION. CONTRACTOR TO VERIFY CONDITION OF STRUCTURE AND INFORM VECTOR OF ANY DAMAGED STRUCTURAL MEMBERS.

DESIGN CRITERIA

- THE DESIGN CRITERIA FOR THIS STRUCTURE IS AS FOLLOWS:
 - STANDARDS AND DESIGN CODES:
BUILDING CODE: INTERNATIONAL BUILDING CODE, 2021 EDITION (2021 IBC)
 - FOUNDATION ANALYSIS/DESIGN IS BY OTHERS AND IS TO BE BASED ON SITE-SPECIFIC GEOTECHNICAL RECOMMENDATIONS OR CODE PRESCRIBED PRESUMPTIVE SOIL PARAMETERS AS APPROVED BY THE JURISDICTION.

STRUCTURAL STEEL

- ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW:

| | |
|---------------------------|---------------------------|
| WIDE FLANGE: | ASTM A992 GR. 50 |
| RECT/SQ. HSS: | ASTM A500 GR B (46 ksi) |
| PIPE: | ASTM A53 GR. B |
| ANGLES, CHANNELS, PLATES: | ASTM A36 |
| STEEL TO STEEL BOLTS | ASTM F3125 GR. A325N |
| BOLTS FOR GRATING CLIPS: | ASTM A307 |
| SCREWS: | SAE GR. 5 (OR EQUIVALENT) |
| PLATES: | ASTM A36 |
- ALL STEEL SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM F2329. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.
- ALL WELDING TO BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC. WHERE FILLET WELDS SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC MANUAL OF STEEL CONSTRUCTION. PAINTED SURFACES SHALL BE TOUCHED UP. ALL WELDING SHALL BE PERFORMED IN AN APPROVED SHOP BY WELDERS CERTIFIED IN ACCORDANCE WITH AWS D1.1. NO FIELD WELDING PERMITTED.
- ALL STRUCTURAL BOLTS SHALL BE TIGHTENED PER THE "TURN OF THE NUT" METHOD AS DEFINED BY AISC. HOLES TO RECEIVE BOLTS SHALL BE 1/16" LARGER THAN NOMINAL BOLT DIAMETER, U.N.O.

SPECIAL INSPECTION

- CONTRACTOR SHALL PROVIDE REQUIRED SPECIAL INSPECTIONS PERFORMED BY AN INDEPENDENT INSPECTOR, APPROVED BY CARRIER AND THE GOVERNING JURISDICTION, AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING:
 - PERIODIC THIRD PARTY SPECIAL INSPECTIONS SHALL BE REQUIRED FOR THE FOLLOWING:
 - PERIODIC FOR HIGH STRENGTH (A325 AND A490) BOLT INSTALLATIONS, IF UTILIZED
 - PERIODIC SPECIAL INSPECTION OF CONCRETE FORMS AND CONCRETE AND REINFORCEMENT PLACEMENT
 - CONTINUOUS FOR ALL RETROFIT ANCHORS IN CONCRETE
- PROVIDE SPECIAL INSPECTIONS FOR OTHER ITEMS NOTED ON DRAWINGS TO CONFIRM COMPLIANCE WITH CONTRACT DOCUMENTS.
- STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THE REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL.
- STRUCTURAL OBSERVATION NOT REQUIRED.

CONCRETE

- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
- REINFORCED CONCRETE DESIGN IS BY THE "ULTIMATE STRENGTH DESIGN METHOD", ACI 318-(LATEST EDITION)
- SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTHS AND TYPES:

| | |
|-----------------------|--------------|
| LOCATION IN STRUCTURE | STRENGTH PSI |
| GRADE BEAMS | 3000 |
| FOOTINGS | 3000 |
- CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL WITH THE FOLLOWING REQUIREMENTS:
 - COMPRESSIVE STRENGTH AT AGE 28 DAYS AS SPECIFIED ABOVE.
 - LARGE AGGREGATE-HARDROCK, 3/4" MAXIMUM SIZE CONFORMING TO ASTM C-33
 - CEMENT-ASTM C-150, TYPE TYPE II PORTLAND CEMENT
 - MAXIMUM SLUMP 5-INCHES, MAX WATER CEMENT RATIO: 0.45
 - AIR ENTRAINING AGENT TO BE USED FOR CONCRETE EXPOSED TO FREEZING TEMPERATURES. TOTAL AIR CONTENT TO BE 6%
 - NO ADMIXTURES, EXCEPT FOR ENTRAINED AIR, AND AS APPROVED BY THE ENGINEER.
- CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C-94
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 514 AND PROJECT SPECIFICATIONS.
- CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS: CONCRETE POURED DIRECTLY AGAINST EARTH - 3 INCHES CLEAR, STRUCTURAL SLABS - 3/4 INCHES CLEAR (TOP AND BOTTOM), FORMED CONCRETE WITH EARTH BACK FILL - 2 INCHES CLEAR. CLEAR COVER FOR ALL REINFORCEMENT IN PRECAST CONCRETE MEMBERS FABRICATED IN A PLANT CONTROLLED ENVIRONMENT TO BE 1-1/2" MIN. FOR UP TO # 4 REINFORCING BARS, UNLESS OTHERWISE SPECIFIED.

- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING THAT MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- CONDUIT OR PIPE SIZE (O.D.) SHALL NOT EXCEED 30% OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING, UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.
- PRECAST CONCRETE SHALL BE FABRICATED IN AN APPROVED SHOP IN A PLANT CONTROLLED ENVIRONMENT. REINFORCEMENT SPECIFIED IS MINIMUM ONLY. DESIGN AND VERIFICATION OF PRECAST MEMBERS, INCLUDING EMBEDS, FOR LOADS TO DUE LIFTING AND TRANSPORTATION IS THE RESPONSIBILITY OF THE PRECASTER.
- MODULUS OF ELASTICITY OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-460, SHALL BE AT LEAST THE VALUE GIVEN BY THE EQUATIONS IN SECTION 8.5.1 OF ACI 318 FOR THE SPECIFIED 28-DAY STRENGTH.
- SHRINKAGE OF CONCRETE, WHEN TESTED IN ACCORDANCE WITH ASTM C-157, SHALL NOT EXCEED 0.0004 INCHES/INCH.
- CONCRETE PLACED IN COLD WEATHER CONDITIONS SHALL BE IN ACCORDANCE WITH ACI 306 (LATEST EDITION)

REINFORCING STEEL

- REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD
- MINIMUM LAP OF WELDED WIRE FABRIC SHALL BE 6 INCHES OR ONE FULL MESH AND ONE HALF, WHICH EVER IS GREATER.
- ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
- REBAR SPLICES ARE TO BE: CLASS "B"
- REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
- DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

POST-INSTALLED ANCHORS

- USE, INSTALLATION, EMBEDMENT DEPTH, AND DIAMETER OF EXPANSION/WEDGE OR ADHESIVE ANCHORS IN HARDENED CONCRETE OR CMU SHALL CONFORM TO ICC REPORT & MANUFACTURER'S RECOMMENDATIONS.
- MAINTAIN CRITICAL EDGE DISTANCE SPECIFIED IN ICC REPORT AS A MINIMUM, U.N.O. IN THESE DRAWINGS
- LOCATE AND AVOID CUTTING EXISTING REBAR OR TENDONS WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS, CONCRETE WALLS, OR CMU.

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
| F | 10/06/22 | RM | 90% PCD REVIEW |
| G | 11/14/22 | RM | 90% PCD REVIEW |
| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:



A&E CONSULTANT:



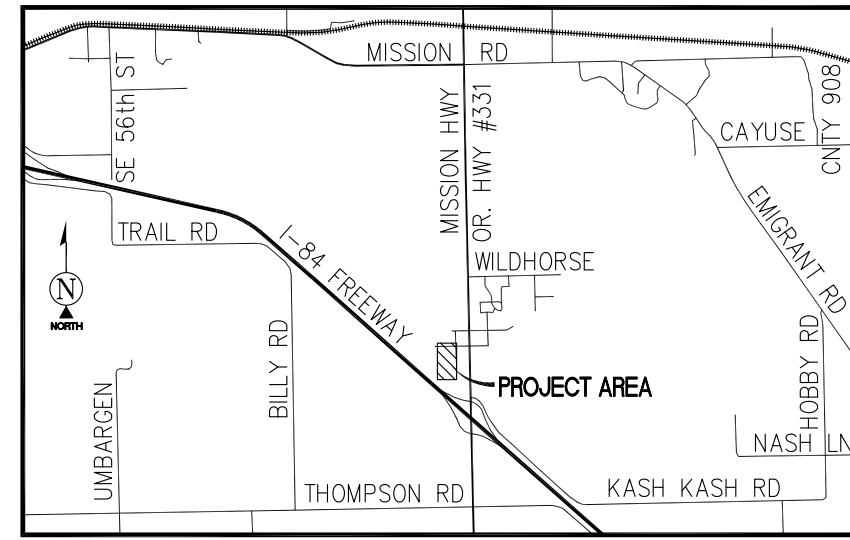
SITE ACQUISITION AND PERMITTING:



**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

**GENERAL
STRUCTURAL
NOTES**

T-3



POSITION OF GEODETIC COORDINATES
 LATITUDE 45° 38' 36.72" (45.643533°) NORTH (NAD83)
 LONGITUDE 118° 41' 12.38" (118.686772°) WEST (NAD83)
 GROUND ELEVATION @ 1420.6' (NAVD88)

SURVEY DATE
 03/19/2019

BASIS OF BEARING

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

BENCHMARK

PROJECT ELEVATIONS ESTABLISHED FROM GPS DERIVED ORTHOMETRIC HEIGHTS BY APPLICATION OF NGS 'GEOID 12B' MODELED SEPARATIONS TO ELLIPSOID HEIGHTS DETERMINED BY RAW STATIC GPS DATA. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88.

GRID-TO-GROUND SCALE FACTOR NOTE

ALL BEARINGS AND DISTANCES ARE BASED ON THE OREGON STATE PLANE COORDINATE ZONE NORTH GRID. TO DERIVE GROUND DISTANCES DIVIDE BY 0.99993081

FLOOD ZONE

THIS PROJECT APPEARS TO BE LOCATED WITHIN FLOOD ZONE "D"; AN AREA OF UNDETERMINED FLOOD HAZARD, ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP, MAP ID #41059C1045G, DATED 09/03/2010. (NOT PRINTED)

UTILITY NOTES

SURVEYOR DOES NOT GUARANTEE THAT ALL UTILITIES ARE SHOWN OR THEIR LOCATIONS ARE DEFINITE. 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.

TITLE REPORT NOTE

THIS MAP WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. THIS MAP IS SUBJECT TO ALL LEGAL EASEMENTS AND RIGHTS-OF-WAY, PUBLIC OR PRIVATE, THAT WOULD BE DISCLOSED IN SUCH TITLE REPORT.

LESSOR'S LEGAL DESCRIPTION

TO BE PROVIDED BY TITLE.

VERIZON PREMISES LEGAL DESCRIPTION

A PORTION OF LOT 12 OF "COYOTE NORTH BUSINESS PARK SUBDIVISION - UPDATE" ALLOTMENT NO. 143.T2103A, LOCATED ON THE RESERVATION LAND OF CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID LOT 12, FROM WHICH THE SOUTHWEST CORNER BEARS SOUTH 00°55'59" EAST, 155.00 FEET;

THENCE FROM SAID POINT OF COMMENCEMENT SOUTH 50°17'49" EAST, 7.75 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89°30'01" EAST, 50.00 FEET; THENCE SOUTH 00°29'59" EAST, 50.00 FEET; THENCE SOUTH 89°30'01" WEST, 50.00 FEET; THENCE NORTH 00°29'59" WEST, 50.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 2500 SQUARE FEET (0.057 ACRES) OF LAND, MORE OR LESS.

ACCESS, FIBER AND UTILITY EASEMENT LEGAL DESCRIPTION

A PORTION OF LOT 12 OF "COYOTE NORTH BUSINESS PARK SUBDIVISION - UPDATE" ALLOTMENT NO. 143.T2103A, LOCATED ON THE RESERVATION LAND OF CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

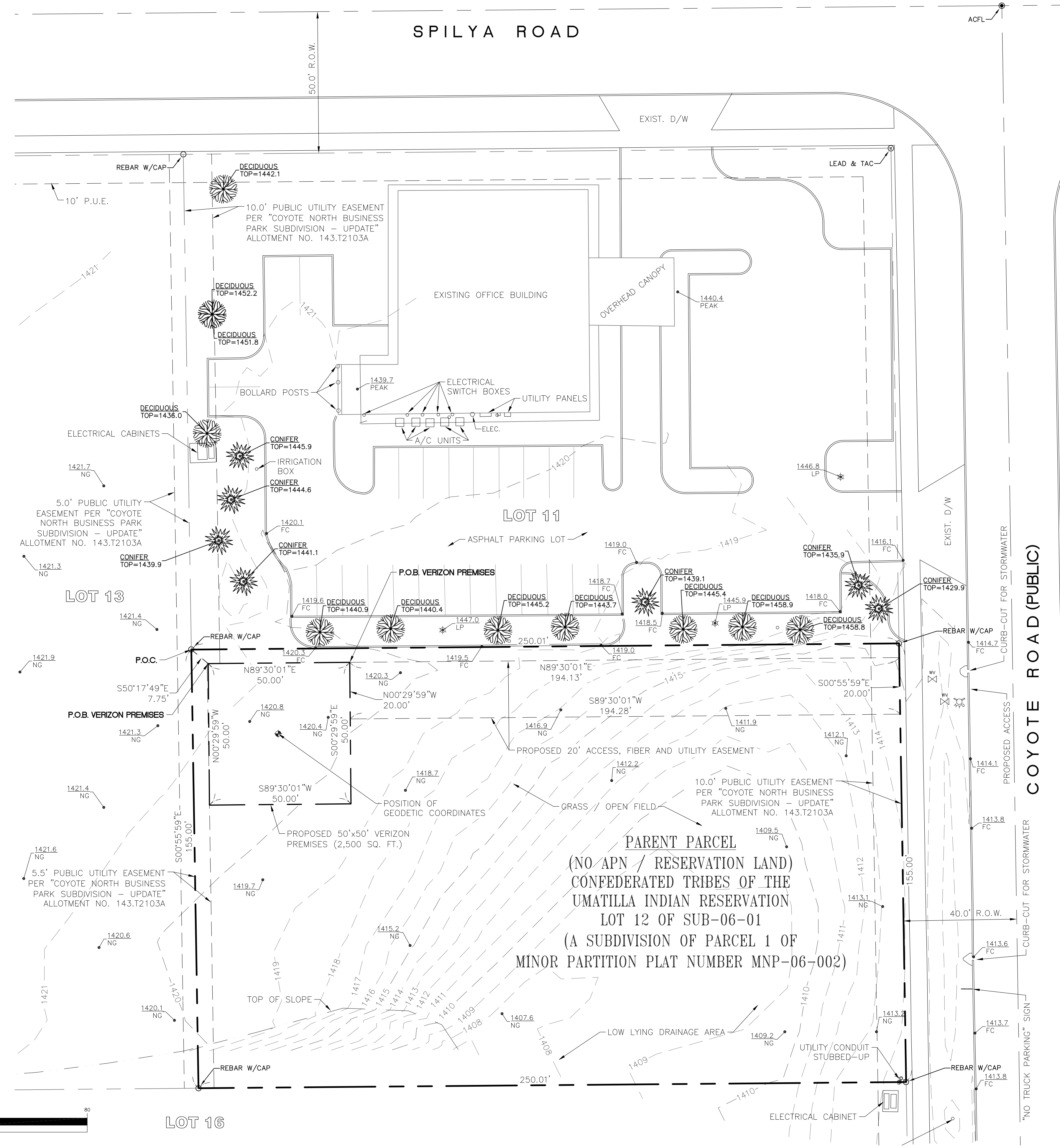
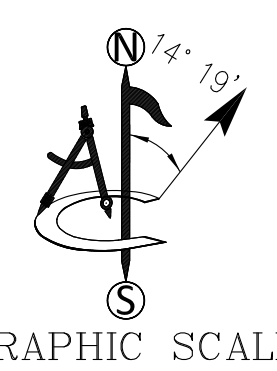
COMMENCING AT THE NORTHWEST CORNER OF SAID LOT 12, FROM WHICH THE SOUTHWEST CORNER BEARS SOUTH 00°55'59" EAST, 155.00 FEET;

THENCE FROM SAID POINT OF COMMENCEMENT SOUTH 50°17'49" EAST, 7.75 FEET; THENCE NORTH 89°30'01" EAST, 50.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 89°30'01" EAST, 194.13 FEET TO A POINT ON THE WESTERLY RIGHT OF WAY OF COYOTE ROAD; THENCE SOUTH 00°55'59" EAST ALONG SAID RIGHT OF WAY, 20.00 FEET; THENCE DEPARTING SAID RIGHT OF WAY SOUTH 89°30'01" WEST, 194.28 FEET; THENCE NORTH 00°29'59" WEST, 20.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 3884 SQUARE FEET (0.089 ACRES) OF LAND, MORE OR LESS.

LEGEND

| | | | |
|--------|------------------------|---|----------------------------------|
| D/W | ACCESS DRIVEWAY | ● | AS NOTED |
| FC | FACE OF CURB | ⊛ | FIRE HYDRANT |
| LP | LIGHT POLE | ⊙ | LIGHT POLE |
| NG | NATURAL GRADE | ⊛ | POSITION OF GEODETIC COORDINATES |
| R.O.W. | RIGHT OF WAY | ⊙ | SPOT ELEVATION |
| P.O.C. | POINT OF COMMENCEMENT | ⊙ | WATER CONTROL VALVE |
| P.O.B. | POINT OF BEGINNING | ⊙ | |
| P.O.T. | POINT OF TERMINUS | ⊙ | |
| 🌳 | TREES | | |
| 🌲 | PINE TREES | | |
| --- | CURBLINES | | |
| --- | STREET CENTERLINES | | |
| --- | SUBJECT PROPERTY LINE | | |
| --- | ADJACENT PROPERTY LINE | | |
| --- | EASEMENT LINES | | |
| --- | TIE LINES | | |
| --- | LEASE AREA LIMITS | | |
| --- | MAJOR CONTOUR INTERVAL | | |
| --- | MINOR CONTOUR INTERVAL | | |



verizon
 5430 NE 122ND AVE.
 PORTLAND, OR 97230

PROJECT INFORMATION:
OR3 - WILDHORSE
 72556 COYOTE ROAD
 PENDLETON, OR 97801
 UMATILLA COUNTY

ORIGINAL ISSUE DATE:
 03/25/19

REV.: - DATE: - DESCRIPTION: - BY: -

| | | | |
|---|----------|---------------|----|
| A | 03/25/19 | INITIAL ISSUE | RC |
| 0 | 01/18/23 | LEGALS | CK |

PLANS PREPARED BY:

 acom CONSULTING INC.

CONSULTANT:

 ambit consulting

245 SAINT HELENS AVE.
 SUITE 3A
 TACOMA, WASHINGTON 98402
 PH. (253) 572-9181
 www.ambitconsulting.us

DRAWN BY: _____ CHK.: _____ APV.: _____

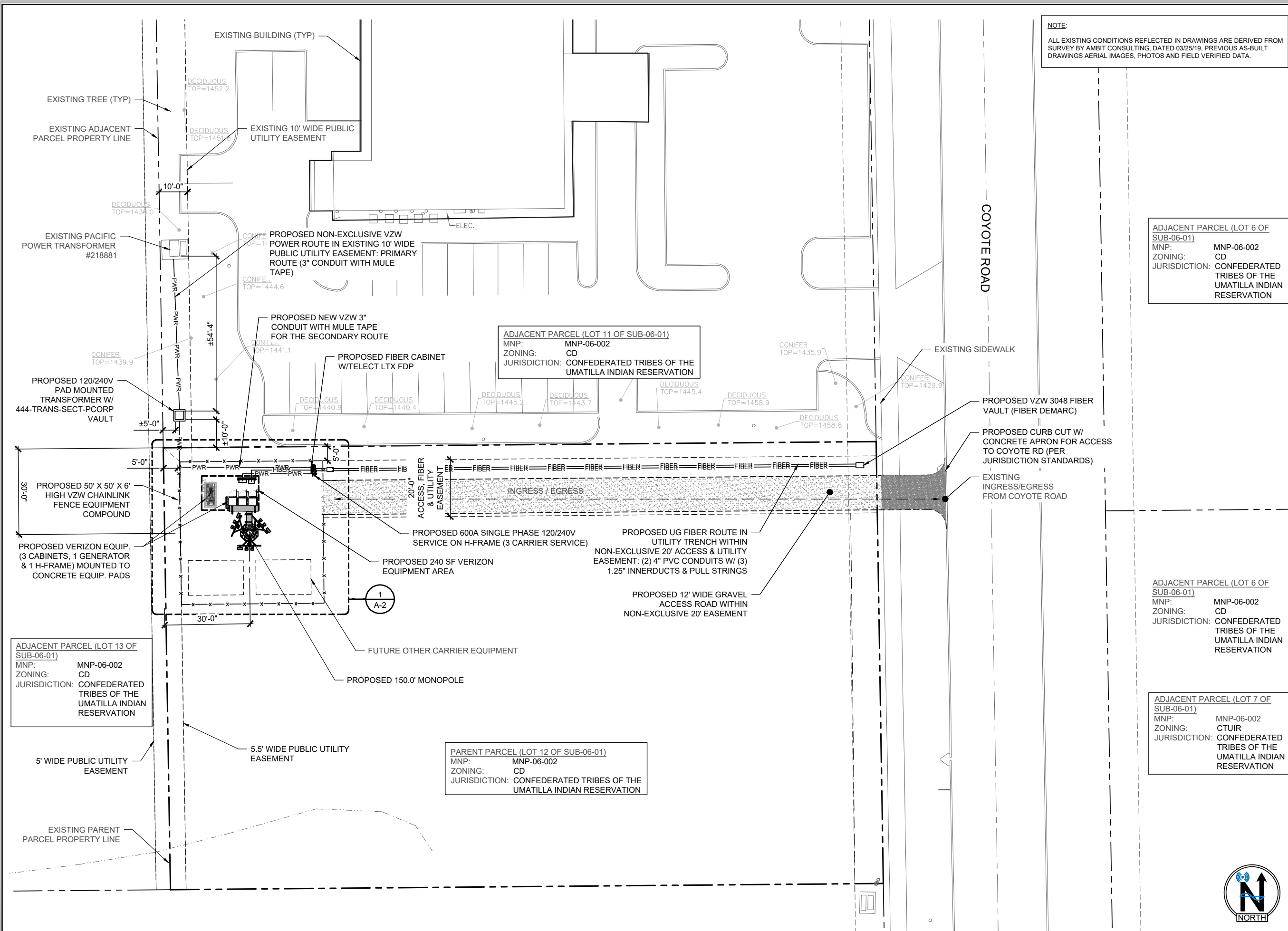
| | | |
|----|----|----|
| RC | NS | SR |
|----|----|----|

LICENSER: _____

PRELIMINARY

SHEET TITLE:
 SITE SURVEY

SHEET NUMBER:
 LS-1



NOTE:
 ALL EXISTING CONDITIONS REFLECTED IN DRAWINGS ARE DERIVED FROM SURVEY BY AMBIT CONSULTING, DATED 03/25/19, PREVIOUS AS-BUILT DRAWINGS AERIAL IMAGES, PHOTOS AND FIELD VERIFIED DATA.

ADJACENT PARCEL (LOT 6 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CD
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

ADJACENT PARCEL (LOT 11 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CD
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

ADJACENT PARCEL (LOT 13 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CD
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

PARENT PARCEL (LOT 12 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CD
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

ADJACENT PARCEL (LOT 6 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CD
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

ADJACENT PARCEL (LOT 7 OF SUB-06-01)
 MNP: MNP-06-002
 ZONING: CTUIR
 JURISDICTION: CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

PRELIMINARY DRAWINGS
 NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
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| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:

A&E CONSULTANT:

SITE ACQUISITION AND PERMITTING:

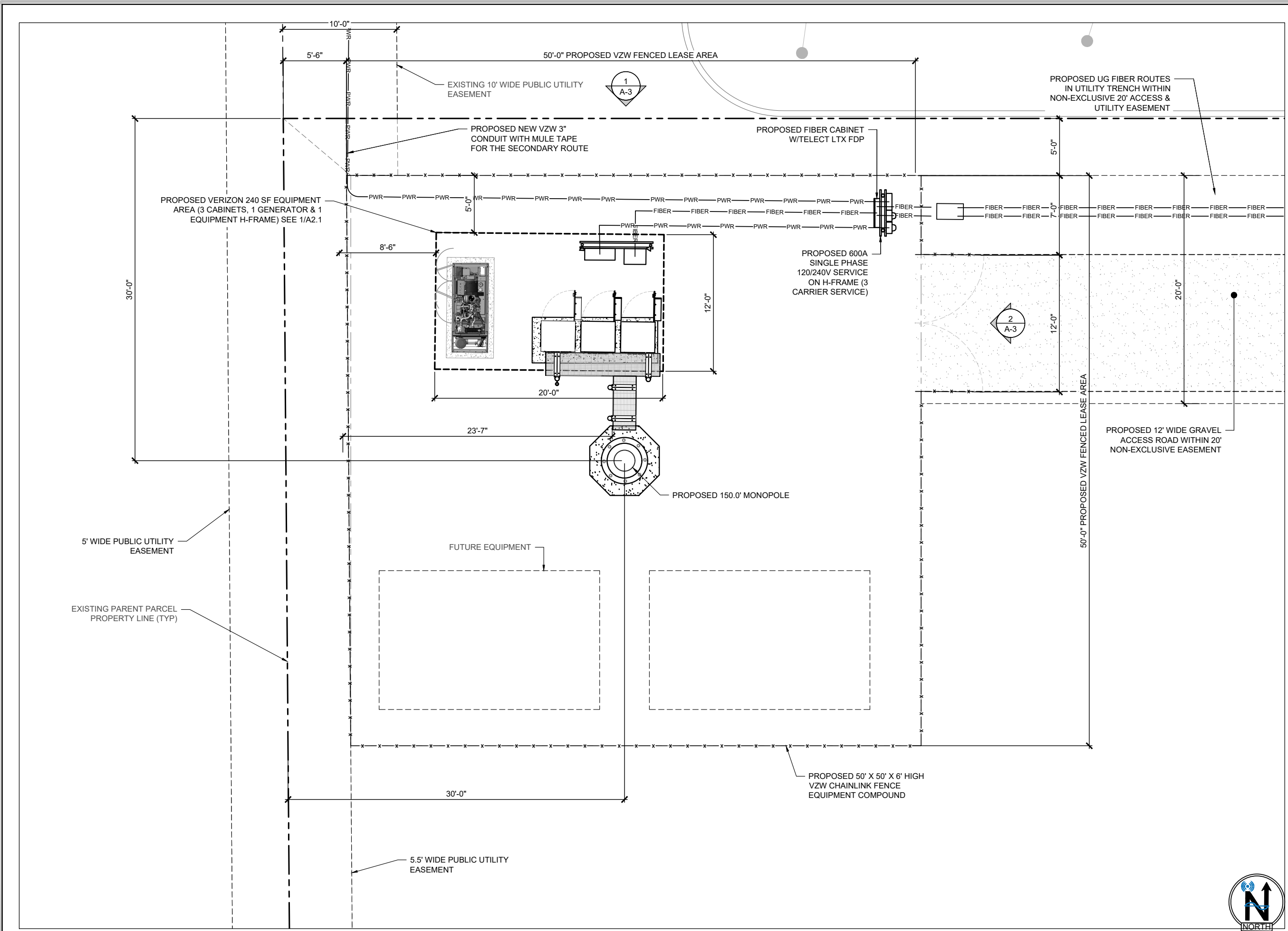
OR3 WILDHORSE
 72544 COYOTE ROAD
 PENDLETON, OREGON 97801

PROPOSED
 OVERALL
 SITE PLAN

A-1

22"x34" SCALE: 1" = 100'-0"
 11"x17" SCALE: 1" = 200'-0"





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| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:

A&E CONSULTANT:

SITE ACQUISITION AND PERMITTING:

OR3 WILDHORSE
72544 COYOTE ROAD
PENDLETON, OREGON 97801

PROPOSED ENLARGED
SITE PLAN

A-2

22"x34" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"



PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

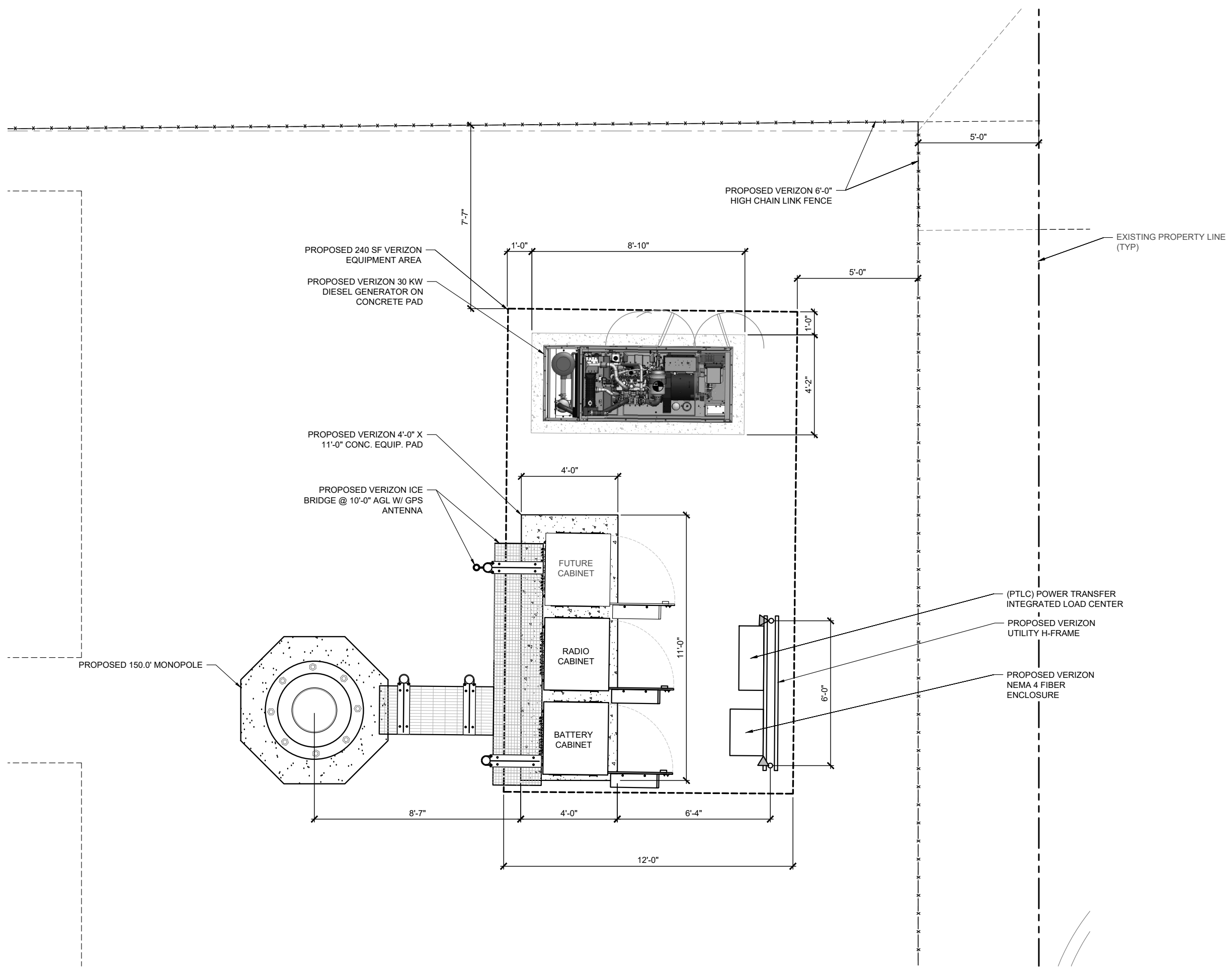
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| J | 01/20/23 | KM | 90% PCD REVIEW |



**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

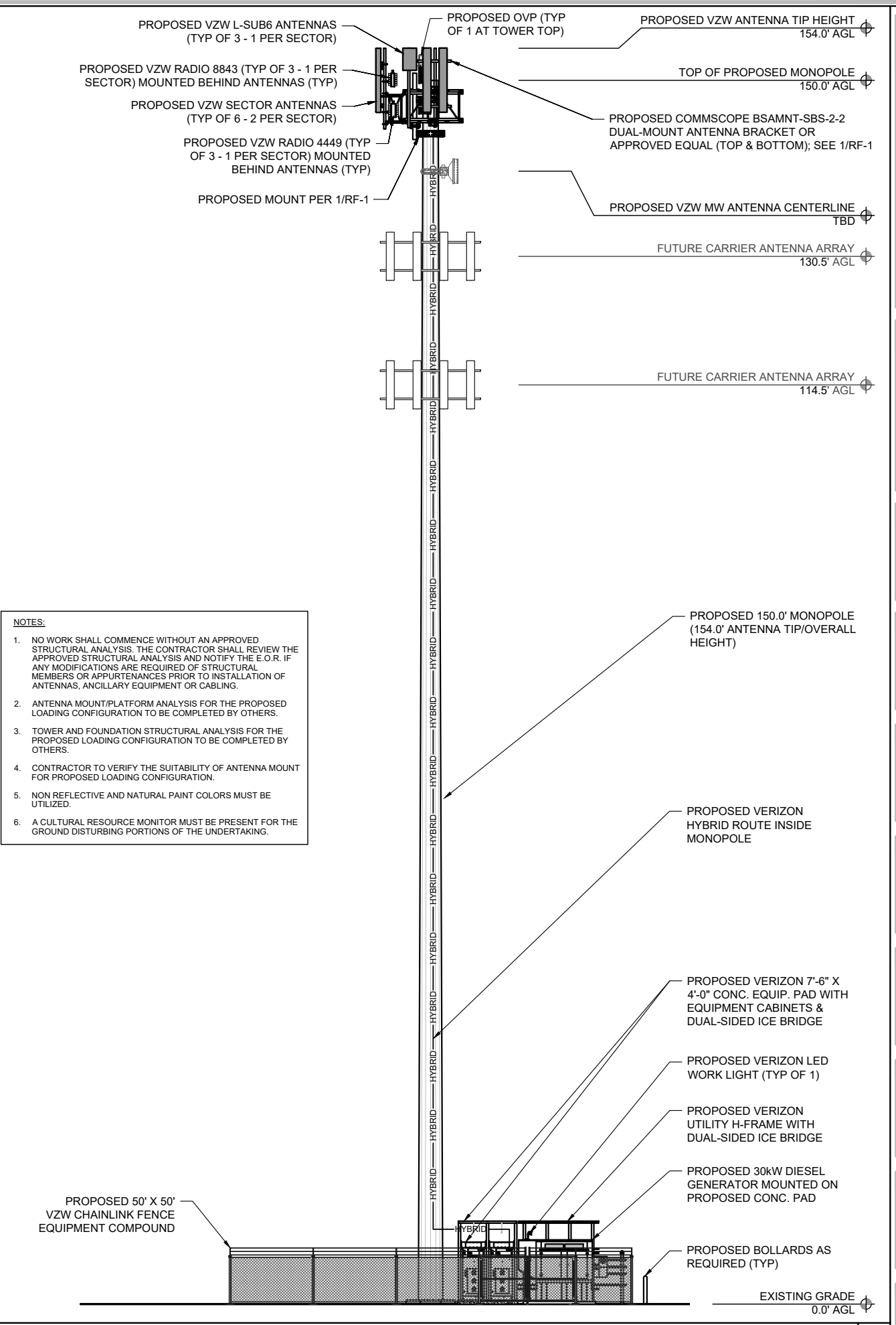
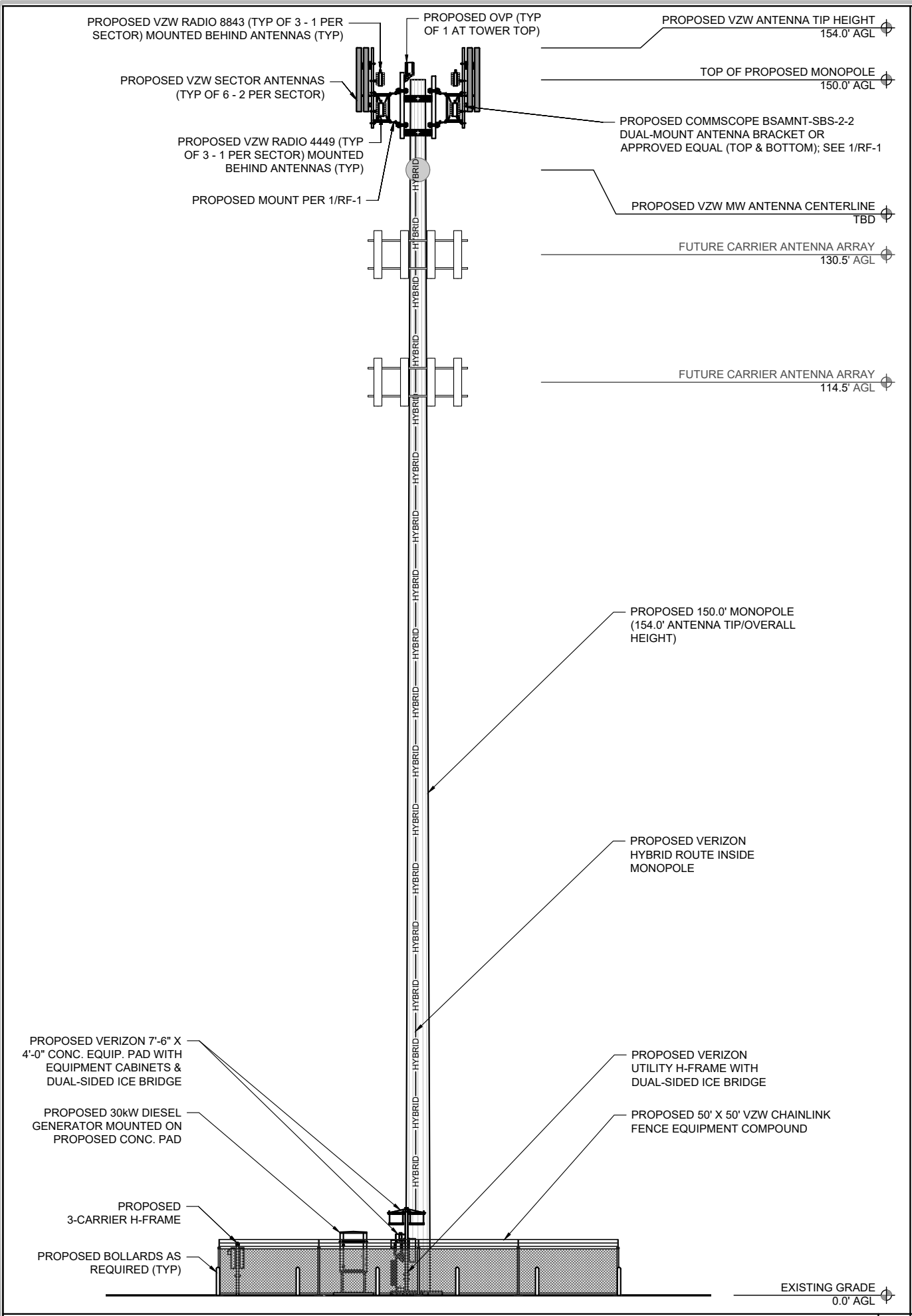
**PROPOSED
EQUIPMENT PLAN**

A-2.1



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





- NOTES:**
- NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
 - ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
 - TOWER AND FOUNDATION STRUCTURAL ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
 - CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.
 - NON REFLECTIVE AND NATURAL PAINT COLORS MUST BE UTILIZED.
 - A CULTURAL RESOURCE MONITOR MUST BE PRESENT FOR THE GROUND DISTURBING PORTIONS OF THE UNDERTAKING.

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

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| F | 10/06/22 | RM | 90% PCD REVIEW |
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| J | 01/20/23 | KM | 90% PCD REVIEW |



OR3 WILDHORSE
72544 COYOTE ROAD
PENDLETON, OREGON 97801

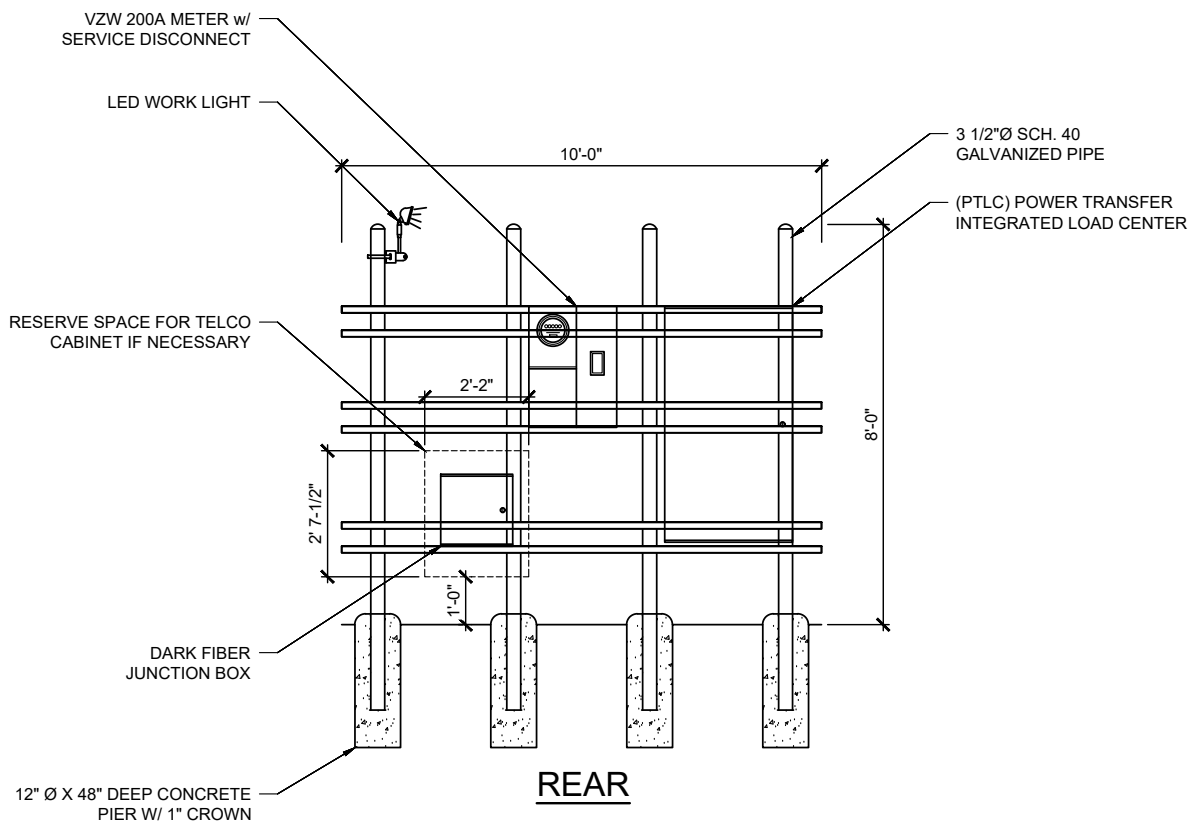
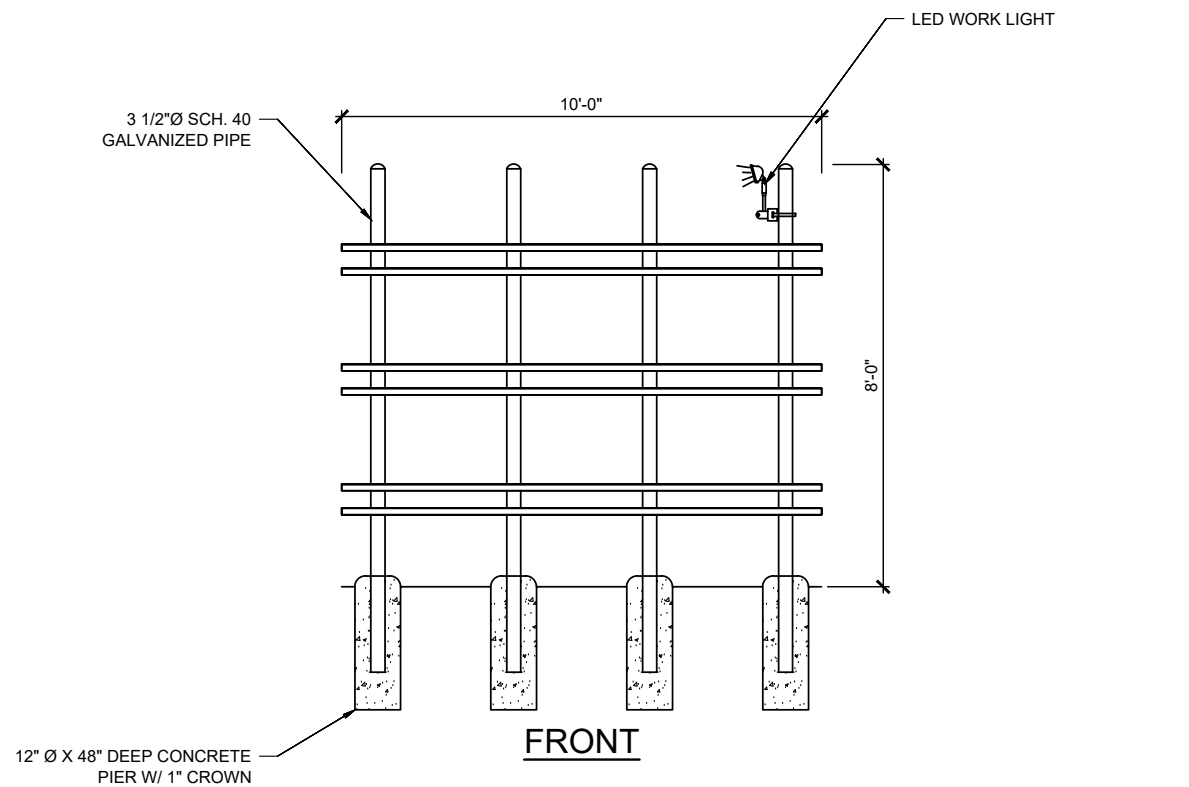
ELEVATIONS

A-3

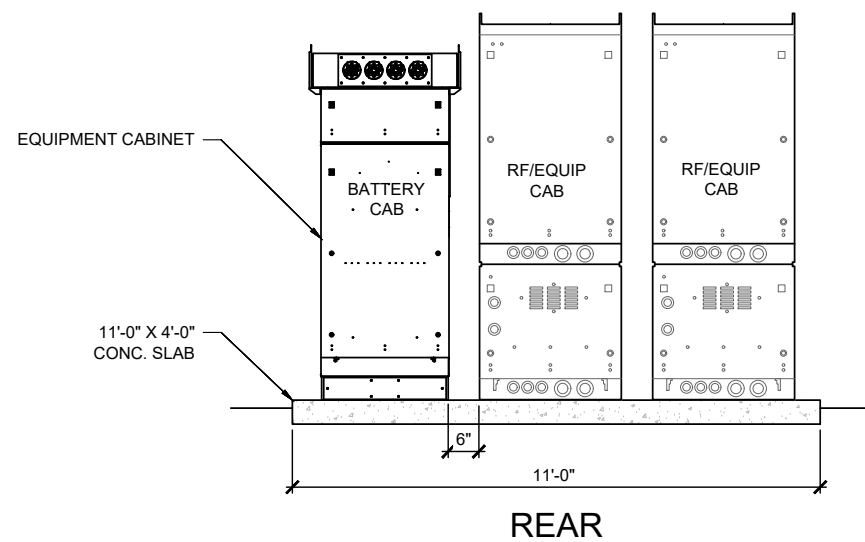
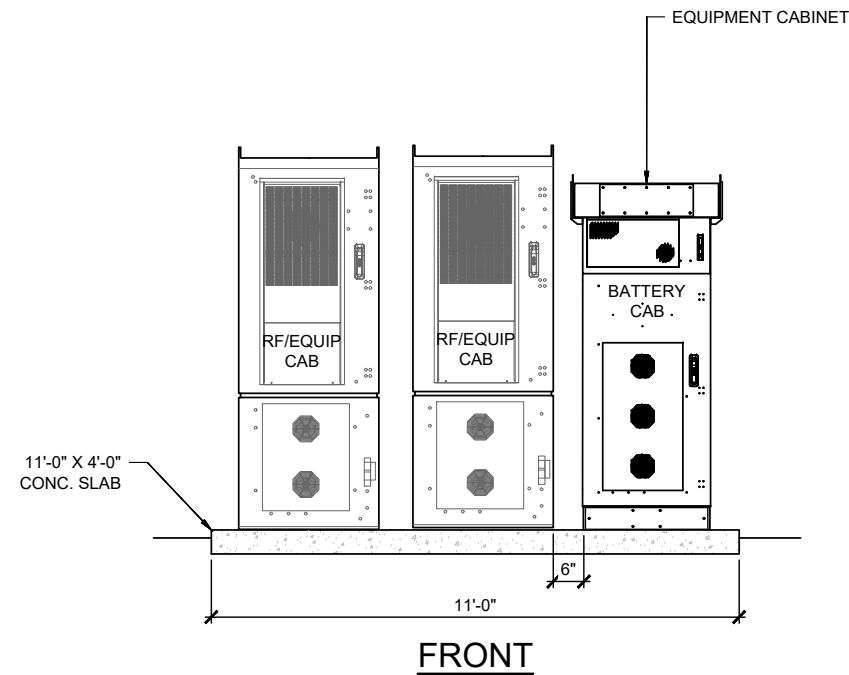
22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



NOTE:
CONTRACTOR TO VERIFY EQUIPMENT SPECIFICATIONS PRIOR TO H-FRAME MATERIALS PROCUREMENT; ALL H-FRAME MOUNTED EQUIPMENT TO BE MOUNTED PER MANUFACTURER SPECIFICATIONS.



NOTE:
• USE 3" CONDUITS BETWEEN CABINET FRAMES.
• ALL CONDUIT TO/FROM ANY BATTERY CABINET MUST BE SEALED TO PREVENT BATTERY GAS PENETRATION INTO ADJACENT CABINETS.



PRELIMINARY DRAWINGS
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| J | 01/20/23 | KM | 90% PCD REVIEW |



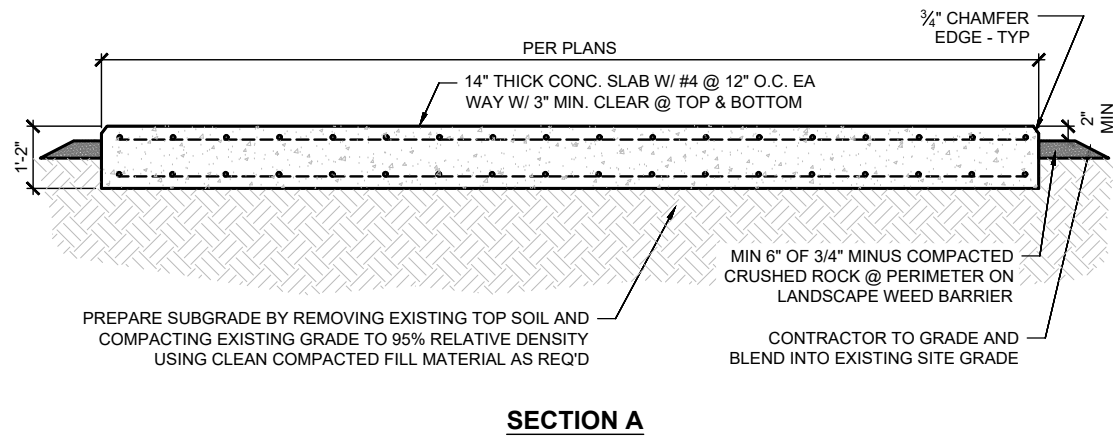
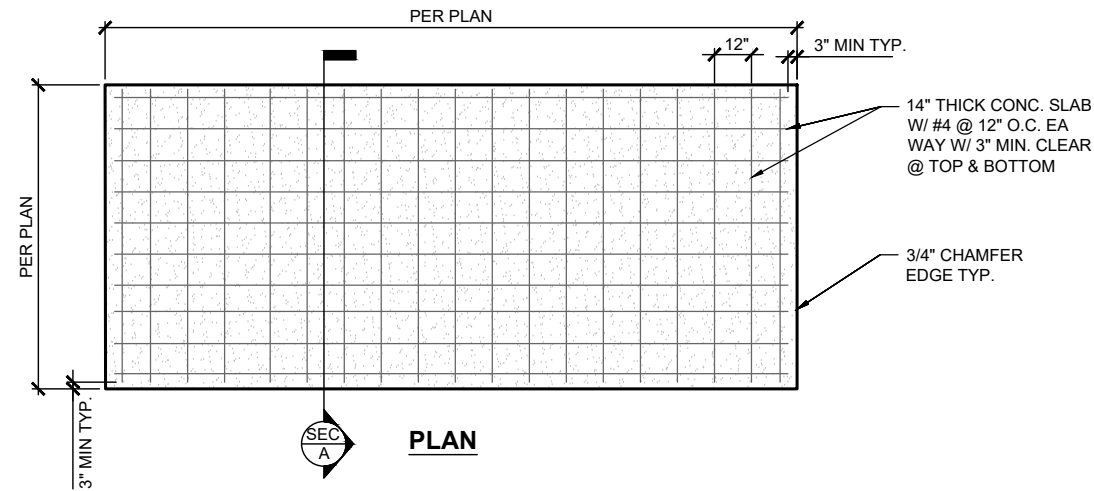
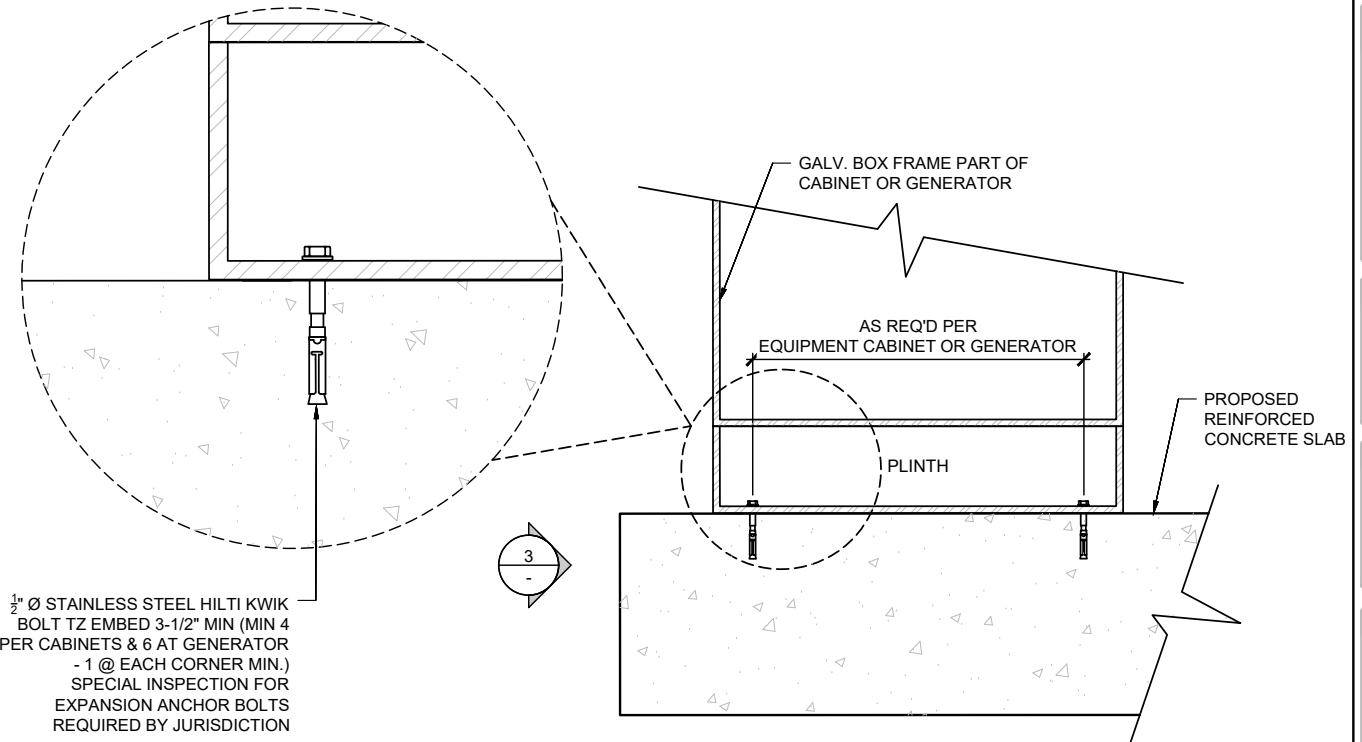
OR3 WILDHORSE
72544 COYOTE ROAD
PENDLETON, OREGON 97801

CONSTRUCTION
DETAILS

A-4

SPECIAL INSPECTION

- CONTRACTOR SHALL PROVIDE REQUIRED SPECIAL INSPECTIONS PERFORMED BY AN INDEPENDENT INSPECTOR, APPROVED BY CARRIER AND THE GOVERNING JURISDICTION, AS REQUIRED BY CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE FOLLOWING:
 - PERIODIC FOR HIGH STRENGTH BOLT INSTALLATIONS (IF UTILIZED)
 - PERIODIC FOR POST-INSTALLED ANCHORS IN HARDENED CONCRETE
 - CONTINUOUS FOR FIELD WELDING (IF UTILIZED)
 - PERIODIC FOR FOUNDATION SUBGRADE PREPARATION
- PROVIDE SPECIAL INSPECTIONS FOR OTHER ITEMS NOTED ON DRAWINGS TO CONFIRM COMPLIANCE WITH CONTRACT DOCUMENTS.
- STEEL FABRICATION SHALL BE DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
- SPECIAL INSPECTION IS NOT REQUIRED FOR WORK OF A MINOR NATURE OR AS WARRANTED BY CONDITIONS IN THE JURISDICTION AS APPROVED BY THE BUILDING OFFICIAL. THUS, SPECIAL INSPECTION ITEMS ABOVE MAY BE WAIVED AS DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THE REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL.
- STRUCTURAL OBSERVATION NOT REQUIRED.

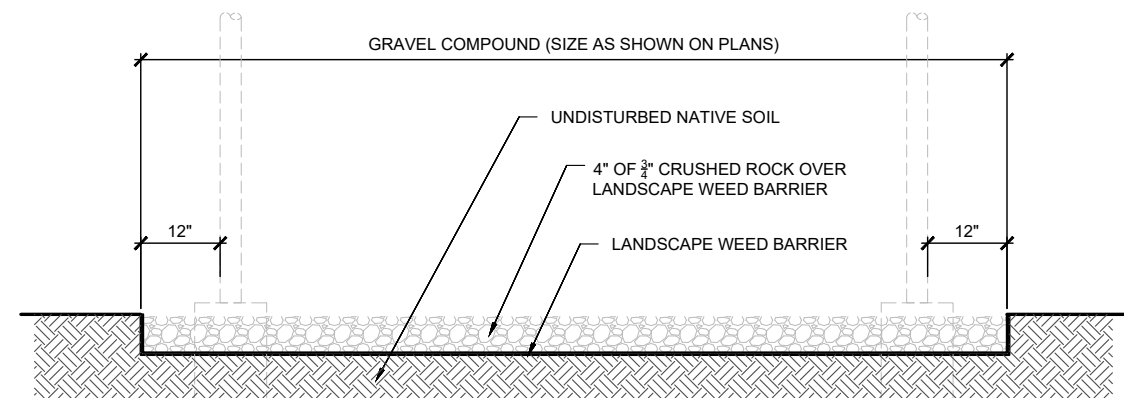


22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

TYPICAL CONCRETE PAD DETAIL & SECTION 1

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

SECTION VIEW 2



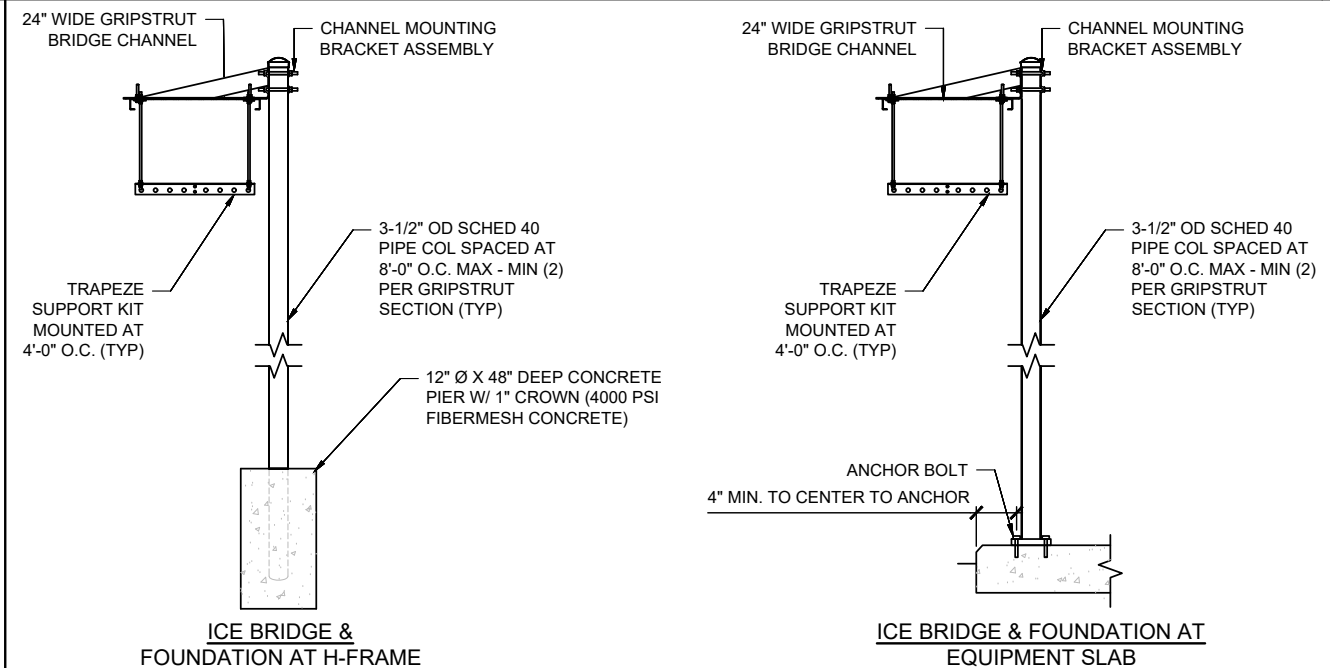
NOTES:

- GRAVEL AND LANDSCAPE WEED BARRIER TO COVER ENTIRE LEASE AREA.
- IF FENCED, GRAVEL AND LANDSCAPE WEED BARRIER TO EXTEND 12" BEYOND FENCE.
- WEED BARRIER SHALL BE MIRAFI 140NC OR APPROVED EQUAL.

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

GRAVEL COMPOUND DETAIL Exhibit #3 - Page 10 of 31

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



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

ICE BRIDGE FOUNDATION DETAILS 6

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

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| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:

A&E CONSULTANT:

SITE ACQUISITION AND PERMITTING:

OR3
WILDHORSE

72544 COYOTE ROAD
PENDLETON, OREGON 97801

FOUNDATION
DETAILS

A-5

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
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| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:



A&E CONSULTANT:



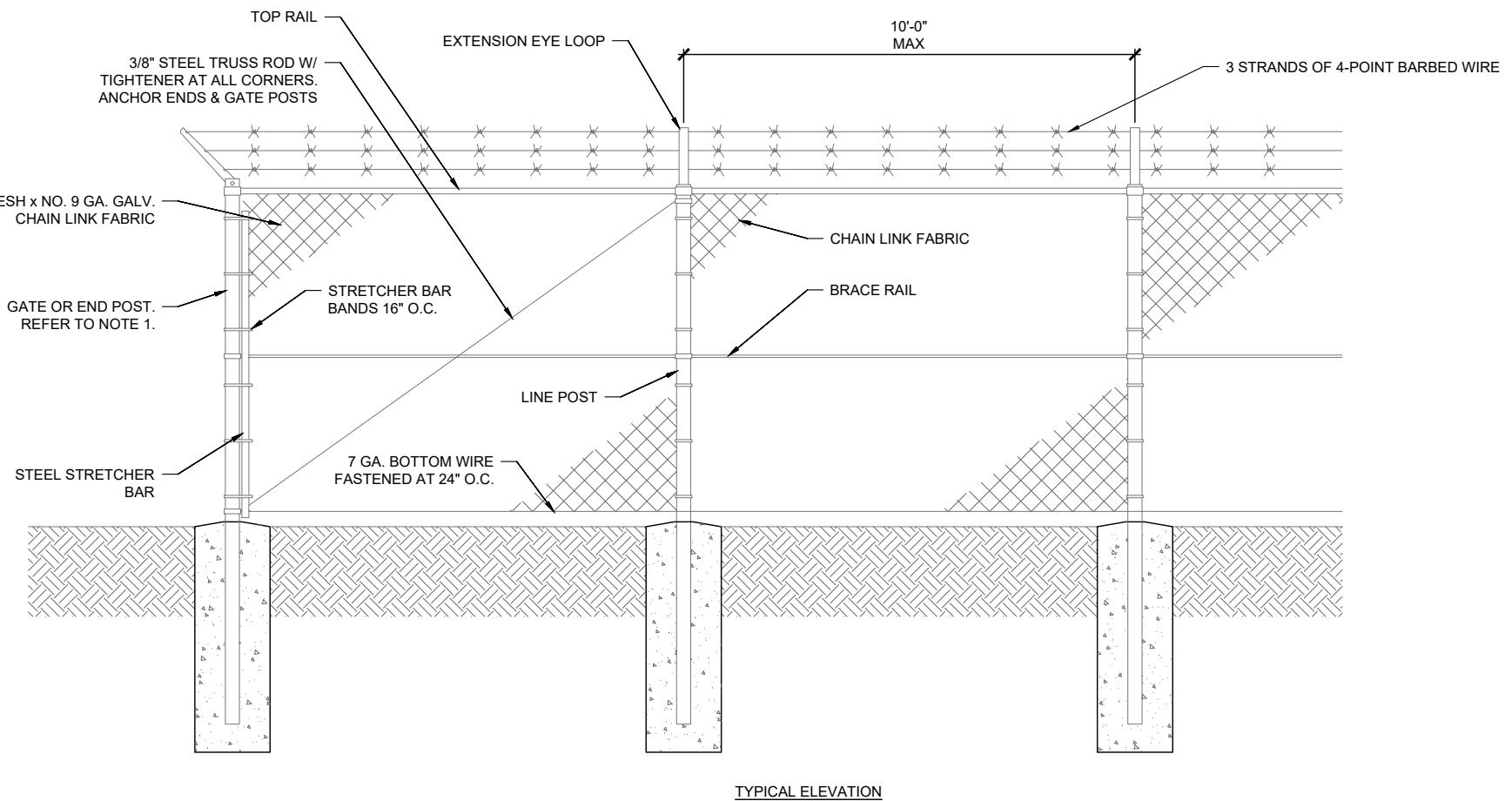
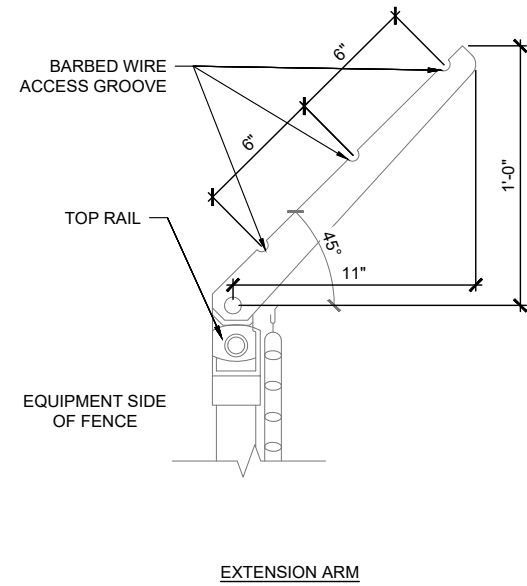
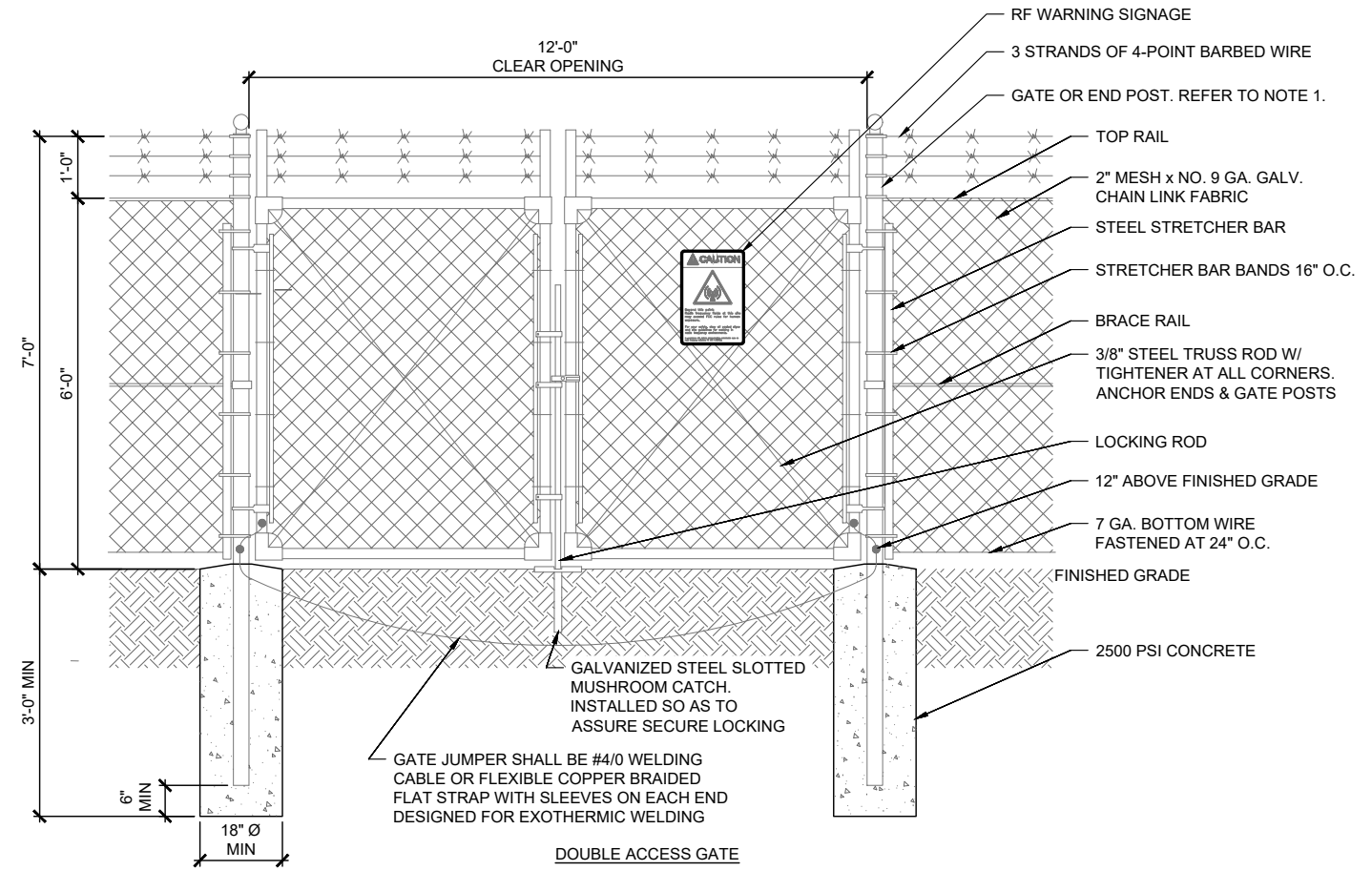
SITE ACQUISITION AND PERMITTING:




**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

**FENCE
DETAILS**

A-6



- NOTE:**
1. ALL CORNER POSTS SHALL HAVE BARBED WIRE/ARMS LEANING OUT
 2. ALL CENTRAL DROP BAR ASSEMBLIES SHALL HAVE AN ALUMINUM TYPE MUSHROOM HEAD, PART #15911 MANUFACTURED BY MASTER HALCO, INC OR APPROVED EQUAL. THE MUSHROOM SHALL BE EMBEDDED INTO FOUNDATION CONCRETE AS SHOWN
 3. ALL STEEL MATERIAL SHALL BE HOT-DIPPED GALVANIZED AND CONFORM TO FEDERAL SPECIFICATIONS RR-F 191. FENCING WIRE AND POST METAL (GATES, CHAIN LINK FENCE FABRIC AND ACCESSORIES)
 4. GATE HINGE BOLTS SHALL HAVE THEIR THREADS PEENED OR WELDED TO PREVENT UNAUTHORIZED REMOVAL

| WEIGHT DATA WITH FULL BASE TANK (SEE NOTE 5) | |
|---|----------|
| GENERATOR AS SHOWN | 3046 LBS |

| MANUFACTURER'S SPECIFICATIONS | |
|-------------------------------|------------------------------------|
| MANUFACTURER | GENERAC |
| DIMENSIONS | 94.8" x 38.0" x 100.0" (L x W x H) |
| POWER | STANDBY Kw (Hz): 30 (60) |
| FUEL | DIESEL (210 GAL TANK) |
| TOTAL WEIGHT (WET) | 3046 LBS |
| NOISE DATA | 65 dB @ 23' |

FUEL TANK NOTES:

VERIZON WIRELESS FUEL TANKS WITH SECONDARY CONTAINMENT

SUB BASE TANK TESTING:

PRIMARY TANK AND SECONDARY CONTAINMENT BASIN SECTIONS SHALL BE PRESSURIZED AT 5 PSI AND LEAK-CHECKED TO ENSURE INTEGRITY OF SUB BASE WELDED SEAMS PER UL 142 STANDARDS

FUEL CONTAINMENT BASIN (WHEN REQ'D)

SUB BASE TANK SHALL INCLUDE A WELDED STEEL CONTAINMENT BASE, SIZED AT A MINIMUM OF 125% OF THE TANK CAPACITY TO REVENT ESCAPE OF FUEL INTO THE ENVIRONMENT IN THE EVENT OF A TANK RUPTURE

LEAK DETECTION SYSTEM:

A FUEL CONTAINMENT BASIN LEAK DETECTOR IS SUPPLIED AND WIRED FOR ALARM CONDITION VISABLE FROM GENERATOR CONTROL PANEL. A REMOTE ALARM IS ALSO PROVIDED FOR REMOTE MONITORING

SUB BASE TANK VENTING:

NORMAL AND EMERGENCY VENTING: NORMAL AND EMERGENCY VENTING SHALL BE SIZED PER UL 142 SPECIFICATION FOR WETTED SURFACE AREA OF TANK

DIESEL STORAGE NOTES:

UL 142 LISTED DOUBLE WALL SECONDARY CONTAINMENT TANK)

DIESEL FUEL IS A CLASS II COMBUSTIBLE HAZARD

VISIBLE HAZARD IDENTIFICATION SIGNS SHALL BE PLACED ON STATIONARY ABOVE GROUND TANKS AND AT ENTRANCES TO THE LOCATIONS WHERE HAZARDOUS MATERIALS ARE STORED, DISPENSED, USED OR HANDLED. SIGNS SHALL BE PROVIDED AT SPECIFIC ENTRANCES AND LOCATIONS AS DESIGNATED BY THE FIRE MARSHALL

IN ADDITION TO THE HAZARD IDENTIFICATION SIGNS REQUIRED BY LOCAL AND STATE CODES, ADDITIONAL HAZARD IDENTIFICATION AND WARNING SIGNS SHALL BE PROVIDED AS FOLLOWS:

STATIONARY CONTAINERS AND TANKS SHALL BE PLACARDED WITH HAZARDOUS IDENTIFICATION SIGNS FOR THE SPECIFIC MATERIAL CONTAINED SIGNS PROHIBITING SMOKING SHALL BE PROVIDED IN THE FOLLOWING SITUATIONS: IN ROOMS OR AREAS WHERE HAZARDOUS MATERIALS ARE STORED, DISPENSED OR USED IN OPEN SYSTEMS WITHIN 25FT OF OUTDOOR STORAGE, DISPENSING OR OPEN USE AREAS. SIGNS SHALL NOT BE OBLSCURED OR REMOVED. SIGNS SHALL BE IN ENGLISH AS THE PRIMARY LANGUAGE OR IN SYMBOLS ALLOWED BY LOCAL AND STATE CODES. SIGNS SHALL BE ALUMINUM WITH RED 3" LETTERS WITH 1/2" STROKE IN ACCORDANCE WITH RECOGNIZED STANDARDS

SPECIAL FIRE EXTINGUISHERS SHALL BE PROVIDED AS DETERMINED BY THE FIRE MARSHALL

SPILL CONTROL AND SECONDARY CONTAINMENT SHALL BE PROVIDED IN ACCORDANCE TO LOCAL AND STATE FIRE CODES

STYLE: WARNING SIGNS SHALL BE ALUMINUM WITH RED LETTERING ON A WHITE BACKGROUND AND SHALL READ, "DANGER - FLAMMABLE LIQUIDS". LETTERS SHALL NOT BE LESS THAN 3" IN HEIGHT AND 1/2" IN STROKE.

NORMAL AND EMERGENCY VENTING FOR UNPROTECTED ABOVE GROUND TANKS SHALL BE PROVIDED IN ACCORDANCE TO LORAL AND STATE FIRE CODES

FLAME ARRESTORS: APPROVED FLAME ARRESTORS OR PRESSURE VACUUM BREATHER VALVES SHALL BE INSTALLED IN NORMAL VENTS

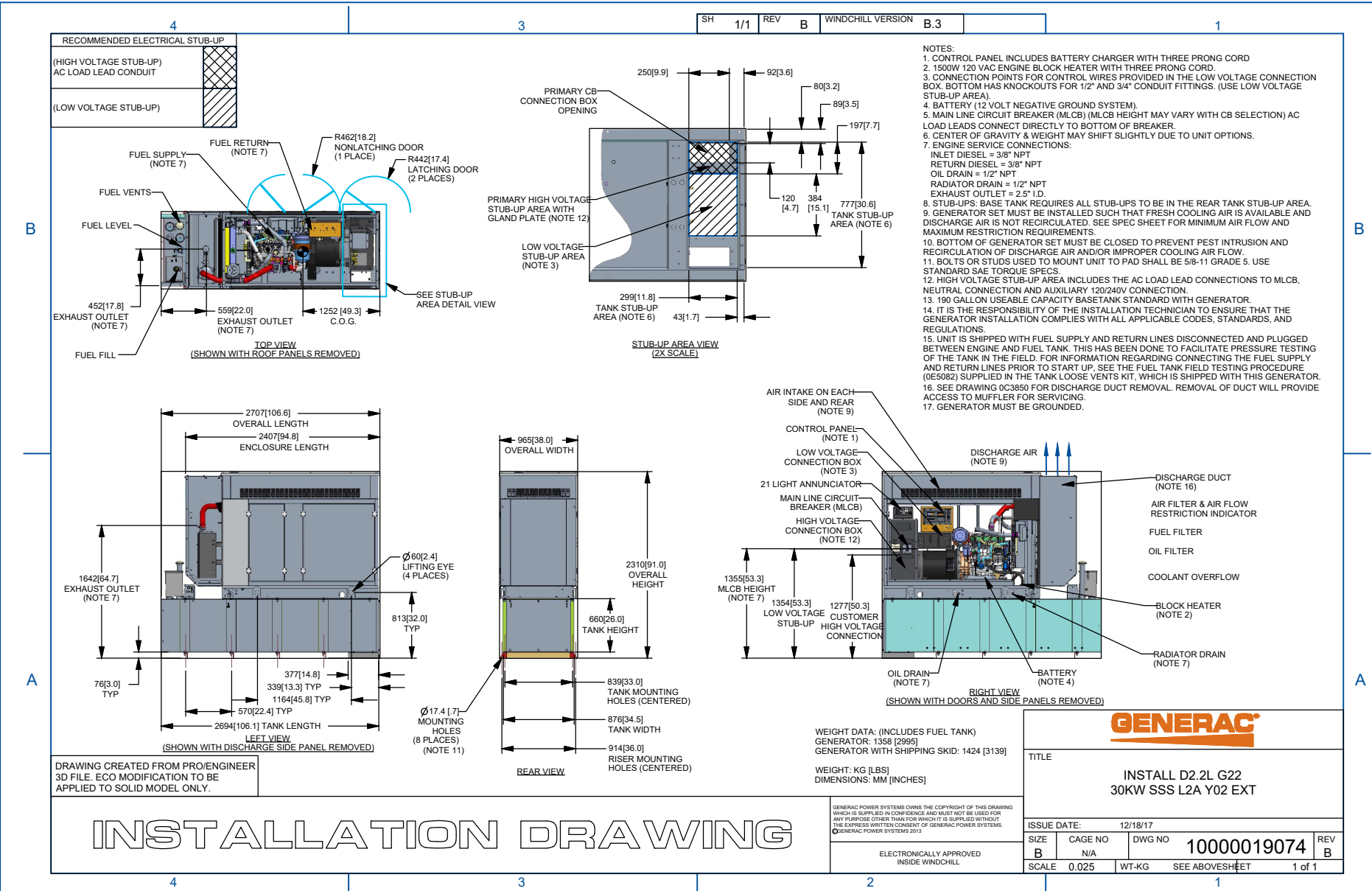
SECONDARY CONTAINMENT: PROTECTED ABOVE GROUND TANKS SHALL BE PROVIDED WITH SECONDARY CONTAINMENT, DRAINAGE CONTROL OR DIKING IN ACCORDANCE WITH LOCAL AND STATE FIRE CODES

NOTE:
CONTRACTOR SHALL PROVIDE A 5 GAL DIESEL SPILL BOX TO CONTAIN FUEL SPILLS AND/OR OVER FUELING. CONTRACTOR SHALL PROVIDE MANUFACTURERS EXTERNAL EMERGENCY STOP BUTTON ON GENERATOR.

NOTES:

1. REFERENCE MANUFACTURER BASE DRAWING: 30KW ENCLOSED 203 GAL (DRAWING #: ADV-8855)
2. WEIGHT INCLUDES THE GENERATOR SET (WET), ENCLOSURE, SILENCER AND TANK (NO FUEL)
3. VERIZON WIRELESS SHALL UTILIZE ALL INTERNATIONAL FIRE CODE (IFC) FUEL CONTAINMENT MEASURES SUCH AS ENGINE FLUID CONTAINMENT, ALARMS ON ALL GENERATOR LIQUIDS AND DOUBLE WALL FUEL TANKS.
4. GENERATOR MUST BE SCHEDULED TO COMPLETE MAINTENANCE OPERATION DURING DAYTIME HOURS
5. SOUND LEVEL 64dB @ 23FT
6. FUEL TANK LISTED TO UL142

- NOTES:
1. CONTROL PANEL INCLUDES BATTERY CHARGER WITH THREE PRONG CORD
 2. 1500W 120 VAC ENGINE BLOCK HEATER WITH THREE PRONG CORD.
 3. CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX BOTTOM HAS KNOCKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS. (USE LOW VOLTAGE STUB-UP AREA)
 4. BATTERY (12 VOLT NEGATIVE GROUND SYSTEM)
 5. MAIN LINE CIRCUIT BREAKER (MLCB) (MLCB HEIGHT MAY VARY WITH CB SELECTION) AC LOAD LEADS CONNECT DIRECTLY TO BOTTOM OF BREAKER.
 6. CENTER OF GRAVITY & WEIGHT MAY SHIFT SLIGHTLY DUE TO UNIT OPTIONS.
 7. ENGINE SERVICE CONNECTIONS:
INLET DIESEL = 3/8" NPT
RETURN DIESEL = 3/8" NPT
OIL DRAIN = 1/2" NPT
RADIATOR DRAIN = 1/2" NPT
EXHAUST OUTLET = 2.5" I.D.
 8. STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
 9. GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR IS NOT RECIRCULATED. SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
 10. BOTTOM OF GENERATOR SET MUST BE CLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
 11. BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8-11 GRADE 5. USE STANDARD SAE TORQUE SPECS.
 12. HIGH VOLTAGE STUB-UP AREA INCLUDES THE AC LOAD LEAD CONNECTIONS TO MLCB, NEUTRAL CONNECTION AND AUXILIARY 120/240V CONNECTION.
 13. 190 GALLON USEABLE CAPACITY BASE TANK STANDARD WITH GENERATOR.
 14. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE THAT THE GENERATOR INSTALLATION COMPLIES WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS.
 15. UNIT IS SHIPPED WITH FUEL SUPPLY AND RETURN LINES DISCONNECTED AND PLUGGED BETWEEN ENGINE AND FUEL TANK. THIS HAS BEEN DONE TO FACILITATE PRESSURE TESTING OF THE TANK IN THE FIELD. FOR INFORMATION REGARDING CONNECTING THE FUEL SUPPLY AND RETURN LINES PRIOR TO START UP, SEE THE FUEL TANK FIELD TESTING PROCEDURE (065082) SUPPLIED IN THE TANK LOOSE VENTS KIT, WHICH IS SHIPPED WITH THIS GENERATOR.
 16. SEE DRAWING 0C3850 FOR DISCHARGE DUCT REMOVAL. REMOVAL OF DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
 17. GENERATOR MUST BE GROUNDED.



INSTALLATION DRAWING

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

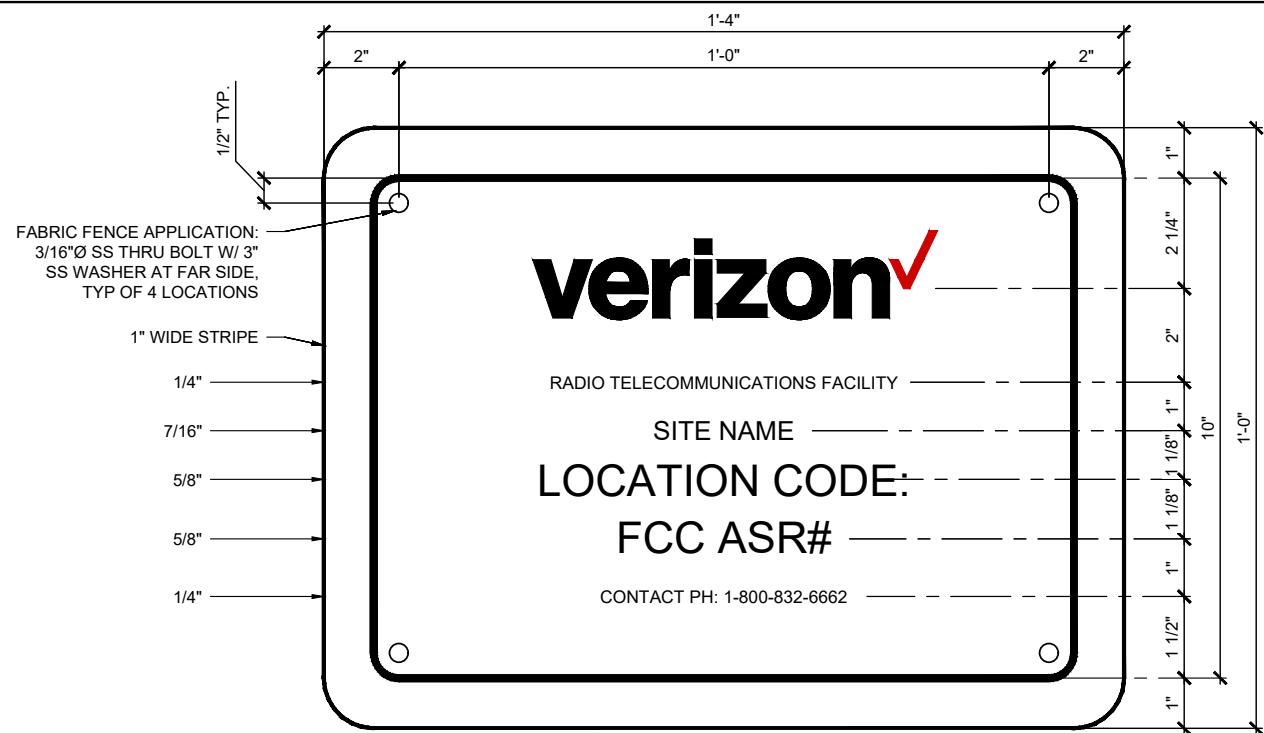
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GENERATOR SPECIFICATIONS

A-7



VERIZON SIGNAGE DETAIL
NOT TO SCALE



NO TRESPASSING SIGN
NOT TO SCALE

SIGNAGE NOTES:

- SIGNS & PLACEMENT**
 - LOW LEVEL (BLUE) WARNING SIGNS - PLACE AT SITE ENTRY/ACCESS POINTS ONLY:**

ROOF TOPS: PLACE SIGNS ON THE INSIDE OF ROOF HATCH; PLACE ON ACCESS DOOR UNLESS DOOR IS USED BY GENERAL PUBLIC OR BUILDING TENANTS REGULARLY FOR ACCESS - IN THESE CASES CONSULT CONSTRUCTION MANAGER OR QC SUPERVISOR.

WATER TANKS: PLACE SIGNS ON COMPOUND GATE.

VERIZON -OWNED SITES: PLACE ONE SIGN ON SITE GATE.
 - HIGH LEVEL (RED) CAUTION SIGNS - PLACE AT ALL ANTENNA SECTORS WHERE ACCESS BY THE GENERAL PUBLIC TO THE ANTENNAS IS POSSIBLE:**

ALL SIGNS WILL BE SECURED WITH EITHER STAINLESS STEEL ZIP TIES OR STAINLESS TECH SCREWS.
- CC PARTICIPATION IN SIGN LOCATION**

CM WILL MEET WITH ALL CC'S TO OUTLINE CRITERIA FOR SIGN PLACEMENT; EMPHASIS WILL BE ON 'GRAY AREA' SITES, WHERE SIGN PLACEMENT IS PARTICULARLY CHALLENGING - WE WILL GIVE CC'S AS MUCH GUIDANCE ON SPECIFIC SITUATIONS AS WE CAN FORESEE, BUT CC'S WILL BE ENCOURAGED TO PARTNER CM OR QC IN DECIDING PLACEMENT OF DIFFICULT SITES. A JOINT SITE VISIT MAY BE REQUIRED TO FULFILL REQUIREMENTS.

CC WILL CALL OUT SIGN LOCATION(S) AT THE A&E WALK FOR EACH SITE AS THOSE OCCUR.

ON SITES WITH EXISTING A&E BUT NOT YET CONSTRUCTED, CC WILL BE ASKED TO PROVIDE (WITHIN A REASONABLE TIME FRAME TBD) A DETAIL FOR SIGN PLACEMENT THAT WILL BE SLIP-SHEETED INTO EXISTING SETS.
- SIGN DISBURSEMENT FROM WAREHOUSE**

SIGNS WILL BE IN STACK AT KENT WAREHOUSE TO BE DISBURSED AS PART OF THE GC BOM AS CALLED OUT IN A&E DRAWINGS FOR EACH SITE
- SIGN DESIGN STANDARDS**

INSTALL PER MANUFACTURER SPECIFICATIONS, FCC AND VERIZON WIRELESS GUIDELINES.

FOR VERIZON LOGO SEE VERIZON DESIGN SPECIFICATIONS (PROVIDED BY VERIZON).

ALL TEXT FONT IS ARIAL UNO.

CONTRACTOR TO PROCURE FCC NO. FROM COMPLIANCE COORDINATOR PH: (425) 895-7000.

TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER VERIZON CONSTRUCTION MANAGER RECOMMENDATIONS.

CABINET / SHELTER MOUNTING APPLICATION REQUIRES ANOTHER PLATE APPLIED TO THE FACE OF THE CABINET WITH WATER PROOF POLYURETHANE ADHESIVE.

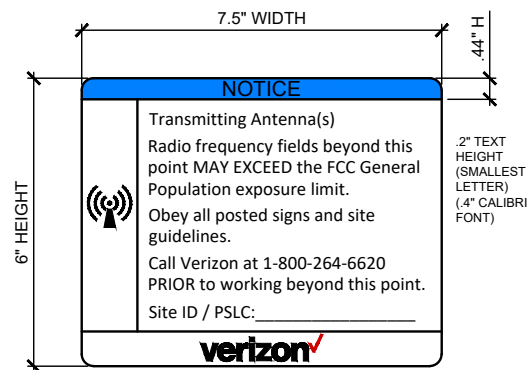
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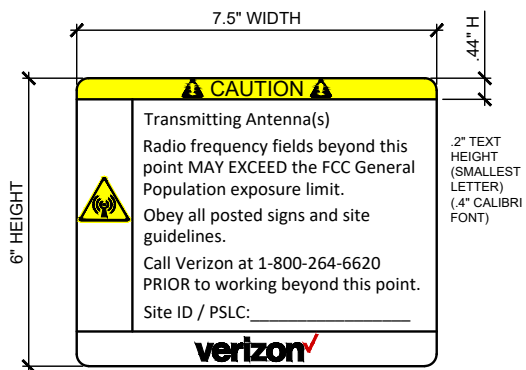


3" HIGH BLACK LETTERING WITH 1/2" MIN. STROKE
WHITE ALUMINUM SIGN PER JURISDICTIONAL & VERIZON WIRELESS REQUIREMENTS

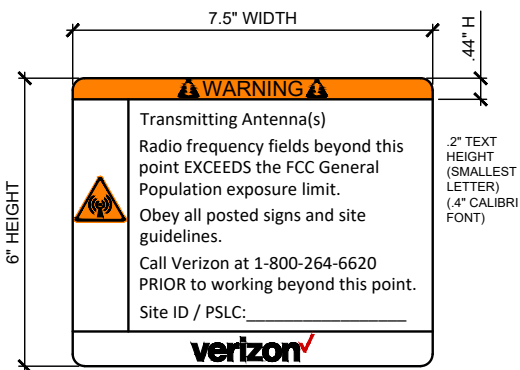
FLAMMABLE LIQUIDS SIGN
NOT TO SCALE



RF NOTICE SIGN
NOT TO SCALE



RF CAUTION SIGN
NOT TO SCALE

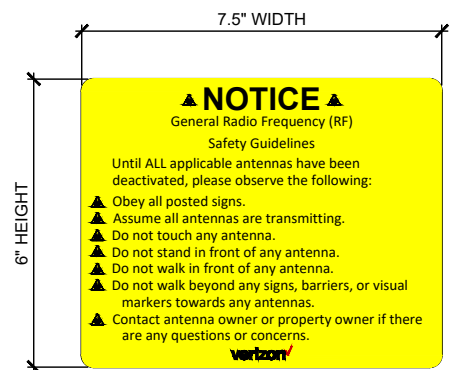


RF WARNING SIGN
NOT TO SCALE

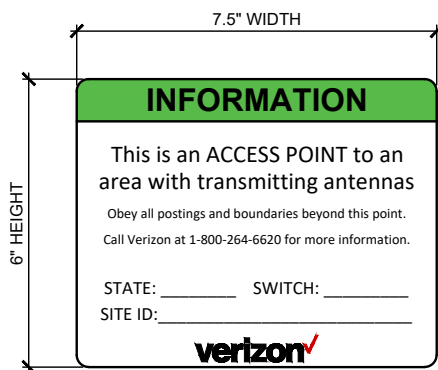


3" HIGH BLACK LETTERING WITH 1/2" MIN. STROKE
WHITE ALUMINUM SIGN PER JURISDICTIONAL & VERIZON WIRELESS REQUIREMENTS

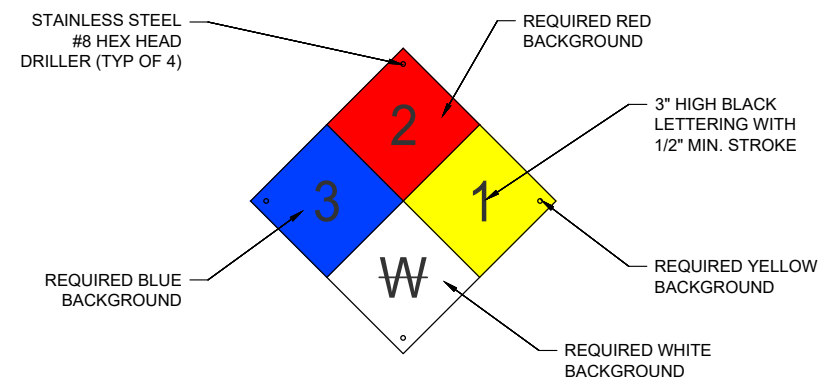
NO SMOKING SIGN
NOT TO SCALE



SAFETY GUIDELINE SIGN
NOT TO SCALE



RF INFORMATION SIGN
NOT TO SCALE



NFPA 704 PLACARD
NOT TO SCALE

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SIGNAGE INFORMATION

A-8

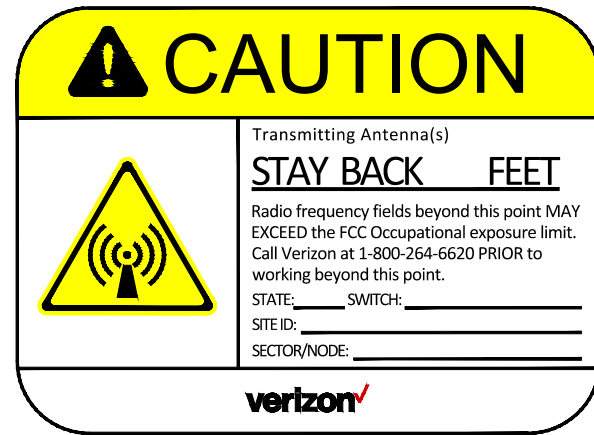
SPECIAL RF SIGNAGE GUIDELINES

CUSTOM SIGNAGE FOR SPECIAL SITUATIONS

WHEN THE PRIMARY MEANS OF ADMINISTRATIVE CONTROLS (I.E. BARRIERS) CANNOT BE FEASIBLY INSTALLED, THERE ARE A LIMITED NUMBER OF OPTIONS AVAILABLE FOR EMPLOYEES TO UTILIZE OUTSIDE OF USING ENGINEERING CONTROLS (I.E. DESIGN, POWER DOWN) TO CONTROL EXPOSURE TO RF EMISSIONS. PLEASE CONTACT THE RF COMPLIANCE GROUP (VZWRFCompliance@verizonwireless.com) IF YOU FEEL ONE OF THESE SIGNS IS NEEDED.

IF THE GENERAL PUBLIC HAS TO STAND BACK LESS THAN 15 FEET, THEN THE FOLLOWING "STAY BACK" DESIGN MAY BE USED WITH THE STANDARD SIZE SIGNS (NOTE: THIS EXAMPLE IS FOR A CAUTION SIGN, PLEASE USE CORRECT RF HAZARD SIGNAGE TYPE: NOTICE, WARNING, OR CAUTION). THE APPROPRIATE NUMBER OF FEET TO STAND BACK IS REQUIRED ON THE SIGN WHEN CREATED.

IF A PERSON HAS TO STAND BACK MORE THAN 15 FEET; DUE TO THE FONT SIZE REQUIRED, THE STANDARD SIZE SIGN CANNOT BE USED. IF THE LARGER SIZE CANNOT BE PLACED, ENGINEERING CONTROLS SHOULD BE USED TO REDUCE THE STAND BACK DISTANCE SO A COMPLIANT SIGN (PROPERLY SIZED) CAN BE PLACED.



STAY BACK SIGN DETAIL
NOT TO SCALE

STAY BACK SIGNAGE FONT SIZE

THE FONT SIZE FOR THE MESSAGE, "STAY BACK FEET" MUST REFLECT THE DESIRED MINIMUM SAFE VIEWING DISTANCE FOR FAVORABLE READING CONDITIONS. STANDARD: MINIMUM FONT SIZES & SAFE VIEWING DISTANCES (SOURCE: ANSI Z535.2-2011)

EXAMPLES OF WORD MESSAGE LETTER HEIGHTS AND MINIMUM SAFE VIEWING DISTANCES

| MINIMUM SAFE VIEWING DISTANCE | | MINIMUM LETTER HEIGHTS FOR FAVORABLE READING CONDITIONS | | |
|-------------------------------|-------|---|-------------------|------------------|
| (ft) | (m) | (point size) | (in) | (cm) |
| ≤4 | ≤1.2 | 16 ² | 0.16 ² | 0.4 ² |
| 6 | 1.80 | 24 | 0.24 | 0.6 |
| 8 | 2.40 | 32 | 0.32 | 0.8 |
| 10 | 3.00 | 40 | 0.40 | 1.0 |
| 15 | 4.60 | 60 | 0.60 | 1.5 |
| 20 | 6.10 | 80 | 0.80 | 2.0 |
| 30 | 9.10 | 120 | 1.20 | 3.0 |
| 40 | 12.20 | 160 | 1.60 | 4.1 |
| 60 | 18.30 | 240 | 2.40 | 6.1 |
| 80 | 24.40 | 320 | 3.20 | 8.1 |
| 100 | 30.50 | 400 | 4.00 | 10.2 |
| 125 | 38.10 | 500 | 5.00 | 12.7 |
| 150 | 45.70 | 600 | 6.00 | 15.2 |
| 200 | 61.00 | 800 | 8.00 | 20.3 |

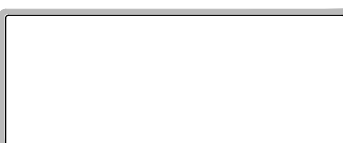
¹THE MINIMUM SAFE VIEWING DISTANCE REFERS TO THE CLOSEST DISTANCE A PERSON CAN BE TO THE SIGN AND STILL HAVE TIME TO FOLLOW THE SAFETY SIGN'S MESSAGE TO AVOID THE HAZARD.

²16 POINT (.16 IN, 0.4 CM) TYPE IS THE SUGGESTED MINIMUM TYPE SIZE FOR USE ON ENVIRONMENTAL AND FACILITY SAFETY SIGNS.

³8 POINT (.08 IN, 2.0 MM) TYPE IS THE SUGGESTED MINIMUM TYPE SIZE FOR USE ON PRODUCT SAFETY SIGNS, EXCEPT FOR SMALL PRODUCTS WHERE 6 POINT (.06 IN, 1.5 MM) TYPE SIZE MAY BE USED.

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SIGNAGE
INFORMATION

A-8.1

| PROPOSED ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE | | | | | | | | | | | |
|---|---------|------------|----------|-----------|--------------------------|-----------|-----------|-------------------|--------------|---------------|--|
| ALPHA SECTOR | AZIMUTH | TIP HEIGHT | QUANTITY | VENDOR | MODEL | MECH TILT | ELEC TILT | NUMBER OF FEEDERS | FEEDER TYPE | FEEDER LENGTH | |
| 700/850/AWS | ADD | 50° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 5° 5' 2" | - | - | - | |
| 700/850/PCS | ADD | 50° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 5° 5' 2" | - | - | - | |
| L-SUB6 | ADD | 50° | 1 | ERICSSON | AIR6449 | - | - | - | - | - | |
| 700/850 | ADD | - | 1 | ERICSSON | RADIO 4449 | - | - | - | - | - | |
| AWS/PCS | ADD | - | 1 | ERICSSON | RADIO 8843 | - | - | - | - | - | |
| N/A | ADD | - | 1 | RAYCAP | OVP12 - RVZDC-6627-PF-48 | - | - | 1 | HYBRID FIBER | TBD | |
| BETA SECTOR | AZIMUTH | TIP HEIGHT | QUANTITY | VENDOR | MODEL | MECH TILT | ELEC TILT | NUMBER OF FEEDERS | FEEDER TYPE | FEEDER LENGTH | |
| 700/850/AWS | ADD | 180° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 5° 5' 0" | - | - | - | |
| 700/850/PCS | ADD | 180° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 5° 5' 0" | - | - | - | |
| L-SUB6 | ADD | 154.0' | 1 | ERICSSON | AIR6449 | - | - | - | - | - | |
| 700/850 | ADD | - | 1 | ERICSSON | RADIO 4449 | - | - | - | - | - | |
| AWS/PCS | ADD | - | 1 | ERICSSON | RADIO 8843 | - | - | - | - | - | |
| GAMMA SECTOR | AZIMUTH | TIP HEIGHT | QUANTITY | VENDOR | MODEL | MECH TILT | ELEC TILT | NUMBER OF FEEDERS | FEEDER TYPE | FEEDER LENGTH | |
| 700/850/AWS | ADD | 295° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 0° 0' 3" | - | - | - | |
| 700/850/PCS | ADD | 295° | 1 | COMMSCOPE | NHH 65C R2B | 0° | 0° 0' 3" | - | - | - | |
| L-SUB6 | ADD | 295° | 1 | ERICSSON | AIR6449 | - | - | - | - | - | |
| 700/850 | ADD | - | 1 | ERICSSON | RADIO 4449 | - | - | - | - | - | |
| AWS/PCS | ADD | - | 1 | ERICSSON | RADIO 8843 | - | - | - | - | - | |

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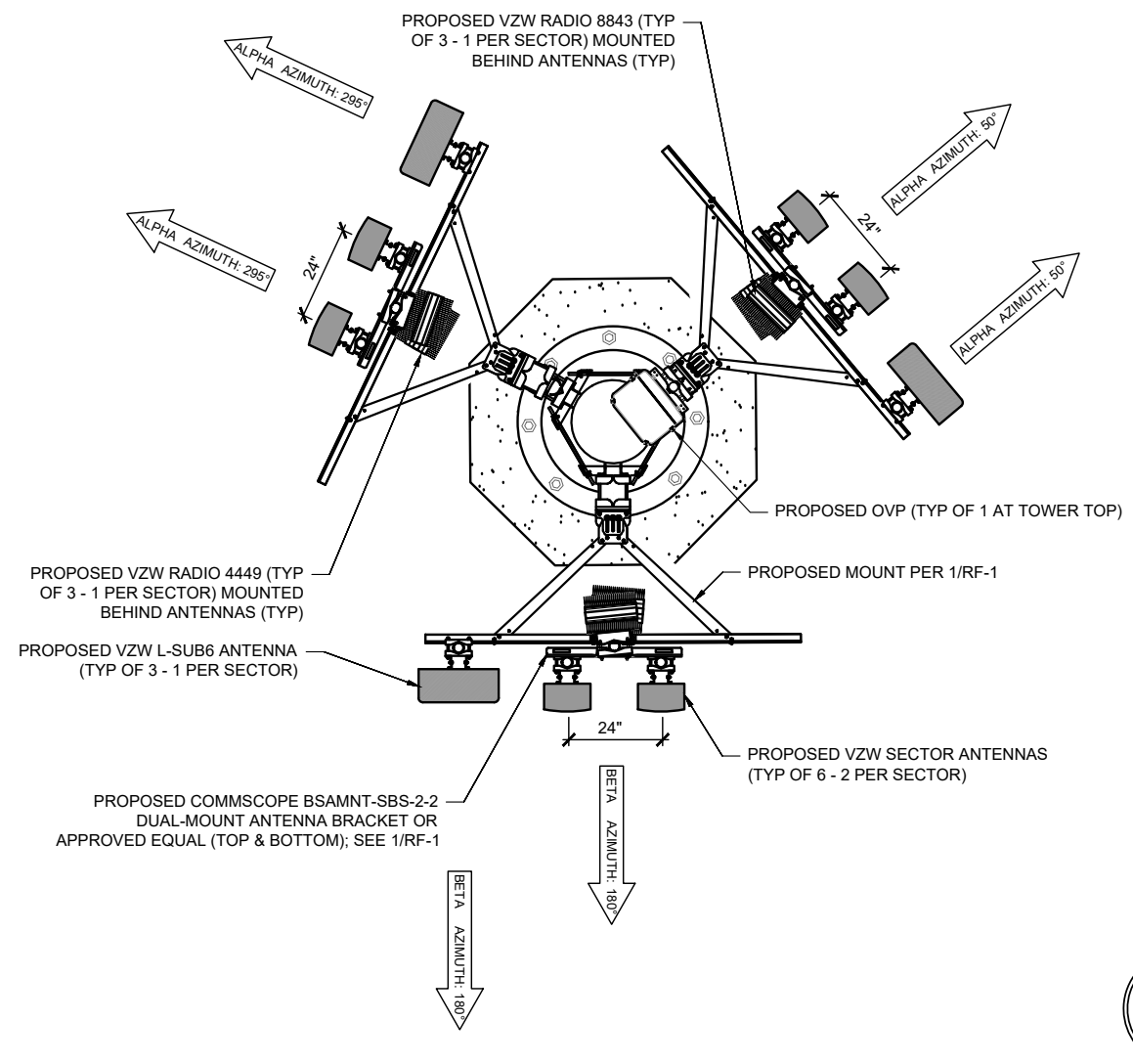
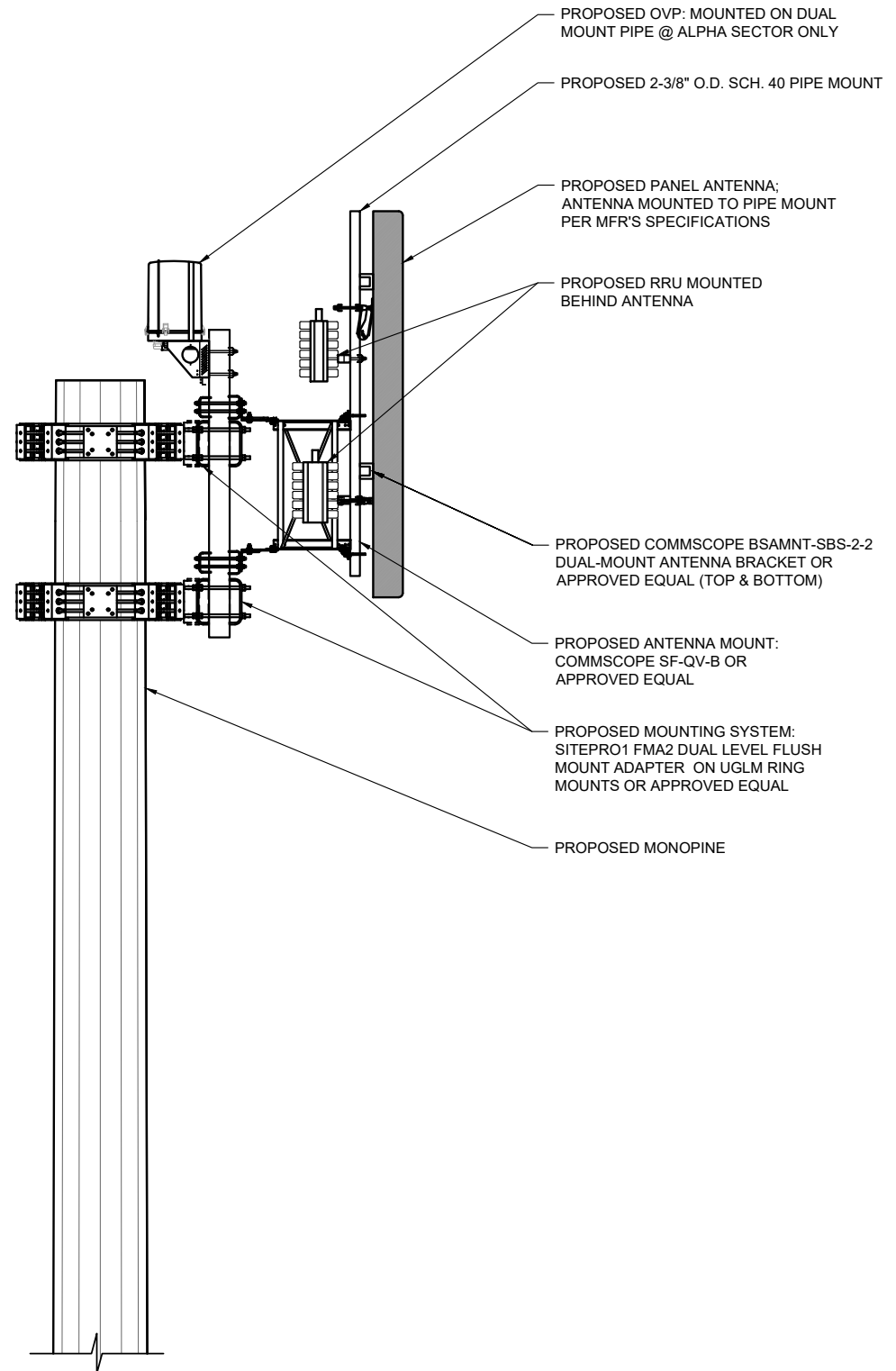


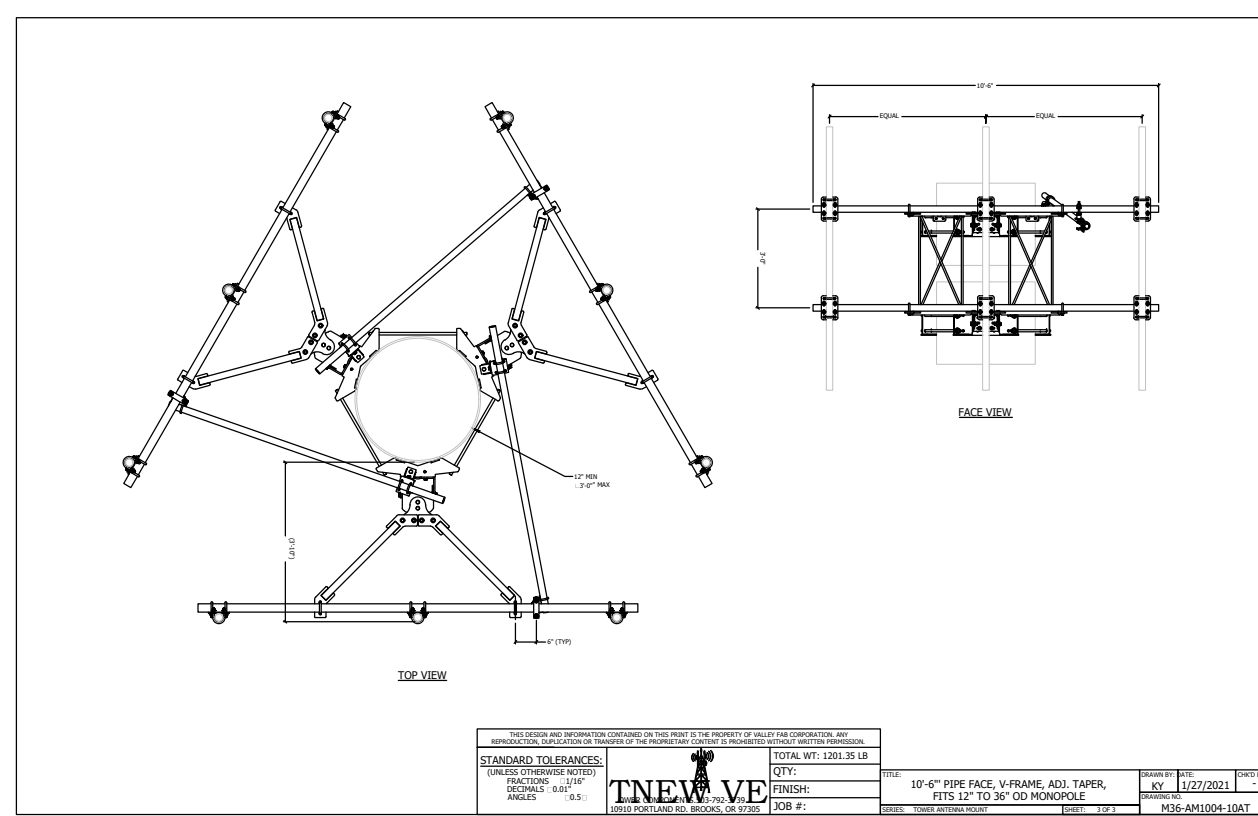
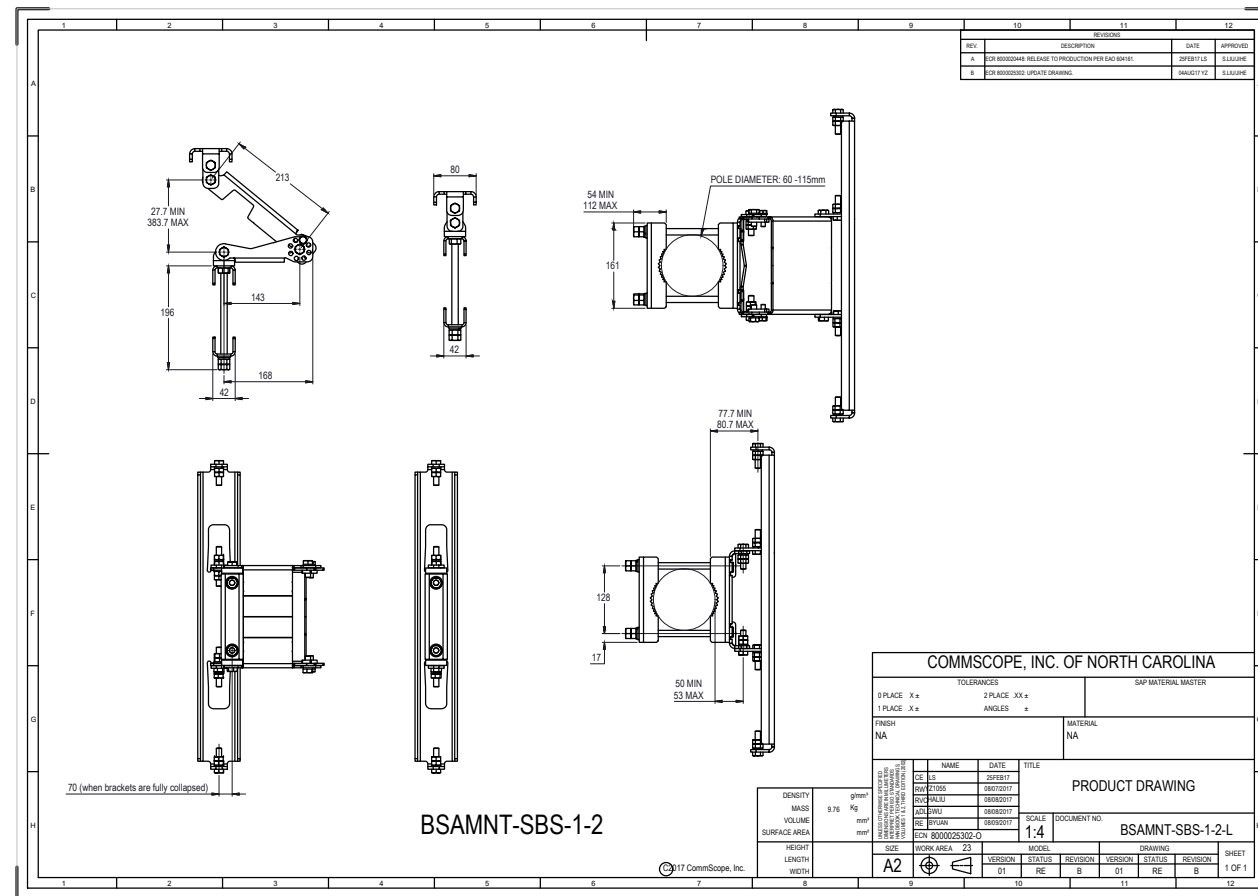
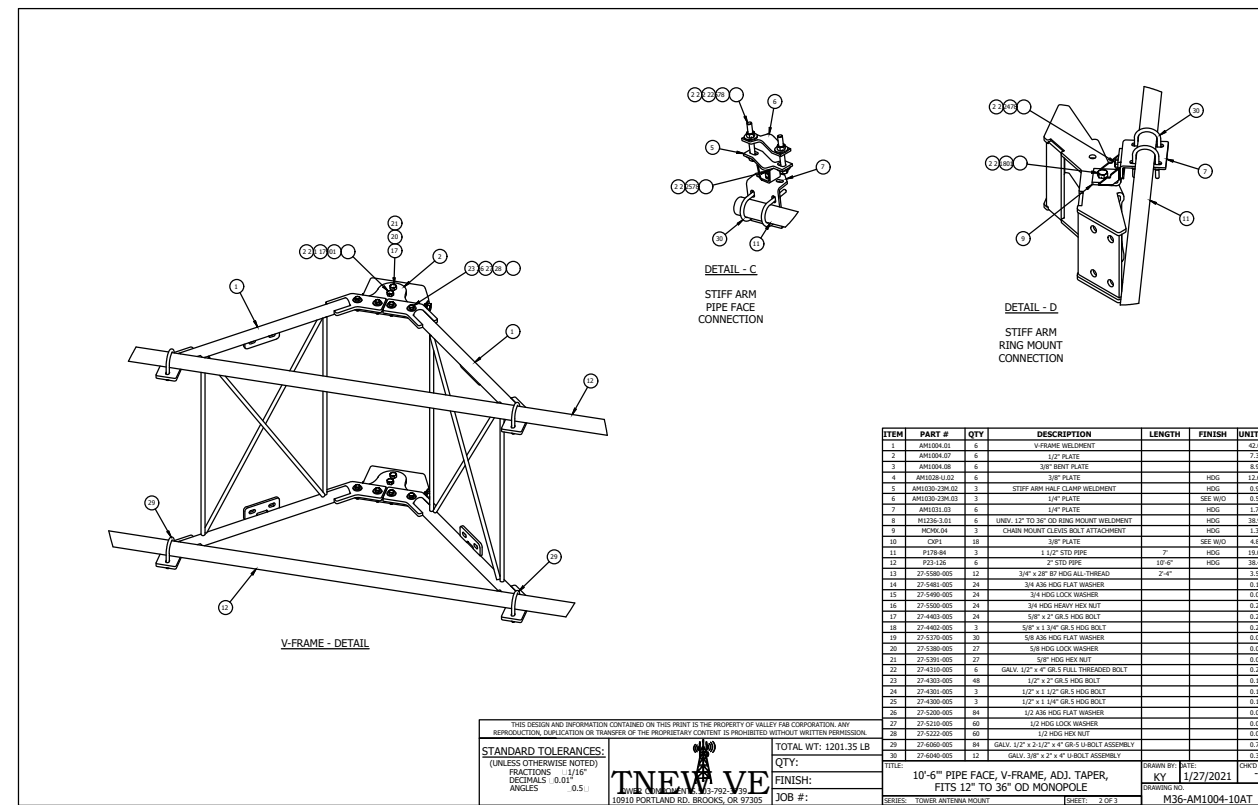
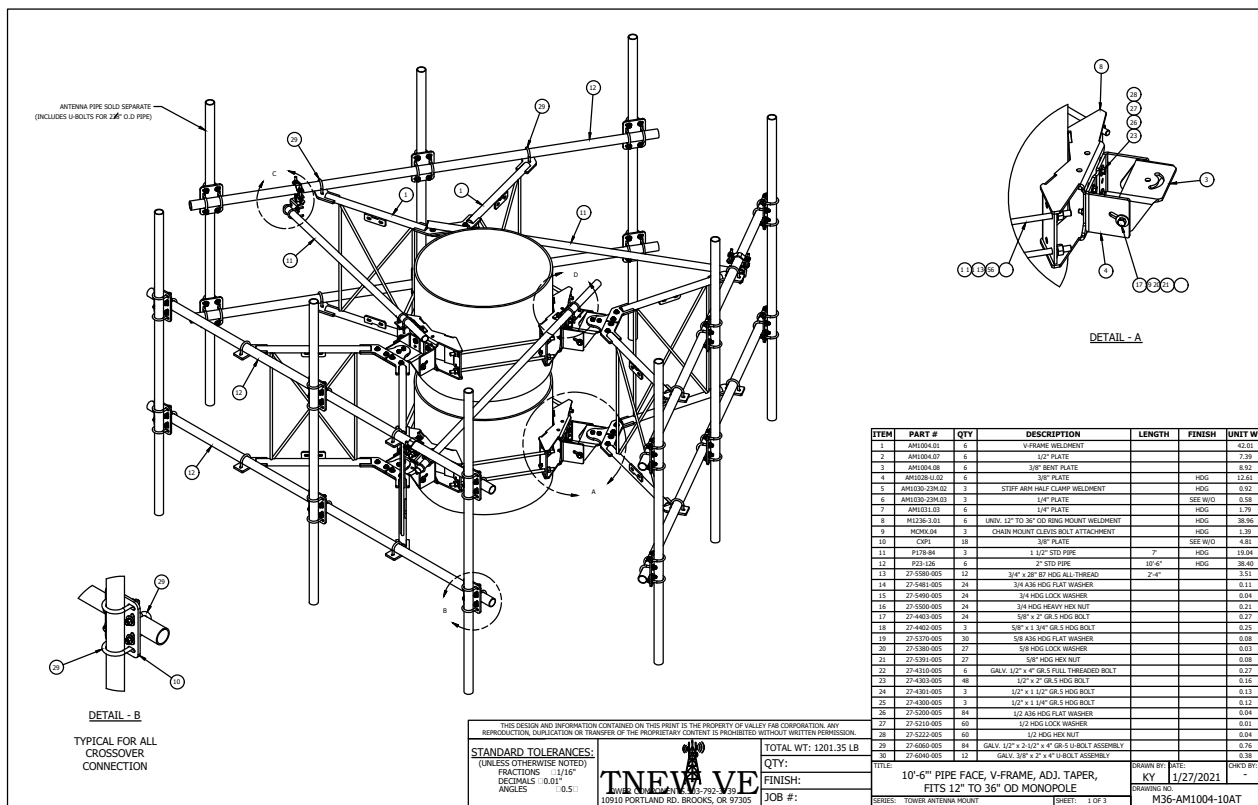
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PROPOSED ANTENNA CONFIGURATION

RF-1

NOTE:
- (N) JUMPER W/ 10" MIN. RADIUS ON DRIP LOOP; ALL JUMPERS TO BE SECURED AS REQ'D W/ (N) CABLE SUPPORTS, TYP.





COMMSCOPE DUAL MOUNT DETAILS (BSAMNT)

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

Exhibit #3 - Page 16 of ANTENNA MOUNTING DETAILS (NEWAVE M36-AM 1004-10AT) | 1

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

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CLIENT:

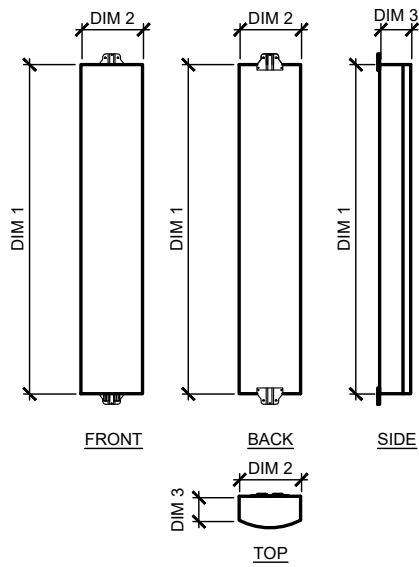
A&E CONSULTANT:

SITE ACQUISITION AND PERMITTING:

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PENDELTON, OREGON 97801

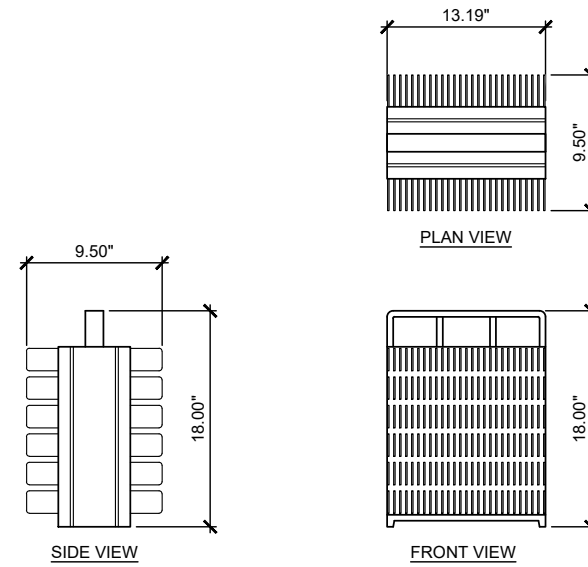
MOUNTING DETAILS

RF-2



| | QTY | DIM 1 | DIM 2 | DIM 3 | *WEIGHT |
|---------------------|-----|-------|-------|-------|-----------|
| ALPHA SECTOR | | | | | |
| (P) NHH 65C R2B | 2 | 96.0" | 11.9" | 7.2" | 51.6 LBS |
| (P) AIR6449 | 1 | 33.1" | 20.6" | 8.6" | 104.0 LBS |
| BETA SECTOR | | | | | |
| (P) NHH 65C R2B | 2 | 96.0" | 11.9" | 7.2" | 51.6 LBS |
| (P) AIR6449 | 1 | 33.1" | 20.6" | 8.6" | 104.0 LBS |
| GAMMA SECTOR | | | | | |
| (P) NHH 65C R2B | 2 | 96.0" | 11.9" | 7.2" | 51.6 LBS |
| (P) AIR6449 | 1 | 33.1" | 20.6" | 8.6" | 104.0 LBS |

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



MANUFACTURER: ERICSSON
 MODEL: RADIO 4449
 HEIGHT: 18.00"
 WIDTH: 13.19"
 DEPTH: 9.50"
 WEIGHT: 71 LBS
 COLOR: OFF-WHITE

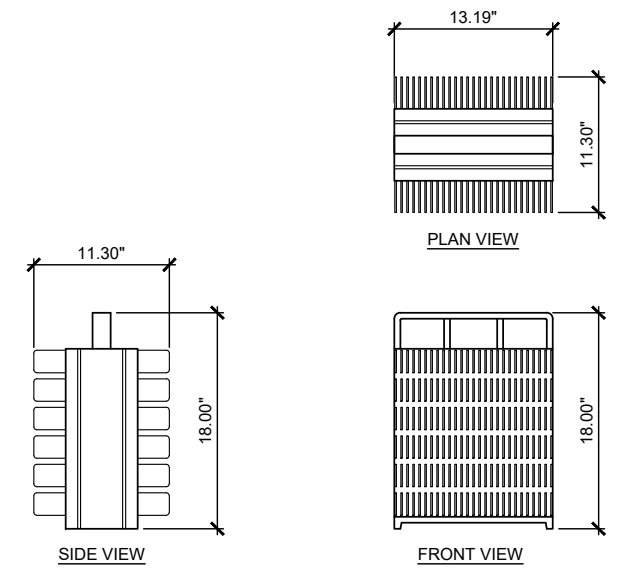
PRELIMINARY DRAWINGS
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| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
| F | 10/06/22 | RM | 90% PCD REVIEW |
| G | 11/14/22 | RM | 90% PCD REVIEW |
| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |

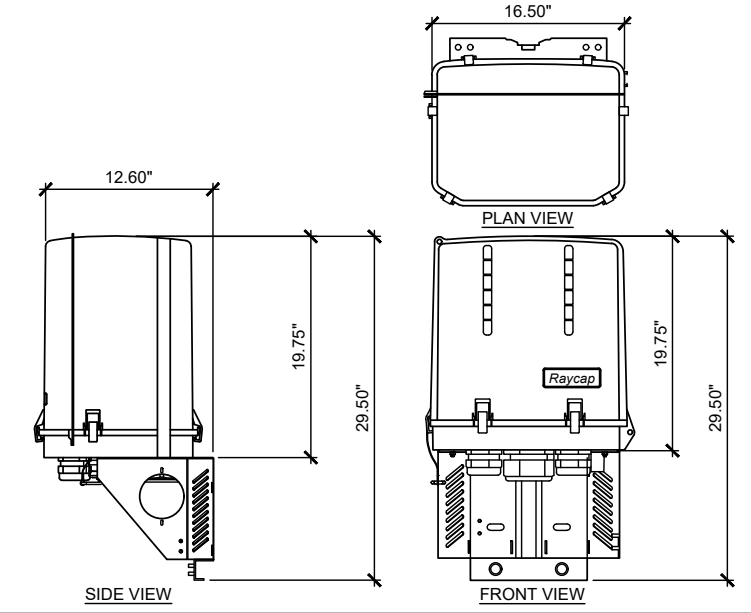
ANTENNA DIMENSIONS 1

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

ERICSSON RADIO 4449 DETAIL (700 / 850) 2



MANUFACTURER: ERICSSON
 MODEL: RADIO 8843
 HEIGHT: 18.00"
 WIDTH: 13.19"
 DEPTH: 11.30"
 WEIGHT: 75 LBS
 COLOR: OFF-WHITE



MANUFACTURER: RAYCAP
 MODEL: RVZDC-6627-PF-48
 HEIGHT: 29.50"
 WIDTH: 16.50"
 DEPTH: 12.60"
 WEIGHT: 32.00 LBS (W/ MOUNT)
 COLOR: LIGHT GRAY

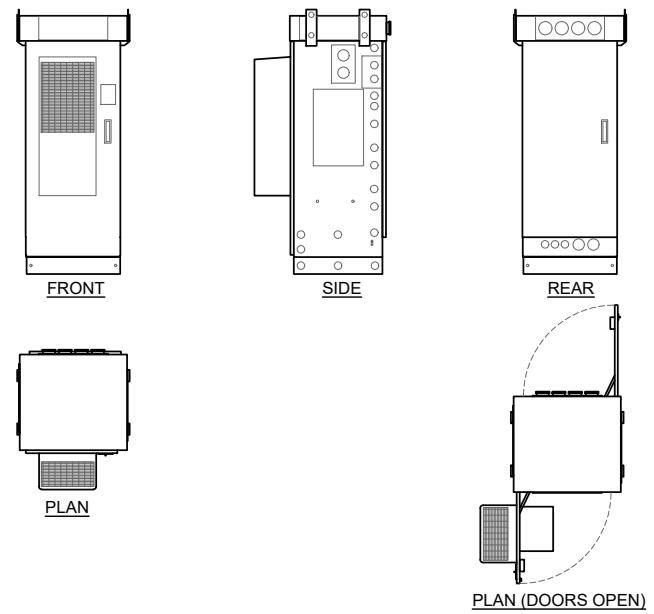
22"x34" SCALE: NOT TO SCALE
 11"x17" SCALE: NOT TO SCALE

ERICSSON RADIO 8843 DETAIL (AWS / PCS) 3

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

RAYCAP OVP SPLITTER DETAIL 4

MANUFACTURER: CHARLES
 MODEL: PM63912UNZ
 HEIGHT: 86.67"
 WIDTH: 37.8"
 DEPTH: 32.8"
 WEIGHT: 554 LBS
 COLOR: OFF-WHITE
 HVAC: 10K BTU

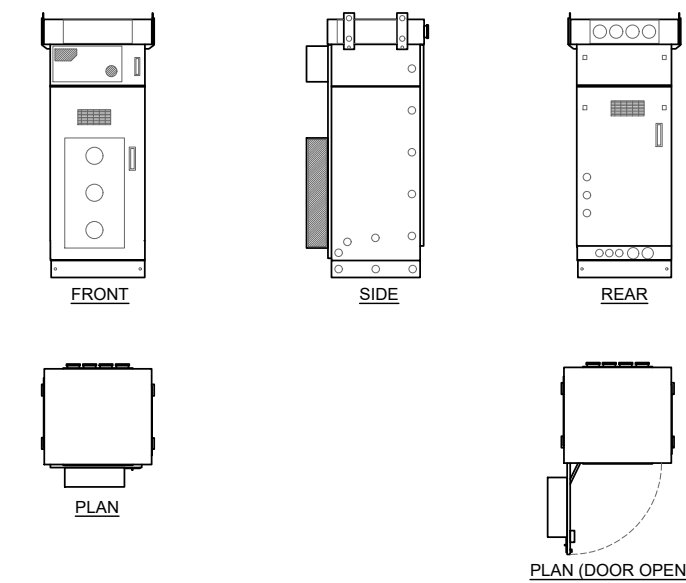


MANUFACTURER: CHARLES
 MODEL: SS4D207XNZ
 HEIGHT: 86.67"
 WIDTH: 37.8"
 DEPTH: 32.8"
 WEIGHT: 2785 LBS (FULLY LOADED)
 COLOR: OFF-WHITE

NOTE:
 VERIFY PROPER VOLTAGE PRIOR TO ORDERING.

THERMAL RUNAWAY DEVICE:
 THE CHARLES POWER CABINET SHALL BE PROVIDED WITH THE FOLLOWING EQUIPMENT

- (1) GE CONTROLLER TO PROBE (GE #CC848817024 FOR 10' OR CC109157434 FOR 20')
- (2) BATTERY PROBES (GE # CC109142980)
- (1) PROBE TO PROBE JUMPER (GE # CC848822321)

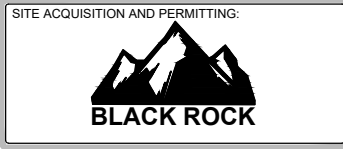


22"x34" SCALE: NOT TO SCALE
 11"x17" SCALE: NOT TO SCALE

RADIO EQUIPMENT CABINET DETAIL 5

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

POWER / BATTERY CABINET DETAIL 6



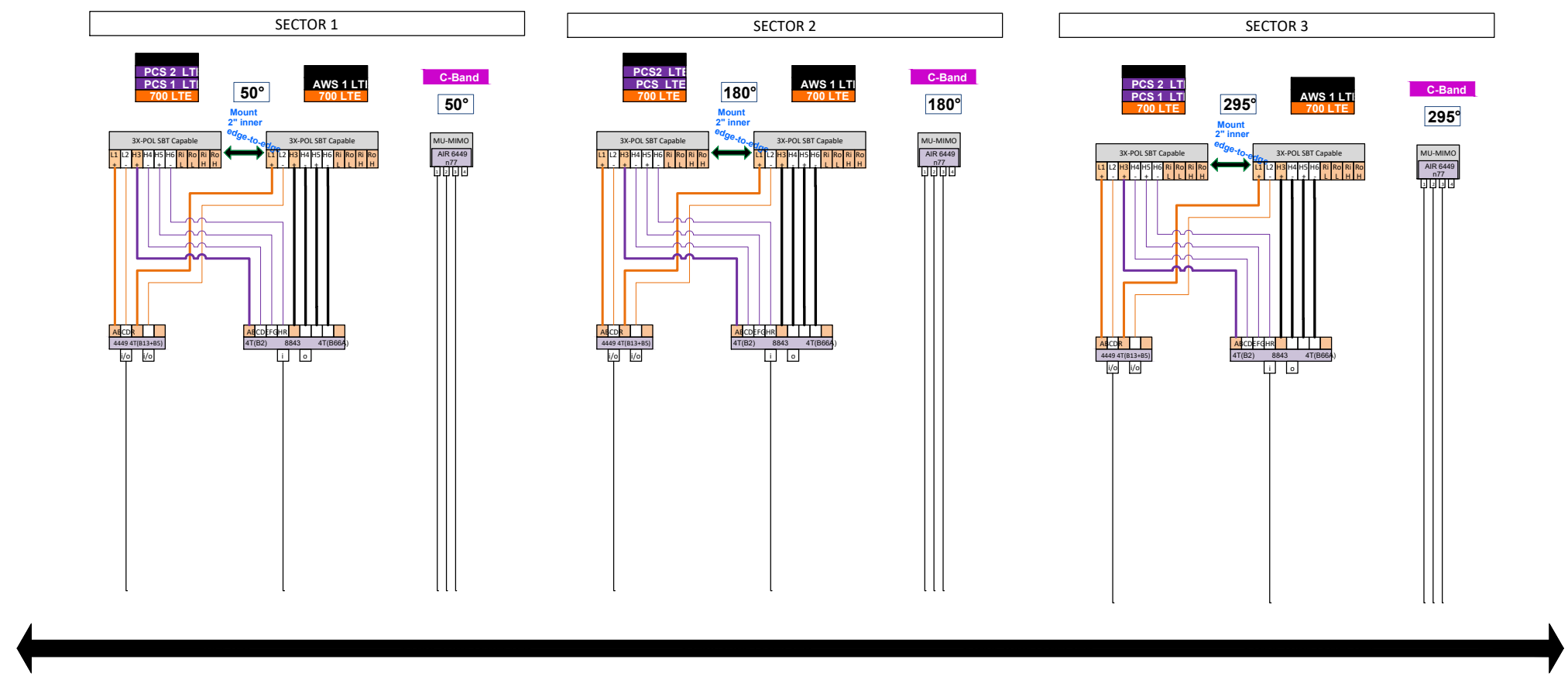
OR3 WILDHORSE
 72544 COYOTE ROAD
 PENDLETON, OREGON 97801

RF EQUIPMENT

RF-3

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

(003307, 305307) WILDHORSE – [3 Sector – 4x4 RET RRH (AWS1 PCS1 PCS2 850 700)] + [5G C-Band – 3 Sector]



RET Control Path Note:
All Smart BiasT's (SBT)/Internal BiasT's, or External AISG RET Controllers are driven by the **BOLD coax/jumper pathways**.

Example:
Antenna port '1' driven by RRH port 'A'

- RRH Bands:**
- 700 -----Band 13
 - AWS -----Band 4
 - PCS -----Band 2
 - 850 -----Band 5
 - AWS-1/3 -----Band 66A
 - CBRS -----Band 48
 - LAA -----Band 46

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
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| J | 01/20/23 | KM | 90% PCD REVIEW |



**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

PROPOSED
IT DIAGRAM

RF-4

GENERAL ELECTRICAL NOTES

- GENERAL:**
- EXAMINE THE SITE CONDITIONS VERY CAREFULLY AND THE SCOPE OF PROPOSED WORK TOGETHER WITH THE WORK OF ALL OTHER TRADES AND INCLUDE IN THE BID PRICE ALL COSTS FOR WORK SUCH AS EQUIPMENT AND WIRING MADE NECESSARY TO ACCOMMODATE THE ELECTRICAL SYSTEMS SHOWN AND SYSTEMS OF OTHER TRADES.
 - SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
 - PERFORM DETAILED VERIFICATION OF WORK PRIOR TO ORDERING THE ELECTRICAL EQUIPMENT AND COMMENCING CONSTRUCTION. ISSUE A WRITTEN NOTICE TO THE CONSULTANT OF ANY DISCREPANCIES.
 - OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION.
 - PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE, AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER.
 - PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE, AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER.
 - CARRY OUT WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
 - PRIOR TO BEGINNING WORK COORDINATE ALL POWER AND TELCO WORK WITH THE LOCAL UTILITY COMPANY AS IT MAY APPLY TO THIS SITE. ALL WORK TO COMPLY WITH THE RULES AND REGULATIONS OF THE UTILITIES INVOLVED.
 - FABRICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST CLASS WORKMANSHIP PER NECA STANDARD 1-2000 BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK AND SHALL SCHEDULE THE WORK IN AN ORDERLY MANNER SO AS NOT TO IMPEDE PROGRESS OF THE PROJECT.
 - DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE ELECTRICAL SYSTEMS, LOCATING EACH CIRCUIT PRECISELY AND DIMENSIONING EQUIPMENT, CONDUIT AND CABLE LOCATIONS. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLACK LINE PRINTS OF THE ORIGINAL DRAWINGS AND SUBMIT THESE DRAWINGS AS RECORD DRAWINGS TO THE CONSULTANT.
 - 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.
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR REQUESTING CONNECTION OF COMMERCIAL POWER FROM THE POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
 - COORDINATE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING WITH LOCAL TELEPHONE COMPANY. APPLY FOR TELEPHONE SERVICE IMMEDIATELY UPON AWARD OF CONTRACT.

BASIC MATERIALS AND METHODS:

- ALL ELECTRICAL WORK SHALL CONFORM TO THE EDITION OF THE NEC ACCEPTED BY THE LOCAL JURISDICTION AND TO THE APPLICABLE LOCAL CODES AND REGULATIONS.
- ALL MATERIALS AND EQUIPMENT SHALL BE PROPOSED. MATERIALS AND EQUIPMENT SHALL BE THE STANDARD PRODUCTS OF MANUFACTURER'S CURRENT DESIGN. ANY FIRST-CLASS PRODUCT MADE BY A REPUTABLE MANUFACTURER MAY BE USED PROVIDING IT CONFORMS TO THE CONTRACT REQUIREMENTS AND MEETS THE APPROVAL OF THE CONSULTANT AND THE OWNER.
- ARRANGE CONDUIT, WIRING, EQUIPMENT, AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCES AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND FIT THE WORK IN EACH LOCATION WITHOUT SUBSTANTIAL ALTERATION. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE.
- THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ALL OFFSETS, BENDS, FITTINGS AND ACCESSORIES ARE NOT NECESSARILY SHOWN. PROVIDE ALL SUCH ITEMS AS MAY BE REQUIRED TO FIT THE WORK TO THE CONDITIONS.
- MAINTAIN ALL CLEARANCES AS REQUIRED BY NEC.
- SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE BUILDING WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING/SHELTER.
- SILICONE SEAL AROUND ALL BOLTS AND SCREWS USED TO SECURE EQUIPMENT TO EXTERIOR OF BUILDING.

CONDUCTORS AND CONNECTORS:

- UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG, WITH THERMOPLASTIC INSULATION CONFORMING TO NEMA WC5 OR CROSS-LINKED POLYETHYLENE INSULATION CONFORMING TO NEMA WC7. (TYPES THHN OR THWN-2). INSULATION SHALL BE RATED FOR 90°C CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC.
- ALL CONDUCTORS USED FOR GROUNDING SHALL BE COPPER AND SHALL HAVE GREEN INSULATION EXCEPT WHERE NOTED.
- FOR COPPER CONDUCTORS #6 AWG AND SMALLER USE 3M SCOTCH-LOK OR T&B STA-KON COMPRESSION TYPE CONNECTORS WITH INTEGRAL OR SEPARATE INSULATION CAPS. FOR COPPER CONDUCTORS LARGER THAN #6 AWG USE SOLDERLESS, IDENT HEX SCREW OR BOLT TYPE PRESSURE CONNECTORS OR DOUBLE COMPRESSION C-CLAMP CONNECTORS, UNLESS SPECIFIED OTHERWISE ON DRAWINGS.
- UNLESS NOTED OTHERWISE ALL LUGS SHALL BE TIN PLATED COPPER, TWO-HOLE, LONG BARREL, COMPRESSION TYPE.
- CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES. SPLICES ARE NOT ACCEPTABLE. IF SPLICES ARE UNAVOIDABLE PRIOR APPROVAL FROM THE ENGINEER MUST BE OBTAINED.

RACEWAYS AND BOXES:

- ALL CONDUIT SHALL BE UL LABELED.
- ALL EMPTY CONDUITS INSTALLED FOR FUTURE USE SHALL HAVE A PULL CORD.
- SHEET METAL BOXES SHALL CONFORM TO NEMA OS1; CAST-METAL BOXES SHALL CONFORM TO NEMA 81 AND SHALL BE SIZED IN ACCORDANCE WITH NEC UNLESS NOTED OTHERWISE.

GROUNDING:

- ALL LIGHTNING PROTECTION AND SAFETY GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT NFPA STANDARDS AND VERIZON WIRELESS STANDARDS.
- GROUND LUGS ARE SPECIFIED UNDER SECTION 3 "CONDUCTORS AND CONNECTORS".
- ALL GROUND LUG AND COMPRESSION CONNECTIONS SHALL BE COATED WITH ANTI-OXIDANT AGENT, SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSIELD.
- GROUND ALL EXPOSED METALLIC OBJECTS ON EQUIPMENT ROOM EXTERIOR.
- PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
- DO NOT INSTALL GROUND RING OUTSIDE OF LEASE AREA.
- REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTIONS, REPAINT TO MATCH AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE.
- ALL EXTERIOR GROUNDING CONDUCTORS INCLUDING EXTERIOR GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER UNLESS NOTED OTHERWISE. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
- BOND ALL EXTERIOR CONDUITS, PIPES AND CYLINDRICAL METALLIC OBJECTS WITH A PENN-UNION GT SERIES CLAMP, BLACKBURN GUV SERIES CLAMP OR A BURNDY GAR 3900BU SERIES CLAMP ONLY, NO SUBSTITUTES ACCEPTED.
- ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE METALS BEING CONNECTED
- ALL EXTERNAL GROUND CONNECTIONS SHALL BE EXOTHERMICALLY WELDED. ALL EXOTHERMIC WELDS TO EXTERIOR GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH ARE TEE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZER SUCH AS HOLUB LECTROSOL #15-501.
- CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE BURIED GROUND RING IS INSTALLED SO THE REPRESENTATIVE CAN INSPECT THE GROUND RING BEFORE IT IS BACKFILLED WITH SOIL.
- FOR METAL FENCE POST GROUNDING, USE A HEAVY DUTY TYPE GROUNDING CLAMP OR EXOTHERMIC WELD CONNECTION TO POST. GROUND ALL FENCE POSTS WITHIN 6' OF EQUIPMENT.
- WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSIELD ON ALL CONNECTORS.

OVERCURRENT & SHORT-CIRCUIT/GND FAULT PROTECTION (IF APPLICABLE):

- CONTRACTOR SHALL RECORD LOAD READINGS WHEN SITE POWER ORIGINATES FROM A 3Ø SERVICE TO MONITOR & ASSURE A BALANCED LOAD AT THE PRIMARY SUPPLY. RECORDS SHALL BE PROVIDED TO THE SITE/FACILITY OWNER. CONTRACTOR SHALL CONSULT MANUFACTURER'S PLANS, SHOP DRAWINGS AND SPECS FOR INDOOR/OUTDOOR EQUIPMENT LOCATION & INSTALLATION. ELECTRIC SERVICE SHALL BE IN COMPLIANCE WITH ALL RULES & REGULATIONS OF THE UTILITY CO. ELECT. CONTRACTOR SHALL PROVIDE EQUIPMENT WITH HIGHER SHORT-CIRCUIT FAULT CURRENT RATINGS (KA.I.C.) AS REQUIRED TO MATCH & EXCEED UTILITY CO. AVAILABLE SYMMETRICAL & ASYMMETRICAL FAULT CURRENT LEVELS. FUSES IN SERVICE SWITCHES SHALL BE CLASS "RK1", CURRENT LIMITING TYPE, 200 KA.I.C., NON-TIME DELAY, DISCONNECT SWITCHES TO HAVE REJECTION CLIPS, UNLESS INDICATED OTHERWISE. ELECTRICAL EQUIPMENTS & PROTECTIONS SHALL BE STANDARD KAIC RATED HIGHER THAN INCOMING EQUIPMENT AND/OR UTILITY CO. KAIC RATE AND CONSIDERING ELECTRIC MOTORS FAULT CONTRIBUTION. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THIS MANDATORY REQUIREMENT IS MET. IF PROPOSED LOAD IS ADDED CONTRACTOR SHALL VERIFY & CONFIRM BEFORE CONSTRUCTION THAT TOTAL UTILITY SERVICE LOAD SHALL KEEP EQUAL TO (125% MAX. DEMAND+ PROPOSED LOAD)< 80% SERVICE ENTRANCE CONDUCTORS/MAIN OVER CURRENT PROTECTION CAPACITY, WHICHEVER RATING IS LOWER. LIGHTING SHALL MEET NEC, IESNA AND/OR FAA STANDARDS IF APPLICABLE. PHOTOMETRIC LEVELS SHALL COMPLY WITH LOCAL, STATE & FEDERAL RULES. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE AREAS ONLY. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELE- PHONE UTILITY COMPANIES.

LEGEND

| SYMBOL | DESCRIPTION |
|--------|--|
| | CIRCUIT BREAKER |
| | NON-FUSIBLE DISCONNECT SWITCH |
| | FUSIBLE DISCONNECT SWITCH |
| | SURFACE MOUNTED PANEL BOARD |
| | TRANSFORMER |
| | KILOWATT HOUR METER |
| | DENOTES CABLE OR CONDUIT TURNING UP IN PLAN VIEW |
| | DENOTES CABLE OR CONDUIT TURNING DOWN IN PLAN VIEW |
| | JUNCTION BOX |
| | PULL BOX TO NEC/TELCO STANDARDS |
| | OVERHEAD UTILITIES |
| | UNDERGROUND TELCO |
| | UNDERGROUND POWER |
| | DENOTES REFERENCE NOTE |
| | EXOTHERMIC WELD CONNECTION |
| | MECHANICAL CONNECTION (eg LUG, C-TAP) |
| | GROUND ROD |
| | GROUND ROD WITH INSPECTION SLEEVES |
| | GROUND BAR |
| | PIN AND SLEEVE RECEPTACLE |
| | GROUND CONDUCTOR |
| | MOTOZ W/ HORSEPOWER RATING |

ABBREVIATIONS

| | |
|--------|--|
| AFG | ABOVE FINISHED GRADE |
| AIC | AMPERE INTERRUPTING CAPACITY |
| BFG | BELOW FINISHED GRADE |
| C | CONDUIT |
| CRGB | CELL REFERENCE GROUND BAR |
| CU | COPPER |
| C/W | COMPLETE WITH |
| D.T.T. | DRY TYPE TRANSFORMER |
| EC | EMPTY CONDUIT |
| G | GROUND |
| GE | GROUNDING ELECTRODE |
| GEC | GROUNDING ELECTRODE CONDUCTOR |
| GRC | GALVANIZED RIGID CONDUIT |
| MTS | MANUAL TRANSFER SWITCH |
| NEC | NATIONAL ELECTRICAL CODE |
| O/H | OVERHEAD |
| RNC | RIGID NON-METALLIC CONDUIT (SCHEDULE 80 PVC) |
| SD | SERVICE DISCONNECT SWITCH |
| SE | SERVICE ENTRANCE |
| SN | SOLID NEUTRAL |
| TGB | TELCO GROUND BAR |
| TEGB | TOWER EXIT GROUND BAR |
| TR | TRANSFORMER |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| TYP | TYPICAL |
| WP | WEATHERPROOF - NEMA 3R |
| U/G | UNDERGROUND |
| PPC | POWER PROTECTION SHELTER |

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**GENERAL
NOTES**

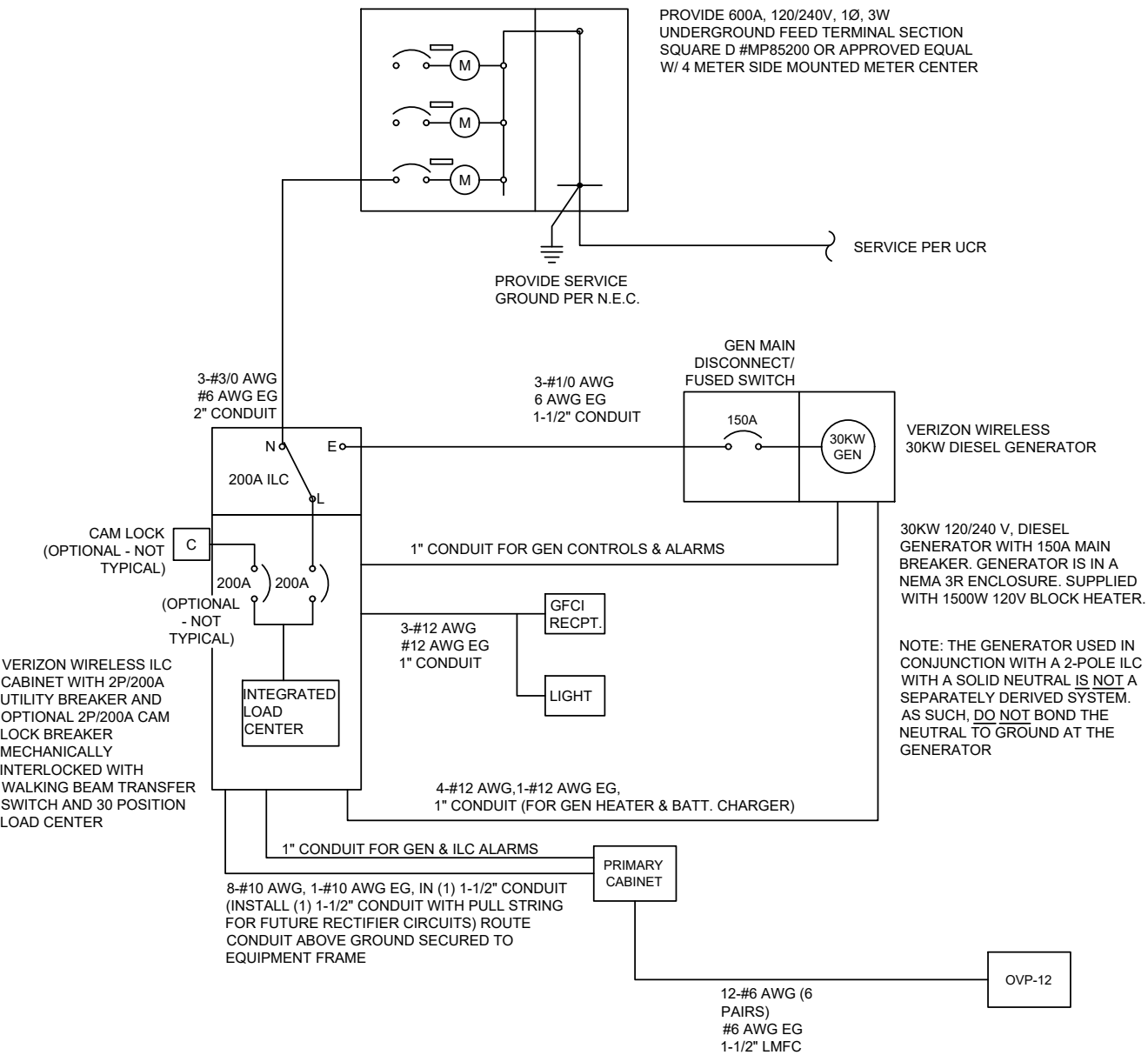
E-1

| COMMON V2W DC PLANT RECTIFIER REQUIREMENTS | | | |
|--|---|--|--|
| RECTIFIER | INPUT FLA CURRENT AT 240 VAC (EACH RECTIFIER) | 2 RECT / BRANCH CIRCUIT ALTERNATE APPROACH | 1 RECT / BRANCH CIRCUIT ALTERNATE APPROACH |
| VERTIV 3500W (R48-2000e3 OR SIM) | 15.5 AMPS | 40A/2P (OR 45A/2P) # 8 THHN | 30A/2P # 10 THHN |
| GE 75A (NE075AC48xxxx OR SIM) | 22 AMPS (MAX.) | 60A/2P # 6 THHN | 30A/2P # 10 THHN |
| OTHER - COORD W/ VENDOR | REFER TO CUT SHEETS | REFER TO CUT SHEETS | REFER TO CUT SHEETS |

| LOAD CALCULATION | |
|--|-------|
| LOAD | AMPS |
| PROPOSED LOAD: | 123.0 |
| TOTAL DEMAND: | 129.0 |
| VOLTAGE: 120/240V SINGLE PHASE 3W 200A | |

| PANEL NAME: | | VZW ILC | | MODEL NUMBER: | | INTERSECT AA300G-1PH-3R | | | | | | | | | |
|-----------------|--------------|----------|-----|--------------------|-------|-------------------------|------------------|-----|------|----------------------|----|--------------|-----|---|----|
| RATED VOLTAGE: | | 240 | 120 | VOLTS | | PHASE/WIRE: | | | | | | | | | |
| MAIN BREAKER: | | 200 | | AMPS | | BUS RATING: | | | | | | | | | |
| MOUNT: | | SURFACE | | NEUTRAL BAR: | | YES | | | | | | | | | |
| ENCLOSURE TYPE: | | NEMA 3R | | AIC: | | 65K | | | | | | | | | |
| POS | USAGE FACTOR | BUS AMPS | | LOAD | POLES | AMPS | L1 L2 AMPS POLES | | LOAD | BUS AMPS | | USAGE FACTOR | POS | | |
| | | L1 | L2 | | | | L1 | L2 | | L1 | L2 | | | | |
| 1 | 1 | 18 | | RECTIFIER | 2 | 30A | ▲ | 30A | 2 | FUTURE RECTIFIER | 18 | | 1 | 2 | |
| 3 | 1 | | 18 | | | | ▲ | | | | | 18 | | 1 | 4 |
| 5 | 1 | 18 | | RECTIFIER | 2 | 30A | ▲ | 30A | 2 | FUTURE RECTIFIER | 18 | | 1 | 6 | |
| 7 | 1 | | 18 | | | | ▲ | | | | | 18 | | 1 | 8 |
| 9 | 1 | 18 | | RECTIFIER | 2 | 30A | ▲ | | | | | | | 1 | 10 |
| 11 | 1 | | 18 | | | | ▲ | | | | | | | 1 | 12 |
| 13 | 1 | 18 | | RECTIFIER | 2 | 30A | ▲ | | | | | | | | 14 |
| 15 | 1 | | 18 | | | | ▲ | | | | | | | | 16 |
| 17 | 1.25 | 12 | | GFI RECEPT. /LIGHT | 1 | 20A | ▲ | | | | | | | | 18 |
| 19 | 1.25 | | 12 | BLOCK HEATER | 1 | 20A | ▲ | | | | | | | | 20 |
| 21 | 1.25 | 5 | | BATT. CHARGER | 1 | 20A | ▲ | | | | | | | | 22 |
| 23 | | | | | | | ▲ | | | | | | | | 24 |
| 25 | | | | | | | ▲ | | | | | | | | 26 |
| 27 | | | | | | | ▲ | | | | | | | | 28 |
| 29 | | | | | | | ▲ | | | | | | | | 30 |
| | | 93.25 | 87 | :SUB TOTAL AMPS | | | | | | SUB TOTAL AMPS: | | 36 | 36 | | |
| | | | | | | | | | | FACTORED TOTAL AMPS: | | 129.25 | 123 | | |

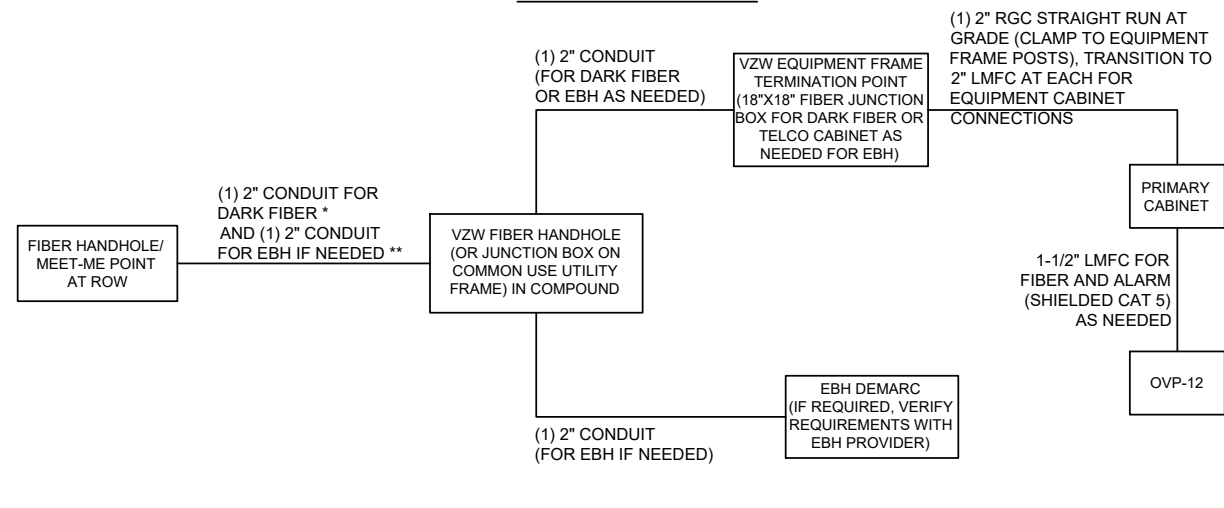
NOTES:
 1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
 2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50FT.
 3. INTERSECT/ GENERAC INTEGRATED LOAD CENTER INCLUDES 200 AMP MAIN DISCONNECT AND TRANSFER SWITCH FOR PORTABLE OR PERMANENT GENERATOR.
 4. RECTIFIER LOADS ARE CONSIDERED TO BE NON-CONTINUOUS.
 5. IF ADDITIONAL FUTURE LOADS ARE ADDED WHICH CAUSE TOTAL DEMAND TO EXCEED GENERATOR BREAKER SIZE, BACKUP POWER SYSTEM SHALL BE EVALUATED AND UPGRADED AS NECESSARY.



ELECTRICAL SINGLE LINE DIAGRAM

NOTES:
 1. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
 2. ALL EQUIPMENT SHALL BE LIGHTNING PROTECTED IN ACCORDANCE WITH TIA-222-G AND VERIZON WIRELESS STANDARDS.
 3. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP (TOTAL SYSTEM VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%).
 4. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO ILC ASSUMES POWER FACTOR OF 0.9.
 5. BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.

PANEL SCHEDULE



FIBER SINGLE LINE DIAGRAM

NOTES:
 * ADD (1) ADDITIONAL 2" CONDUIT FOR DARK FIBER (2 TOTAL) IF REQUIRED BY LOCAL MARKET FACILITIES, VERIFY PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)
 ** VERIFY EBH REQUIREMENTS WITH TELCO PROVIDER PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
| F | 10/06/22 | RM | 90% PCD REVIEW |
| G | 11/14/22 | RM | 90% PCD REVIEW |
| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |



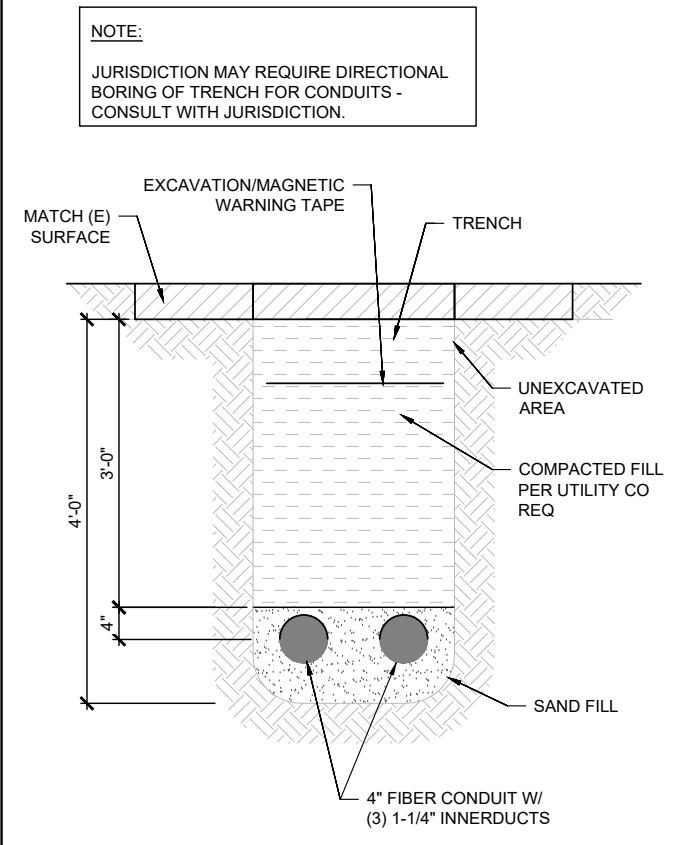
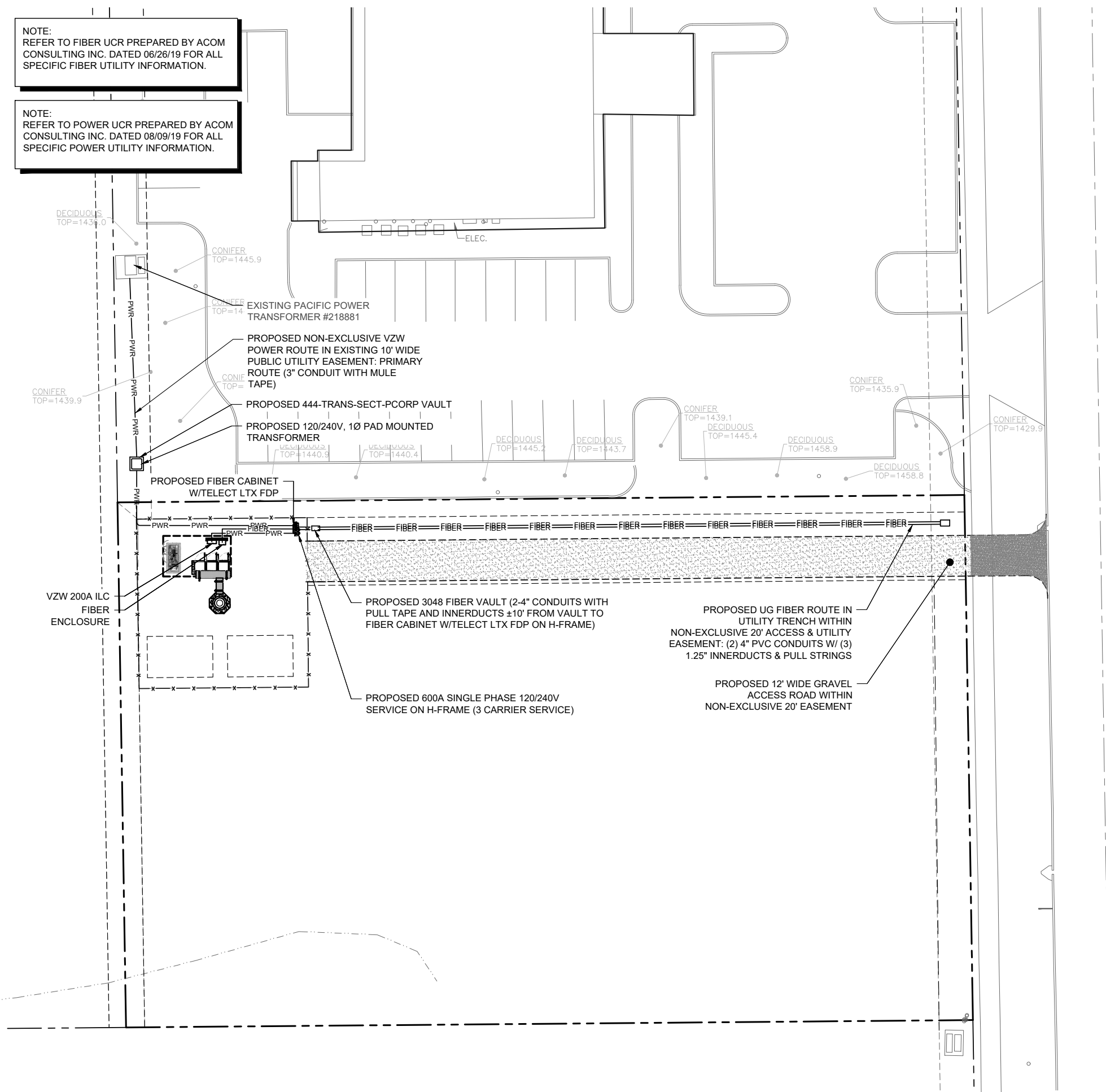
OR3 WILDHORSE
 72544 COYOTE ROAD
 PENDLETON, OREGON 97801

ONE-LINE DIAGRAMS & PANEL SCHEDULE

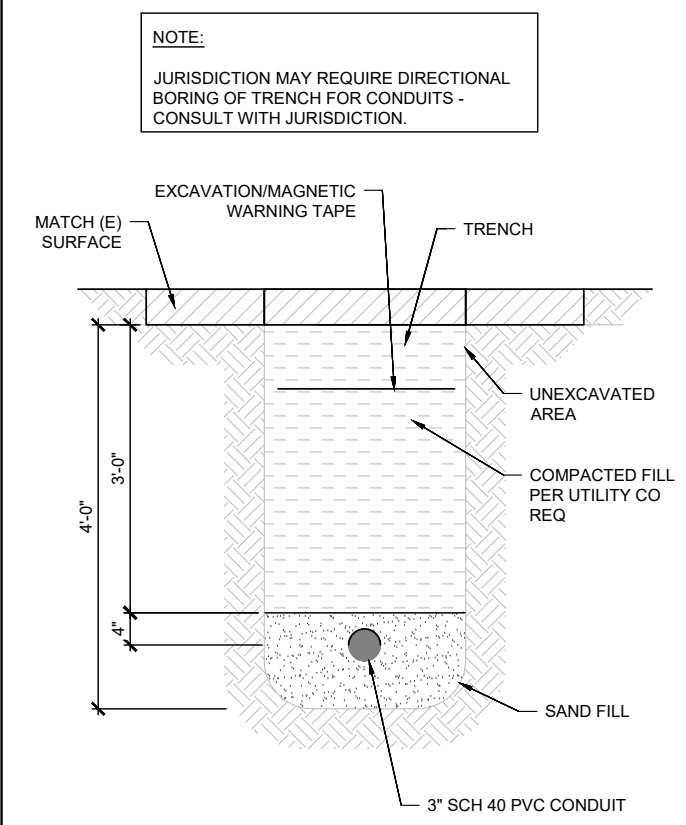
E-2

NOTE:
REFER TO FIBER UCR PREPARED BY ACOM CONSULTING INC. DATED 06/26/19 FOR ALL SPECIFIC FIBER UTILITY INFORMATION.

NOTE:
REFER TO POWER UCR PREPARED BY ACOM CONSULTING INC. DATED 08/09/19 FOR ALL SPECIFIC POWER UTILITY INFORMATION.



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
FIBER TRENCH 2



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
POWER TRENCH 3

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
| F | 10/06/22 | RM | 90% PCD REVIEW |
| G | 11/14/22 | RM | 90% PCD REVIEW |
| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:
verizon

A&E CONSULTANT:
Acom CONSULTING, INC

SITE ACQUISITION AND PERMITTING:
BLACK ROCK

VECTOR ENGINEERS

OR3 WILDHORSE
72544 COYOTE ROAD
PENDLETON, OREGON 97801

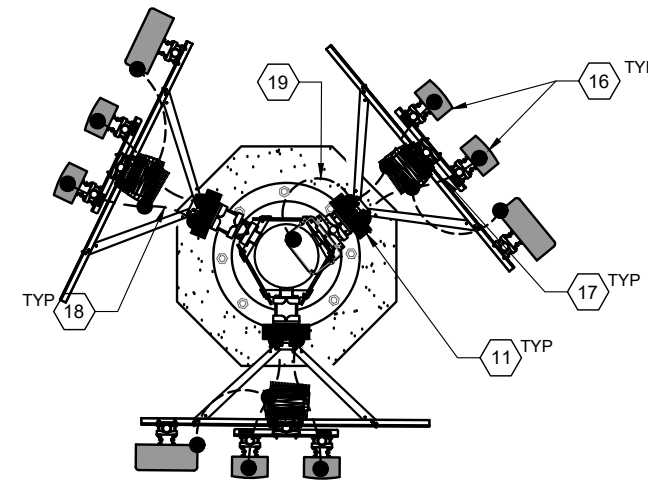
ELECTRICAL SITE PLAN

E-3

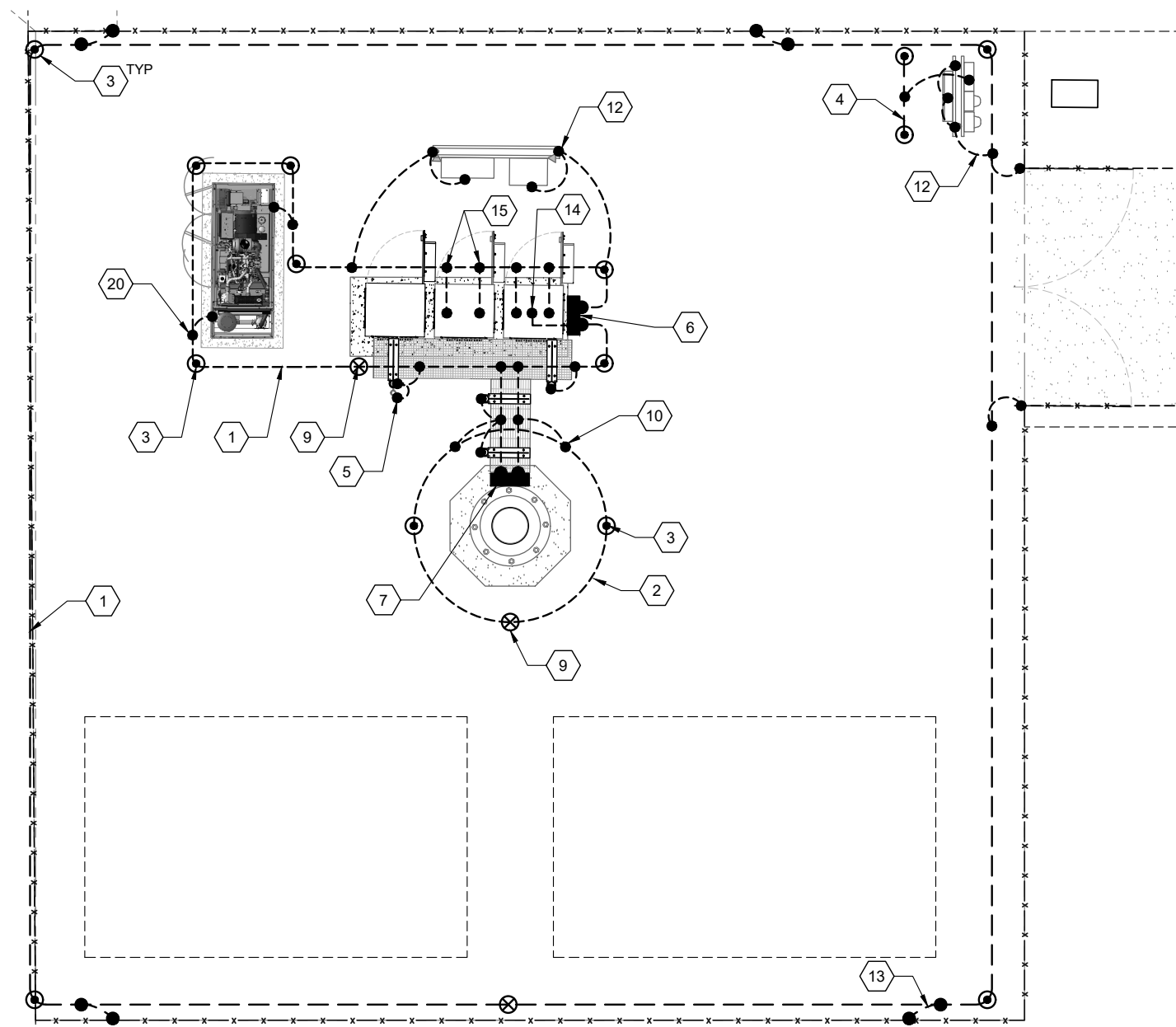
GROUNDING PLAN - KEYED NOTES

- 1 PROVIDE (1) #2 SBTC EXTERNAL GROUND RING (EGR), MINIMUM 36" BELOW , OR AS SHOWN, FROM THE PAD FOUNDATION AND ALL FOOTINGS, 24" MINIMUM RADIUS. BOND TO GROUND RODS.
- 2 PROVIDE (1) #2 SBTC TOWER GROUND RING (TGR), MINIMUM 36" BELOW , OR AS SHOWN, FROM THE PAD FOUNDATION AND ALL FOOTINGS, 24" MINIMUM RADIUS. BOND TO GROUND RODS.
- 3 PROVIDE 5/8" X 8'-0" LONG COPPER CLAD, STEEL GROUND ROD DRIVEN TO 30" BELOW GRADE, MAX SPACING 15'-0". MIN SPACING 8'-0". (ALTERNATE FOR ROCK "THOMPSON" #223, 18" X 18" X 20GA COPPER PLATE, MAX SPACING 10'-0" O.C.) TYPICAL.
- 4 PROVIDE SERVICE GROUND PER NEC
- 5 PROVIDE (1) #2 SBTC GROUND CONNECTION FROM GPS TO EXTERNAL GROUND RING.
- 6 PROVIDE TIN PLATED COPPER EXTERNAL GROUND BAR (EGB) ON EQUIPMENT PAD. VERIFY LOCATION WITH VERIZON WIRELESS FCM. HARGER #T-GBI-14420-J, OR EQUAL. PROVIDE (4) #2/0 GREEN CU., FROM EGB TO EGR. PROVIDE SEPARATE 1-1/4" SCHEDULE 40 PVC CONDUIT SLEEVES AS REQUIRED TO ISOLATE AND PROTECT CONDUCTORS. CONNECT #6 WAVEGUIDE SHEATH GROUNDS AS REQUIRED.
- 7 PROVIDE TIN PLATED COPPER EXTERNAL GROUND BAR (EGB) AT +36" ON TOWER. VERIFY LOCATION WITH VERIZON WIRELESS FCM. HARGER #T-GBI-14420-J, OR EQUAL. PROVIDE (2) #4/0 GREEN CU., FROM EGB TO EGR OR TGR. PROVIDE SEPARATE 1-1/4" SCHEDULE 40 PVC CONDUIT SLEEVES AS REQUIRED TO ISOLATE AND PROTECT CONDUCTORS. CONNECT #6 WAVEGUIDE SHEATH GROUNDS AS REQUIRED
- 8 PROVIDE (1) #2 SBTC FROM EGR OR TGR TO EACH WAVEGUIDE BRIDGE SUPPORT LEG PER GROUNDING STANDARDS. TYPICAL.
- 9 PROVIDE GROUND INSPECTION WELL PER GROUNDING STANDARDS.
- 10 BOND NEW EGR TO NEW TGR PER VERIZON WIRELESS GROUNDING STANDARDS. TYPICAL.
- 11 REFERENCE DETAIL 3/E6.0, PROVIDE THREE(3) 6" TIN PLATED COPPER EXTERNAL GROUND BARS (EGB), ONE PER SECTOR. ON TOWER AT ANTENNA PLATFORM LEVEL. VERIFY LOCATION WITH VERIZON WIRELESS FCM. HARGER #T-GBB-1426-G, OR EQUAL. BOND DIRECTLY TO TOWER (NO ISOLATION) PER GROUNDING STANDARDS. CONNECT #6 WAVEGUIDE SHEATH GROUNDS AS REQUIRED.
- 12 PROVIDE (1) #2 SBTC GROUND LEAD FROM EGR TO H-FRAME PER GROUNDING STANDARDS. BOND BOTH POSTS.
- 13 PROVIDE (1) #2 SBTC GROUND LEAD FROM EGR TO STEEL FENCE PER GROUNDING STANDARDS. BOND ALL ADJACENT POSTS.
- 14 BATTERY REFERENCE GROUND
- 15 PROVIDE (1) #2 GREEN CU. GROUND LEAD FROM THE EQUIPMENT GROUND LEAD AND BOND TO THE EQUIPMENT CABINET PER THE GROUNDING STANDARDS. TYPICAL.
- 16 NEW VERIZON WIRELESS ANTENNAS
- 17 PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO ANTENNA
- 18 PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO RRU
- 19 PROVIDE #2 SBTC BOND FROM ANTENNA GROUND BAR TO OVP'S
- 20 PROVIDE (1) #2 SBTC GROUND LEAD FROM EGR TO GENERATOR STEEL FRAME PER GROUNDING STANDARDS

| SYMBOL | DESCRIPTION |
|--------|------------------|
| ■ | GROUND BAR |
| ● | CONNECTION |
| ⊙ | GROUND ROD |
| ⊗ | GROUND TEST WELL |



ANTENNA GROUNDING PLAN



PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

| NO. | DATE | DRAWN | REVISION |
|-----|----------|-------|----------------|
| F | 10/06/22 | RM | 90% PCD REVIEW |
| G | 11/14/22 | RM | 90% PCD REVIEW |
| H | 12/08/22 | RM | 90% PCD REVIEW |
| I | 01/09/23 | KM | 90% PCD REVIEW |
| J | 01/20/23 | KM | 90% PCD REVIEW |

CLIENT:

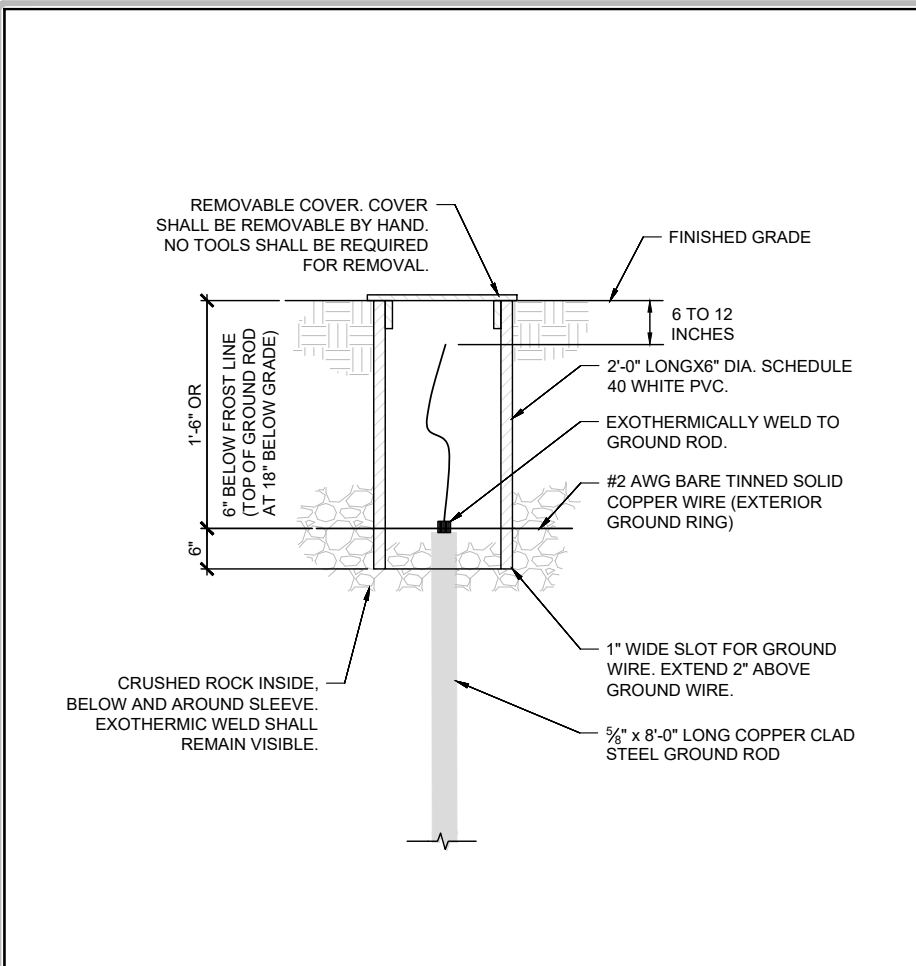
A&E CONSULTANT:

SITE ACQUISITION AND PERMITTING:

**OR3
WILDHORSE**
72544 COYOTE ROAD
PENDLETON, OREGON 97801

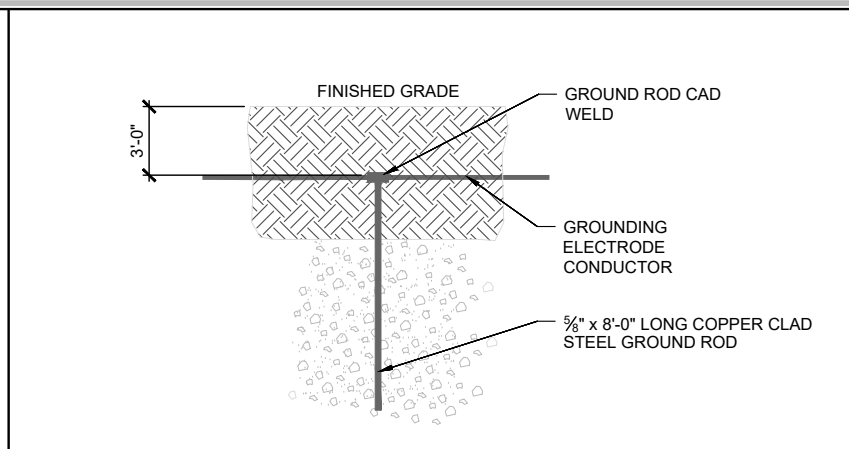
**ELECTRICAL
GROUNDING PLAN**

E-4



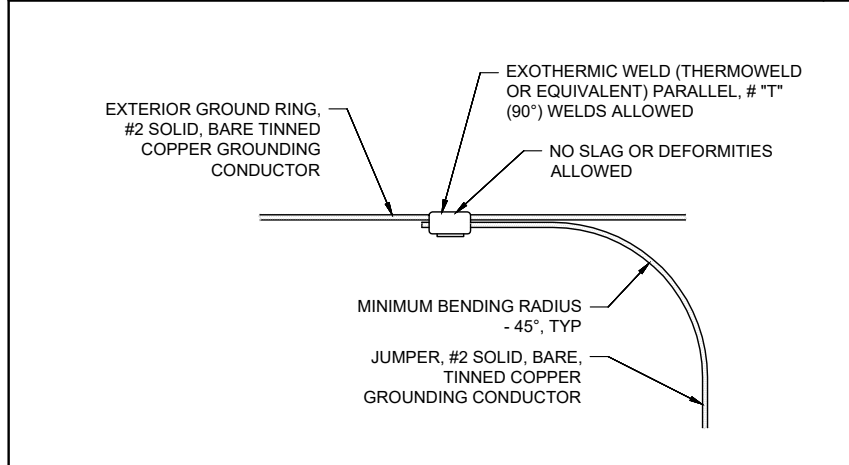
22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

GROUND INSPECTION WELL 1



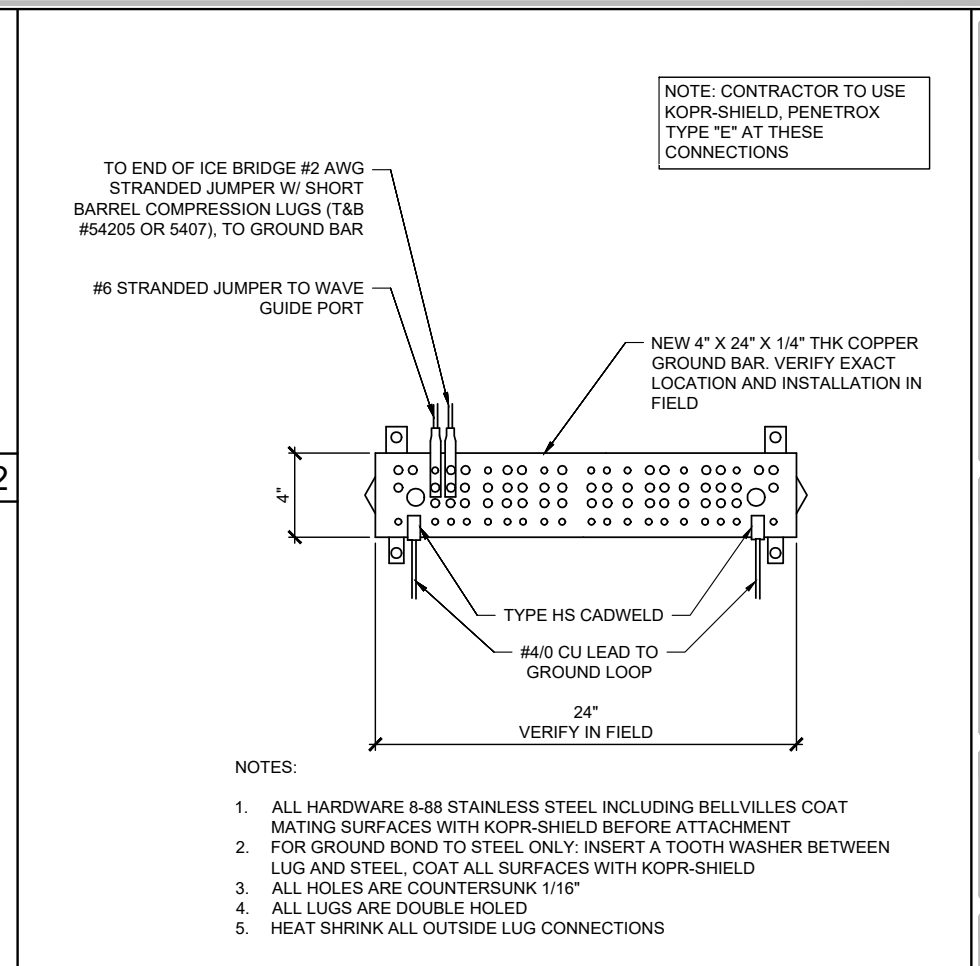
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11"x17" SCALE: NOT TO SCALE

GROUND ROD 2



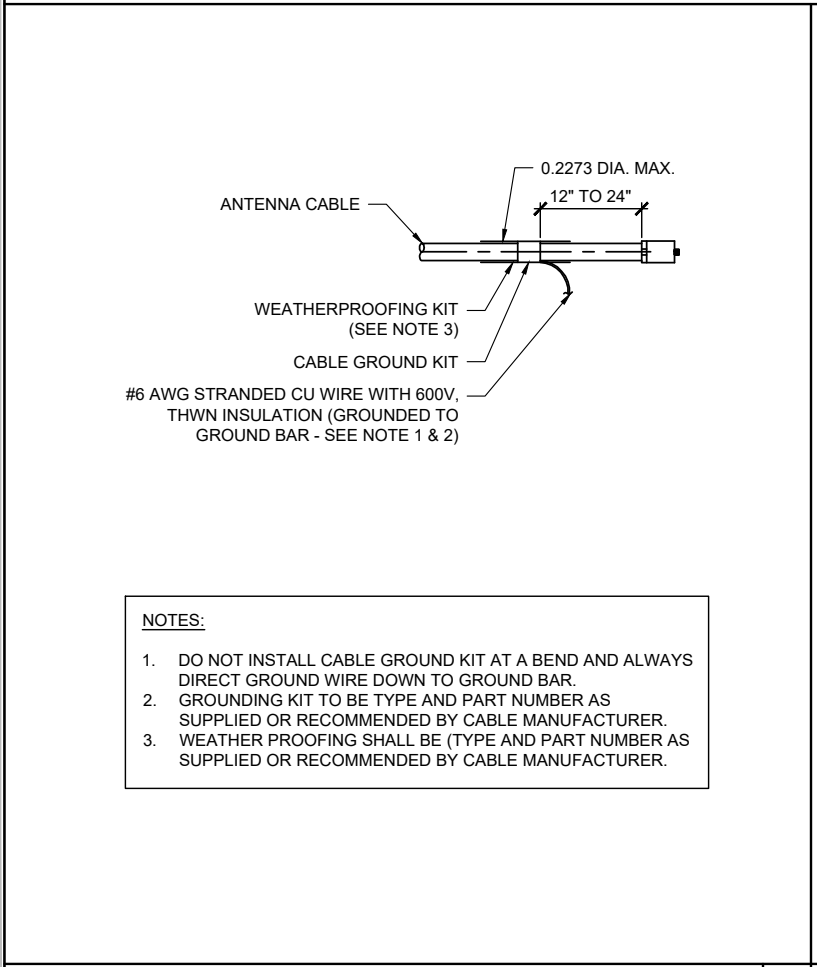
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11"x17" SCALE: NOT TO SCALE

TYP GRD CONNECTION 3



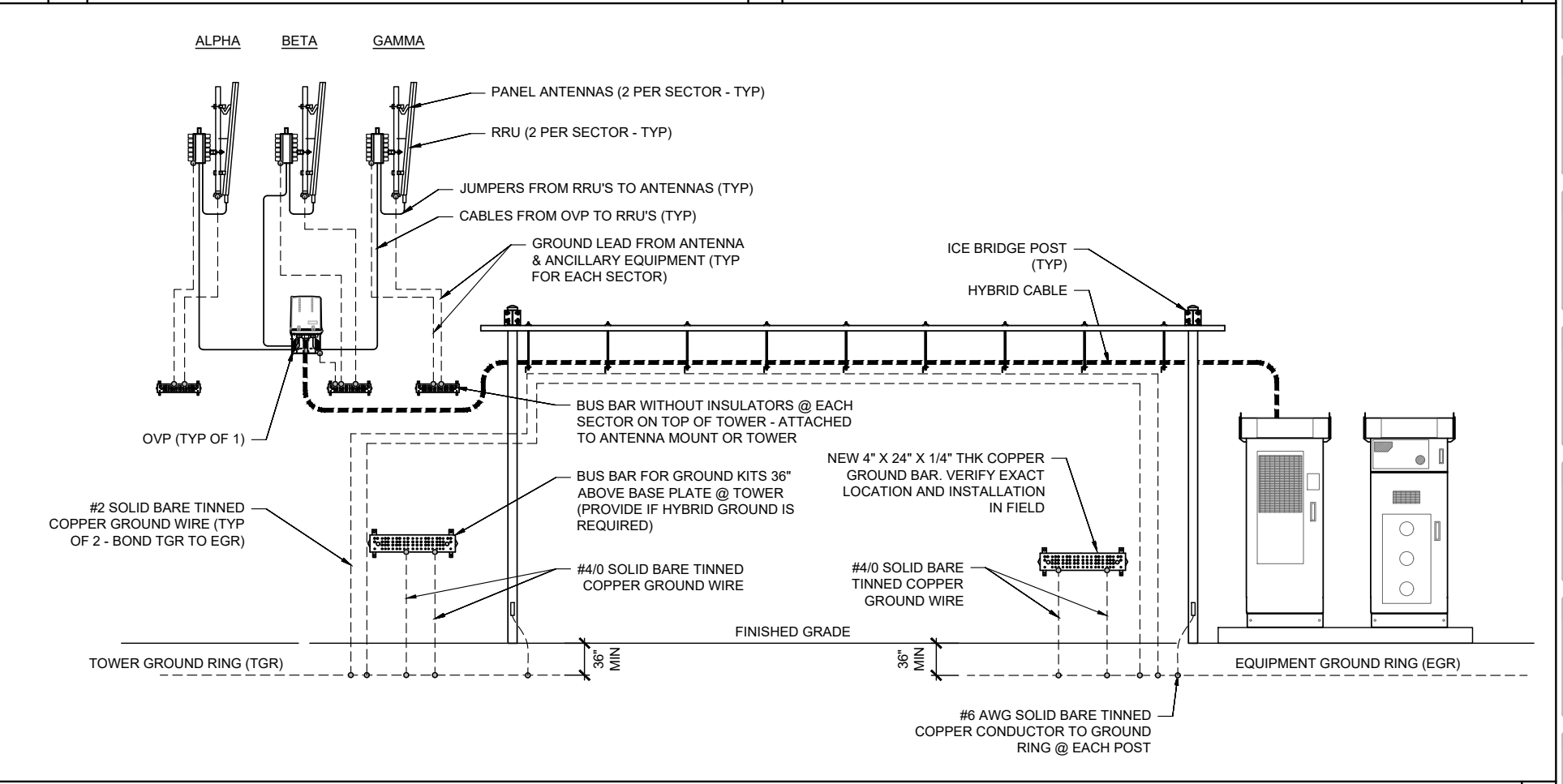
22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

MAIN GROUND BAR DETAIL 4



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

GROUND KIT TO ANTENNA CABLE 5

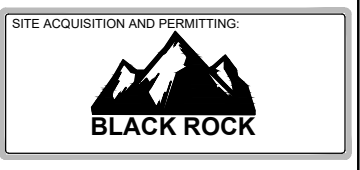


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11"x17" SCALE: NOT TO SCALE

GROUNDING DIAGRAM 6

PRELIMINARY DRAWINGS
NOT FOR CONSTRUCTION

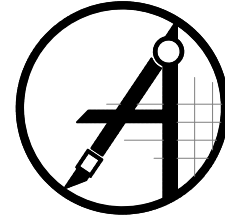
| NO. | DATE | DRAWN | REVISION |
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| J | 01/20/23 | KM | 90% PCD REVIEW |



OR3 WILDHORSE
72544 COYOTE ROAD
PENDLETON, OREGON 97801

GROUNDING DETAILS

E-5



ambit consulting
 245 SAINT HELENS AVE. SUITE 3A
 TACOMA, WASHINGTON 98402
 PH. (253) 572-9181

1-A ACCURACY CERTIFICATION

C/O ACOM Consulting Inc.

Date of Survey: 03/19/2019

Date of Issue: 04/11/2019

Site Name: OR3 - WILDHORSE
 Site Type: Raw Land
 Site Location: 72556 Coyote Road
 Pendleton, OR 97801
 Umatilla County



I, Dan L. Gilbert, hereby certify that the coordinate at the center of the proposed tower structure is:

Centroid of Geodetic Coordinates:

NORTH AMERICAN DATUM 1983, (N.A.D.83)

Latitude: 45° 38' 36.72" (45.643533°) North
 Longitude: 118° 41' 12.38" (118.686772°) West

NORTH AMERICAN DATUM 1927, (N.A.D.27)

Latitude: 45° 38' 37.25" North
 Longitude: 118° 41' 08.46" West

And further certify that the elevation and heights referenced hereon are as follows:

Elevation at Base of **Proposed** Structure = 1420.6 Feet (NAVD88)
 = 1417.3 Feet (NGVD29)

The horizontal accuracy of the latitude and longitude at the center of each sector falls within fifteen (15) feet. The elevations (NAVD88) of the ground and fixtures fall within three (3) feet. The measured heights (A.G.L.) are within +/- one (1) foot vertically. Geodetic Coordinates and Elevations were established using Survey Grade G.P.S. Receivers.



Notice Criteria Tool

[Notice Criteria Tool - Desk Reference Guide V_2018.2.0](#)

The requirements for filing with the Federal Aviation Administration for proposed structures vary based on a number of factors: height, proximity to an airport, location, and frequencies emitted from the structure, etc. For more details, please reference [CFR Title 14 Part 77.9](#).

You must file with the FAA at least 45 days prior to construction if:

- your structure will exceed 200ft above ground level
- your structure will be in proximity to an airport and will exceed the slope ratio
- your structure involves construction of a traverseway (i.e. highway, railroad, waterway etc...) and once adjusted upward with the appropriate vertical distance would exceed a standard of 77.9(a) or (b)
- your structure will emit frequencies, and does not meet the conditions of the [FAA Co-location Policy](#)
- your structure will be in an instrument approach area and might exceed part 77 Subpart C
- your proposed structure will be in proximity to a navigation facility and may impact the assurance of navigation signal reception
- your structure will be on an airport or heliport
- filing has been requested by the FAA

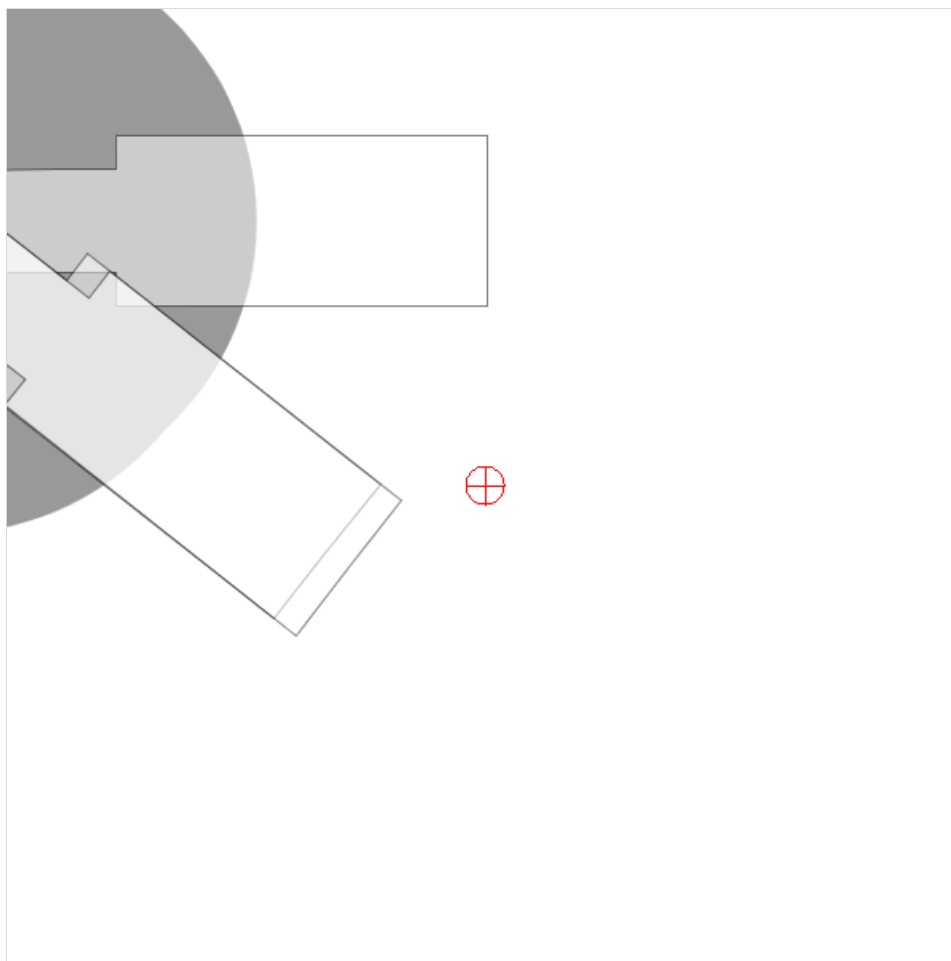
If you require additional information regarding the filing requirements for your structure, please identify and contact the appropriate FAA representative using the [Air Traffic Areas of Responsibility map](#) for Off Airport construction, or contact the [FAA Airports Region / District Office](#) for On Airport construction.

The tool below will assist in applying Part 77 Notice Criteria.

| | |
|---------------------------------|--|
| Latitude: | <input type="text" value="45"/> Deg <input type="text" value="38"/> M <input type="text" value="36.72"/> S <input type="button" value="N ▼"/> |
| Longitude: | <input type="text" value="118"/> Deg <input type="text" value="41"/> M <input type="text" value="12.38"/> S <input type="button" value="W ▼"/> |
| Horizontal Datum: | <input type="button" value="NAD83 ▼"/> |
| Site Elevation (SE): | <input type="text" value="1421"/> (nearest foot) |
| Structure Height : | <input type="text" value="154"/> (nearest foot) |
| Traverseway: | <input type="button" value="No Traverseway ▼"/> (Additional height is added to certain structures under 77.9(c)) User can increase the default height adjustment for Traverseway, Private Roadway and Waterway |
| Is structure on airport: | <input checked="" type="radio"/> No <input type="radio"/> Yes |

Results

You do not exceed Notice Criteria.



February 8, 2023

Confederated Tribes of the Umatilla Indian Reservation (CTUIR) Umatilla County
Pendleton, OR, 97801

**Site Analysis - Verizon Wireless - Wildhorse
72544 Coyote Road, Pendleton, Oregon 97801**

Overview and Service Area:

Verizon Wireless strives to provide excellent wireless service with a network of cell sites that allows our customers to reliably place and receive mobile phone calls. In this particular case, we are trying to remedy capacity and coverage challenges in Umatilla County Oregon including the lands of the CTUIR and the City of Pendleton. Specifically, the Wildhorse site will improve coverage generally south and east of the City of Pendleton and in the lands of the CTUIR. The completed site will provide service in the areas southeast of Pendleton, lands of the CTUIR, along US HWY 1-84 and OR HWY 331 as shown on the Coverage Maps below. This site will add needed capacity to this area so that customers will receive better service and faster data speeds. Construction of the proposed site entails installing nine (9) antennas, auxiliary equipment, and the supporting base station equipment at 72544 Coyote Road, Pendleton, Oregon 97801.

Coverage:

In order to provide excellent cellular service, which Verizon Wireless defines as -80 dBm or better, the antenna height and site location need to provide a line of sight to the roads, offices, and homes where our customers work and reside. Six (6) multi-frequency antennas and three (3) Ultra Wideband antenna-integrated radio units are being proposed in order to provide the necessary radio frequencies supporting all of Verizon Wireless voice and data services. The proposed tower height of 150 feet, with an antenna tip height of 154 feet' is the minimum height needed for the effective functioning of the proposed antennas.

Capacity:

An additional function of some wireless sites, such as the subject Wildhorse site, is to provide additional capacity in an area. The capacity of wireless networks is limited by the spectrum availability, the number of available antennas, and the radios and amplifiers associated with those antennas and spectrum. When a mobile user attempts to make a call on a wireless network where capacity is limited by these factors, the resulting delay and busy signal can be very frustrating. To remedy capacity issues, additional sites and or spectrum, which are directly correlated to the number of antennas at the site as outlined below, are added to an area to provide additional calling capacity for Verizon Wireless customers. There are not many Verizon Wireless sites in the area. The closest existing site is North East part of Pendleton. To remedy the reduced capacity, the subject site is being proposed so that calls at surrounding sites can be "offloaded" to the proposed site and thus creating more wireless capacity for the vicinity. In order for this capacity off-loading to be successful, precise placement of the new antennas is necessary. If the site is too far away, the signal will not have adequate strength to capture calls from the impacted existing sites or cells. Similarly, sites that are too close together will not provide the needed capacity relief to the existing sites. Thus, for new

site/cell capacity solutions to work, site placement and height are critical factors and must be chosen carefully.

Alternative Sites Reviewed:

When designing an existing or new coverage expansion area(s), Verizon Wireless will first attempt to utilize an existing tower or structure for collocation at the desired antenna height. If an existing tower or structure is not available or not attainable because of space constraints or unreliable structural design, Verizon Wireless will propose a new tower or installation on an existing structure that is not a collocation.

Propagation Maps:

There are several methods for determining where coverage gaps exist within a given network of wireless sites. One of these is through the use of propagation maps. The propagation map is a computer simulation of the strength of Verizon Wireless signals at a given height and location in the context of the network. Propagation maps are one tool for determining whether a proposed site will meet the coverage objective and what antenna height is needed to provide robust service for Verizon Wireless customers. The radio propagation tool is designed to take factors such as terrain, tree coverage, and existing buildings into account, so that it depicts a reliable estimate of coverage that would be provided by a proposed site.

The propagation maps that follow show three levels of service, designated as the following colors:

Red \geq -80 dBm, a level of service adequate for providing reliable coverage inside a building

Orange \geq -90 dBm, a level of service adequate for providing reliable coverage outdoors or inside a car

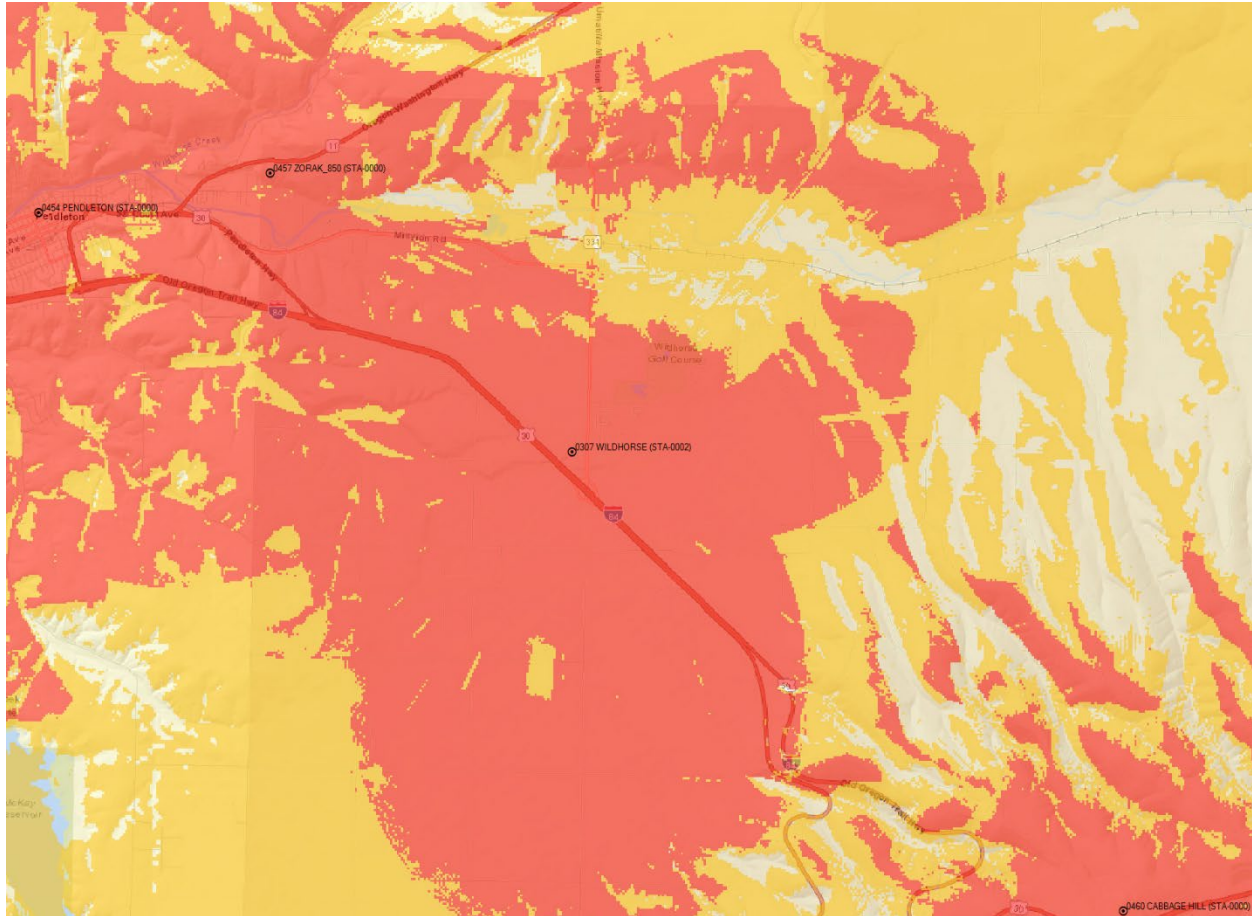
White \leq -90 dBm, unreliable signal strength, may not be not capable of reliably making and holding a call depending on environment

The proposed site will offload the existing sites to provide additional capacity in the Verizon Wireless network as well as add needed coverage between existing sites in our target service area.

Before Wildhorse:



After Wildhorse:



Site Location:

The location of the subject site has been selected based on its relationship with surrounding Verizon Wireless sites within Umatilla County and the City of Pendleton. The CTUIR code requires that applicants provide justification for the height of a new wireless facility so as to demonstrate that the proposed facility is the minimum height needed for effective antenna functioning and that the antennas have been consolidated as much as feasible. At the proposed location a minimum tower height of 150 feet above ground is required, with an antenna tip height of 154 feet, the code requires a variance for any height above 120 feet. Therefore, a variance of 30 feet is required to meet the minimum tower height of 150 feet, with a variance of 34 feet with an antenna tip height of 154 feet. The antennas have been consolidated as much as possible and still meet coverage objectives. These antennas need line of site to the desired service area. They must be faced to the coverage area with nothing directly between the coverage area and the antenna so that beam is not blocked.

Spectrum:

The Wildhorse site will utilize our 700 MHz C, 850 MHz A, AWS BCD 2120-2140 MHz, PCS A5D+E 1940-1950 / 1965-1970 MHz, UWB C-Band 3700-3780 MHz. It will essentially be 5 wireless facilities located in the same physical equipment area. The proposed technologies are 700 LTE 4G MIMO, 850 LTE 4G MIMO, AWS LTE 4G MIMO, PCS LTE 4G MIMO, and 5G NR UWB C-Band.

Design:

Each licensed frequency has specific propagation characteristics further influenced by hardware power limitations. The 750 MHz band has better propagation characteristics than 2100 MHz (AWS) band. The lower frequency bands received signal will be stronger at the mobile phone than the higher frequency signal if all are transmitted from the same base station with the same output power and same coding scheme. With the addition of the new LTE bands, and recognizing jurisdictional need to minimize the number of antennas per sector / site Verizon Wireless has made the design decision to utilize cross pole multi band antennas for all LTE frequencies. The cross pole antennas can be thought of as six vertically stacked antennas in the same physical package. To give Wildhorse the best possible 5G service, it is designed with 64 transmit / 64 receive antenna-integrated radio units. Wildhorse has been designed with six (6) LTE antennas and (3) 5G antenna-radio integrated units, for a total of nine (9) total antennas.

Wireless E-911:

Approximately 400,000 Wireless 911 calls are made every day nationwide, and this number continues to increase. (source: CTIA, the Wireless Association) Wireless E-911 service depends on reliable signal strength and a fairly dense network of antenna sites in order to function effectively. Because of our federally mandated obligation to provide wireless E-911 service, signal reliability is paramount.

Summary:

In summary, the proposed site would meet the RF coverage objective of the subject site. The height of the nine (9) antenna array is the minimum required for the effective functioning of the proposed minor communication utility.

Regards,

Chris Steele
RF Design
Verizon Wireless
Pacific Northwest Region



PUBLIC HEARING NOTICE DISSEMINATION RECORD

File #: V-23-001; Variance request filed by Kimberly Spongberg of Blackrock, LLC
P.O. Box 1744 Tualatin, OR 97062

Land Protection Planning Commission Public Hearing Date: March 14, 2023

Newspaper and Date Published; East Oregonian: March 4, 2023
CUJ: March 2, 2023

Posted in six public Places;

1. Mission Market: March 1, 2023
2. Yellowhawk Tribal Health Clinic: March 1, 2023
3. BIA Umatilla Agency: March 1, 2023
4. CTUIR Housing Department: March 1, 2023
5. Nixyáawii Governance Center: March 1, 2023
6. CTUIR web site: <https://ctuir.org/events/lppc-public-hearing-v-23-001-tsp-20-year-update/>

Attached are copies of the public hearing notices that were posted, published and mailed to all interested parties, subject property owners and adjacent property owners, as required by Land Development Code Section 13.020.



PUBLIC HEARING NOTICE

NOTICE IS HEREBY GIVEN that the Land Protection Planning Commission of the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) will hold the following public hearings:

Conditional Use File #CU-23-001 – Applicant, CTUIR Department of Natural Resources – Range, Agricultural and Forestry Program seeks approval from the Land Protection Planning Commission to complete a timber harvest on multiple lots owned by the CTUIR in fee and trust. The subject properties are identified as Tax Lots 110, 133, 140, 4660, 4670, 4690, 4800, 4900, 5000, 6300, 6400, 6500, 6600, 6800, 6900, and 7000 within Umatilla County Tax Map 2N35 in sections 20, 21, 22, 30, 31, and 32 along with trust lots 513, 514, 547, 548, 550, 694, 764, 765, 766, 767, 768, 808, 890, 892, 893, 896, 898, 912, 916, 956, 1021, 1178, 1191, 1278, 1043-A, 1057-A, 766-A, T1017, T1018, T1125, T2110, T2111, T2121, T546, T844-C, T844-D, and T897 all within the external boundaries of the Umatilla Indian Reservation. The proposed harvest would be a timber harvest within the taxlots to reduce fire danger and improve forest health. The subject property is zoned G-1, Big Game Grazing, where a timber harvest to remove more than 5,000 board foot gross is listed as a Conditional Use. Conditional Use approvals are subject to the CTUIR Land Development Code Chapters 6 and 13. This hearing is rescheduled from the February 28, 2023 meeting of the LPPC.

Variance File #V-23-001 – Applicant, Verizon Wireless through agent Kimberly Spongberg of Blackrock LLC, P.O. Box 1744 Tualatin, OR 97062, seeks approval from the Land Protection Planning Commission for a variance to the height standard in the C-D, Commercial zone to construct a new wireless communications facility consisting of a 150' monopole with antennas (up to a height of 154') within lot 12 of Coyote Business Park North, a portion of Tribal Trust property T2103-A. The proposed location is at 72544 Coyote Road, and is located within Township 2N Range 33E, Section 21 on the Umatilla Indian Reservation. The allowed height limit within the C-D zone is 120'. Variance approvals are subject to the CTUIR Land Development Code Chapters 8 and 13.

Transportation System Plan 20-Year Update – Applicant, Tribal Planning Office, seeks a recommendation from the Land Protection & Planning Commission that the Board of Trustees adopt the updated Transportation System Plan (TSP) to replace the 2001 TSP. This plan updates the 2001 project list based on research of past plans; traffic analysis; and community input and feedback. It also develops criteria for evaluating future proposed projects based on seven (7) proposed goals: Safety; Environment and Cultural Heritage; Health; Equity and Accessibility; Connectivity; Coordination; and Financial Stability. More information about the plan can be found at: <https://ctuir.org/departments/tribal-planning-office/transportation-system-plan-update-2022/>

These hearings will be held on **Tuesday, March 14, 2023 beginning at 9:00 a.m.** Individuals may attend the meeting in the Walúula and Wanaqit conference rooms at the Nixyáawii Governance Center, virtually, or by phone. Information on joining the meeting online is available at <https://ctuir.org/events/lppc-public-hearing-v-23-001-tsp-20-year-update/>. Participation in the hearing will also be available by phone at 321-754-9526 starting at 9:00 a.m. on the day of the hearing. The conference ID will be 586 048 574#.

Staff reports and other materials pertaining to the hearing are available for review at the link above, or can be requested from the Tribal Planning Office by calling 541-276-3099.

The public is entitled and encouraged to participate in the hearing and submit testimony regarding the request. Written comments may be sent to tpo@ctuir.org or to the Tribal Planning Office at 46411 Timine Way Pendleton, OR 97801 for receipt by 4:00 p.m. March 13, 2023.

PUBLIC HEARING NOTICE

NOTICE IS HEREBY GIVEN that the Land Protection Planning Commission of the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) will hold the following public hearings:

Conditional Use File #CU-23-001 – Applicant, CTUIR Department of Natural Resources – Range, Agricultural and Forestry Program seeks approval from the Land Protection Planning Commission to complete a timber harvest on multiple lots owned by the CTUIR in fee and trust. The subject properties are identified as Tax Lots 110, 133, 140, 4660, 4670, 4690, 4800, 4900, 5000, 6300, 6400, 6500, 6600, 6800, 6900, and 7000 within Umatilla County Tax Map 2N35 in sections 20, 21, 22, 30, 31, and 32 along with trust lots 513, 514, 547, 548, 550, 694, 764, 765, 766, 767, 768, 808, 890, 892, 893, 896, 898, 912, 916, 956, 1021, 1178, 1191, 1278, 1043-A, 1057-A, 766-A, T1017, T1018, T1125, T2110, T2111, T2121, T546, T844-C, T844-D, and T897 all within the external boundaries of the Umatilla Indian Reservation. The proposed harvest would be a timber harvest within the taxlots to reduce fire danger and improve forest health. The subject property is zoned G-1, Big Game Grazing, where a timber harvest to remove more than 5,000 board foot gross is listed as a Conditional Use. Conditional Use approvals are subject to the CTUIR Land Development Code Chapters 6 and 13. This hearing is rescheduled from the February 28, 2023 meeting of the LPPC.

Variance File #V-23-001 – Applicant, Verizon Wireless through agent Kimberly Sponberg of Blackrock LLC, PO Box 1744 Tualatin, OR 97062, seeks approval from the Land Protection Planning Commission for a variance to the height standard in the C-D, Commercial zone to construct a new wireless communications facility consisting of a 150' monopole with antennas (up to a height of 154') within lot 12 of Coyote Business Park North, a portion of Tribal Trust property T2103-A. The proposed location is at 72544 Coyote Road, and is located within Township 2N Range 33E, Section 21 on the Umatilla Indian Reservation. The allowed height limit within the C-D zone is 120'. Variance approvals are subject to the CTUIR Land Development Code Chapters 8 and 13.

Transportation System Plan 20-Year Update – Applicant, Tribal Planning Office, seeks a recommendation from the Land Protection & Planning Commission that the Board of Trustees adopt the updated Transportation System Plan (TSP) to replace the 2001 TSP. This plan updates the 2001 project list based on research of past plans; traffic analysis; and community input and feedback. It also develops criteria for evaluating future proposed projects based on seven (7) proposed goals: Safety; Environment and Cultural Heritage; Health; Equity and Accessibility; Connectivity; Coordination; and Financial Stability. More information about the plan can be found at: <https://ctuir.org/departments/tribal-planning-office/transportation-system-plan-update-2022/>

These hearings will be held on **Tuesday, March 14, 2023 beginning at 9:00 a.m.** Individuals may attend the meeting in the Walúula and Wanaqit conference rooms at the Nixyáawii Governance Center, virtually, or by phone. Information on joining the meeting online is available at <https://ctuir.org/events/lppc-public-hearing-v-23-001-tsp-20-year-update/>. Participation in the

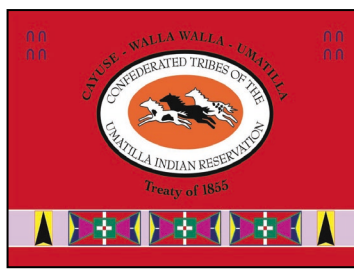
hearing will also be available by phone at 321-754-9526 starting at 9:00 a.m. on the day of the hearing. The conference ID will be 586 048 574#.

Staff reports and other materials pertaining to the hearing are available for review at the link above, or can be requested from the Tribal Planning Office by calling 541-276-3099.

The public is entitled and encouraged to participate in the hearing and submit testimony regarding the request. Written comments may be sent to tpo@ctuir.org or to the Tribal Planning Office at 46411 Timine Way Pendleton, OR 97801 for receipt by 4:00 p.m. March 13, 2023.

**Confederated Tribes of the
Umatilla Indian Reservation
Tribal Planning Office**

Zoning, Development Permits
Environmental Health & Public Transit



46411 Timine Way
Pendleton, OR 97801

www.ctuir.org
Phone 541-276-3099

email: info@ctuir.org
Fax: 541-276-3099

March 3, 2023

PUBLIC HEARING NOTICE

Dear Property Owner:

On March 14, 2023 the Land Protection Planning Commission of the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) will hold a public hearing concerning a Conditional Use request as described below. You are receiving this notice because you are an owner of property located within 250 feet of the subject property (see map enclosed). According to Section 13.020 of the CTUIR Land Development Code, all owners of property located within 250 feet of the property which is the subject of a public hearing shall be given written notice by mail at least ten days prior to a public hearing.

Variance File #V-23-001 – Applicant, Verizon Wireless through agent Kimberly Spongberg of Blackrock LLC, PO Box 1744 Tualatin, OR 97062, seeks approval from the Land Protection Planning Commission for a variance to the height standard in the C-D, Commercial zone to construct a new wireless communications facility consisting of a 150' monopole with antennas (up to a height of 154') within lot 12 of Coyote Business Park North, a portion of Tribal Trust property T2103-A. The proposed location is at 72544 Coyote Road, and is located within Township 2N Range 33E, Section 21 on the Umatilla Indian Reservation. The allowed height limit within the C-D zone is 120'. Variance approvals are subject to the CTUIR Land Development Code Chapters 8 and 13.

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Staff reports and other materials pertaining to the hearing are available for review at the link above, or can be requested from the Tribal Planning Office by calling 541-276-3099.

The public is entitled and encouraged to participate in the hearing and submit testimony regarding the request. Written comments may be sent to tpo@ctuir.org or to the Tribal Planning Office at 46411 Timine Way Pendleton, OR 97801 for receipt by 4:00 p.m. March 13, 2023.

Sincerely,

Holly Anderson
Associate Planner

V-23-001 Public Notice Recipients

Trust & Allotment Recipients

| Ownership | Parcel |
|-----------|---------|
| T | T2103-A |
| T | T5576-J |

Taxlot Recipients

| Ownership | Taxlot | Owner |
|-----------|---------------|-------------------|
| F | 2N33000004200 | Catherine Loiland |

Business/Lessee Recipients

| Contact | Business | Address |
|---|--|--|
| Owner/Manager | Subway | 46440 Kusi Road Suite #A-1 Pendleton, OR 97801 |
| Owner | Ruby's Indian Crafts & Supplies | 46440 Kusi Road Suite #A-2 Pendleton, OR 97801 |
| Owner/Manager | DaVita Blue Mountain Kidney Center | 72553 Coyote Road Pendleton, OR 97801 |
| Eric Watrud, Forest Supervisor | United States Forest Service | 72510 Coyote Road Pendleton, OR 97801 |
| Gary George, CEO | Wildhorse Resort & Casino | By e-mail |
| Tom Fine, General Manager | Arrowhead Travel Plaza | By e-mail |
| Dave Tovey, Executive Director | Nixyáawii Community Financial Services | By e-mail |
| Deb Croswell, Executive Managing Director | Cayuse Technologies | By e-mail |

Agency Recipients

| Contact | Agency | Address |
|--------------------|---------------|---|
| Operations Manager | Pacific Power | P.O. Box 220 Pendleton, OR 97801 |
| Superintendent | BIA | via e-mail |
| District #12 | ODOT | 1327 SE 3 rd Street Pendleton, OR 97801 |



MEMORANDUM

DATE: February 9, 2023
TO: Tribal Staff Review Committee (TSRC)
FROM: Holly Anderson, Associate Planner, Tribal Planning Office
REGARDING: Meeting Thursday February 16, 2023, 11:00 am Conference Room L201A

The Tribal Staff Review Committee will meet on Thursday, February 16, 2023 at 11:00 am to review the following application:

Variance Application File #V-23-001 – Applicant, Verizon Wireless through agent Kimberly Spongberg of Blackrock LLC seeks approval from the Land Protection Planning Commission for a variance to the height standard in the C-D, Commercial zone to construct a new wireless communications facility consisting of a 150' monopole with antennas (tip height 154') within lot 12 of Coyote Business Park North, a portion of Tribal Trust property T2103-A. The allowed height limit within the C-D zone is 120'. The proposed location is at 72544 Coyote Road, and is located within Township 2N Range 33E, Section 21 on the Umatilla Indian Reservation. Variance approvals are subject to the CTUIR Land Development Code Chapters 8 and 13.

Note, this application was originally submitted in 2019 and a TSRC Meeting held December 9, 2019. Since then the Cultural Resources review and NEPA analysis have been completed with a Finding of no Significant Impact (FONSI) issued by the BIA on March 4, 2021.

The application and supporting materials for this request are posted on the **Z:/ Drive** in the **TPO** folder. If you have questions or need further information, please contact Holly Anderson at 541-429-7517. Written comments will be accepted until the end of the day on Tuesday, February 21, 2023.

Transportation System Plan 20-Year Update – Applicant, Tribal Planning Office, seeks a recommendation from the Land Protection & Planning Commission that the Board of Trustees adopt the updated Transportation System Plan (TSP) to replace the 2001 TSP. This plan is a non-cost-constrained plan due to the changing nature of funding availability over a 20-year time span, but according to CFR 25 part 170, the project list produced for this plan must be the basis for developing our short-term 3-5 year Tribal Transportation Improvement Plans, which is the mechanism CTUIR uses to spend BIA formula funds allocated to the Roads Program. Inclusion in this plan also makes projects eligible for many Federal, Tribal, State, and local competitive grant funding programs. This plan updates the 2001 project list based on research of past plans; traffic analysis; and community input and feedback. It also develops criteria for evaluating future proposed projects based on seven (7) proposed goals: Safety; Environment and Cultural Heritage; Health; Equity and Accessibility; Connectivity; Coordination; and Financial Stability. More information about the plan can be found at: <https://ctuir.org/departments/tribal-planning-office/transportation-system-plan-update-2022/>

You may attend this TSRC meeting in person or through Microsoft Teams Video Conference:

Microsoft Teams meeting

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 224 772 351 497 | Passcode: Pm3eVK

Or call in (audio only)

[+1 321-754-9526,251582954#](tel:+13217549526251582954) | phone conference ID: 251 582 954#

**Confederated Tribes *of the*
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Tribal Planning Office**

Zoning, Development Permits
Environmental Health & Public Transit



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Pendleton, OR 97801

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Phone 541-276-3099

email: info@ctuir.org
Fax: 541-276-3099

Each committee member should review the proposals:

- To determine its compatibility with the Tribes' Comprehensive Plan, Land Development Code, and other Tribal Statutes, Resolutions, and Policies;
- To determine the overall impacts this request may impose on Tribal services and utilities, the environment, wildlife, and on the Reservation

A public hearing with the Land Planning Protection Commission (LPPC) is proposed to be scheduled for March 14, 2023 at 9 a.m.

From: [Carey Miller](#)
To: "Thorsgard, Eirik E."
Bcc: [Kristen Tiede](#)
Subject: RE: NHPA Consultation on Wildhorse Cell Tower
Date: Friday, August 21, 2020 9:42:00 AM
Attachments: [THPOLtr_08_03_2020_FINAL.pdf](#)

Eirik,

Thank you for initiating consultation with the CTUIR Tribal Historic Preservation Office and requesting concurrence with a finding of effect for the proposed Verizon Wildhorse-C Telecommunications Facility within the exterior boundaries of the Umatilla Indian Reservation. The BIA states "The findings include at least six historic properties of cultural and religious significance to the Tribe within 10 miles of the project, however recommendations for construction will minimize potential impacts to nearby resources. Therefore, as per §36 CFR 800.5(b), the BIA has determined that the implementation of the proposed undertaking will result in a 'No Adverse Effect' to historic properties."

Tiede (2020:40) concludes, "The proposed monopole does contribute to cumulative effects on the properties. However, using non-reflective materials and natural paint colors would minimize the indirect and cumulative effects impacting these historic properties. Due to the presence of previously recorded archaeological resources in the near vicinity and multiple historic properties of religious and cultural significance to the CTUIR, the CRPP recommends having a monitor present for ground disturbing work. If the design and monitoring recommendations are followed, the CRPP recommends the construction of the Verizon Wildhorse-C telecommunications facility will have no adverse effect on historic properties."

The CTUIR Tribal Historic Preservation Office concurs with a no adverse effect finding if non-reflective materials and natural paint colors are utilized and a cultural resource monitor is present for the ground-disturbing portions of the undertaking.

Please let me know if you have any questions,
Carey

Tiede, Kristen

2020 *Archaeological Survey and Testing and Viewshed Analysis for the Verizon Wildhorse-C Telecommunications Facility, Umatilla Indian Reservation, Umatilla County, Oregon*. Submitted to Tri-Leaf. Confederated Tribes of the Umatilla Indian Reservation, Cultural resources protection Program, Mission, Oregon.

Carey L. Miller
Tribal Historic Preservation Officer/Senior Archaeologist
Confederated Tribes of the Umatilla Indian Reservation
Cultural Resources Protection Program
46411 Timine Way, Pendleton, OR 97801
ph. (541)429-7234
careymiller@ctuir.org
Office Hours: Monday-Thursday

From: Thorsgard, Eirik E [mailto:eirik.thorsgard@bia.gov]
Sent: Monday, August 3, 2020 1:53 PM
To: Carey Miller <CareyMiller@ctuir.org>
Cc: Thorsgard, Eirik E <eirik.thorsgard@bia.gov>
Subject: NHPA Consultation on Wildhorse Cell Tower

laxayem,

Attached is a letter from the Regional Director seeking concurrence on the APE and Finding of Effect and the associated archaeological report and schematic drawing for your review. No hard copy will be forwarded. If you have any questions please do not hesitate to contact me.

Eirik Thorsgard (he/him/his)

Regional Archaeologist

Northwest Region

Bureau of Indian Affairs

(503) 231-6921 (office)

(503) 730-8457 (cell)