

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

THE APPLICATION OF)
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS &)
TAG TOWERS, LLC FOR ISSUANCE OF A CERTIFICATE) CASE NO. 2023-00368
OF PUBLIC CONVENIENCE AND NECESSITY TO)
CONSTRUCT A WIRELESS COMMUNICATIONS)
FACILITY IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF ROCK CASTLE)

SITE NAME: MT VERNON EAST

* * * * *

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC (“Co-Applicants”), by counsel, pursuant to (i) KRS §§278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submits this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of the Applicant with wireless communications services.

In support of this Application, Co-Applicants respectfully provide and state the following information:

1. The complete name and address of the Co-Applicants:
 - a. Cellco Partnership, d/b/a Verizon Wireless, having a local address of 2902 Ring Road, Elizabethtown, KY, 42701.

b. TAG Towers, LLC, having a local address of 108 Forbes Court, Suite 1
Richmond, KY 40475

2. Co-Applicants:

a. Cellco Partnership, d/b/a Verizon Wireless is a Delaware general partnership and a copy of the Statement of Good Standing from Delaware, and the Certificate of Assumed Name is on file with the Secretary of State of Commonwealth of Kentucky and included as part of **Exhibit A**.

b. TAG Towers, LLC is a Delaware general partnership and a copy of the Statement of Good Standing from Delaware, and the Certificate of Authorization is on file with the Secretary of State of Commonwealth of Kentucky and included as part of Exhibit A.

3. Co-Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicant submits this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

4. The Co-Applicant operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. A copy of the Co-Applicant's FCC Registration and Licenses with Authorization to provide wireless services are attached to this Application or described as part of **Exhibit B**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

5. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve the Co-Applicant's services to an area

currently not served or not adequately served by the Co-Applicants by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. A statement from Co-Applicant's RF Design Engineer outlining said need is attached as **Exhibit Q** along with Propagation Maps attached as **Exhibit Q-a**. The WCF is an integral link in the Applicant's network design that must be in place to provide adequate coverage to the service area.

6. To address the above-described service needs, Co-Applicants propose to construct a WCF at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Clyde and Magdaline Collins pursuant to a Deed recorded at Deed Book 154, Page 282 in the office of the County Clerk. The proposed WCF will consist of a 300-foot tall tower, with an approximately 4-foot tall lightning arrestor attached at the top, for a total height of 304-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of the Co-Applicant's radio electronics equipment and appurtenant equipment. The Applicant's equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the manner in which the proposed WCF will be constructed is attached as **Exhibit C** and **Exhibit D**.

7. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete along with a map showing the proposed location as well as the identified like facilities is attached as **Exhibit E**.

8. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for the antennas of the Applicant has also been included as part of **Exhibit C**.

9. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit D**.

10. Co-Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate Applicant's antennas on an existing structure. When suitable towers or structures exist, Co-Applicant attempts to co-locate on existing structures such as communications towers or other structures capable of supporting Applicant's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site. A statement from Co-Applicant, Cellco Partnership, d/b/a Verizon Wireless's RF Design Engineer outlining exploration of co-location opportunities is attached as **Exhibit Q**.

11. A copy of the Application and Determination of No Hazard from the Federal Aviation Administration ("FAA") is attached as **Exhibit F**.

12. A copy of the Kentucky Airport Zoning Commission ("KAZC") Application and Approval to construct the tower is attached as **Exhibit G**.

13. A geotechnical engineering report was performed at the WCF site by Engineered Tower Solutions, PLLC, 3227 Wellington Court, Raleigh, NC 27615, dated September 13, 2023 and is attached as **Exhibit H**. The name and address of the geotechnical engineering firm and the professional engineer registered in Kentucky who prepared the report are included as part

of **Exhibit H and Exhibit R**.

14. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit I**. The name and telephone number of the preparer of **Exhibit I** are included as part of this exhibit.

15. Co-Applicants, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit J**.

16. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit D** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations. The identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibit R**.

17. The Construction Manager for the proposed facility is Larry Rhoads and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibit R**.

18. As noted on the Survey attached as part of **Exhibit C**, the surveyor has determined that the tower site and access easement are not within any flood hazard area per Flood Hazard Boundary Map, Community Panel Number 21203C0200C, Dated August 3, 2009.

19. **Exhibit C** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator).

20. **Exhibit L** contains the Notification List with screen shots of the PVA records verified and updated using the Rock Castle County PVA on November 16, 2023.

21. Co-Applicants have sent certified notices every person who, according to the records of the County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and informed of his or her right to request intervention. A list of the notified property owners, verified on November 16, 2023, using the Rock Castle County Kentucky Property Valuation Administration records and a copy of the form of the notice sent by certified mail to each landowner on November 17, 2023 are attached as **Exhibit K** and **Exhibit L**, respectively. Nineteen (19) notices were sent to surrounding property owners on November 17, 2024. As of December 6, 2024 fourteen (14) notice green cards had been returned. USPS tracking indicated that one (1) notice was delivered on November 22, 2023, one (1) notice was picked up at the Post Office on December 5, 2023, two (2) notices were attempted delivery on November 21, 2023 with notices left at respective addresses, and one (1) notice is noted as “moving through the system”. On December 11, 2023 notice was resent to the 3 property owners that had not received notice. To date two (2) additional notice green cards have been returned and USPS tracking indicated one (1) notice as “moving through the system”. This is the same notice to Allen Hayes and Terry Goff that experienced the same notation from the November mailing. There are no unaccountable notices. Copies of the November 17, 2023 and the December 11, 2023, mailed envelopes, returned green cards and USPS tracking are included in **Exhibit L & La**.

22. Co-Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket

number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. As of December 6, 2023 the green card had not been returned. On December 11, 2023, new notice was mailed to the Judge/Executive. A copy of this original notice is attached as **Exhibit M** and a copy of the December 11, 2023 notice along with a copy of the mailed envelope and returned green card is attached as **Exhibit Ma**.

23. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit N**.

24. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A copy of the newspaper legal notice advertisement is attached as **Exhibit O**.

25. The area of the proposed facility is in the unincorporated area of Rock Castle County, Kentucky. The site is approximately 5.5 miles southeast of Mount Vernon, KY. The area is wooded and rural in nature with a scattering of residential properties. The terrain in this area is hilly. There is no zoning or Plan Commission in Rock Castle County. The general area where the proposed facility is proposed is wooded and, removed a significant distance from any residential structures. The nearest residential structure is 470 feet from the proposed tower site.

26. The process that was used by the Co-Applicant's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. Applicant's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers

determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicant when searching for sites for its antennas that would provide the coverage deemed necessary by the Applicant. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit P**.

27. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area, as set out and documented in the RF Design Engineer's Statement of Need and Propagation Maps attached as **Exhibit Q** and **Exhibit Qa**, respectively. The proposed tower will expand and improve voice and data service for Verizon Wireless customers.

28. Attached hereto as **Exhibit S** please find an Affidavit of Certification for all information contained in this application.

29. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

30. All responses and requests associated with this Application may be directed to:

Russell L. Brown
Clark, Quinn, Moses, Scott & Grahn, LLP
320 North Meridian Street, Suite 1100
Indianapolis, IN 46204
Phone: (317) 637-1321
FAX: (317) 687-2344
Email: rbrown@clarkquinnlaw.com

WHEREFORE, Co-Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



Russell L. Brown

Clark, Quinn, Moses, Scott & Grahn, LLP

320 North Meridian Street, Suite 1100

Indianapolis, IN 46204

Phone: (317) 637-1321 / FAX: (317) 687-2344

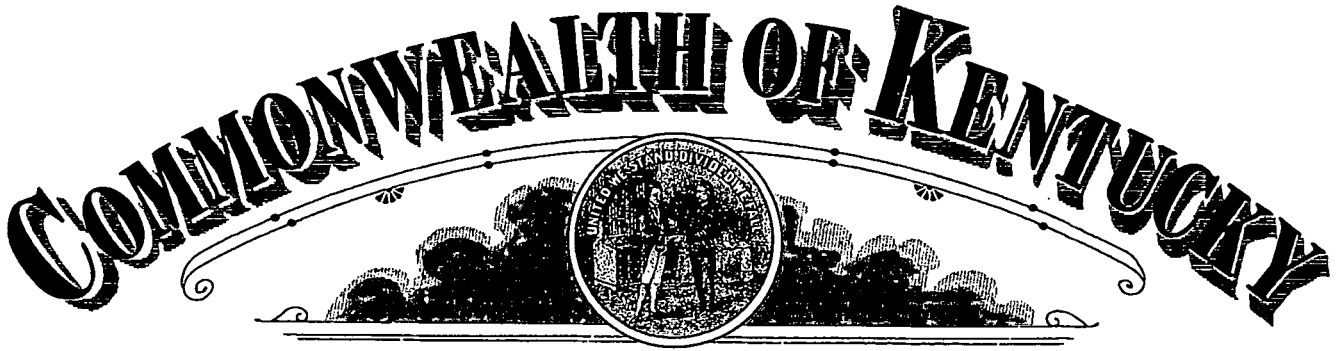
Email: rbrown@clarkquinnlaw.com

Attorney for Cellco Partnership d/b/a Verizon Wireless

Dated : January 9, 2023

LIST OF EXHIBITS

- A Applicant Entity
- B FCC Registration and License Documentation
- C Site Development Plan:
 - 500' Vicinity Map Legal Descriptions
 - Flood Plain Certification Site Plan
 - Vertical Tower Profile
- D Tower and Foundation Design
- E Competing Utilities, Corporations, or Persons List
And Map of Like Facilities in Vicinity
- F FAA Application and Determination of No Hazard
- G KAZC Application and Approval
- H Geotechnical Report
- I Directions to WCF Site
- J Copy of Real Estate Agreement
- K Notification Listing with PVA Verification
- L Copy of Property Owner Notification
- La Copy of 2nd mailing December 11, 2023
- M Copy of County Judge/Executive notice
- Ma Copy of 2nd mailing December 11, 2023
- N Copy of Posted Notices
- O Copy of Newspaper Legal Notice Advertisement
- P Copy of Radio Frequency Design Search Area
- Q Copy of RF Design Engineer State of Need
- Qa Propagation Maps
- R List of Qualified Professionals
- S Affidavit of Certification



Michael G. Adams
Secretary of State

Certificate

I, Michael G. Adams, Secretary of State for the Commonwealth of Kentucky, do hereby certify that the foregoing writing has been carefully compared by me with the original thereof, now in my official custody as Secretary of State and remaining on file in my office, and found to be a true and correct copy of

CERTIFICATE OF ASSUMED NAME OF VERIZON WIRELESS ADOPTED BY
GENERAL PARTNERS OF CELLCO PARTNERSHIP FILED JUNE 21, 2006.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
Official Seal at Frankfort, Kentucky, this 10th day of May, 2023.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
kdcoleman/0641227 - Certificate ID: 290787

COMMONWEALTH OF KENTUCKY
TREY GRAYSON
SECRETARY OF STATE



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C226

Trey Grayson
Secretary of State
Received and Filed

06/21/2006 12:06:09 PM
Fee Receipt: \$20.00

CERTIFICATE OF ASSUMED NAME

This certifies that the assumed name of
Verizon Wireless

(Name under which the business will be conducted)

has been adopted by See Addendum

(Real name - KRS 365.015(1))

which is the "real name" of (YOU MUST CHECK ONE)

a Domestic General Partnership

a Foreign General Partnership

a Domestic Registered Limited Liability Partnership

a Foreign Registered Limited Liability Partnership

a Domestic Limited Partnership

a Foreign Limited Partnership

a Domestic Business Trust

a Foreign Business Trust

a Domestic Corporation

a Foreign Corporation

a Domestic Limited Liability Company

a Foreign Limited Liability Company

a Joint Venture

organized and existing in the state or country of Delaware, and whose address is

One Verizon Way

Basking Ridge

NJ

07920

Street address, if any

City

State

Zip Code

The certificate of assumed name is executed by

NYNEX PCS Inc.

Jane A. Schapker - Assistant Secretary

Print or type name and title

June 15, 2006

Date

Signature

Print or type name and title

Date

Addendum

The full name of the Partnership is Cellco Partnership; a Delaware general partnership with its headquarters located One Verizon Way, Basking Ridge NJ 07920-1097.

General Partners of Cellco Partnership	Address
Bell Atlantic Cellular Holdings, L.P.	One Verizon Way Basking Ridge, NJ 07920
NYNEX PCS Inc.	One Verizon Way Basking Ridge, NJ 07920
PCSCO Partnership	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless Incorporated	One Verizon Way Basking Ridge, NJ 07920
GTE Wireless of Ohio Incorporated	One Verizon Way Basking Ridge, NJ 07920
PCS Nucleus, L.P.	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597
JV PartnerCo, LLC	2999 Oak Road, 7 th Floor Walnut Creek, CA 94597

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "CELLCO PARTNERSHIP" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SEVENTH DAY OF APRIL, A.D. 2023.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.




Jeffrey W. Bullock, Secretary of State

3341134 8300

SR# 20231665976

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203227418

Date: 04-27-23

Delaware

Page 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TAG TOWERS LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWENTY-SECOND DAY OF AUGUST, A.D. 2023.




Jeffrey W. Bullock, Secretary of State

6311703 8300

SR# 20233314766

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 204019585

Date: 08-22-23



COMMONWEALTH OF KENTUCKY
MICHAEL G. ADAMS, SECRETARY OF STATE

1318088.06 mwellman
ADD
Michael G. Adams
Kentucky Secretary of State
Received and Filed:
10/30/2023 2:59 PM
Fee Receipt: \$90.00

Division of Business Filings
P.O. Box 718
Frankfort, KY 40602
(502) 564-3490
www.sos.ky.gov

Certificate of Authority
(Foreign Business Entity)

FBE

Pursuant to the provisions of KRS 14A – 030 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

1. The entity is a:
- | | | |
|----------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|
| <input type="checkbox"/> profit corporation | <input type="checkbox"/> nonprofit corporation | <input type="checkbox"/> professional limited liability company |
| <input type="checkbox"/> business trust | <input checked="" type="checkbox"/> limited liability company | <input type="checkbox"/> statutory trust |
| <input type="checkbox"/> limited partnership | <input type="checkbox"/> ltd cooperative association | <input type="checkbox"/> public benefit corporation |
| <input type="checkbox"/> non-profit llc | <input type="checkbox"/> professional service corporation | <input type="checkbox"/> other |

2. The name of the entity is TAG Towers LLC
(The name must be identical to the name on record with the Secretary of State.)

3. The name of the entity to be used in Kentucky is (if applicable): _____
(Only provide if "real name" is unavailable for use; otherwise, leave blank.)

4. The state or country under whose law the entity is organized is Delaware

5. The date of organization is 2/09/2017 and the period of duration is _____
(if left blank, duration is considered perpetual.)

6. The mailing address of the entity's principal office is
1905 Woodstock Road Suite 2100 Roswell GA 30075
Street Address **City** **State** **Zip Code**

7. The street address of the entity's registered office in Kentucky is
108 Forbes Court Richmond KY 40475
Street Address (No P.O. Box Numbers) **City** **State** **Zip Code**

and the name of the registered agent at that office is David Ginter

8. The names and business addresses of the entity's representatives (secretary, officers and directors, managers, trustees or general partners):

Name	Street or P.O. Box	City	State	Zip Code
Mark Gergel	1905 Woodstock Road Suite 2100	Roswell	GA	30075
David Ginter	108 Forbes Court	Richmond	KY	40475
Richie Pennington	108 Forbes Court	Richmond	KY	40475

9. If a professional service corporation, all the individual shareholders, not less than one half (1/2) of the directors, and all of the officers other than the secretary and treasurer are licensed in one or more states or territories of the United States or District of Columbia to render a professional service described in the statement of purposes of the corporation.

10. I certify that, as of the date of filing this application, the above-named entity validly exists under the laws of the jurisdiction of its formation.

11. If a limited partnership, it elects to be a limited liability limited partnership. Check the box if applicable:

12. If a limited liability company, check box if manager-managed:

13. This application will be effective upon filing.

<u>David Ginter</u> Signature of Authorized Representative	<small>Digitally signed by David Ginter Date: 2023.10.24 09:35:33 -0400</small>	<u>David Ginter, President and Owner</u> Printed Name & Title	<u>10/23/2023</u> Date
---------------------------------------------------------------	-------------------------------------------------------------------------------------	------------------------------------------------------------------	---------------------------

I, David Ginter, consent to serve as the registered agent on behalf of the business entity.
Type/Print Name of Registered Agent

<u>David Ginter</u> Signature of Registered Agent	<small>Digitally signed by David Ginter Date: 2023.10.24 07:44:43 -0400</small>	<u>David Ginter</u> Printed Name	<u>President</u> Title	<u>10/23/2023</u> Date
------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------	---------------------------	---------------------------

**FCC Form 854
Main Form**

Approved by OMD – 3060-0139
See instructions for public burden estimate

Application for Antenna Structure Registration

Purpose of Filing

1) Enter the application purpose: (AM)	
AM – Amendment of a Pending Application AU – Administrative Update CA – Cancellation of an Antenna Structure Registration DI – Notification of an Antenna Structure Dismantlement MD – Modification of a Antenna Structure Registration	NE – Registration of a New Antenna Structure NT – Required Construction/Alteration Notification OC – Ownership Change RE – Registration of a Replacement Antenna Structure WD – Withdrawal of a Pending Application
2a) If the answer to 1 is AU, CA, DI, MD, NT, OC or RE, provide the FCC Antenna Structure Registration (ASR) Number.	FCC ASR Number:
2b) If the answer to 1 is AM or WD, provide the File Number of the pending application on file.	File Number: A1248873
2c) If the answer to 1 is MD or NT, provide the date the Antenna Structure was constructed or the date it was last altered (mm/dd/yyyy).	Date:
2d) If the answer to 1 is DI, provide the date the Antenna Structure was dismantled (mm/dd/yyyy).	Date:

Antenna Structure Ownership Information

3) Select one of the entity types:			
() Individual	() Unincorporated Association	() Trust	() Government Entity
() Corporation	(X) Limited Liability Company	() General Partnership	() Limited Partnership
() Consortium	() Limited Liability Partnership	() Other: _____	
4) FCC Registration Number (FRN): 0030199905		5) Assignor FCC Registration Number (FRN):	
6) First Name (if individual):	MI:	Last Name:	Suffix:
7) Legal Entity Name (if not an individual): TAG Towers, LLC			
8) Attention To: David Ginter		9) P.O. Box:	And/Or
10a) Street Address 1: 108 Forbes Court		10b) Street Address 2: Suite 1	
11) City: Richmond	12) State: KY	13) Zip Code: 40475	
14) Telephone Number (xxx-xxx-xxxx): (859) 544-5000		15) Fax Number: (xxx-xxx-xxxx):	
16) E-mail Address: dginter@tagtowers.com			

Contact Representative Information

17) First Name (if individual): David	MI:	Last Name: Ginter	Suffix:
18) Business Name: TAG Towers, LLC			
19) Attention To: David Ginter	20) P.O. Box		And/Or
21a) Street Address 1: 108 Forbes Court		21b) Street Address 2: Suite 1	
22) City: Richmond	23) State: KY	24) Zip Code: 40475	
25) Telephone Number (xxx-xxx-xxxx): (859) 544-5000		26) Fax Number: (xxx-xxx-xxxx):	
27) E-mail Address: dginter@tagtowers.com			

Antenna Structure Information

28a) Latitude (DD-MM-SS.S): 37- 19- 32.6		28b) North or South: North	
29a) Longitude (DDD-MM-SS.S): 084- 15- 28.8		29b) East or West: West	
30) Street Address or Geographic Location: Off of Frosty Hollow Road		31) City: Mt Vernon	
32) County: ROCKCASTLE	33) State: KENTUCKY	34) Zip Code: 40456	
35) Elevation of site above mean sea level (meters):			366.2 meters
36) Overall height above ground level (AGL) of the supporting structure without appurtenances:			91.4 meters
37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:			92.7 meters
38) Overall height above mean sea level (add items 35 and 37 together):			458.9 meters
39a) Enter the type of structure on which the antenna will be mounted: (LTOWER)			
B – Building BANT – Building with Antenna on Top BMAST – Building with Mast BPIPE – Building with Pipe BPOLE – Building with Pole BRIDG – Bridge BTWR – Building with Tower GTOWER – Guyed Structure Used For Communication Purposes LTOWER – Lattice Tower MAST – Mast MTOWER – Monopole NNGTANN – Guyed Tower Array		NNLTANN – Lattice Tower Array NNMTANN – Monopole Array PIPE – Any type of Pipe POLE – Any type of Pole RIG – Oil or Other Type of Rig SIGN – Any type of Sign or Billboard SIL0 – Any type of Silo STACK – Smoke Stack TANK – Any type of Tank (water, gas, etc.) TREE – When used as a support for an antenna UPOLE – Utility Pole/Tower used to provide service (electric, telephone, etc.)	
39b) Number of Towers in Array:		39c) Position of this Tower in the Array:	
40a) Array Center Latitude (DD-MM-SS.S):		40b) North or South	
41a) Array Center Longitude (DDD-MM-SS.S):		41b) East or West:	

Proposed Marking and/or Lighting

42) Enter the proposed marking and/or lighting: (7)
See Form 854 Item 42 Instructions for detailed tier and lighting information.

- | | | |
|----------------|----------------|-----------------|
| 1) None | 4) FAA Style B | 7) FAA Style E |
| 2) Paint Only | 5) FAA Style D | 8) FAA Style F |
| 3) Other _____ | 6) FAA Style C | 9) FAA Style A |
| | | 10) FAA Style G |

FAA Notification

43) FAA Study Number:

44) Date Issued:

Environmental Compliance

45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?	(No) Yes or No
46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?	(No) Yes or No
46b) If the answer to 46a is Yes, indicate why: 1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure. 2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.	() 1 or 2
46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.	Name:
47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).	Date: 08/16/2023
48) Is the applicant submitting an environmental assessment?	(No) Yes or No
49) Does the applicant certify that grant of Authorizations at this location would not have a significant environmental effect pursuant to Section 1.1307 of the FCC's rules?	() Yes or No
50) If the answer to 49 is Yes, select the basis for this certification. 1) The construction is exempt from environmental notification (other than due to another agency's review) and it does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules? 2) The construction is exempt from environmental notification due to another agency's review, and the other agency has issued a Finding of No Significant Impact. 3) The environmental notification has been completed, and the FCC has notified the applicant that an Environmental Assessment is not required under Section 1.1307(c) or (d) of the FCC's rules, and the Construction does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules. 4) The FCC has issued a Finding of No Significant Impact.	() 1, 2, 3, 4
51) If the answer to 50 is 3 or 4, enter the date that Local Notice was provided (mm/dd/yyyy).	Date:

Certification Statements

- 1) The applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.
- 2) The applicant certifies that neither the applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862, because of a conviction for possession or distribution of a controlled substance. See Section 1.2002(b) of the rules, 47 CFR § 1.2002(b), for the definition of "party to the application" as used in this certification.

Signature (Typed or Printed Name of Party Authorized to Sign) (For OC Applications, to be completed by Assignee)

52) First Name: David	MI:	Last Name: Ginter	Suffix:
53) Title: Manager			
54) Signature: David Ginter			55) Date: Aug 15, 2023

Signature (Typed or Printed Name of Party Authorized to Sign) (For OC Applications, to be completed by Assignor)

56) First Name:	MI:	Last Name:	Suffix:
57) Title:			
58) Signature:			59) Date:

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: RURAL CELLULAR CORPORATION

ATTN: REGULATORY
RURAL CELLULAR CORPORATION
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKN940	File Number 0009139416
Radio Service CL - Cellular	
Market Numer CMA448	Channel Block A
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003715919

Market Name Kentucky 6 - Madison

Grant Date 09-01-2020	Effective Date 09-01-2020	Expiration Date 10-01-2030	Five Yr Build-Out Date	Print Date 09-01-2020
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Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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1 37-42-55.3 N 084-16-14.8 W

Address: WEST OF US-25 1.2 MILES SOUTH OF INTERSECTION OF US-25 & SR-876

City: RICHMOND **County:** MADISON **State:** KY **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 115.000

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	137.000	130.000	127.000	93.000	96.000	102.000	124.000	114.000
Transmitting ERP (watts)	74.000	74.000	74.000	74.000	74.000	74.000	74.000	74.000

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: KNKN940

File Number: 0009139416

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-25-40.3 N	084-21-51.8 W			

Address: ON LEAR KNOB 3 MILES NW OF
City: BROADHEAD County: ROCKCASTLE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	175.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	198.000	128.000	158.000	168.000	166.000	183.000	199.000	202.000
Transmitting ERP (watts)	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
3	37-17-21.3 N	084-15-51.8 W	430.0		

Address: ON SAND HILL 2.6 MILES SOUTHWEST OF
City: LIVINGSTON County: ROCKCASTLE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	172.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	175.000	144.000	190.000	181.000	192.000	185.000	167.000	141.000
Transmitting ERP (watts)	47.000	22.000	19.000	41.000	90.000	114.000	120.000	102.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	37-08-57.3 N	084-05-58.8 W	408.0		

Address: 1 MILE NORTH OF
City: LONDON County: LAUREL State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	138.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	139.000	161.000	113.000	124.000	135.000	153.000	127.000	152.000
Transmitting ERP (watts)	40.000	34.000	54.000	128.000	146.000	137.000	146.000	95.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-36-05.3 N	084-39-36.8 W			

Address: 4 MILES SOUTHWEST OF
City: LANCASTER County: LINCOLN State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	128.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	139.000	148.000	120.000	148.000	104.000	119.000	100.000	148.000
Transmitting ERP (watts)	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: KNKN940

File Number: 0009139416

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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7	37-01-05.3 N	084-34-53.8 W			
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Address: Hilltop, 2.2 miles NNE of

City: Burnside County: PULASKI State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	196.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	183.000	178.000	176.000	206.000	210.000	185.000	219.000	211.000
Transmitting ERP (watts)	0.310	0.160	0.170	0.190	16.270	73.910	75.320	20.900

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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8	37-38-52.6 N	084-47-12.9 W	297.5	91.4	1043353
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Address: 211 FOREST AVENUE

City: DANVILLE County: BOYLE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	88.800	101.000	95.900	80.700	60.400	47.100	83.700	90.000
Transmitting ERP (watts)	51.720	51.720	51.720	51.720	51.340	51.720	51.720	51.720

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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9	37-52-45.3 N	084-19-32.8 W	277.0		
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Address: 0.45 MILES NORTHEAST OF INTERSECTION OF I-75 & US-25/421 1 MILE ESE OF

City: CLAYS FERRY County: CLARK State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	109.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	92.000	122.000	158.000	111.000	90.000	121.000	102.000	77.000
Transmitting ERP (watts)	1.120	6.920	58.880	100.000	100.000	91.200	22.390	0.930

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
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12	37-21-22.3 N	084-55-12.8 W	336.0		
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Address: On ridge 2 3/4 miles north-notheast of the town of liberty

City: Liberty County: CASEY State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	117.000	132.000	144.000	114.000	152.000	158.000	146.000	159.000
Transmitting ERP (watts)	75.000	75.000	75.000	75.000	75.000	75.000	75.000	75.000

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: KNKN940

File Number: 0009139416

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
13	36-59-59.6 N	084-06-05.0 W	366.6	91.1	1002550

Address: (South Laurel site) 1652 N Highway 1223

City: CORBIN County: LAUREL State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	105.600	85.200	78.500	62.400	109.200	104.200	101.600
Transmitting ERP (watts)	60.890	180.300	71.530	58.190	0.640	0.640	0.640	4.200

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	105.600	85.200	78.500	62.400	109.200	104.200	101.600
Transmitting ERP (watts)	0.580	0.580	0.720	3.690	4.920	4.620	2.530	0.580

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	86.400	105.600	85.200	78.500	62.400	109.200	104.200	101.600
Transmitting ERP (watts)	46.980	2.590	0.640	0.640	0.640	8.220	89.280	172.970

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-46-29.3 N	084-19-15.8 W	287.4		

Address: MTSO CELL SITE: 124 S. KEENELAND DR

City: RICHMOND County: MADISON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	186.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	46.600	70.700	52.500	32.100	28.400	45.800	59.500	44.500
Transmitting ERP (watts)	88.000	181.800	171.600	177.600	162.000	53.600	17.200	19.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	37-32-51.3 N	084-19-58.8 W	378.0		

Address: BERA CELL SITE: 3.5 KILOMETERS SOUTHWEST OF

City: BERA County: MADISON State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	100.000							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	173.900	164.000	127.800	71.600	126.700	133.400	156.000	194.700
Transmitting ERP (watts)	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: KNKN940

File Number: 0009139416

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-04-42.3 N	084-48-36.8 W	366.3	91.1	1203424

Address: 3.4 miles East of Nancy, KY

City: Nancy County: PULASKI State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	120.400	163.100	170.400	196.600	188.000	195.900	164.000	150.900
Transmitting ERP (watts)	29.000	29.000	29.000	29.000	29.000	29.000	29.000	29.000

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
18	37-38-56.9 N	084-57-46.2 W	289.0	48.2	

Address: Perryville Cell Site: 710 Cox Street

City: Perryville County: BOYLE State: KY Construction Deadline:

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.100	62.100	41.400	-1.800	24.600	40.300	71.100	64.200
Transmitting ERP (watts)	99.100	143.700	70.200	6.300	0.400	0.400	0.500	14.200

Antenna: 2

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.100	62.100	41.400	-1.800	24.600	40.300	71.100	64.200
Transmitting ERP (watts)	0.400	1.600	33.200	128.600	132.400	39.100	2.200	0.400

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	90.100	62.100	41.400	-1.800	24.600	40.300	71.100	64.200
Transmitting ERP (watts)	9.000	0.400	0.400	0.400	10.400	87.000	143.500	82.100

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-06-10.0 N	084-35-45.0 W	388.0	91.4	1043625

Address: (Somerset site) 500 Rock Query Road

City: SOMERSET County: PULASKI State: KY Construction Deadline: 05-30-2014

Antenna: 1

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	158.600	169.600	169.900	213.500	200.800	177.700	154.800
Transmitting ERP (watts)	110.230	148.690	21.490	0.730	0.400	0.330	0.450	7.630

Antenna: 3

Maximum Transmitting ERP in Watts:	140.820							
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	158.600	169.600	169.900	213.500	200.800	177.700	154.800
Transmitting ERP (watts)	0.330	0.620	0.330	0.330	2.050	69.550	163.040	61.990

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: KNKN940

File Number: 0009139416

Print Date: 09-01-2020

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
19	37-06-10.0 N	084-35-45.0 W	388.0	91.4	1043625

Address: (Somerset site) 500 Rock Query Road

City: SOMERSET County: PULASKI State: KY Construction Deadline: 05-30-2014

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

Azimuth (from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	159.200	158.600	169.600	169.900	213.500	200.800	177.700	154.800
Transmitting ERP (watts)	0.330	0.580	29.670	145.310	107.720	4.290	0.590	0.330

Control Points:

Control Pt. No. 2

Address: 500 W Dove Rd

City: Southlake County: TARRANT State: TX Telephone Number: (800)264-6620

Waivers/Conditions:

NONE

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQCS428	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-23-2015	Effective Date 11-01-2016	Expiration Date 05-13-2025	Print Date
Market Number BTA252	Channel Block C	Sub-Market Designator 1	
Market Name Lexington, KY			
1st Build-out Date 05-13-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQCS428

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign WQDI527	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 08-17-2015	Effective Date 11-01-2016	Expiration Date 09-06-2025	Print Date
Market Number BTA252	Channel Block C	Sub-Market Designator 7	
Market Name Lexington, KY			
1st Build-out Date 09-06-2010	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQDI527

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQGA940), File Number (0009774996), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQGA940

File Number: 0009774996

Print Date: 12-21-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQJQ692), File Number, and Radio Service (WU - 700 MHz Upper Band (Block C)).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

If the facilities authorized herein are used to provide broadcast operations, whether exclusively or in combination with other services, the licensee must seek renewal of the license either within eight years from the commencement of the broadcast service or within the term of the license had the broadcast service not been provided, whichever period is shorter in length. See 47 CFR §27.13(b).

This authorization is conditioned upon compliance with section 27.16 of the Commission's rules

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at http://wireless.fcc.gov/uls/index.htm?job=home and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WQJQ692

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: RURAL CELLULAR CORPORATION

ATTN: REGULATORY
RURAL CELLULAR CORPORATION
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WQUZ670), File Number, and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz)).

FCC Registration Number (FRN): 0003715919

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: WQUZ670

File Number:

Print Date: 02-16-2023

The license is subject to compliance with the provisions of the January 12, 2001 Agreement between Deutsche Telekom AG, VoiceStream Wireless Corporation, VoiceStream Wireless Holding Corporation and the Department of Justice (DOJ) and the Federal Bureau of Investigation (FBI), which addresses national security, law enforcement, and public safety issues of the FBI and the DOJ regarding the authority granted by this license. Nothing in the Agreement is intended to limit any obligation imposed by Federal law or regulation including, but not limited to, 47 U.S.C. Section 222(a) and (c)(1) and the FCC's implementing regulations. The Agreement is published at VoiceStream-DT Order, IB Docket No. 00-187, FCC 01-142, 16 FCC Rcd 9779, 9853 (2001).

Reference Copy

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: WQUZ670

File Number:

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRAM732), File Number (0009262182), and Radio Service (WT - 600 MHz Band)

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAM732

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRAY861), File Number, and Radio Service (UU - Upper Microwave Flexible Use Service).

FCC Registration Number (FRN): 0003290673

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

Special Condition for AU/name change (6/4/2016): Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control...

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station...

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information...

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRAY861

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WREV443	File Number 0009262182
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 12-11-2019	Effective Date 01-13-2021	Expiration Date 12-11-2029	Print Date 03-11-2021
Market Number PEA096	Channel Block A	Sub-Market Designator 3	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV443

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WREV444	File Number 0009262182
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 12-11-2019	Effective Date 01-13-2021	Expiration Date 12-11-2029	Print Date 03-11-2021
Market Number PEA096	Channel Block B	Sub-Market Designator 1	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

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Licensee Name: CELLCO PARTNERSHIP

Call Sign: WREV444

File Number: 0009262182

Print Date: 03-11-2021

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

ATTN: REGULATORY
CELLCO PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE ENGINEERING
ALPHARETTA, GA 30022

Call Sign WRHE833	File Number 0010283156
Radio Service UU - Upper Microwave Flexible Use Service	

FCC Registration Number (FRN): 0003290673

Grant Date 06-04-2020	Effective Date 11-18-2022	Expiration Date 06-04-2030	Print Date 03-15-2023
Market Number PEA096	Channel Block M1	Sub-Market Designator 0	
Market Name Richmond, KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

NONE

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: CELLCO PARTNERSHIP

Call Sign: WRHE833

File Number: 0010283156

Print Date: 03-15-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: RURAL CELLULAR CORPORATION

ATTN: REGULATORY
RURAL CELLULAR CORPORATION
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Table with Call Sign (WRWF636), File Number (0010160917), and Radio Service (AW - AWS (1710-1755 MHz and 2110-2155 MHz))

FCC Registration Number (FRN): 0003715919

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations.

Special Condition for AU/name change (6/4/2016): Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS).

Licensee Name: RURAL CELLULAR CORPORATION

Call Sign: WRWF636

File Number: 0010160917

Print Date: 02-16-2023

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Reference Copy



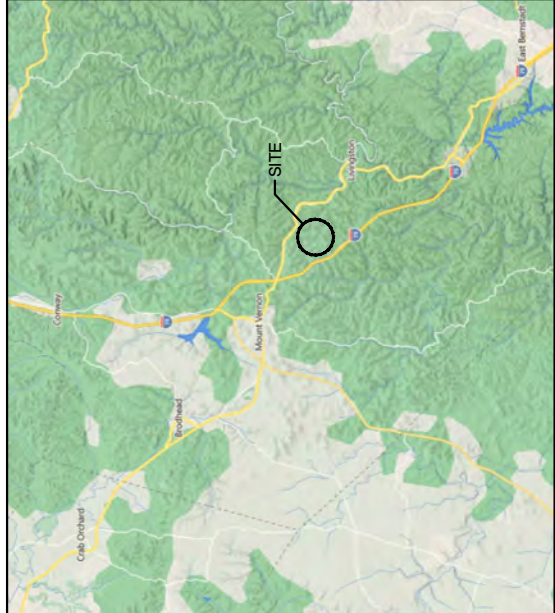
TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)

**NEW 300' SELF SUPPORT TOWER
 W/4' LIGHTNING ROD
 TOTAL TOWER HEIGHT 304'**

TOWER_OWNER SITE LV MT VERNON EAST SITE #: 721772	POLICE ROCKCASTLE COUNTY SHERIFF'S DEPARTMENT PHONE: 606-256-2032
VERIZON_WIRELESS SITE LV MT VERNON EAST PROJECT#: 16913443 MARKET ID: TBD MDC#: 721772	FIREFIGHTER CLIMAX VOLUNTEER FIRE DEPARTMENT PHONE: 1-859-358-0855
SITE_ADDRESS 321 FROSTY HOLLOW ROAD MT VERNON, KY 40456 ROCK CASTLE COUNTY E911 ADDRESS: TBD	GENERAL_INFORMATION LATITUDE - 37° 18' 32.58" N LONGITUDE - 84° 15' 28.77" W 1983 (NAD83) ELEVATION - 1201.4' AMSL 1988 (NAVD88)
TOWER_OWNER TAG TOWERS, LLC 108 FORBES COURT, SUITE 1 RICHMOND, KY 40475 PHONE: (859) 544-5000	TOWER_OWNER LEASE AREA 100'-0" x 100'-0" (10000 SF)
PROPERTY_OWNER CLYDE & MAGDALINE COLLINS 321 FROSTY HOLLOW ROAD MT VERNON, KY 40456	VERIZON_WIRELESS LEASE AREA 12'-0" x 30'-0" (360 SF)
PROJECT_TOTAL_DISTURBED_AREA COMPOUND: (3790 SF) = (0.086088 ACRE) ACCESS DRIVE: (40510.8 SF) = (0.93 ACRE) GROSS AREA: (44263.8 SF) = (1.016088 ACRE)	

ALL CONSTRUCTION ITEMS ARE TO BE COMPLETED BY THE TOWER OWNER GENERAL CONTRACTOR UNLESS NOTED AS (VZW GC) WHICH SHALL BE COMPLETED BY THE VERIZON WIRELESS GENERAL CONTRACTOR

PROJECT SUMMARY



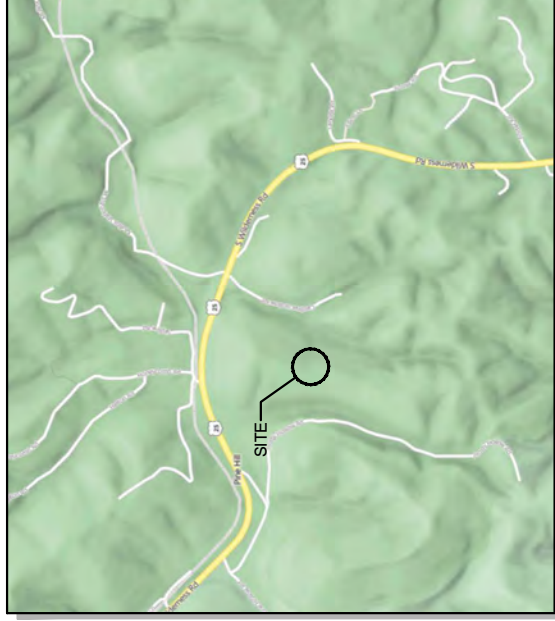
VICINITY MAP

PROJECT DESCRIPTION:

NOTE-ALL ITEMS WITHIN THESE CONSTRUCTION DOCUMENTS ARE BY TOWER OWNER'S GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS UNLESS NOTED AS (VZW GC) WHICH SHALL INCLUDE VERIZON WIRELESS GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS. GENERALLY DESCRIBED BELOW:

- TOWER OWNER SCOPE:
 - INSTALL A NEW 300' SELF SUPPORT TOWER w/ 4' LIGHTNING ROD (TOTAL 304')
 - INSTALL A NEW TOWER FOUNDATION SYSTEM
 - INSTALL A NEW 60X75' FENCED GRAVEL COMPOUND
 - INSTALL A NEW ELECTRICAL SERVICE RUN TO SITE UTILITY H-FRAME
 - INSTALL A NEW GRAVEL ACCESS DRIVE
 - NO WATER OR SEWAGE SERVICES RUN TO SITE
 - INSTALL NEW TOWER & SITE GROUNDING SYSTEM
 - INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM
 - INSTALL NEW VZW CONCRETE EQUIPMENT AND GENERATOR PAUS
 - INSTALL VZW EQUIPMENT H-FRAME AND FOUNDATIONS
 - INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP TO UTILITY H-FRAME
 - INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC STUB-UP LOCATION TO THE GENERATOR STUB-UP AT VZW GENERATOR PAD
 - INSTALL (1) NEW "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUIT WITH INTEGRAL EQUIPMENT TO NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE OUTSIDE COMPOUND THEN TO NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE AT PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY
- VERIZON WIRELESS SCOPE (VZW GC):
 - INSTALL VZW PREFABRICATED CANOPY AND FOUNDATIONS
 - INSTALL VZW ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER
 - INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT & FACILITIES
 - INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES ENCLOSURE
 - INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO VZW ILC ENCLOSURE
 - INSTALL NEW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME UT FIBER LOCATION
 - INSTALL NEW CONDUITS AND CIRCUITS FROM VZW ILC ENCLOSURE TO OVP H-FRAME UT ENCLOSURES AT VZW EQUIPMENT PAD
 - INSTALL VZW GENERATOR CIRCUITS FROM VZW ILC & EQUIPMENT ENCLOSURES TO VZW GENERATOR
 - INSTALL NEW OUTDOOR OVPs AND CABLING ON VERIZON EQUIPMENT H-FRAME

PROJECT DESCRIPTION



LOCATION MAP

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

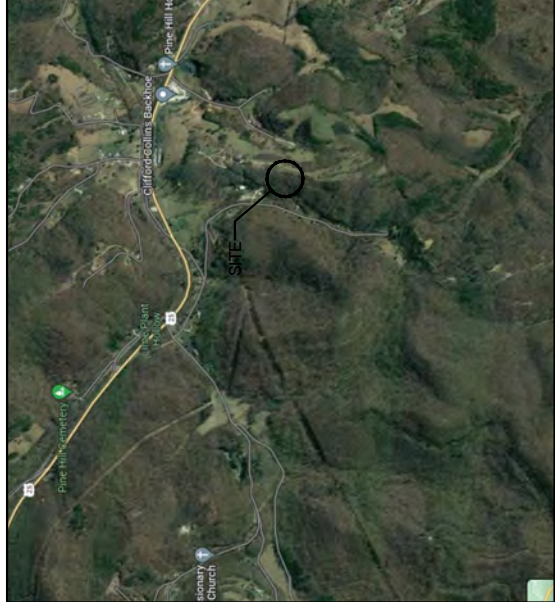
BUILDING CODE	2018 KENTUCKY BUILDING CODE (IBC 2015)
STRUCTURAL CODE	TIA/EIA-222 - REVISION G (INCLUDES ADDENDUM #2)
MECHANICAL CODE	2015 INTERNATIONAL MECHANICAL CODE (IMC 2015)
PLUMBING CODE	KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)
ELECTRICAL CODE	2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
FIRE/LIFE SAFETY CODE	2015 INTERNATIONAL FIRE CODE (2015 IFC)
ENERGY CODE	2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE	2012 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:
 FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 IBC BUILDING CODE.

APPLICABLE CODES

SURVEYOR FASTAN 1012 S 4TH STREET, SUITE 101 LOUISVILLE, KY 40203	ENGINEER DMITRY ALBUL, P.E. OFFICE PH: (716) 800-1364 MOBILE PH: (716) 650-8147 EMAIL: DALBUL@ALBULENG.COM
ELECTRICAL TBD	ELECTRICAL UTILITY COORDINATION IS NOT FINALIZED. DO NOT PROCEED WITH CONSTRUCTION.

CONSULTANT TEAM



AERIAL

LV MT VERNON EAST

721772
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY
TENANT: RURAL CELLULAR CORP d/b/a VERIZON WIRELESS
"LV MT VERNON EAST"
BUILDING #:

FROM: 205 E. MAIN ST., MOUNT VERNON, KY 40456; HEAD EAST ON KY-1326 / E MAIN ST TOWARD SPRING ST. 0.3 MI, KEEP STRAIGHT TO GET ONTO US-150 E / US-25 S / S WILDERNESS RD, 4.5 MI, TURN RIGHT ONTO PINE HILL CIRCLE, 0.1 MI, TAKE A SHARP LEFT ONTO FROSTY HOLLOW RD, 0.4 MI, ARRIVE AT
 ARRIVE AT 321 FROSTY HOLLOW ROAD, MT VERNON, KY 40456

SHEET NUMBER **DESCRIPTION**

T-1	PROJECT INFORMATION, SITE MAPS, SHEET INDEX
LS-1 TO LS-4	SURVEY PLAN
C-0	OVERALL SITE PLAN
C-1	OVERALL SITE PLAN W/AERIAL OVERLAY
C-1A	OVERALL SITE PLAN W/TOWER LEG DISTANCE TO PROPERTY LINES
C-1B	OVERALL SITE PLAN W/TOWER LEG DISTANCE TO RESIDENTIAL STRUCTURES
C-2	GRADING AND EROSION CONTROL OVERALL PLAN
C-2.1	DETAILED SITE PLAN
C-3	DIMENSIONED SITE PLAN
C-5	DETAILED VZW EQUIPMENT PLAN
C-6	GENERAL SITE CONSTRUCTION NOTES
C-7	BEST MANAGEMENT PRACTICES & EROSION CONTROL DETAILS AND NOTES

SITE DETAILS

D-1	FENCE DETAILS AND NOTES
D-2	SITE DETAILS
D-3	EQUIPMENT PAD & CANOPY ELEVATIONS
D-4	VERIZON WIRELESS SIGNAGE (REFERENCE ONLY)
D-5	TOWER OWNER SITE FENCE SIGNAGE (REFERENCE ONLY)

STRUCTURAL

S-1	EQUIPMENT PAD FOUNDATION PLAN, DETAILS AND STRUCTURAL NOTES
S-2	ICE BRIDGE PLAN AND DETAILS
S-3	FOUNDATION PLAN AND DETAILS

TOWER ELEVATION

TE-1	TOWER ELEVATION
------	-----------------

ELECTRICAL

E-1	SITE UTILITY PLAN
E-2	PANEL SCHEDULE, ONE LINE DIAGRAM, ELECTRICAL NOTES AND DETAILS
E-3	EQUIPMENT PAD UTILITY PLAN & EQUIPMENT PAD TRENCH SECTIONS
E-4	OVP & INTEGRATED LOAD CENTER H-FRAME ELEVATIONS AND DETAILS
E-5	ELECTRICAL DETAILS
E-6	EQUIPMENT CABINET ELEVATIONS
E-7	EQUIPMENT PAD LIGHTING PLAN
E-8	ALARMING TABLE AND DETAILS (REFERENCE ONLY)
E-9	ALARMING DIAGRAMS AND DETAILS (REFERENCE ONLY)
E-10	ALARM AND FIBER CABLE ROUTING (REFERENCE ONLY)

GROUNDING

G-1	GROUNDING SITE PLAN
G-2	GROUNDING NOTES
G-3	VERIZON WIRELESS GROUNDING PLAN AND NOTES
G-4	GROUNDING DETAILS
G-5	GROUNDING DETAILS
G-6	GROUNDING DETAILS

REFERENCE DRAWINGS

RF-1	ANTENNA PLAN AND DETAILS (REFERENCE ONLY)
REF-1	GENERATOR SPECIFICATIONS (REFERENCE ONLY)
PSC_MAP	PSC MAP -1
PSC_MAP	PSC MAP -2



TAG TOWERS, LLC
 108 FORBES COURT, SUITE 1
 RICHMOND, KY 40475
 859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
 Wixom, Michigan 48393
 PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
PROJECT INFORMATION, SITE MAPS, SHEET INDEX

SHEET NUMBER:
T-1

DATE: 10/16/23
 MK PHO & CANOPY REV 3 FINAL

LOCATION DESCRIPTION
LOCATED NEAR PINE HILL, ROCKCASTLE COUNTY, KENTUCKY.

THIS SITE IS LOCATED ON THE MOUNT VERNON KENTUCKY USGS QUADRANGLE SHEET.

The horizontal datum (coordinate) is referenced to the North American Datum 1983 (NAD 83) and is expressed in terms of latitude and longitude in degrees, minutes, and seconds. The vertical datum is the vertical datum to which 15 feet National Flood Insurance Program (NFIP) elevation is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is accurate to within 1/4" - 1/2" feet vertically.



SURVEYOR'S NOTES

SOURCE OF BEARING AND DISTANCE IS A C.P.S. OBSERVATION ON NOVEMBER 15, 2022, FROM A GPS CONTINUOUSLY OPERATING REFERENCE STATION DESCRIPTION - RT 747121 8 CORS APP. COR. 10 - MTR. PD - ORACLE.

SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS SHOWN HEREON OR NOT.

NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR ENCUMBRANCES IN THE TITLE OF THE PARCEL TRACT.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

EXISTING CONTIGUOUS ARE AT ONE FOOT INTERVALS.

811

Know what's below.
Call before you dig.

The utility information shown on this plat is provided by the utility companies for their own use. It is the contractor's responsibility to verify the existence and location, and to contact the appropriate utility company for field access.

STATE OF KENTUCKY
FRANK L. SELLINGER
3282
LICENSED PROFESSIONAL LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

THE "X" SURVEY UNADJUSTED (HERESE CLOSURE BETTER THAN 1 IN 10,000 TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED) I hereby certify that this plat and survey were made under my supervision, and that the angular and linear measurements, as witnessed by monuments shown hereon, are true and correct to the best of my knowledge and belief.

This survey and plat meets or exceeds the minimum standards of the governing authorities.

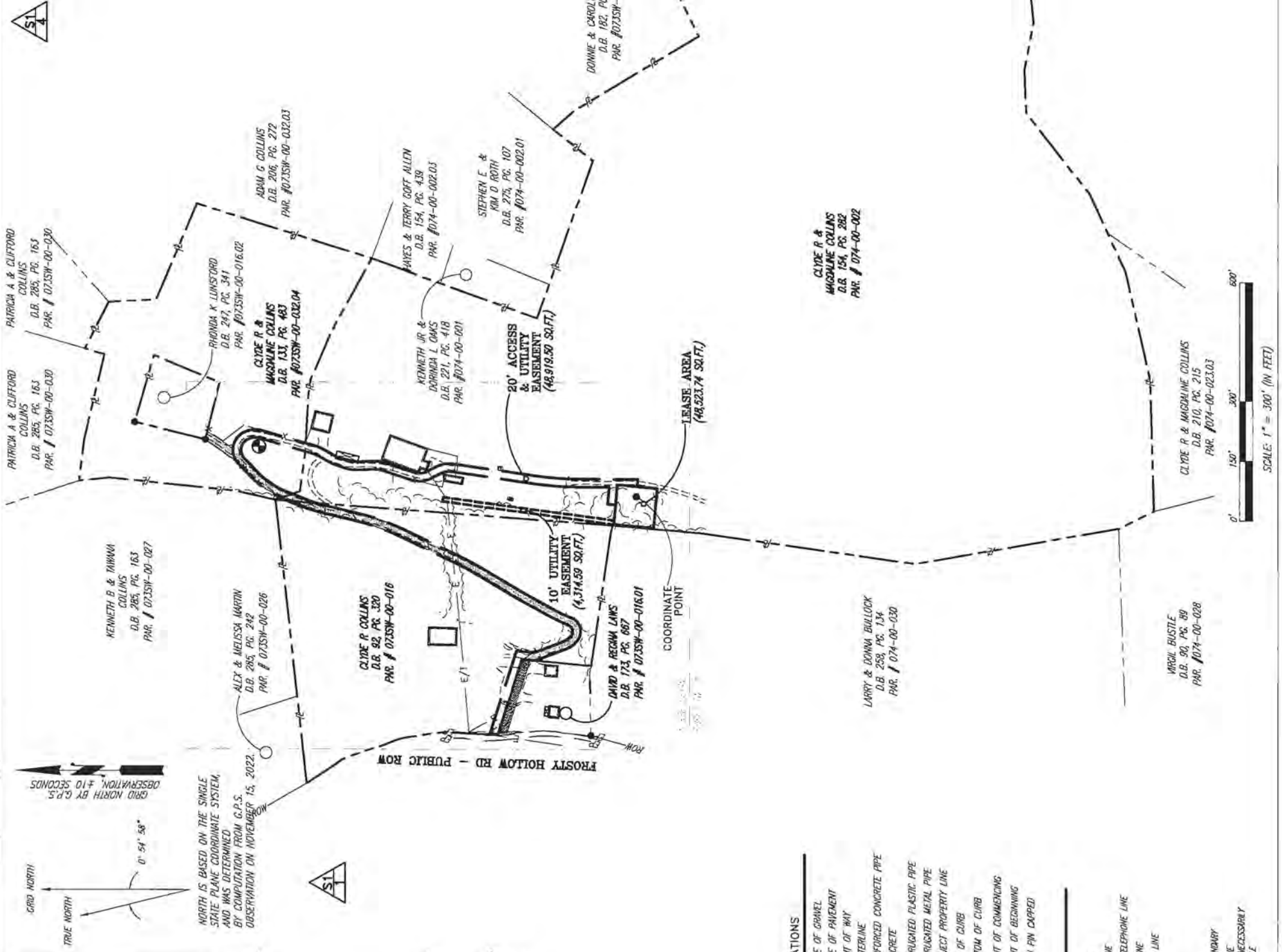
This property is subject to any recorded easements or right of ways not shown hereon.

Frank L. Sellinger, II
KY. Reg. No. 3282

"WIRELESS COMMUNICATION SITE SURVEY"

OWNER APPROVAL: _____ DATE: _____
TENANT APPROVAL: _____ DATE: _____

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21200200C DATED 08-03-2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE LEASE AREA IS LOCATED IN ZONE "X".



SHEET 1

- PREMISES
- TITLE NOTES
- FLOOD ZONE DATA
- VICINITY MAP

COORDINATE POINT LOCATION
MVD 1983
LONGITUDE: 37° 19' 32.58" N
LATITUDE: 84° 15' 28.77" W
ELEVATION: 1201.4
SINGLE STATE PLANE COORDINATE (BLUE MARBLE GEOGRAPHIC CALCULATOR VERSION 1.0)
NORTHING: 3645648.988
EASTING: 5355034.451

PROJECT BENCHMARK
NORTH: 3646550.478
EAST: 5355182.888
ELEVATION: 1210.71'
LOCATION: BEING A 3/8" REBAR W/ CAP STAMPED "CONTROL PNT. 301" NORTH OF THE NORTHEAST CORNER OF THE LEASE AREA.

SYMBOL LEGEND

- INPOD POWER POLE
- CONCRETE POWER POLE
- METAL TRAFFIC POLE
- LIGHT POLE
- GUY POLE
- TELEPHONE PEDESTAL
- ROW RIGHT OF WAY
- GUY ANCHOR
- MANHOLE
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- ELECTRIC BOX
- FENCE POST
- SPOT ELEVATION
- SET REBAR (UNLESS OTHERWISE NOTED) EXISTING REBAR (UNLESS OTHERWISE NOTED)

ABBREVIATIONS

- EG EDGE OF GRAVEL
- EP EDGE OF PAVEMENT
- ROW RIGHT OF WAY
- C CENTERLINE
- RCP REINFORCED CONCRETE PIPE
- CONC CONCRETE
- CPP CORRUGATED PLASTIC PIPE
- CMP CORRUGATED METAL PIPE
- R SUBJECT PROPERTY LINE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- PCC POINT OF COMMENCING
- POB POINT OF BEGINNING
- IPC IRON PIN EXPOSED

LINE LEGEND

- OVERHEAD ELECTRIC
- UNDERGROUND GAS LINE
- UNDERGROUND WATER LINE
- OVERHEAD ELECTRIC & TELEPHONE LINE
- OVERHEAD TELEPHONE LINE
- DRAINAGE/STORM SEWER LINE
- EXISTING FENCE
- PROPOSED FENCE
- ETCH / SMILE
- SUBJECT PROPERTY BOUNDARY
- RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR UNLESS NOTED, USE ONLY AS APPLICABLE.

GRID NORTH
TRUE NORTH
0° 54' 58"

GRID NORTH BY C.P.S. OBSERVATION, #10 SECONDS

NORTH IS BASED ON THE SINGLE STATE PLANE COORDINATE SYSTEM, AND WAS DETERMINED BY COMPUTATION FROM C.P.S. OBSERVATION ON NOVEMBER 15, 2022.

SCALE: 1" = 300' (IN FEET)

CURVE	RADIUS	CHORD BEARING	CHORD LENGTH
C1	50.00'	S 84°39'21" E	79.14'
C2	60.00'	S 08°12'50" E	49.04'
C3	90.00'	S 22°37'52" W	21.07'
C4	70.00'	S 24°24'26" W	12.07'
C5	93.20'	S 10°15'33" W	25.60'
C6	90.00'	S 07°15'19" W	27.47'
C7	42.29'	S 10°29'48" E	36.68'
C8	70.00'	S 09°01'57" E	41.51'
C9	600.00'	S 04°13'18" W	96.08'
C10	710.00'	N 04°13'18" E	98.06'
C11	50.00'	N 09°01'57" W	29.65'
C12	62.29'	N 09°20'08" W	52.88'
C13	70.00'	N 07°08'35" E	20.65'
C14	113.20'	N 10°06'18" E	32.17'
C15	90.00'	N 24°24'26" E	15.52'
C16	70.00'	N 22°37'52" E	16.39'
C17	40.00'	N 08°12'50" W	32.69'
C18	30.00'	N 84°39'21" W	47.49'
C19	410.00'	S 45°38'38" W	37.48'
C20	215.34'	S 33°44'58" W	107.94'
C21	410.00'	S 20°52'43" W	23.52'
C22	290.00'	S 17°53'10" W	46.88'
C23	610.00'	S 19°34'04" W	134.25'
C24	610.00'	S 28°27'25" W	54.74'
C25	590.00'	S 30°08'55" W	18.13'
C26	590.00'	S 26°03'52" W	65.95'
C27	35.89'	S 75°26'50" W	57.02'
C28	71.87'	N 36°22'40" W	38.63'
C29	51.87'	S 36°22'40" E	27.88'
C30	15.89'	N 75°26'50" E	25.24'
C31	610.00'	N 26°03'52" E	68.18'
C32	610.00'	N 30°08'55" E	18.74'
C33	590.00'	N 28°27'25" E	52.94'
C34	590.00'	N 19°34'04" E	129.85'
C35	310.00'	N 17°53'10" E	50.11'
C36	390.00'	N 20°52'43" E	22.37'
C37	235.34'	N 33°44'58" E	117.96'
C38	390.00'	N 45°38'38" E	35.65'

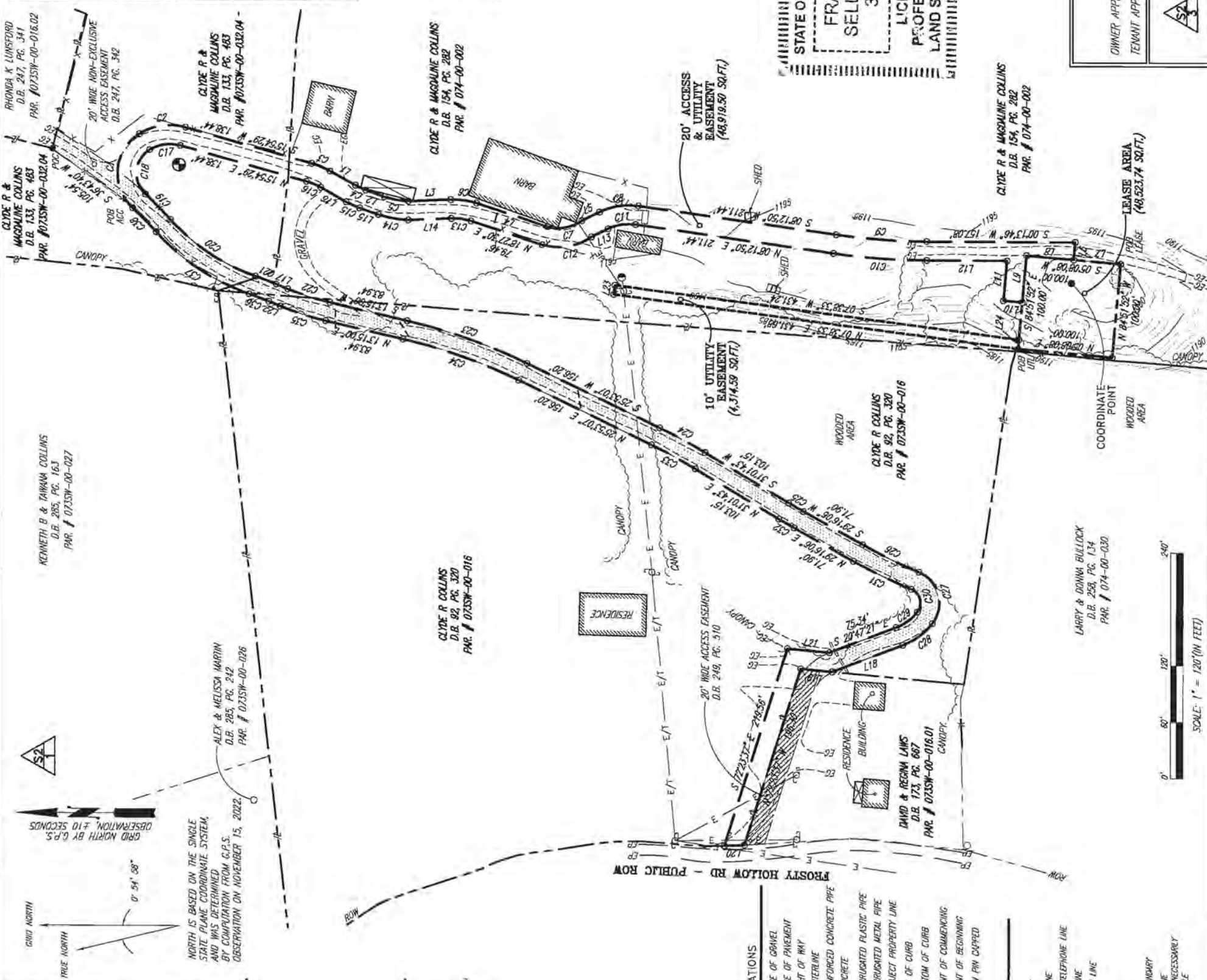
LINE	BEARING	DISTANCE
L1	S 29°21'15" W	30.75'
L2	S 19°27'37" W	20.84'
L3	S 02°16'06" E	44.88'
L4	S 18°27'30" W	79.39'
L5	S 26°16'43" E	21.06'
L6	N 84°51'52" W	18.59'
L7	S 05°08'08" W	50.00'
L8	N 84°51'52" W	50.00'
L9	N 05°08'08" E	20.00'
L10	N 05°08'08" E	20.00'
L11	S 84°51'52" E	42.51'
L12	N 00°13'46" E	85.10'
L13	N 28°16'43" W	19.50'
L14	N 02°16'06" W	45.51'
L15	N 19°27'37" E	21.05'
L16	N 29°21'15" E	30.75'
L17	S 22°31'20" W	13.21'
L18	N 20°47'21" W	79.99'
L19	N 05°20'55" E	33.18'
L20	N 02°02'51" W	21.24'
L21	N 05°20'55" W	44.65'
L22	N 22°31'20" E	13.21'
L23	S 82°21'27" E	10.00'
L24	N 84°51'52" W	10.01'

811
Know what's below.
Call before you dig.
The utility information shown on this plat is provided by the utility companies shown. It is the contractor's responsibility to verify the information with the utility companies before any excavation work is done.

SURVEYOR'S NOTES
SOURCE OF BEARING AND ELEVATION IS A G.P.S. OBSERVATION ON NOVEMBER 15, 2022, FROM A G.S. CONTINUOUSLY OPERATING REFERENCE STATION (CORS) - KY 1017181 B CORRS A95, CORRS_10 - FTM, PD - OLSJ06.
SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS SHOWN HEREON OR NOT.
NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR ABUNDANCES IN THE TITLE OF THE PARCEL TRACT.
THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.
EXISTING CONTIGUOUS ARE AT ONE FOOT INTERVALS.

LAND SURVEYOR'S CERTIFICATE
I, FRANK L. SELINGER, LICENSED LAND SURVEYOR, NO. 3282, STATE OF KENTUCKY, DO HEREBY CERTIFY THAT I AM THE SURVEYOR OF THE ABOVE TITLED SURVEY AND THAT THE SAME IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY AS PERFORMED BY ME OR UNDER MY SUPERVISION AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITNESSED BY MEASUREMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
This survey and plat meets or exceeds the minimum standards of the governing authorities.
This property is subject to any recorded easements or right of ways not shown hereon.
Frank L. Selinger, Jr.
NY. Reg. No. 3282

"WIRELESS COMMUNICATION SITE SURVEY"
OWNER APPROVAL: _____ DATE: _____
TENANT APPROVAL: _____ DATE: _____
I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21023C0200C DATED 08-03-2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE LEASE AREA IS LOCATED IN ZONE "X".



SHEET 2

- SA - PREMISES
- SA - LEGAL DESCRIPTIONS
- SA - FLOOD ZONE DATA
- SA - VICINITY MAP

COORDINATE POINT LOCATION
AND 1983
LATITUDE: 37° 19' 32.58" N
LONGITUDE: 84° 15' 28.77" W
NAVD 1988
ELEVATION: 1210.71'
SINGLE STATE PLANE COORDINATE
(BLUE MARBLE GEOGRAPHIC
CALCULATOR VERSION 3.0)
NORTHING: 3645648.988
EASTING: 5352034.451

PROJECT BENCHMARK
NORTH: 3646530.478
EAST: 5355182.888
ELEVATION: 1210.71'
LOCATION: BEING A 3/4" REBAR W/ CAP
STAMPED "CENTRAL PNT. 901"
NORTH OF THE NORTHEAST
CORNER OF THE LEASE AREA.

ABBREVIATIONS

EG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
CA	CENTERLINE
RCF	REINFORCED CONCRETE PIPE
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CMP	CORRUGATED METAL PIPE
SP	SUBJECT PROPERTY LINE
TC	TOP OF CURB
BC	BOTTOM OF CURB
PCC	POINT OF COMMENCING
PFB	POINT OF BEGINNING
IFC	IRON PIN CAPPED

SYMBOL LEGEND

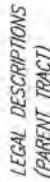
⊕	WOOD POWER POLE
⊙	CONCRETE POWER POLE
⊚	METAL TRAFFIC POLE
⊛	LIGHT POLE
⊜	GUY POLE
⊝	TELEPHONE PEDestal
⊞	GUY ANCHOR
⊟	MANHOLE
⊠	WATER VALVE
⊡	WATER METER
⊢	FIRE HYDRANT
⊣	ELECTRIC BOX
⊤	FENCE POST
⊥	SPOT ELEVATION
⊦	SET #5 REBAR (UNLESS OTHERWISE NOTED)
⊧	EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)
⊨	IRON PIN CAPPED

LINE LEGEND

---	OVERHEAD ELECTRIC
---	UNDERGROUND GAS LINE
---	UNDERGROUND WATER LINE
---	OVERHEAD ELECTRIC & TELEPHONE LINE
---	ORANGE/STORM SEWER LINE
---	EXISTING FENCE
---	PROPOSED FENCE
---	6" DITCH / SWALE
---	SUBJECT PROPERTY BOUNDARY
---	RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR LINE TYPES DO NOT NECESSARILY APPEAR ON DRAWINGS. USE ONLY AS APPLICABLE.





LEGAL DESCRIPTIONS
(PARENT TRACT)



TITLE NOTES



PARENT TRACT DESCRIPTION (PROVIDED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY)

Property located in Rockcastle County, Kentucky

PARCEL 1:
Beginning of a utility pole on East side of Jack Hurd Road, thence southerly along the road to a white oak tree and iron stake, the corner of E.B. Allen, Minnie Kirby, and Kelly Coffey; thence westerly approximately 40 feet to an iron stake at the top of the line principal branches, which is a corner boundary line of E.B. Allen, Moybelle Moore, and Hayes Allen; thence with Hayes Allen boundary line 210 feet to big white oak; thence Southwesterly 88 feet to a pine tree above dwelling; thence Southwest 153 feet to iron stake in line of Donald Collins; thence around Donald Collins line to his Northeast corner and line of Hayes Allen; thence to center of branch and along line of Moybelle Moore other west corner; thence with Moybelle Moore's line South 30 degrees East to corner stone and pine tree; thence with Moybelle Moore's line easterly to iron stake and pine tree, the corner of E.B. Allen and Moybelle Moore; thence easterly in a direct line with Ebb B. Allen to property line of James Galardi to a twin hickory tree in fence line 56 feet south of the branch; thence southerly with James Galardi to a hickory of top of ridge, G. D. Mink corner; thence northwesterly with Mink down a hill to a corner in the branch with fence; thence westerly continuing with Mink and the fence to a corner on top of Pine Hill, fence corner; thence northerly with W.T. Payne, J.B. Fain and Tom Renner lands with a fence to an iron stake in boundary line of a fence corner; thence easterly with a fence, a new line to an iron stake; thence northeasterly a new line to the utility pole, the point of beginning, and containing seventy acres more or less.

LESS AND EXCEPT that portion of property conveyed to Michael Collins from Clyde Raymond Collins and Magdalene Collins by Deed of Conveyance dated July 12, 2006 and recorded August 9, 2006 in Deed Book 211, Page 654. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to Clyde Raymond Collins and Magdalene Collins from Ebb Ben Allen and Willa Robinson Allen by Deed of Conveyance dated June 17, 1994 and recorded June 22, 1994 in Deed Book 154, Page 282.

Tax Parcel No. 074-00-002

PARCEL 2:
The following described real property located in Rockcastle County, Kentucky, and more particularly bounded and described as follows:

On the waters of Roundstone Creek;
Beginning at a stone in the side of the county road, Albert Griffin's (now John Griffin's) corner; thence south with county road 716 feet to a stone in the edge of county road; thence east a straight line to the top of the ridge to Albert Griffin's line; thence north with Griffin's line to a pine corner in said line; thence west a straight line to the beginning corner and containing ten (10) acres the same more or less.

LESS AND EXCEPT that portion conveyed to Darrell Collins and Chia G. Collins from Clyde Raymond Collins and Magdalene Collins by Deed of Conveyance dated March 23, 1999 and recorded March 26, 1999 in Deed Book 173, Page 667. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to C. Raymond Collins and Magdalene W. Collins from William Cash, Jr., and Doris P. Cash by Deed of Conveyance dated April 20, 1972 and recorded April 25, 1972 in Deed Book 92, Page 320.

Tax Parcel No. 0735W-00-016

PARCEL 3:
The following described real property located in Rockcastle County, Kentucky, and more particularly bounded and described as follows:

Beginning on a pine on the west side of a dirt road and being a corner to Clyde Collins and Benton Miller; thence with line of Miller N19° 42' 25" E, 104.52 feet to a white oak; N 12° 10' 00" E, 314.37 feet to a post; thence N 00° 34' 30" W, 76.40 feet to a post in line of Miller and corner to Clifford Collins; thence with line of Collins S 77° 01' 13" E, 102.04 feet to a post; S 70° 20' 20" E, 221.74 feet to a post; N 22° 41' 55" E, 50.71 feet to a post in line of Clifford Collins and corner to George Collins; thence with line of same S 56° 58' 22" E, 132.79 feet to a post corner of George Collins and Ronnie Ward; thence with line of Ward S 03° 23' 15" W, 118.32 feet; S 60° 48' 04" E, 262.61 feet to an iron post in line of Ward and corner to James Jones; thence S 23° 44' 26" W, 457.49 feet to an iron post, corner to Jones and in line of Ben Allen; thence with line of Allen N 55° 00' 00" W, 195.48 feet to a post; N 60° 00' 00" W, 145.99 feet to a post; N 74° 48' 13" W, 35.91 feet to a white oak; N 80° 23' 35" W, 149.90 feet to a black oak; N 76° 04' 38" W, 97.45 feet to a black oak corner to Allen and in line of Clyde Collins; thence with same N 13° 07' 16" W, 64.57 feet to point of beginning. Containing 7.972 acres by survey of Charles Mullins Registered Land Surveyor No. 778.

LESS AND EXCEPT that portion conveyed to Rhonda Collins and Steve Lunsford from Clyde Collins and Magdalene Collins by Deed of Conveyance dated August 4, 2000 and recorded September 8, 2000 in Deed Book 181, Page 168. (SAME AS PAR. #0735W-00-016.02. DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to Clyde Raymond Collins and Magdalene Collins from George Collins and Irene Collins by Deed of Conveyance dated March 29, 1988 and recorded April 4, 1988 in Deed Book 133, Page 483.

Tax Parcel No. 0735W-00-032.04



SURVEYOR'S REVIEW OF "SPECIAL EXCEPTIONS"

NOTES CORRESPONDING TO THE FIDELITY NATIONAL TITLE INSURANCE COMPANY, "REPORT OF TITLE", ORDER NUMBER: 37985209 AND REFERENCE NUMBER: VERIZON WIRELESS- LV MT. VERNON EAST, EFFECTIVE DATE: 10/13/2022.

4. Easement in favor of Kentucky Utilities Company set forth in instrument recorded on April 9, 1984 in Deed Book 122, Page 152. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

5. Certificate of Title (Mobile Home) recorded on July 19, 2010 in Miscellaneous Book 46, Page 93. (NOT A SURVEY ISSUE)



1012 S 4th Street, Suite 101
Louisville, Ky 40203
Phone: (502) 636-5111
Fax: (502) 636-5263

SITE NUMBER: 721772

SITE NAME: MT VERNON EAST

SITE ADDRESS: FROSTY HOLLOW RD
MT VERNON, KY 40456

LEASE AREA: 10,000.00 SQ.FT.

PROPERTY OWNER: CLYDE R & MAGDALINE COLLINS
317 FROSTY HOLLOW RD
MT VERNON, KY 40456

PARCEL NUMBER: 074-00-002,
0735W-00-032.04,
& 0735W-00-016

SOURCE OF TITLE: D.B. 154, PG. 282,
D.B. 133, PG. 483,
& D.B. 92, PG. 320

DWG BY: SMS FIELD DATE: DRAFT DATE:
CHKD BY: FLS 11.15.22 12.09.22

FSTAN PROJECT NO.: 22-11628

SHEET 4 OF 4

REVISIONS:
ACCESS ESMT - 01.09.23
ADD TITLE - 02.21.23
FINAL(S&S) - 02.27.23

SHIFT COORD. PNT. -04.24.23(2311737)

RAWLAND



LAND SURVEYOR'S CERTIFICATE
I, THE SURVEYOR, UNDERTAKING THIS SURVEY, HEREBY CERTIFY THAT THIS PLAN AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITHNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
This survey and plot meets or exceeds the minimum standards of the governing authorities.
This property is subject to any recorded easements or right of ways not shown hereon.
Frank L. Sellinger
KY. Reg. No. 3282



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

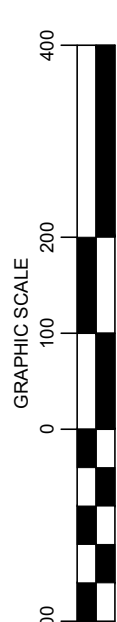
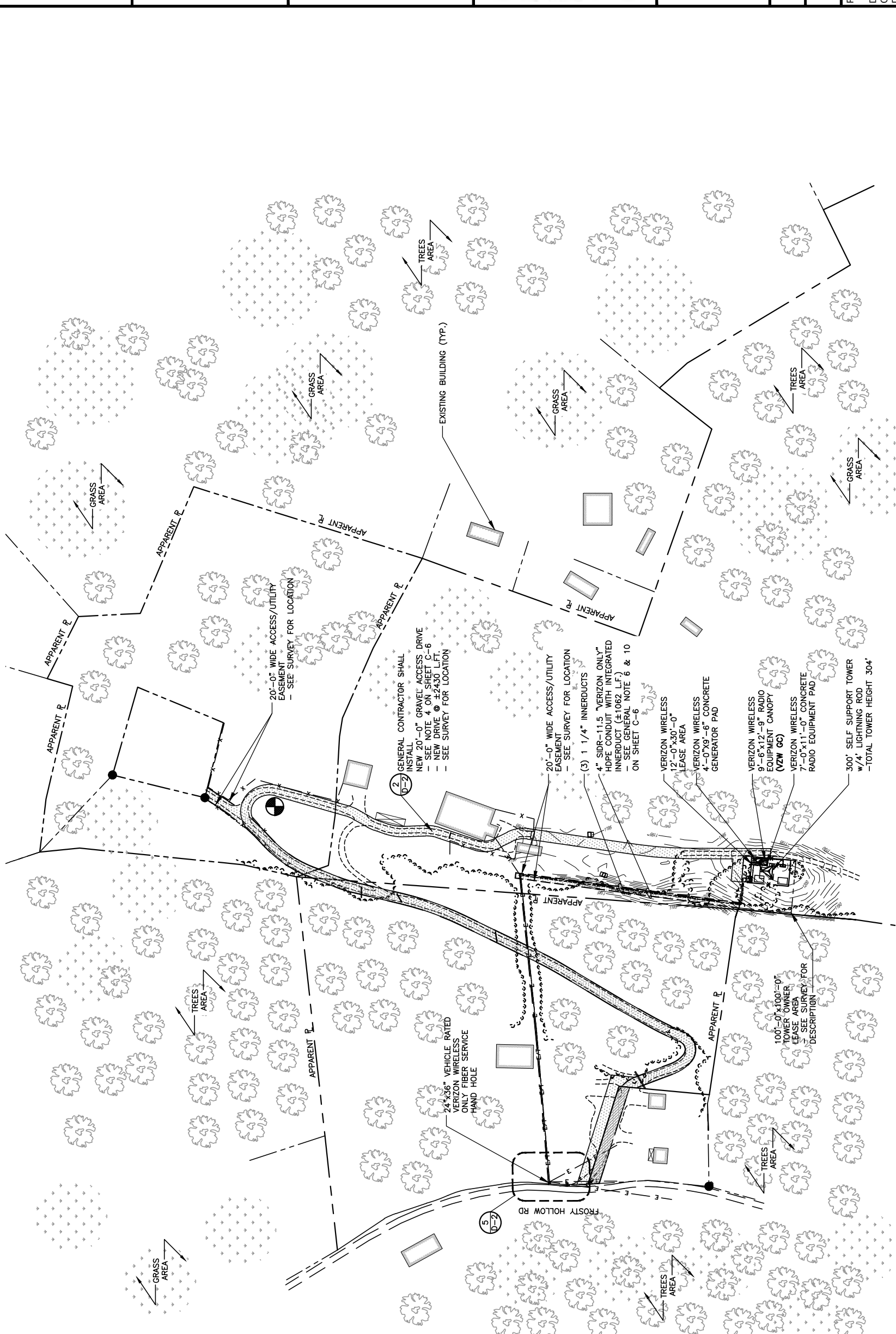
PID NUMBER:
16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
C-0

SCALE: 1" = 200'



OVERALL SITE PLAN
SCALE: 1" = 200'

Kentucky 811
Know what's below.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UTILITY OWNERS AT LEAST 48 HOURS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:

OVERALL SITE PLAN
W/AERIAL OVERLAY

SHEET NUMBER:

C-1

MR. PNO & CANOPY REV. 3 FINAL 10/16/23



Know what's below.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE APPROPRIATE AGENCIES AT LEAST 72 HOURS BEFORE COMMENCING WORK.



SCALE: 1" = 50'



OVERALL SITE PLAN W/AERIAL OVERLAY



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

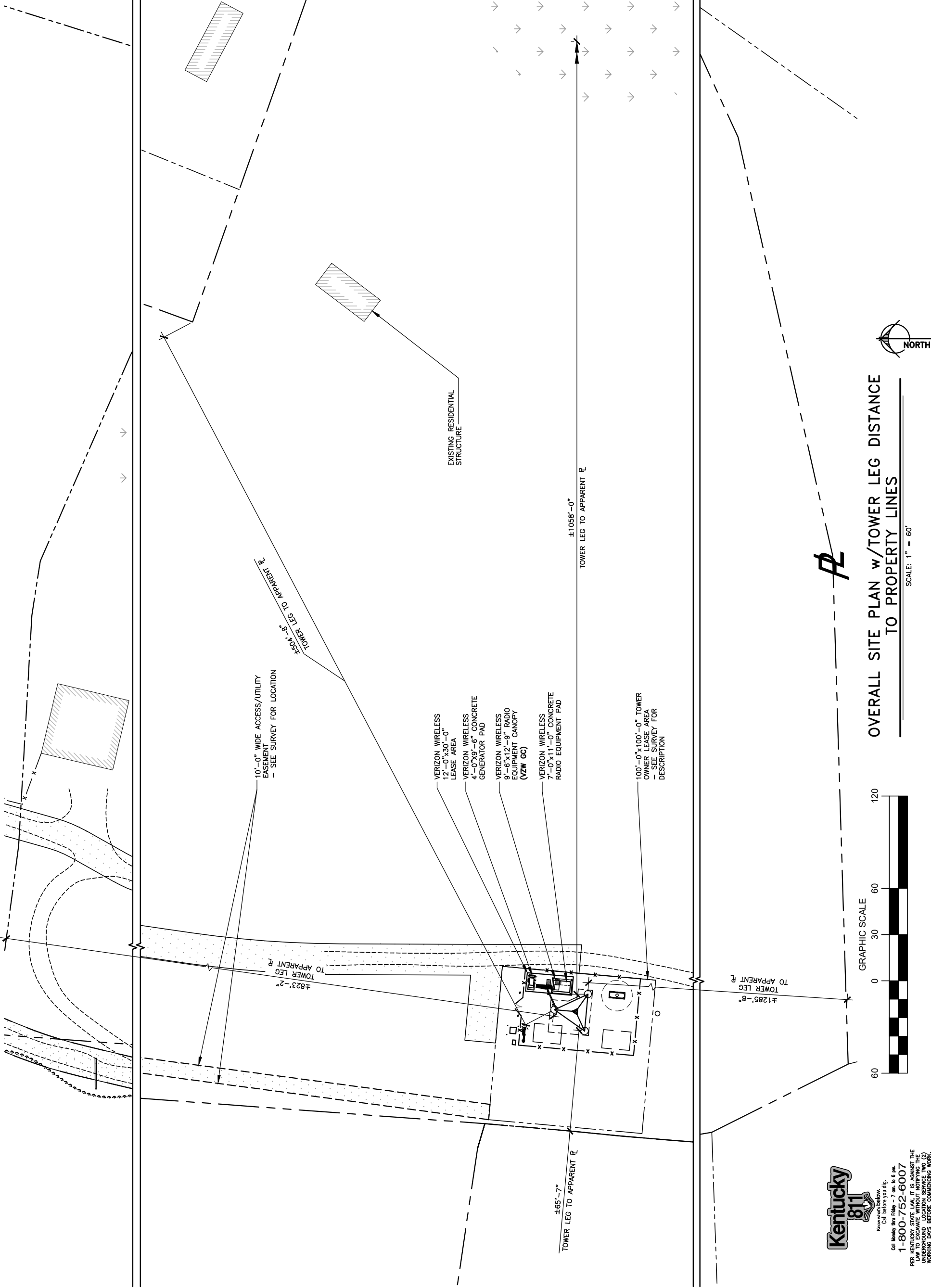
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

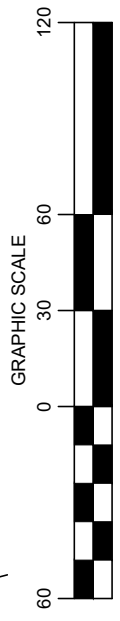
SHEET TITLE:
OVERALL SITE PLAN w/TOWER LEG DISTANCE TO PROPERTY LINES

SHEET NUMBER:
C-1A
MK P&C & CANOPY REV. 3 FINAL 10/16/23



OVERALL SITE PLAN w/TOWER LEG DISTANCE TO PROPERTY LINES

SCALE: 1" = 60'



Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO CONDUCT ANY UNDERGROUND UTILITY LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

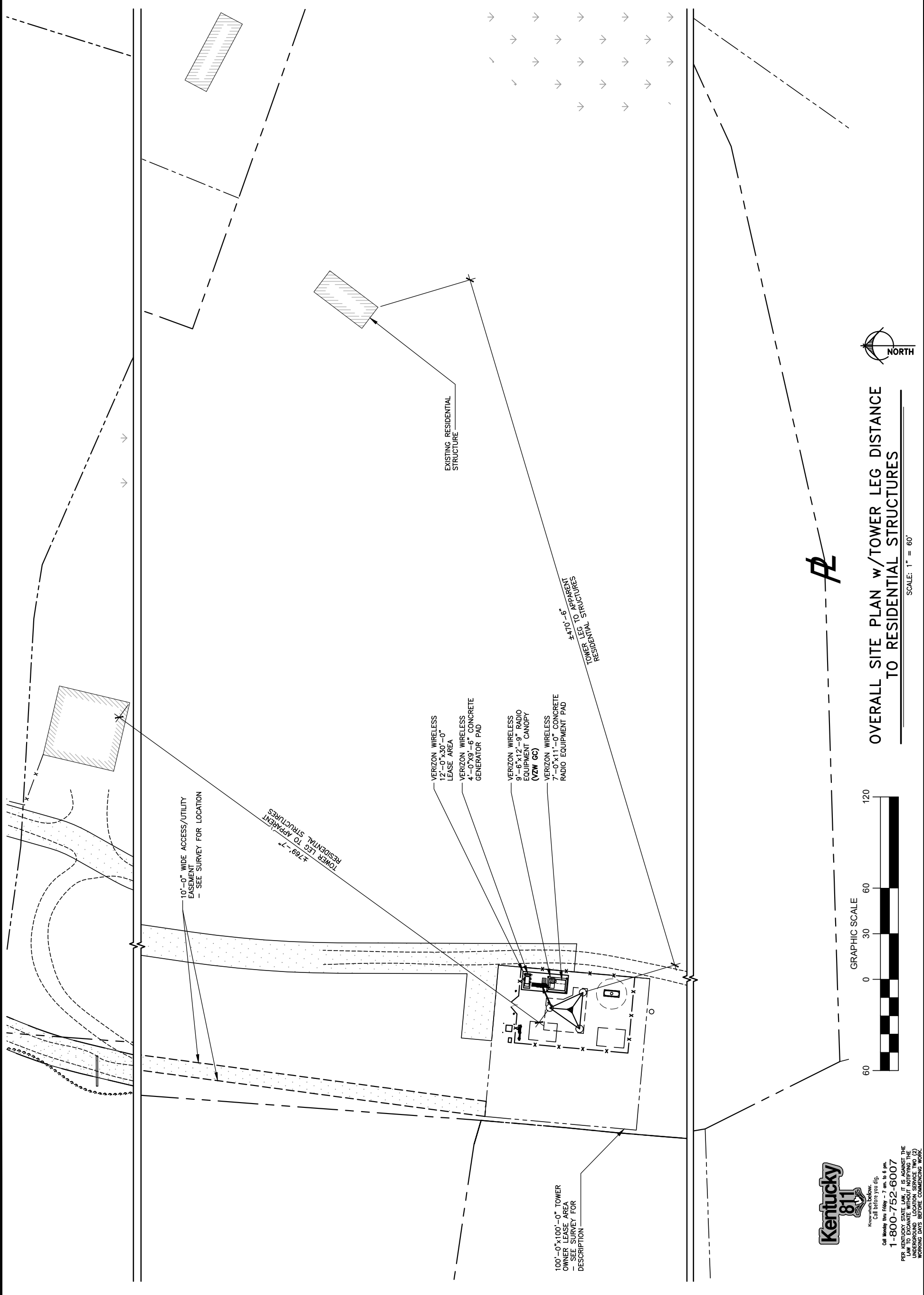
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

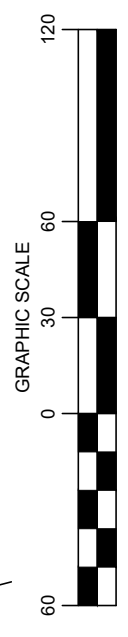
SHEET TITLE:
OVERALL SITE PLAN w/TOWER LEG DISTANCE TO RESIDENTIAL STRUCTURES

SHEET NUMBER:
C-1B
MK PLO & CANOPY REV. 3 FINAL 10/16/23

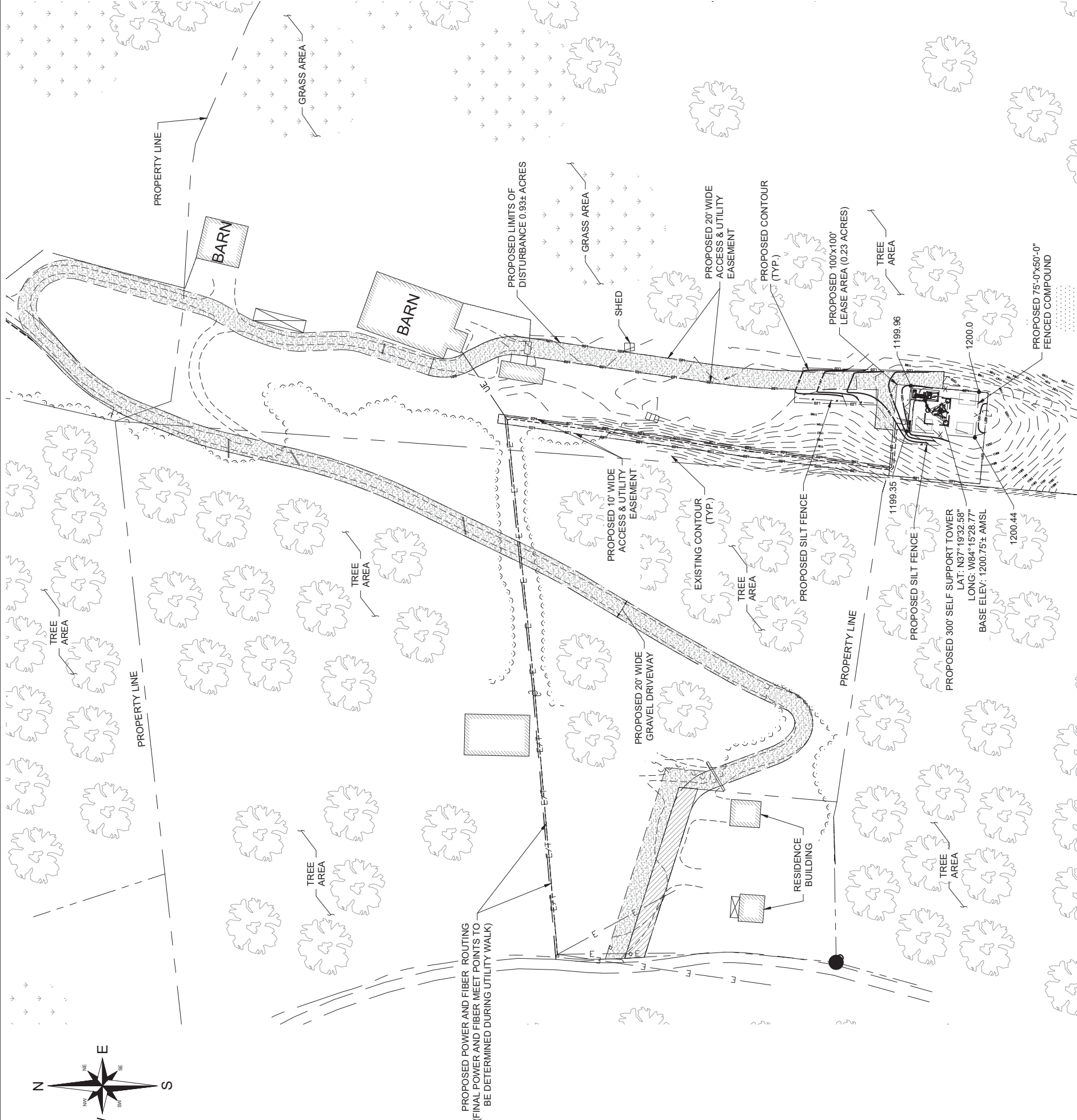


OVERALL SITE PLAN w/TOWER LEG DISTANCE TO RESIDENTIAL STRUCTURES

SCALE: 1" = 60'



Know Your Location.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO ENGAGE IN UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



REV	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY
4	12/15/23	REVISED PER SITE CONDITIONS	YAY	AAN
3	10/27/23	REVISED PER SITE CONDITIONS	YAY	AAN
2	08/16/23	REVISED PER SITE CONDITIONS	YAY	AAN
1	07/31/23	ISSUED FOR CONSTRUCTION	YAY	AAN
0	03/17/23	PRELIMINARY	YAY	AAN

SITE INFORMATION

LV MT VERNON EAST
721772
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

PROJECT NUMBER:
33746.LAB.GDP.C47049.2

SHEET NAME:
GRADING & EROSION CONTROL OVERALL PLAN

SHEET NUMBER:
C-2

SCALE:
AS SHOWN

- NOTES:**
- SEE NOTES ON SHEET C-6.
 - NO CUT OR FILL SLOPE SHALL BE STEEPER THAN 3H:1V.
 - CONTRACTOR TO ADHERE TO ALL KENTUCKY DEPARTMENT OF TRANSPORTATION REQUIREMENTS AND SPECIFICATIONS DURING CONSTRUCTION

LEGEND

---	1195'	EXISTING CONTOUR
---	1199'	PROPOSED CONTOUR
---		EXISTING EASEMENT
---		PROPOSED EASEMENT
---		PROPOSED LEASE AREA
X		PROPOSED FENCE
---		EXISTING EDGE OF PAVEMENT
FO		UNDERGROUND FIBER CONDUIT
E		UNDERGROUND ELECTRICAL CONDUIT
---		PROPOSED DITCH
●	1200.72	PROPOSED SPOT ELEV

EROSION AND SEDIMENT CONTROL LEGEND

---	SF	PROPOSED SILT FENCE
---	SF	LIMITS OF DISTURBANCE
---	LOD	

1 GRADING & EROSION CONTROL OVERALL PLAN

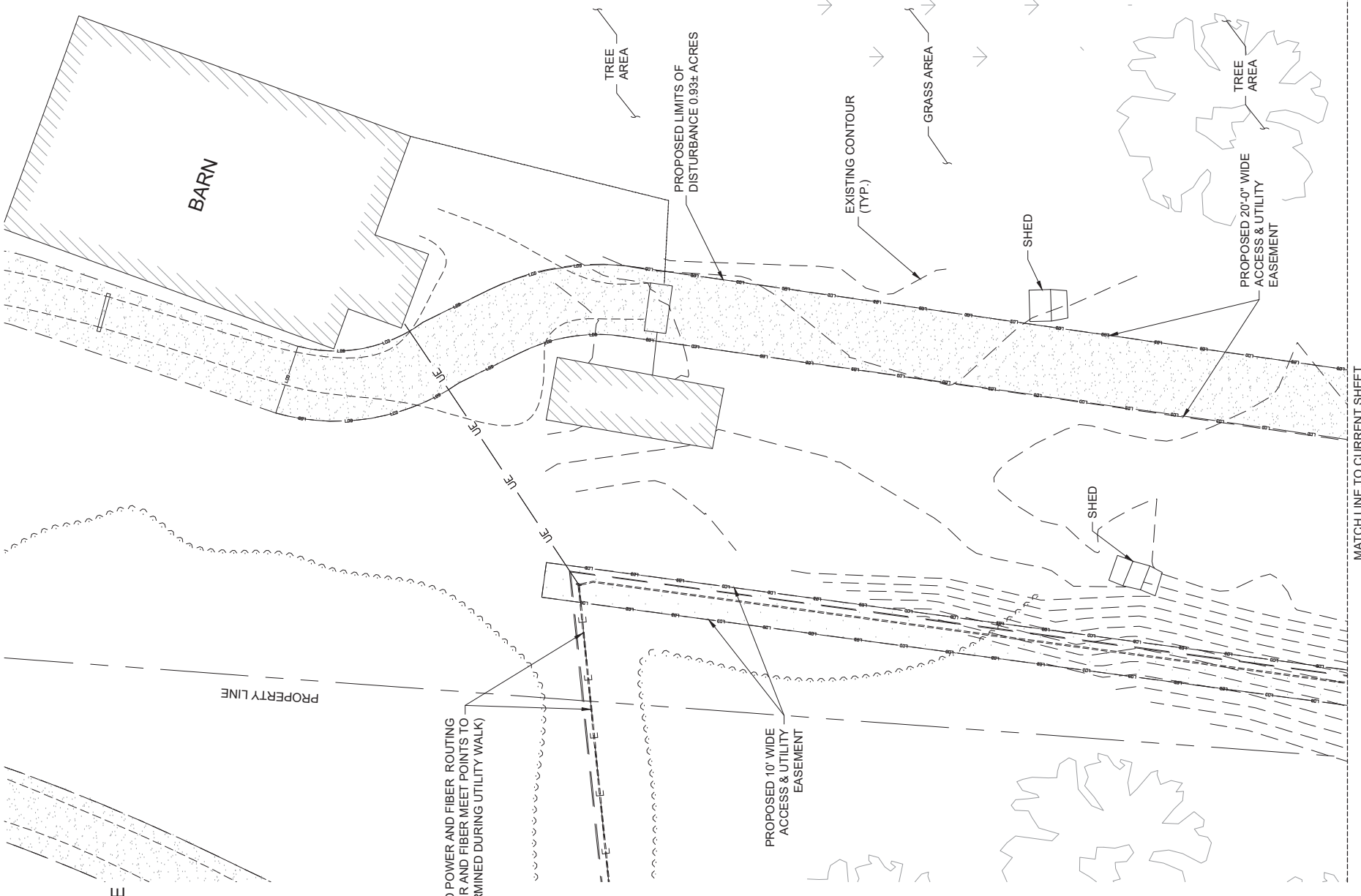
SCALE: 1"=40' FOR 24" X 36" PLOT
SOURCE: 11/28/2023/2024



PROPOSED POWER AND FIBER ROUTING (FINAL POWER AND FIBER MEET POINTS TO BE DETERMINED DURING UTILITY WALK)

PROPOSED 10' WIDE ACCESS & UTILITY EASEMENT

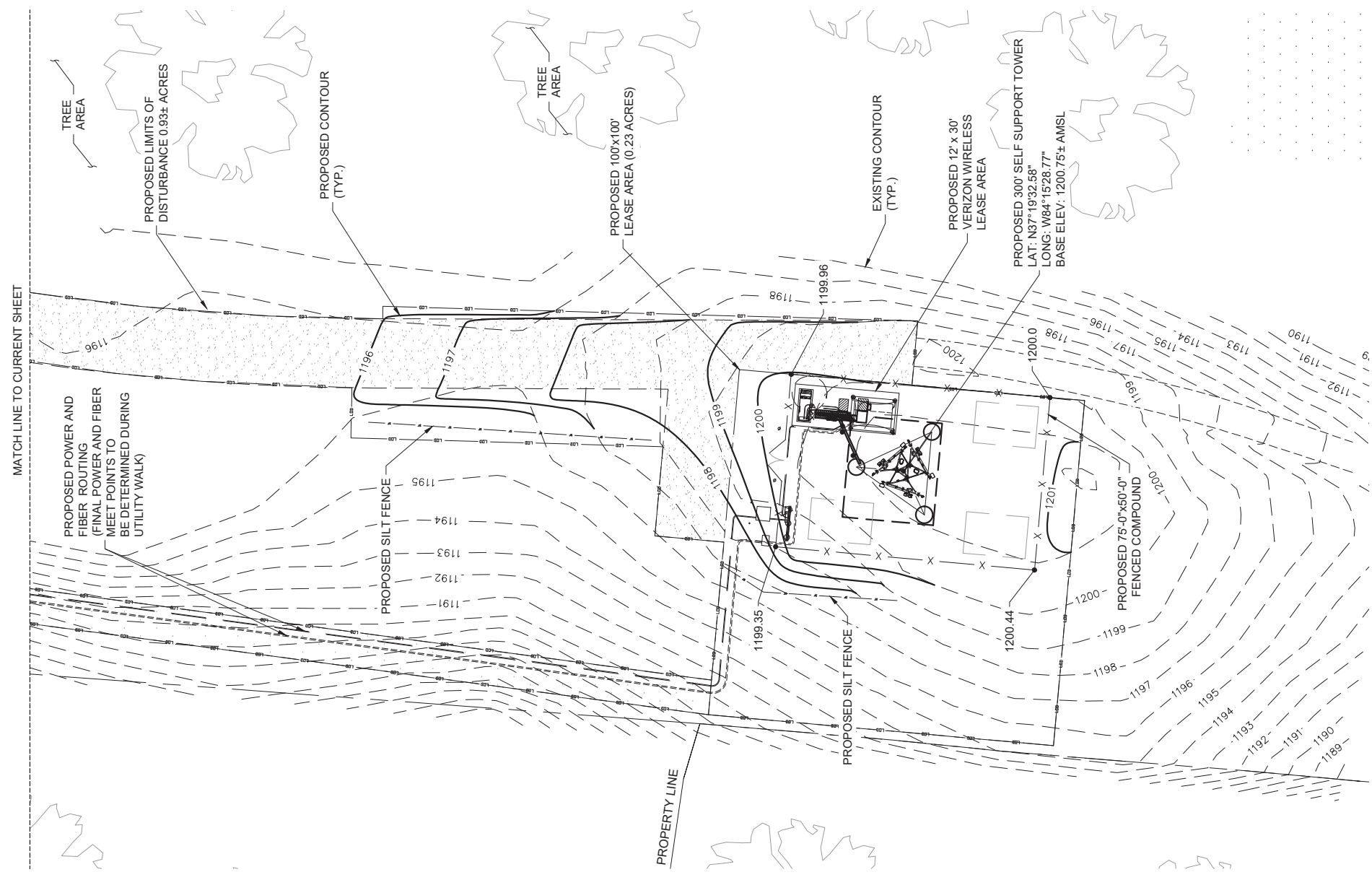
PROPERTY LINE



MATCH LINE TO CURRENT SHEET

2 GRADING & EROSION CONTROL PLAN

SCALE: 1"=20' FOR 11'x17'
1"=40' FOR 22'x34'



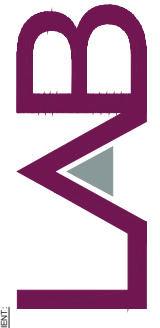
MATCH LINE TO CURRENT SHEET

3 GRADING & EROSION CONTROL PLAN

SCALE: 1"=20' FOR 11'x17'
1"=40' FOR 22'x34'



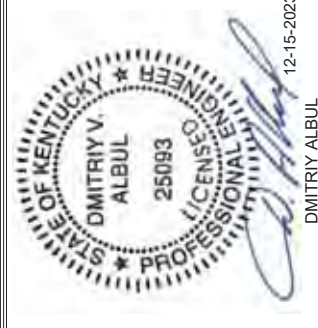
250E 96TH ST, STE 175
INDIANAPOLIS, IN 46240-3753



49030 PONTIAC TRAIL, SUITE 400
WIXOM, MICHIGAN 48393
PHONE: (248) 705-9212



3840 E. ROBINSON ROAD
AMHERST, NY 14228
WWW.ALBULENG.COM



12-15-2023
DMITRIY ALBUL
KY LICENSE NO. 25093

REV.	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
4	12/15/23	REVISED PER SITE CONDITIONS	YAY	AAN
3	10/27/23	REVISED PER SITE CONDITIONS	YAY	AAN
2	08/16/23	REVISED PER SITE CONDITIONS	YAY	AAN
1	07/31/23	ISSUED FOR CONSTRUCTION	YAY	AAN
0	03/17/23	PRELIMINARY	YAY	AAN

SITE INFORMATION

LV MT VERNON EAST
721772
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

PROJECT NUMBER:
33746.LAB.GDP.C47049.2

SHEET NAME:
GRADING & EROSION CONTROL OVERALL PLAN

SHEET NUMBER:
C-2.1

SCALE:
AS SHOWN

SHEET SIZE - 22"x34"

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TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

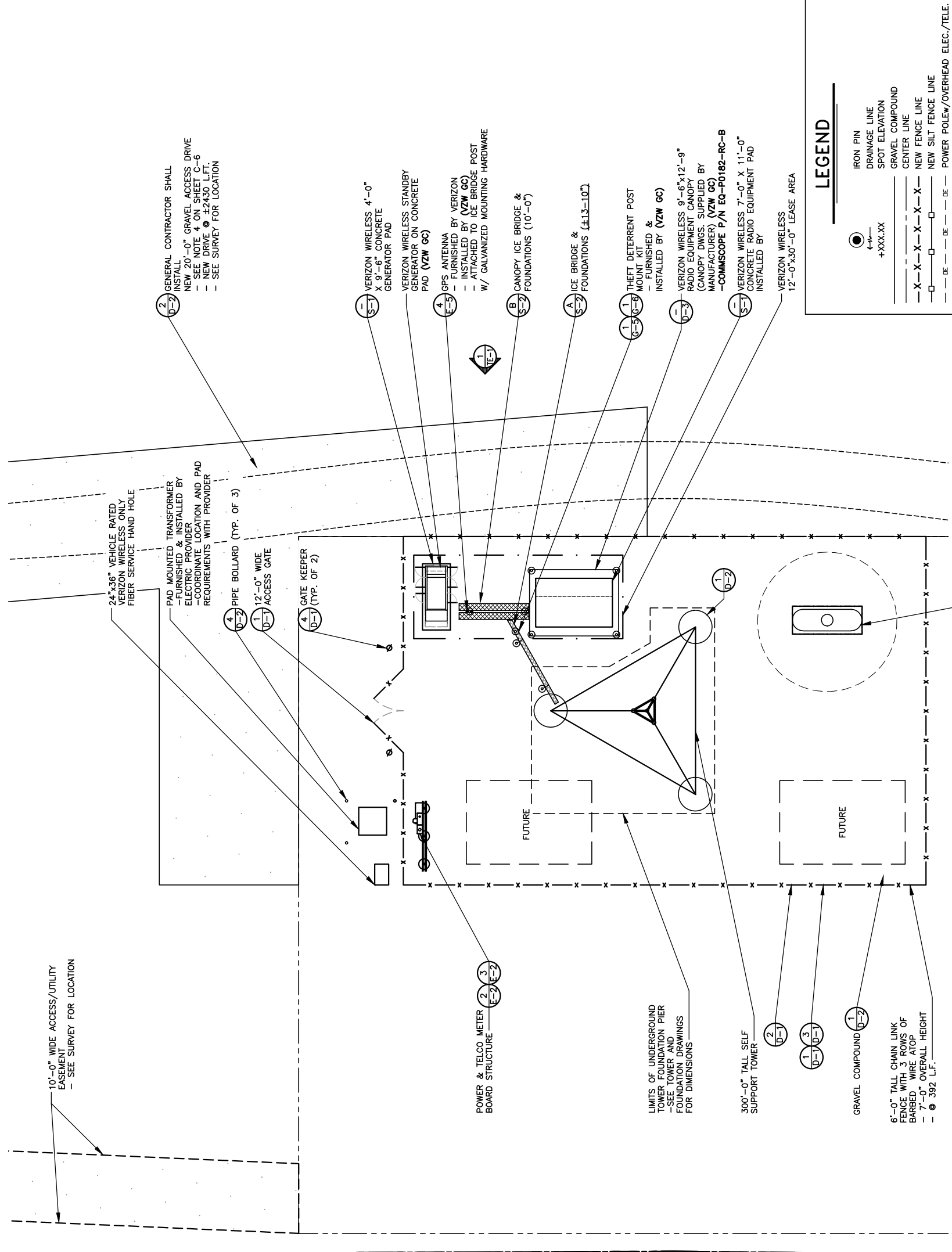
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
DETAILED SITE PLAN

SHEET NUMBER:
C-3
WK. PLO & CANOPY REV. 3 FINAL 10/16/23



LEGEND

	IRON PIN
	DRAINAGE LINE
	SPOT ELEVATION
	GRAVEL COMPOUND
	CENTER LINE
	NEW FENCE LINE
	NEW SILT FENCE LINE
	POWER POLE/OVERHEAD ELEC./TELE.
	EDGE OF NEW DRIVE
	UNDERGROUND ELECTRICAL CONDUIT
	UNDERGROUND TELEPHONE CONDUIT
	EXISTING CONTOURS
	NEW CONTOURS
	FENCED COMPOUND
	CONCRETE
	ACCESS DRIVE

DETAILED SITE PLAN
SCALE: 1/16" = 1'-0"



*NOTE: GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON WIRELESS CONSTRUCTION MANAGER



Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
FOR A LIST OF PARTICIPATING UTILITIES, VISIT THE WEBSITE: www.kentucky811.com
PER KENTUCKY STATE STATUTE, IT IS THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

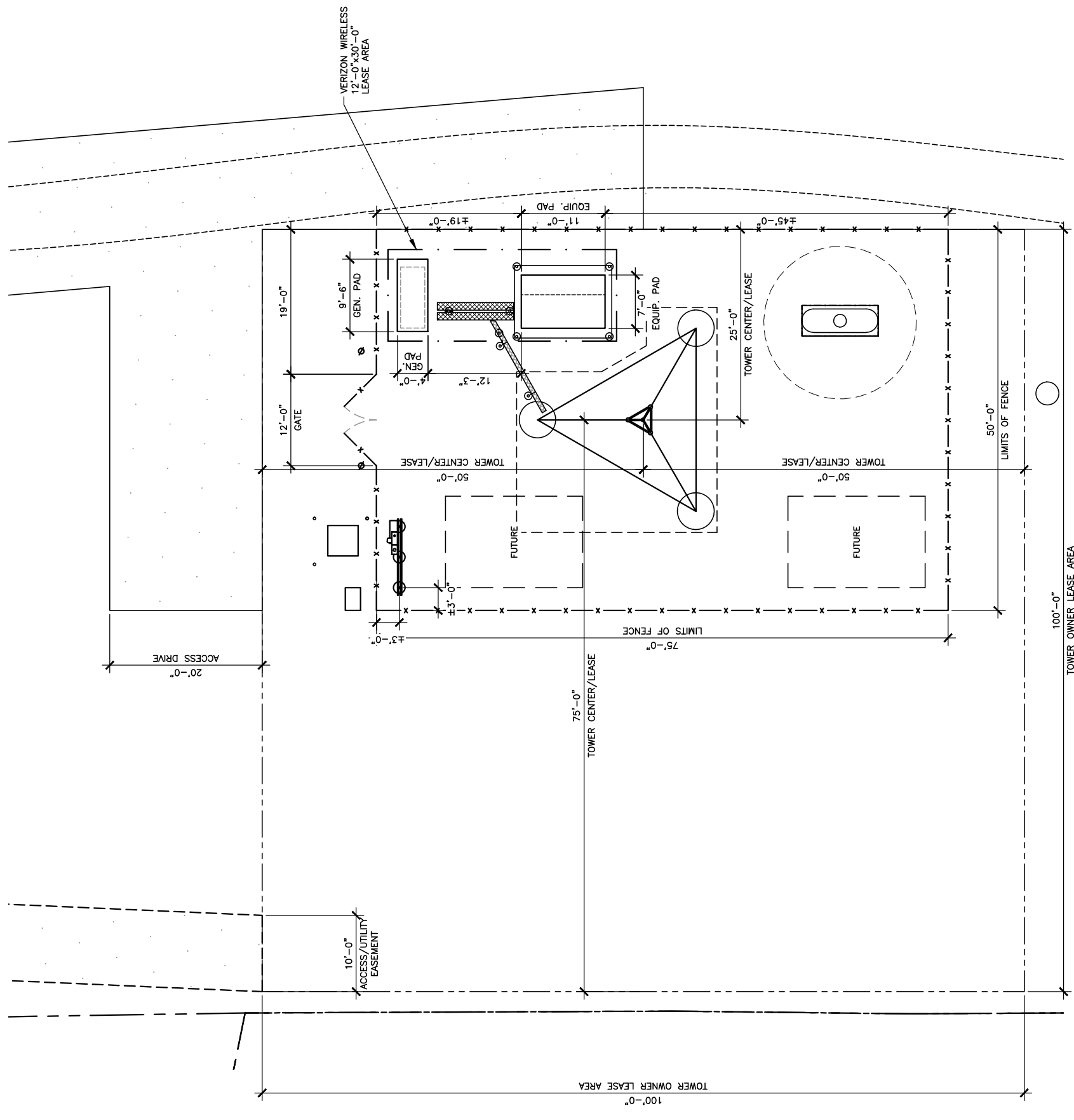
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
DIMENSIONED SITE PLAN

SHEET NUMBER:
C-4
MK PLO & CANOPY REV 3 FINAL 10/16/23



LEGEND

- IRON PIN
- DRAINAGE LINE
- SPOT ELEVATION
- GRAVEL COMPOUND
- CENTER LINE
- NEW FENCE LINE
- NEW SILT FENCE LINE
- POWER POLEW/OVERHEAD ELEC./TELE.
- EDGE OF NEW DRIVE
- UNDERGROUND ELECTRICAL CONDUIT
- UNDERGROUND TELEPHONE CONDUIT
- EXISTING CONTOURS
- NEW CONTOURS
- NEW LEASE AREA AND EASEMENT
- FENCED COMPOUND
- CONCRETE
- ACCESS DRIVE



DIMENSIONED SITE PLAN

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

*NOTE: GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON WIRELESS CONSTRUCTION MANAGER

Kentucky 811
Know what's below. Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE STATE OF KENTUCKY 811 CENTER AT LEAST 48 HOURS BEFORE COMMENCING WORK.

GENERAL SITE CONSTRUCTION NOTES

1. SCHEDULE

THE CONSTRUCTION OF THE SITE REQUIRES A CERTAIN SEQUENCE OF EVENTS TO MINIMIZE CONSTRUCTION TIME REQUIRED UNTIL AVAILABILITY OF CELLULAR TELEPHONE SERVICE. VERIFY SCHEDULE DURING BID WALK.

2. TOWER OWNER REPRESENTATIVE:

TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
PHONE: (659) 544-5000

PROPERTY OWNER REPRESENTATIVE:

CLYDE & MAGDALENE COLLINS

3. ANTENNA INSTALLATION:

THE VERIZON WIRELESS CONTRACTOR (VZW GC) INSTALLING THE FRAME/PLATFORM SHALL ENSURE THAT THE PLATFORM IS ALIGNED BASED ON THE VERIZON WIRELESS RF PLAN. DURING THE WORK, THE GENERAL CONTRACTOR SHALL BE LIMITED TO THE WORK WHICH CAN BE PERFORMED OUTSIDE THE VICINITY OF THE TOWER.

4. ACCESS DRIVEWAY:

THE GENERAL CONTRACTOR SHALL CONSTRUCT THE ACCESS DRIVE PER THE ALIGNMENT AS SHOWN ON THESE DRAWINGS. IF ANY AREA OF CONSTRUCTION REQUIRES ADDITIONAL FILL OF AGGREGATE STONE THAN SHOWN ON THE DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER FOR APPROVAL OF THE SIZE, TYPE AND QUANTITY OF STONE/FILL NECESSARY AND SHALL NOT BE USED UNTIL APPROVAL BY THE ENGINEER. THE GENERAL CONTRACTOR SHALL ALSO OBTAIN DRIVE PERMIT FOR NEW ACCESS DRIVE.

5. PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR:

THIS VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS FOR THE PROPER LIFTING, TRANSPORTING AND ASSEMBLY OF THE PREFABRICATED EQUIPMENT CABINETS FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION. THE EQUIPMENT CABINETS SHALL BE LIFTED INTO PLACE ON THE CONCRETE EQUIPMENT PAD. THE GENERATOR SHALL BE LIFTED INTO PLACE BY USING TWO SPREADER BAR ASSEMBLIES. EACH SPREADER BAR SHALL BE A MINIMUM 3" WIDE (RATED TO CARRY 3 TONS). THE GENERATOR WEIGHT IS 1,425# WITH TANK PEDESTAL. VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL ANCHOR THE EQUIPMENT CABINETS AND GENERATOR BASE TO THE CONCRETE SLAB USING ANCHOR BOLTS. EXTREME CAUTION SHALL BE TAKEN IN THE INSTALLATION OF ALL EQUIPMENT TO AVOID CONTACT WITH EXISTING OVERHEAD UTILITY LINES.

THE VERIZON WIRELESS CONTRACTOR (VZW GC) IS RESPONSIBLE FOR ATTACHING, SECURING OR ASSEMBLING ANY NECESSARY LOOSE ITEMS THAT ARE SHIPPED WITH THE PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR AND SHALL INCLUDE THIS WORK IN THE VZW EQUIPMENT INSTALLATION PORTION OF THE BID.

6. UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND PROPER BACKFILLING OF TRENCHES AND SUPPLY CONDUIT REQUIRED FOR UNDERGROUND TELEPHONE & ELECTRICAL UTILITIES. ALL TRENCHING SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE W/ASTM D-1557.

THE CONTRACTOR SHALL RUN AN ELECTRICAL TRENCH WITH 2 1/2" CONDUIT AND DETECTABLE PULL TAPE FROM THE NEW RADIO EQUIPMENT PAD AND END AT THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL THEN RUN (2) TWO 4" CONDUIT WITH PULL TAPE FROM THE METER BOARD TO THE NEW PAD MOUNTED TRANSFORMER LOCATION AND STUB UP 6" ABOVE GRADE. THE ELECTRICAL PROVIDER WILL RUN UNDERGROUND CONDUIT FROM THE NEW TRANSFORMER TO THE NEW UTILITY POLE. CONSTRUCTION TO VERIFY LOCATION OF CONDUIT AND TRANSFORMER. CONDUITS MUST HAVE A MINIMUM DEPTH OF 36". CONTRACTOR SHALL CONTACT ELECTRIC PROVIDER TO VERIFY THE METER BOARD LOCATION. THE CONTRACTOR SHALL PREPARE THE ELECTRICAL PROVIDER SHALL SUPPLY SERVICE TO THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL CONTACT ELECTRIC PROVIDER TO SET UP AN INSPECTION OF THE TRENCHES BEFORE THEY ARE BACKFILLED. THE CONTRACTOR SHALL PROPERLY BACKFILL THE TRENCHES AFTER INSPECTION AND SETTLEMENT. CONTACT ELECTRIC PROVIDER THREE TO FOUR WEEKS PRIOR TO CONSTRUCTION FOR NEW SERVICE AND COORDINATION OF ACCESS TO SITE. THE CONTRACTOR SHALL CONTACT ----- FOR A COPY OF THEIR SPECIFICATIONS BEFORE CONSTRUCTION

THE TOWER OWNER SHALL ENSURE PERMANENT ELECTRIC POWER IS AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED TO VERIZON WIRELESS AS TENANT READY.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL RUN ELECTRICAL CONDUCTORS FROM NEW METER CENTER TO NEW VZW INTEGRATED LOAD CENTER WITHIN TOWER OWNER INSTALLED 2 1/2" CONDUIT CONTACT ELECTRIC PROVIDER TO HAVE NEW METER INSTALLED.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR THE ORDERING AND COORDINATING THE DELIVERY OF A FIBER OPTIC SERVICE LINE TO THE RADIO EQUIPMENT ENCLOSURE. COORDINATE WITH THE FIBER PROVIDER AND THE VERIZON WIRELESS FACILITY ENGINEER.

- ONE 4" SDP-11.5 HDPE FIBER CONDUITS w/INTEGRATED INNERDUCTS SHALL BE INSTALLED FROM HANDHOLE OUTSIDE COMPOUND MEET POINT AT THE PUBLIC RIGHT-OF-WAY WITHIN UTILITY EASEMENT WITH PULL TAPE THE HANDHOLE MODEL AS FOLLOWS:
 - THE VERIZON FIBER CONDUIT HANDHOLES SHALL BE OLDCASTLE INFRASTRUCTURE MODEL 24361480-PC2436-30 T22 - VERIZON LOGO OR OLAZTIEHUBBELL POWER SYSTEMS MODEL PC24362185784 ASSY T22 SW OR 24x36x30 VERIZON V. OR APPROVED EQUALS. ALTERNATIVE HANDHOLES MAY BE USED IF MEETING THE DESIGNATED LOADING AND HAVING DIMENSIONS OF AT LEAST 2'3"x2.5'. ALL VERIZON HANDHOLES TO HAVE "VERIZON" LOGO ON COVER.
 - BY THE GENERAL USE FIBER CONDUIT HANDHOLE SHALL BE A MODEL AS APPROVED BY THE CONSTRUCTION FIBER MANAGER.
- CONTRACTOR SHALL PLACE ADDITIONAL HANDHOLES ALONG ROUTE AS NECESSARY, SO THAT SPACING BETWEEN HANDHOLES IS NO GREATER THAN 500 FEET.
- CONTRACTOR SHALL PLACE (1) COPPERHEAD INDUSTRIES ORANGE TRACER WIRE (PART NO. 1230N-HS) OR APPROVED EQUIVALENT ABOVE PROPOSED FIBER CONDUIT(S)
- ONE 4" SDP-11.5 HDPE FIBER CONDUIT w/INTEGRATED INNERDUCTS SHALL BE INSTALLED FROM VERIZON WIRELESS ONLY HANDHOLE OUTSIDE COMPOUND TO VERIZON WIRELESS EQUIPMENT PAD LOCATION (PER PLANS)

ELECTRIC SERVICE PROVIDED BY: FIBER OPTIC SERVICE PROVIDED BY:

????????? POWER FIBER PROVIDER TO BE DETERMINED BY VERIZON WIRELESS

ADDRESS: STREET ADDRESS
CITY, ST ZIP CODE
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

7. SITE GRADING

A. UNIFORMLY GRADE AREA TO BE SMOOTH SURFACE FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTION, TOPO LINES AND ELEVATIONS INDICATED.

1. COMPOUND SURFACE GRADES ARE TO BE SLOPED TO DIRECT WATER AWAY FROM EQUIPMENT PAD AND TOWER TO PREVENT STANDING AND PONDING WATER.

2. COMPOUND SURFACE SHALL BE COMPACTED TO A 95% MAXIMUM DRY DENSITY TO ALLOW PROPER STERILIZATION FOR ACCESS TO ALL CUSTOMERS DENSITY TESTING MAY BE REQUIRED AT VERIZON WIRELESS' DISCRETION DUE TO QUESTIONABLE COMPACTION OF FINISH SURFACE GRADE OR SUB-GRADE.

3. DITCHES/SWALES AROUND THE COMPOUND AREA AND ALONG ACCESS ROAD SHALL BE CONSTRUCTED SO TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES/SLOPE AND NEW PROPOSED GRADES.

4. SITE GRADING AND DRAINAGE SHOULD BE CONSTRUCTED TO PREVENT WATER FROM ENTERING THE COMPOUND SURFACE OR THE ACCESS ROAD SUB-GRADE.

B. MOISTURE CONTROL - UNIFORMLY MOISTEN OR AERATE SUB-GRADE AND EACH SUBSEQUENT FILL OR BACK-FILL LAYER BEFORE COMPACTION TO WITHIN 90% OF OPTIMUM MOISTURE CONTENT. DO NOT PLACE BACK-FILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST, SNOW OR ICE.

C. STOCKPILING MATERIAL (TOP SOIL OR FILL DIRT) - SHOULD BE PLACED IN AN AREA THAT CAN BE CONTROLLED TO PREVENT WATER, SNOW, OR ICE FROM EFFECTING MOISTURE CONTENT. STOCKPILES MAY HAVE TO BE COVERED TO PREVENT ADDITIONAL MOISTURE FROM ACCUMULATING SO ACCEPTABLE FILL CAN BE USED.

D. DE-WATERING - PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUB-GRADE, AND FROM FLOODING PROJECT OR BUILD AREA.

E. EROSION CONTROL - MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
1. ALL INLETS, DRAINS, PIPES, SWELLS, AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.

F. GEOTEXTILE FABRIC - AFTER PLACEMENT AND COMPACTION OF FILL WITHIN THE WORK AREA AND BEFORE THE PLACEMENT OF LIMESTONE AGGREGATE. (SEE SITE AREA SURFACING DETAIL ON D-1). THE ENTIRE DISTURBED WORK AREA SHALL BE COVERED WITH A GEOTEXTILE FABRIC. THIS FABRIC SHALL BE "TENCATE (MIRAF 500X) WOVEN ENGINEERING FABRIC" INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

8. TRASH REMOVAL & SANITATION:

THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL REMOVE ALL TRASH AS CREATED BY THEMSELVES AND THEIR SUBCONTRACTORS. DISPOSED AREA - THE GENERAL CONTRACTOR SHALL ALSO REMOVE ALL TRASH CREATED BY OTHER CONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. NO BURNING OR BURYING OF TRASH IS PERMITTED.
THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A PORTABLE TOILET FOR THE DURATION OF THE CONSTRUCTION PROJECT.

A. THE GENERAL CONTRACTOR SHALL VERIFY THE EQUIPMENT PAD FOUNDATION IS LOCATED CORRECTLY WITH RESPECT TO THE TOWER FOUNDATION. THE CONTRACTOR MUST NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO POURING CONCRETE.

B. TOWER & FOUNDATION DESIGN ARE BY OTHERS FOR TOWER OWNER. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY IN WRITING FROM TOWER OWNER THAT THE TOWER IS STRUCTURALLY SUFFICIENT TO SUPPORT ALL LOADINGS AS OUTLINED IN THESE DOCUMENTS. TOWER AND FOUNDATION DESIGN SHALL BE PERFORMED BY A LICENSED ENGINEER.

C. THE GENERAL CONTRACTOR SHALL VERIFY THE TOP OF FOUNDATION MATCHES THE FAA APPROVAL LETTER.

10. EXCAVATION OF UTILITIES:

A. FIELD VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING IN THE VICINITY OF THE SITE. ALL EXCAVATIONS SHALL BE MADE BY HAND OVER OR UNDER OR IMMEDIATELY ADJACENT TO ANY EXISTING UTILITIES & GROUNDING.

B. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT. CONTACT UNDERGROUND UTILITY PROTECTION SERVICE BEFORE YOU DIG AT 1-800-382-5644 OR 811.

C. EXISTING UTILITIES ARE SHOWN FROM THE SURVEY AND ARE NOT NECESSARILY COMPLETE AND ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE AND DETERMINE IF CONFLICTS EXIST WITH THE NEW IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER (A&E FIRM) IN ORDER TO RESOLVE ANY CONFLICTS.

11. CONTRACTOR'S LICENSE:

THE GENERAL CONTRACTOR, VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) AND ALL OF THEIR SUBCONTRACTORS THAT DO ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED TO PERFORM WORK IN THE LOCATION OF THIS SITE. PROOF OF LICENSES SHALL BE SUPPLIED TO VERIZON WIRELESS PRIOR TO THE COMMENCEMENT OF ANY WORK.

12. SEEDING:

ALL DISTURBED AREAS SHALL BE REPAIRED AND SEEDED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED. SEED DISTURBED AREAS W/4 POUNDS/1000 SQ. FT. - 60% KENTUCKY BLUEGRASS, 18% CREEPING RED FESCUE, 22% ANNUAL RYEGRASS.

13. TRAFFIC CONTROL:

THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCIES.

14. CONSTRUCTION STAKING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING NEEDED TO COMPLETE ALL THE CONSTRUCTION SHOWN HEREON. CONTACT DESIGN ENGINEER TO SCHEDULE CONSTRUCTION STAKING.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, FIELD TILES, CULVERTS, ETC.

16. IN THE EVENT ANY DISCREPANCIES OR ERRORS ARE FOUND ON THESE PLANS OR ANY CONFLICT OR PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) FOR WORK HAVING TO BE REDONE FOR GRADE OR GEOMETRIC DISCREPANCIES IF NOTICE TO THE ENGINEER HAS NOT BEEN PROVIDED. THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS AS NECESSARY TO ACCOMPLISH THE INTENT OF THESE PLANS.

17. ALL SITE WORK AND CONSTRUCTION SHALL CONFORM TO ANY AND ALL APPLICABLE CODES AND VERIZON WIRELESS STANDARDS AND SPECIFICATIONS.

18. ALL ELEVATIONS AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM A SURVEY SUPPLIED TO AGE FIRM BY SURVEYING FIRM. AGE FIRM HAS NOT VERIFIED THIS INFORMATION AND DOES NOT WARRANT ANY INFORMATION SUPPLIED BY OTHERS.

19. THE GENERAL CONTRACTOR SHALL MAINTAIN A COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS TO BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION. AS-BUILT PLANS SUBMITTED TO THE ENGINEER SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, A GROUNDING GRID EQUIPMENT PAD, TOWER FOUNDATION, TOWER PLATFORM ORIENTATION, AND FENCE WITHIN THE LEASE AREA OR PROPERTY AND BE CERTIFIED BY A LICENSED PROFESSIONAL SURVEYOR.

20. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.

21. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL TESTING AGENCIES THAT REQUIRE SITE INSPECTION OR TESTING OF THE WORK AS DIRECTED IN THESE PLANS, GOVERNING AGENCIES AND ALL APPLICABLE CODES.

22. PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ALL CONSTRUCTION DOCUMENTS TO INCLUDE, BUT NOT LIMITED TO, GEOTECHNICAL REPORT, STRUCTURAL ANALYSIS, TOWER MECHANICAL AND ELECTRICAL DRAWINGS, FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.

24. WORK SITE SAFETY:

A. CONSTRUCTION WORK PRESENTS UNIQUE THREATS TO HEALTH AND SAFETY. THE CONTRACTOR AND VERIZON WIRELESS CONTRACTOR (VZW GC) ARE RESPONSIBLE TO EDUCATE THEIR WORK FORCE OF THESE DANGERS AND LIMIT THEIR EXPOSURE TO HAZARDS. THIS EDUCATION SHALL INCLUDE BUT NOT BE LIMITED TO APPLICABLE TRAINING COURSES AND CERTIFICATIONS, PROPER PERSONAL PROTECTIVE EQUIPMENT USAGE, DAILY TALKGATE MEETINGS AND ANY OTHER PREVENTATIVE MEASURES WHICH MAY BE REASONABLY EXPECTED. THE CONTRACTOR, VERIZON WIRELESS CONTRACTOR (VZW GC) AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. ALL CONTRACTORS SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.

B. TOWER WORK PRESENTS ADDITIONAL THREATS TO HEALTH AND SAFETY. ALL TOWER WORKERS WORKING ON A TOWER MUST BE ADEQUATELY TRAINED AND MONITORED TO ENSURE THAT SAFE WORK PRACTICES ARE LEARNED AND FOLLOWED. AS REQUIRED BY OSHA, WHEN WORKING ON EXISTING COMMUNICATION TOWERS, EMPLOYEES MUST BE PROVIDED WITH APPROPRIATE FALL PROTECTION, TRAINED TO USE THIS FALL PROTECTION PROPERLY, AND THE USE OF FALL PROTECTION MUST BE CONSISTENTLY SUPERVISED AND ENFORCED BY THE CONTRACTOR.

C. ALL SAFETY EQUIPMENT SHALL BE INSPECTED ACCORDING TO ALL OSHA AND INDUSTRY SCHEDULED INTERVALS AND ALL INSPECTIONS SHALL BE DOCUMENTED PER APPLICABLE CODES AND STANDARDS.

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SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40466
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:

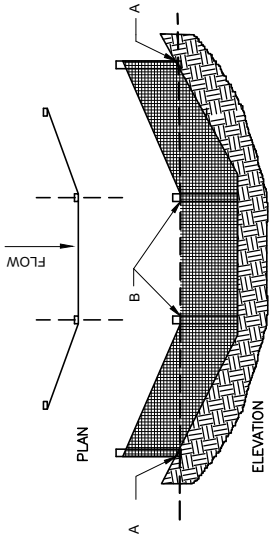
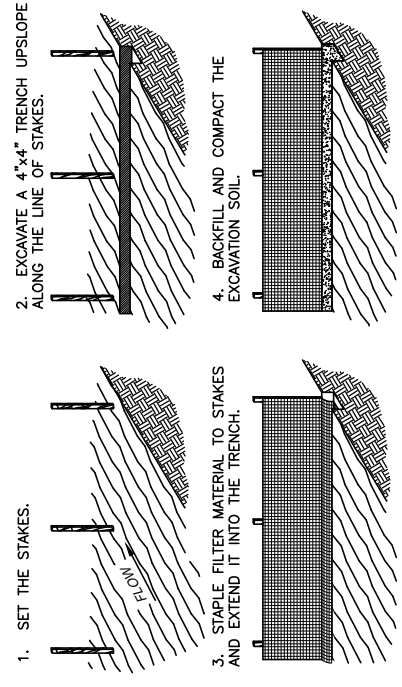
GENERAL SITE CONSTRUCTION NOTES

SHEET NUMBER:

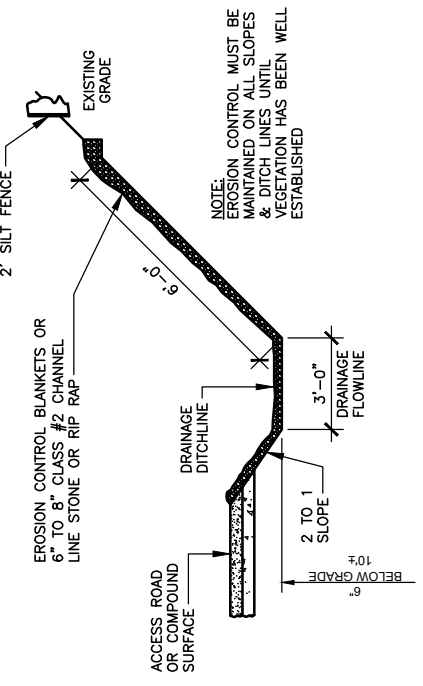
C-6
MK PM & CANOPY REV 3 FINAL 10/16/23

EROSION & SEDIMENT CONTROL NOTES

1. ALL WORK SPECIFIED AS A/AN DOT ITEM SHALL BE GOVERNED BY THE STATE OF INDIANA HANDBOOK OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION APPLICABLE SECTIONS. IT IS CONTRACTORS RESPONSIBILITY TO POSSESS AND BE FAMILIAR WITH THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
2. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
3. PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 7 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.

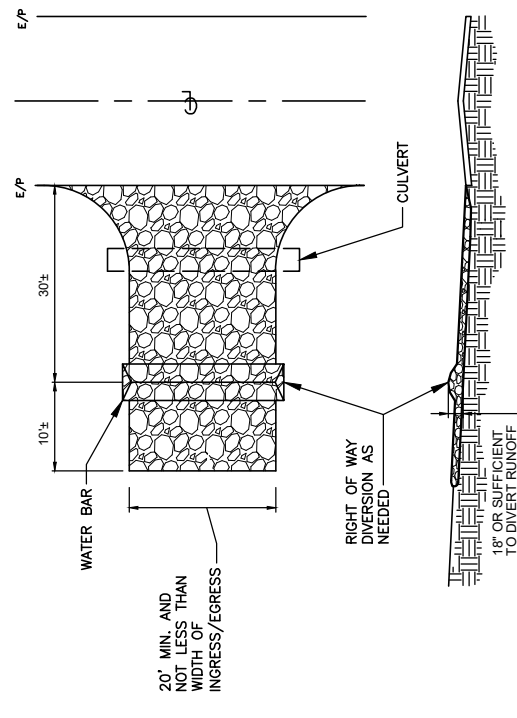


SILT FENCE DETAIL 2
SCALE: N.T.S.



- NOTES:**
1. WHEN FACED WITH SLOPES LESS THAN 2 TO 1 SLOPES, ALL SLOPES SHOULD BE DOZER TRACKED PRIOR TO SEEDING. ALL SLOPES SHOULD HAVE EROSION CONTROL BLANKETS OR RIP RAP EMBEDDED ON SLOPE SURFACES TO REDUCE EROSION.
 2. ALL FLOWLINES MUST BE INSTALLED BELOW SUB-GRADE OF COMPOUND. (AT MINIMUM OF 6" BELOW)

DRAINAGE DITCHLINE DETAIL (SWALE)
SCALE: N.T.S.



- NOTES:**
1. STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
 2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
 3. PAVEMENT THICKNESS - STONE LAYER SHALL BE AT LEAST 6" THICK.
 4. DRIVEWAY WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
 5. BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LBS. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LBS.
 6. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
 7. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
 8. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND, MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
 9. CONSTRUCTIONS ENTRANCES SHALL NOT BE RELIED UPON TO PREVENT MUD AND MATERIAL FROM ENTERING THE SITE TRACKING VEHICLES, TRAILERS, AND TRAILERS. THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.



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SITE NUMBER:
721772

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LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
BEST MANAGEMENT PRACTICES & EROSION CONTROL DETAILS AND NOTES

SHEET NUMBER:
C-7



TAG TOWERS, LLC
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SHEET TITLE:

FENCE DETAILS AND NOTES

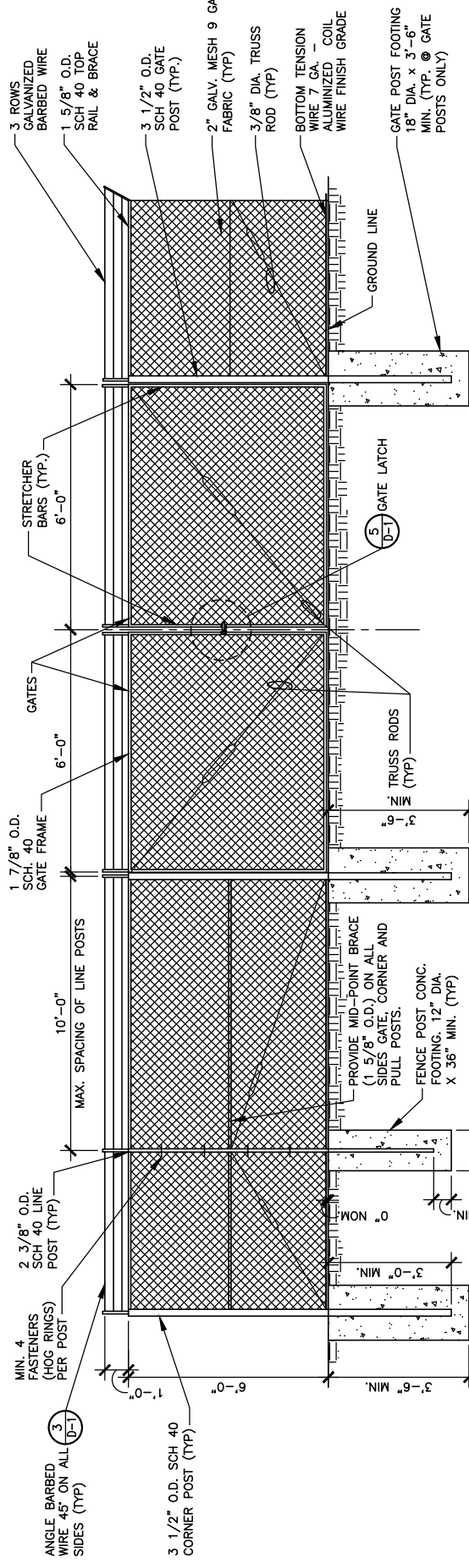
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D-1

WK PWD & CANOPY REV 3 FINAL 10/16/23

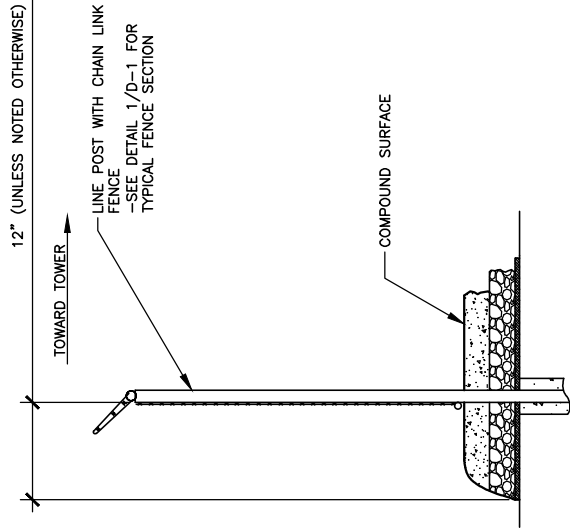
CHAIN LINK FENCING NOTES

- ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF 2 OZ. PER SQUARE FOOT, 9 GAUGE WIRE (MIN. BREAKING STRENGTH OF 1,290 LBS) WITH 2" MESH. ALL BARBED WIRE SHALL BE ALUMINUM OR COATED PER NOTE #4.
- BOTTOM EDGE OF FENCE FABRIC SHALL EXTEND TO FINISHED GRADE.
- SITE FENCE SHALL BE 6'-0" FABRIC W/ 3 STRAND BARBED WIRE FOR TOTAL HEIGHT OF 7'-0".
- BARBED WIRE SHALL MEET ASTM A 121, CLASS 3 GALV. OR ASTM A 585, TYPE 1, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND SHALL BE THREE STRAND 12.5 GAUGE W/4 POINT BARS AT 5" O/C.
- BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROSTLINE (SEE LOCAL CODE). WHERE SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, INCREASE CONCRETE SURROUNDING FENCE POST FOUNDATION DIAMETERS BY 6". PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI (MIN.)
- PROVIDE A DIAGONAL BRACE ROD AND TURN BUCKLE ON BOTH GATE LEAFS.
- ALL RAILS AND BRACES SHALL BE SCHEDULE 40 STEEL PIPE, AND ALL FENCE POSTS SHALL BE SCHEDULE 40 STEEL PIPE, AND BE 2 OZ. GALVANIZED COATED.
- CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
- ALL FENCE SHALL BE FABRICATED AND INSTALLED PER ASTM F2611-15, ASTM F567-14g AND CHAIN LINK FENCE MANUFACTURERS INSTITUTE CLFMI-PM 2445.
- CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) MASTER LOCK LONG SHANK #175LH COMBINATION PADLOCK. COMBINATION TO BE SET AT 7011.

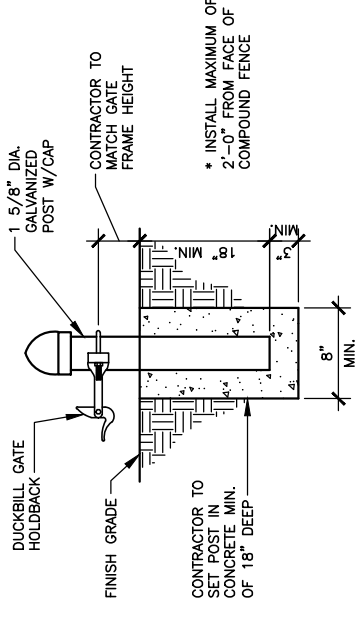


1
CHAIN LINK FENCE & POST DETAIL
SCALE: N.T.S.

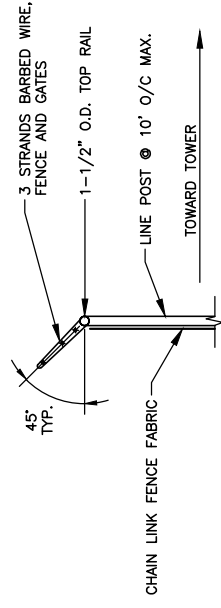
12" (UNLESS NOTED OTHERWISE)



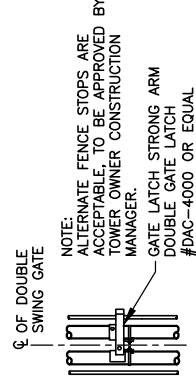
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SITE AREA SURFACING
SCALE: N.T.S.



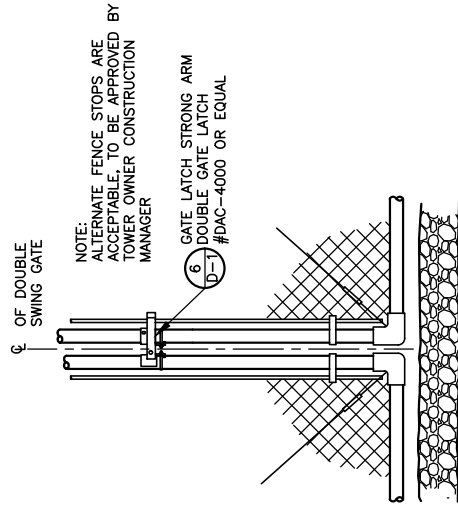
4
GATE KEEPER DETAIL
SCALE: N.T.S.



3
TYPICAL BARBED WIRE DETAIL
SCALE: N.T.S.



6
GATE LATCH DETAIL
SCALE: N.T.S.



5
GATE LATCH DETAIL
SCALE: N.T.S.



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321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

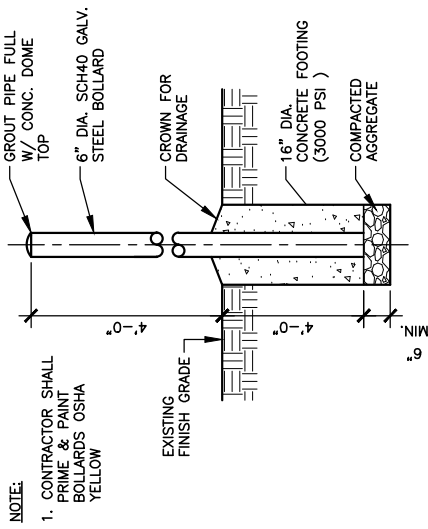
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16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
D-2

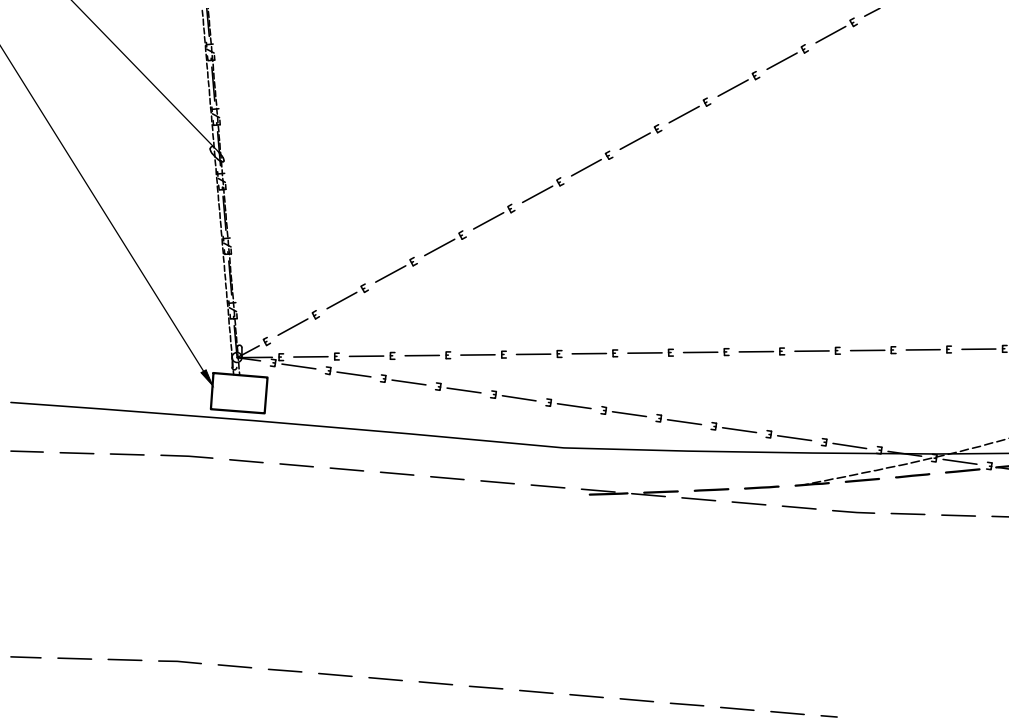
WK. PLO. & CANOPY REV. 3 FINAL 10/16/23



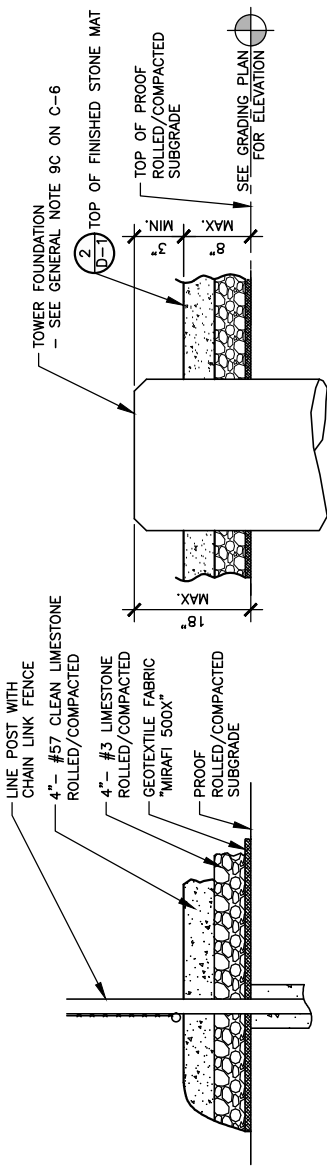
NOTE:
1. CONTRACTOR SHALL PRIME & PAINT BOLLARDS OSHA YELLOW

4
D-2
BOLLARD DETAIL
SCALE: N.T.S.

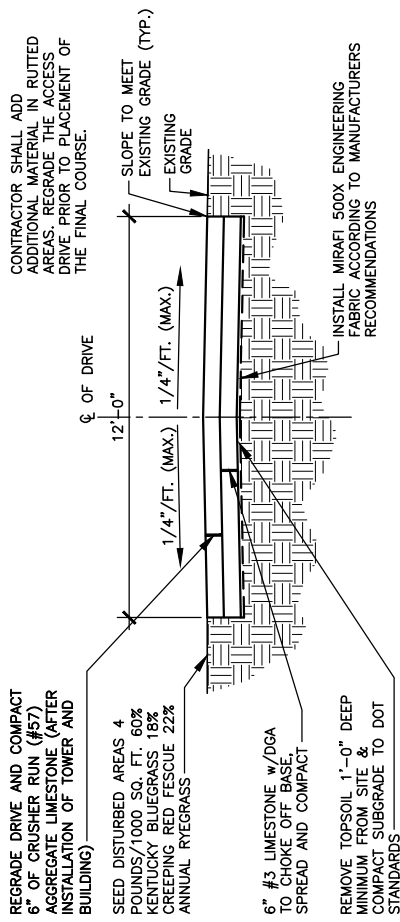
24"x36" VEHICLE RATED VERIZON WIRELESS ONLY FIBER SERVICE HAND HOLE
4" SIDR-11.5 "VERIZON ONLY" HDPE CONDUIT WITH INTEGRATED INNERDUCT (E-1062 L.F.)
- SEE GENERAL NOTE 6 & 10 ON SHEET C-6



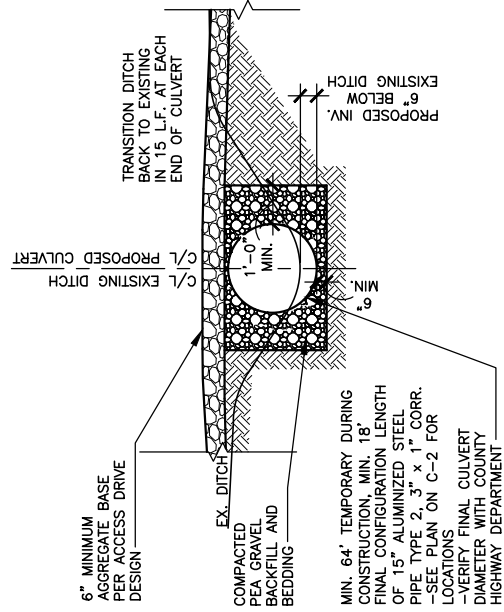
5
D-2
ENLARGED FIBER HAND HOLE PLAN AT R.O.W.
SCALE: 3/32" = 1'-0"



1
D-2
PARTIAL COMPOUND SECTION
SCALE: N.T.S.



2
D-2
ACCESS DRIVE TYPICAL SECTION
SCALE: N.T.S.



3
D-2
CULVERT DETAIL
SCALE: N.T.S.

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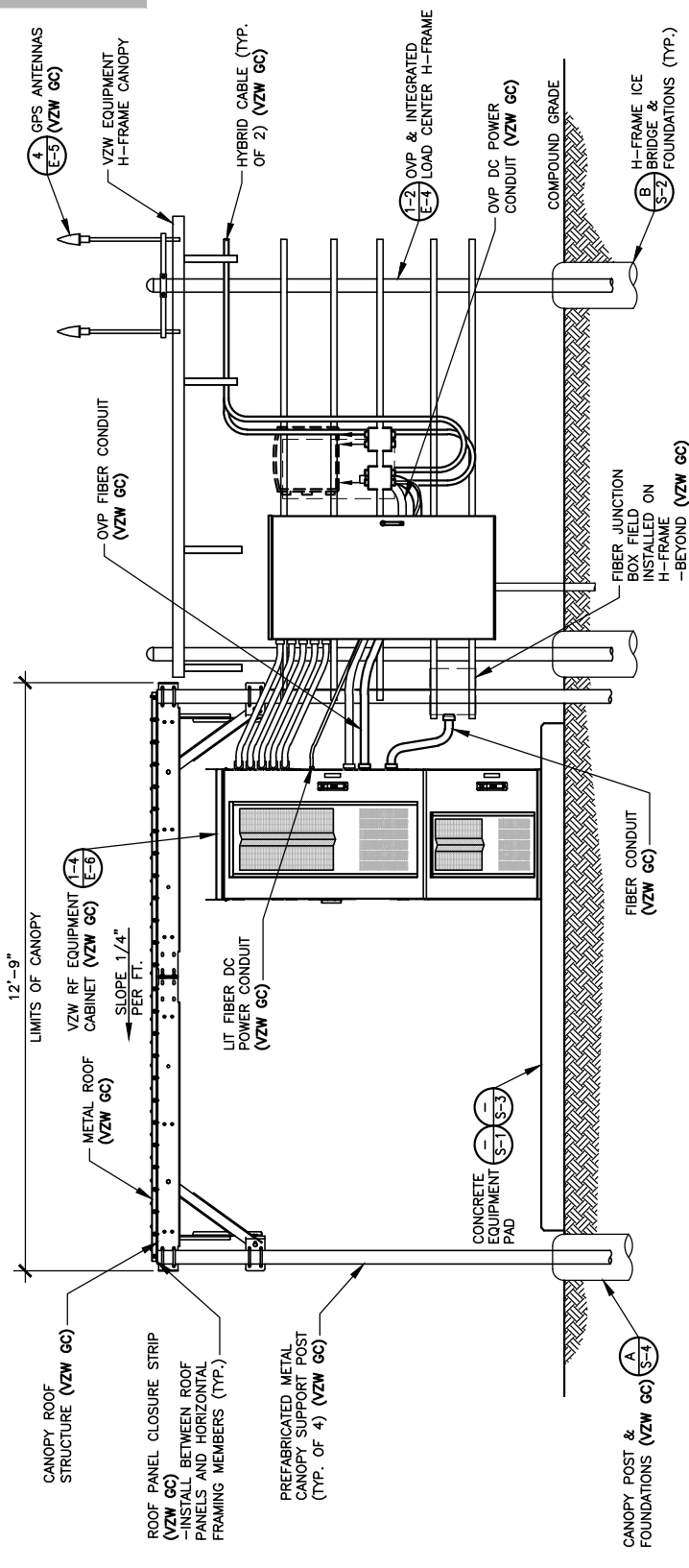
SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER: 721772
SITE NAME: LV MT VERNON EAST
PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
EQUIPMENT PAD & CANOPY ELEVATIONS

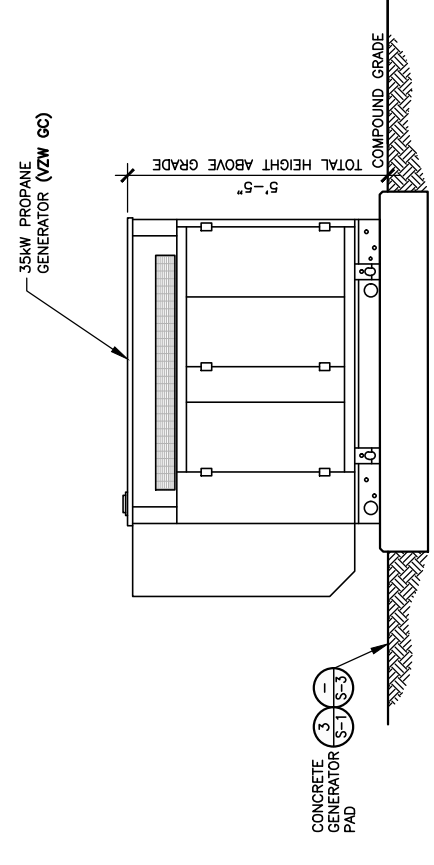
SHEET NUMBER:
D-3
 MK PAD & CANOPY REV. 3 FINAL 10/16/23

NOTE:
 CANOPY ROOF PANELS PROFILE R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL CLOSURE STRIP TO MATCH PROFILE. AS MANUFACTURED BY: SEALITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)

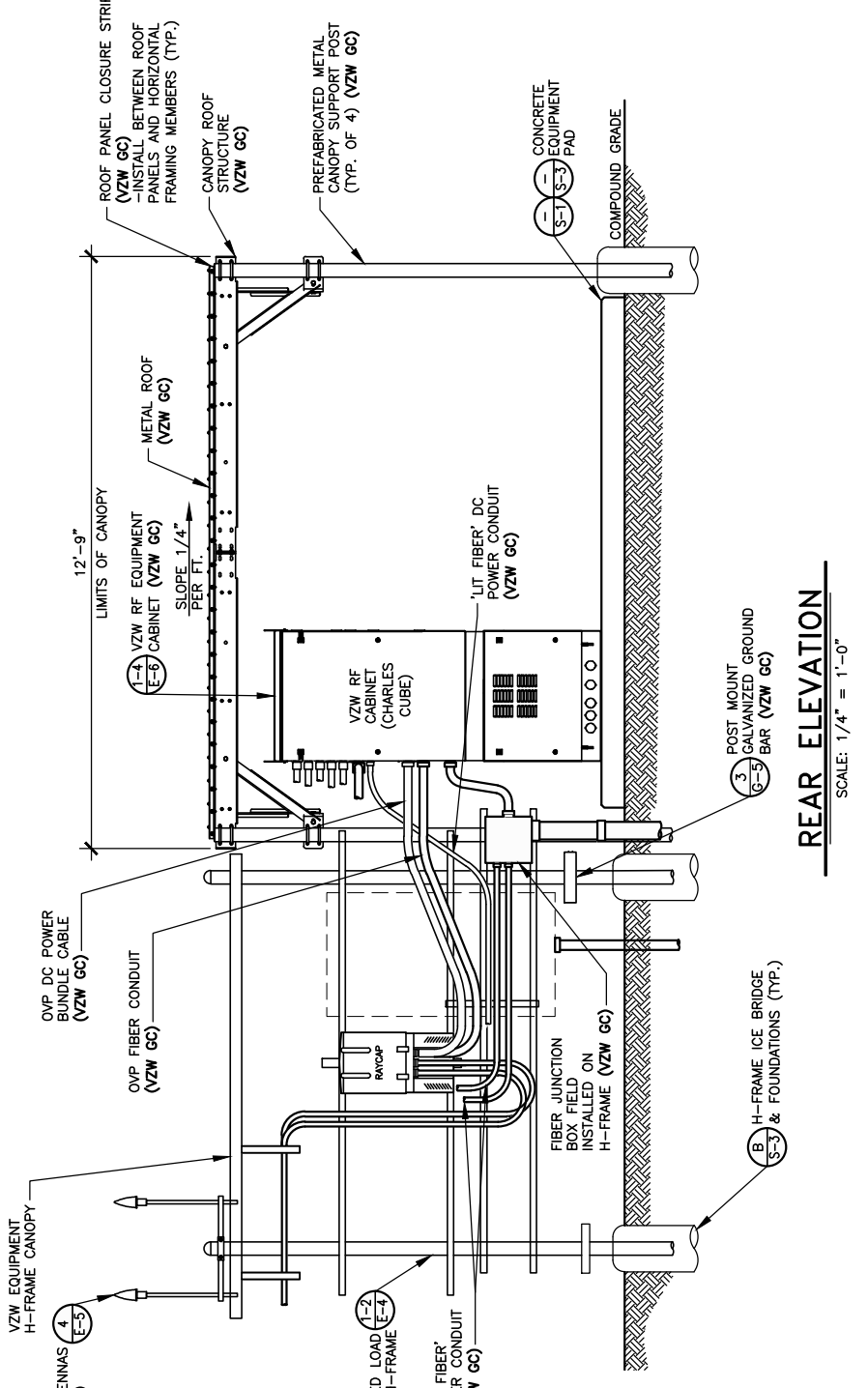


FRONT ELEVATION
 SCALE: 1/4" = 1'-0"

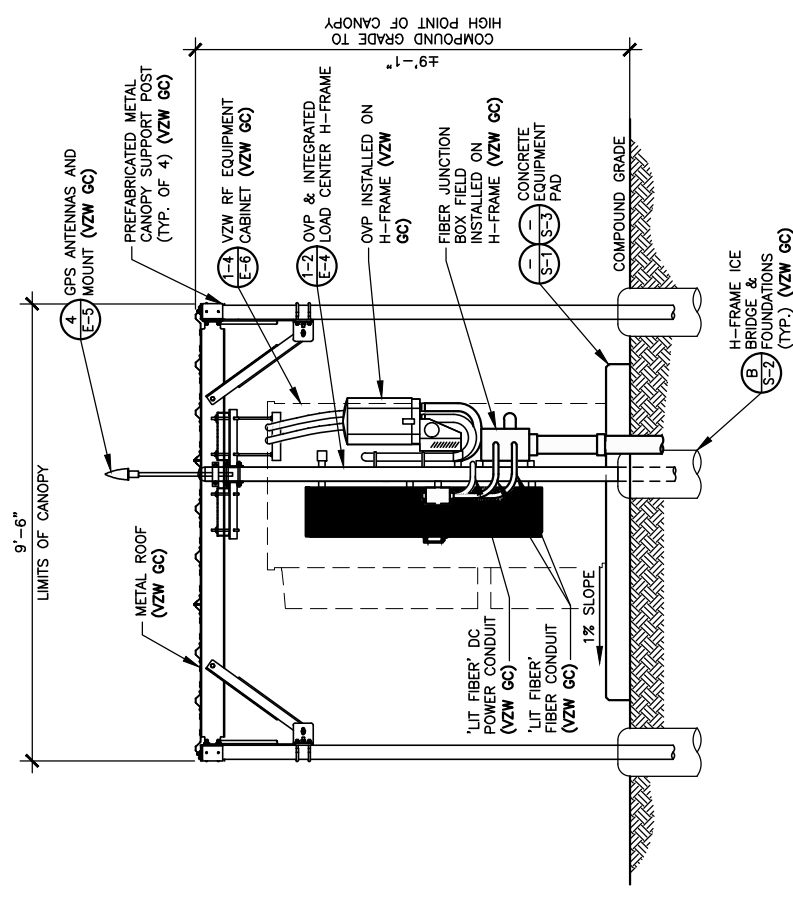
NOTE:
 VERIZON WIRELESS 9'-6"x12'-9" RADIO EQUIPMENT CANOPY (CANOPY DWGS. SUPPLIED BY MANUFACTURER) (VZW GC) -COMMSCOPE P/N EQ-P0182-RC-B



GENERATOR ELEVATION
 SCALE: 1/4" = 1'-0"



REAR ELEVATION
 SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
 SCALE: 1/4" = 1'-0"

STANDARD SITE SIGNAGE:

REQUIRED SIGNS:	LOCATIONS:
(C1) • N.O.C. "IN CASE OF EMERGENCY"	FRONT ACCESS DOOR OF CABINET (SEE FIGURE 1)
(C2) • NOTICE (CONTACT INFO)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
(C3) • COMBINATION WARNING (SEE NOTE 2)	INSIDE FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES
(C4) • COMBINATION WARNING (SEE NOTE 2)	
(C5) • S.D.S.	

-N.O.C. STANDS FOR "NETWORK OPERATIONS CENTER"
 -S.D.S. STANDS FOR "SAFETY DATA SHEET"

NOTES:

- CONTRACTOR SHALL INSTALL ALL SIGNS ON THE FRONT OF EACH CABINET. ALL SIGNS CAN BE PLACED ON ONLY THE UPPER DOOR, IF SPACE IS AVAILABLE.
- CONTRACTOR SHALL INSTALL SIGN C3 OR C4 BASED ON THE TYPE OF BATTERY THAT IS BEING INSTALLED.

(C1)

(C2)

(C5)

(C3)

(C4)



FRONT

REAR

FIGURE 1 - EQUIPMENT CABINET SIGNAGE



FIGURE 5 - EME SIGN



FIGURE 3 - TOWER A.S.R. SIGN



FIGURE 4 - FENCE COMPOUND A.S.R. SIGN



FIGURE 6 - DRIVEWAY A.S.R. SIGN

PROPER GENERATOR

REQUIRED SIGNS:	LOCATIONS:
(P1) • "DANGER PROPANE"	INSTALL ON PROPANE TANK (SEE FIGURE 7)
(P2) • HAZARD DIAMOND	
(P3) • NOTICE SIGN	INSTALL ON GENERATOR

(P1)

(P2)

(P3)

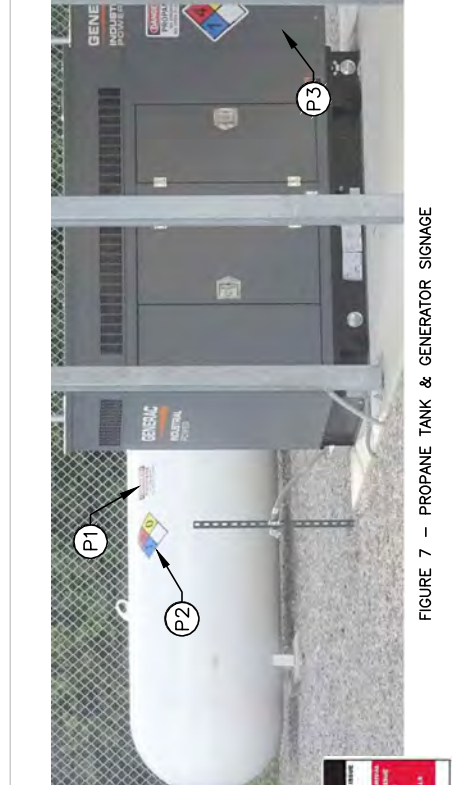


FIGURE 7 - PROPANE TANK & GENERATOR SIGNAGE

E.M.E. SIGNAGE NOTES:

VZW GC SHALL VERIFY WITH THE VERIZON CONSTRUCTION MANAGER IF ANY E.M.E. SIGNAGE (SEE FIGURE 9) IF REQUIRED. ANY REQUIRED E.M.E. SIGNAGE WILL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC PRE-E.M.E. REPORT AND MOUNT AS APPROPRIATE FOR THE SIGN LOCATION.

(N1)

(N2)

(E1)

(E2)

(E3)

(E4)

FIGURE 9 - TYPICAL E.M.E. SIGNAGE



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 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
 721772

SITE NAME:
 LV MT VERNON EAST

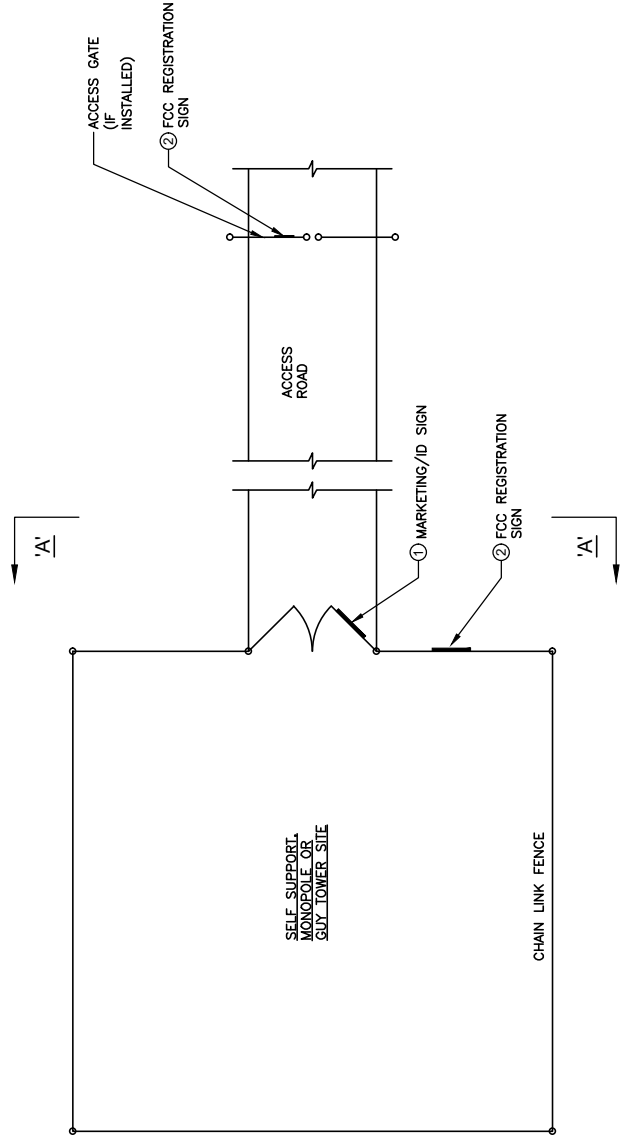
PID NUMBER: 16913443
 DRAWN BY: RC
 CHECKED BY: PL
 DATE: 10.25.23

SHEET TITLE:
VERIZON WIRELESS SIGNAGE (REFERENCE ONLY)

SHEET NUMBER:
D-4
 MK PM & CANOPY REV 3 FINAL 10/16/23

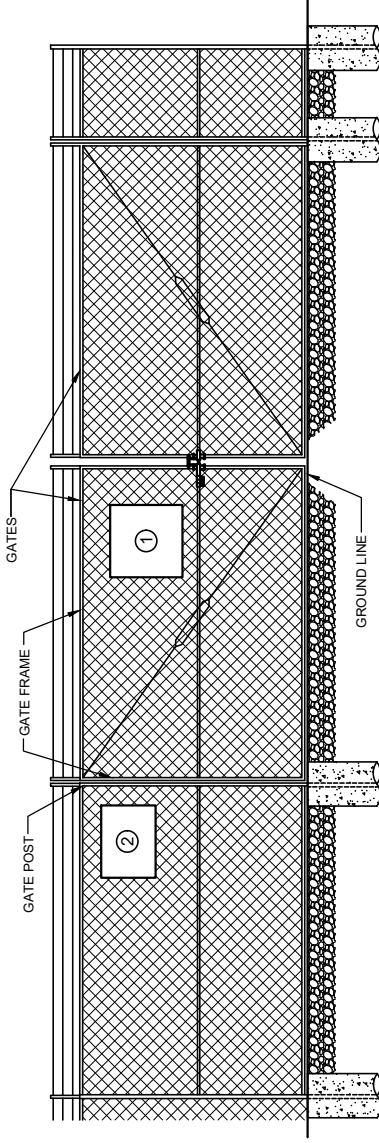
NOTES:

VERIZON WIRELESS SITE ID SIGN, REF SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONNEL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.



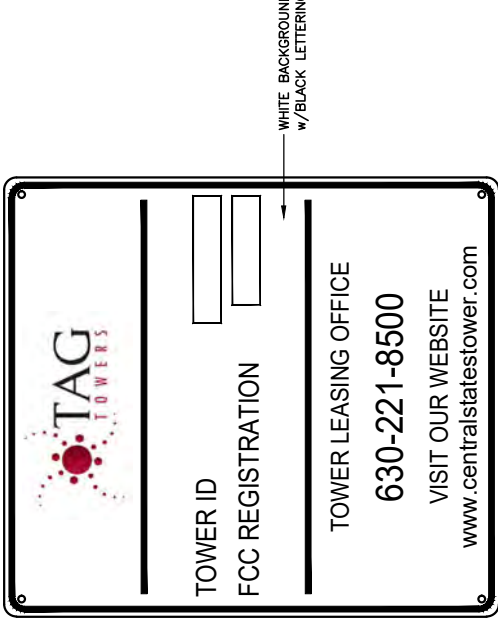
TYPICAL SITE FENCE SIGNAGE PLAN

SCALE: N. T. S.

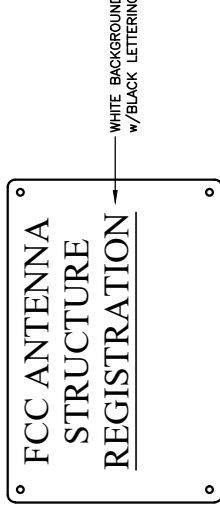


ELEVATION "A-A"

SCALE: N. T. S.



MARKETING/ID SIGN
24" WIDE x 24" HIGH



FCC REGISTRATION SIGN
24" WIDE x 18" HIGH



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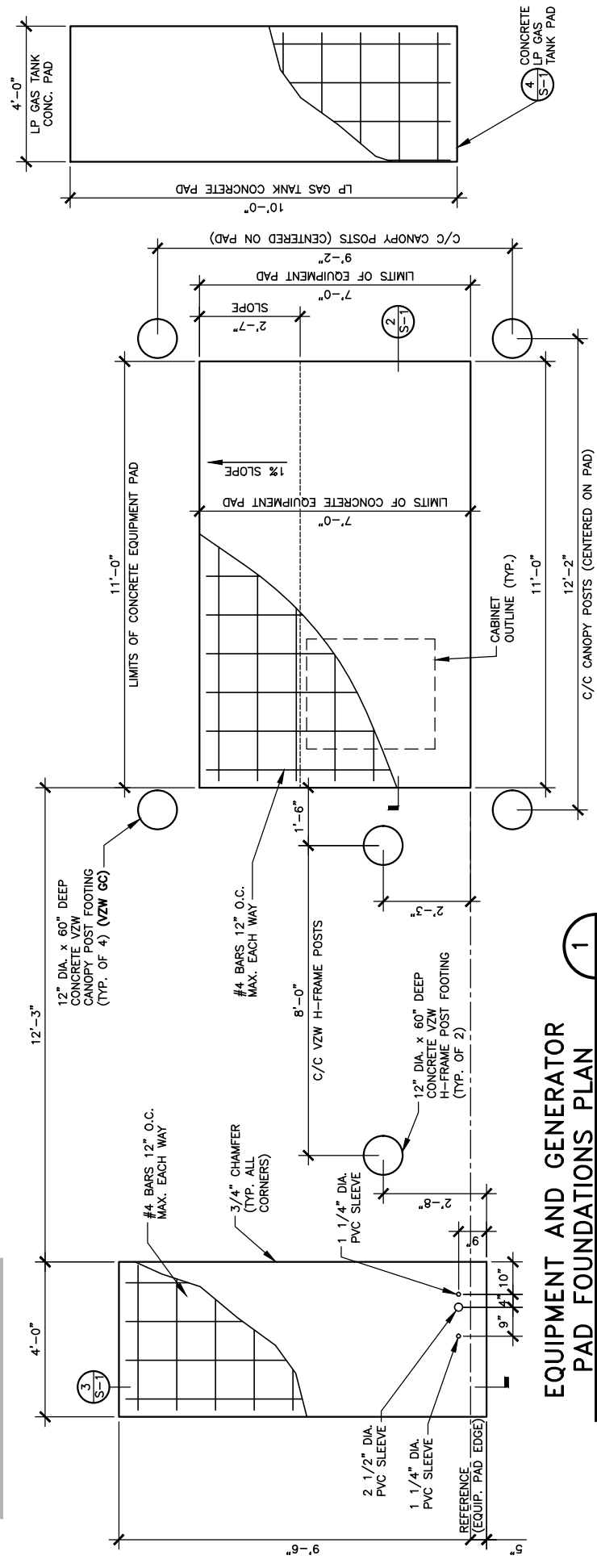
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
TOWER OWNER SITE FENCE SIGNAGE (REFERENCE ONLY)

SHEET NUMBER:

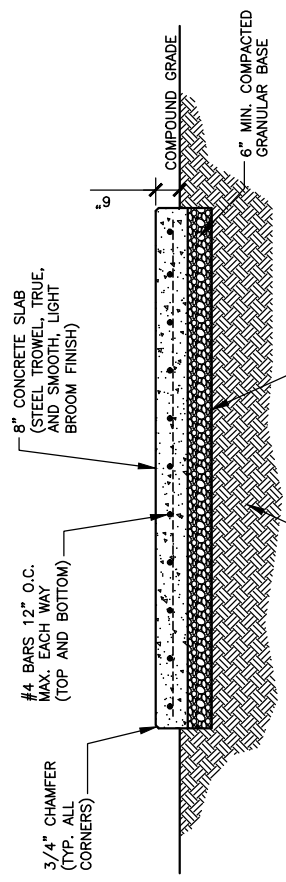
D-5

NOTE:
ALL GENERATOR CONDUITS SHALL BE INSTALLED AND CAPPED WEATHERTIGHT FOR FUTURE GENERATOR INSTALLATION IF REQUIRED



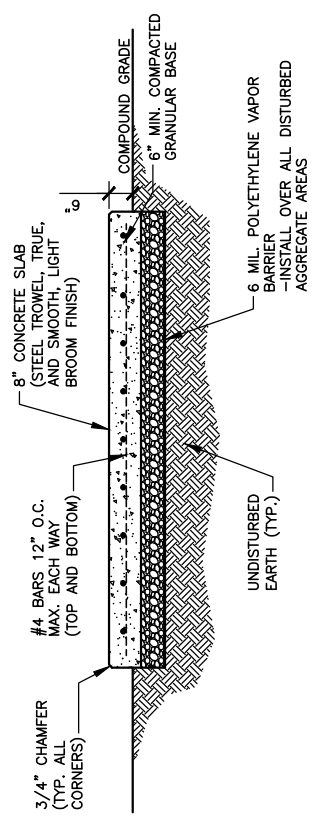
EQUIPMENT AND GENERATOR PAD FOUNDATIONS PLAN
SCALE: 1/4" = 1'-0"

1
S-1



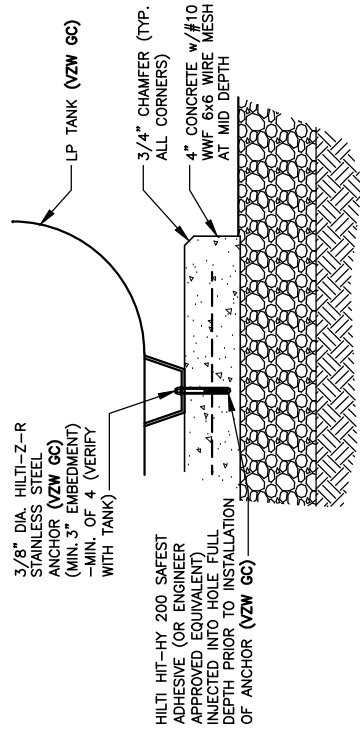
EQUIPMENT PAD FOUNDATION SECTION
SCALE: 1/4" = 1'-0"

2
S-1



GENERATOR PAD FOUNDATION SECTION
SCALE: 1/4" = 1'-0"

3
S-1



LP TANK PAD DETAIL
SCALE: N.T.S.

4
S-1

STRUCTURAL NOTES

- CANOPY SYSTEM DESIGN LOADINGS:**
ROOF SNOW LOAD 70 PSF
DEAD LOADS ACTUAL MATERIAL WEIGHTS
BASIC WIND SPEED 120 MPH
- DESIGN CODES**
INTERNATIONAL BUILDING CODE (IBC) 2015
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE7-10
OSHA REGULATIONS
- STRUCTURAL STEEL:**
PIPE - ASTM A53 TYPE E OR S GRADE B, OR ASTM A501.
STRUCTURE FINISH - AFTER FABRICATION ACCORDING TO ASTM A123.
- BUILDING FOUNDATION SYSTEM:**
THE SUBSURFACE REPORT WAS PROVIDED BY XYZ ENGINEERING, INC., DATED MONTH DAY, YEAR.
ALLOWABLE BEARING CAPACITY BLDG. FOOTINGS **** PSF

ALL CONTRACTORS SHALL EXERCISE GREAT CARE DURING EXCAVATION. ALL CONTRACTORS SHALL DETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.
THE SUBSURFACE REPORT IS NOT TO BE CONSIDERED AS A COMPLETE RECORD OF THE EXISTING CONDITIONS AT THE SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SURFACE CONDITIONS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO SITE ENTRY FOR THE PURPOSE OF CONDUCTING SOIL TESTING AND VERIFICATION OF EXISTING CONDITIONS.
FOUNDATION SUBGRADES SHALL BE HAND TRIMMED AND COMPACTED. ALL BACKFILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

CONCRETE WORK:
CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED BY A QUALIFIED CONCRETE TESTING COMPANY. THE GENERAL CONTRACTOR SHALL PROVIDE ONE (1) CYLINDER SAMPLE TAKEN PER TRUCK OR FOUR (4) TOTAL FOR BUILDING FOUNDATION AND THE CONCRETE MUST MEET A 4" SLUMP. THE GENERAL CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF TESTING RESULTS TO VERIZON WIRELESS AND TOWER OWNER CONSTRUCTION MANAGERS. FAILURE TO PROVIDE WRITTEN DOCUMENTATION WILL RESULT IN A DEDUCTION FROM THE CONTRACT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ADDITIONAL COSTS IN TESTING DUE TO DELAYS BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS. USE AIR ENTRAINMENT IN EXTERIOR SLABS.

SPECIFICATIONS
- LATEST EDITION OF ACI-318 AS ADOPTED BY THE STATE OF KENTUCKY
- BLDG. FOUNDATION F_c = 4000 PSI @ 28 DAYS

MATERIALS
- REINFORCING ASTM A615, GRADE 60
- ANCHOR BOLTS ASTM F1554 A36

REINFORCING COVERS
- FOOTINGS 2"
- BOTTOM/SIDES 3"

REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4000 PSI CONCRETE
BAR SIZE ANCHORAGE SPLICE (OTHER) ANCHORAGE (TOP) SPLICE (TOP)
#4 12" 25" 33"

CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")

- BURIED CABLE LOCATIONS INFORMATION**
CONTACT KENTUCKY 811 48 HR. PRIOR TO DIGGING, GRADING, OR DRILLING 1-800-752-6007 OR 811
- ADDITIONAL CONCRETE NOTES:**
- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI#96, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 305, 306 AND 307 UNLESS NOTED OTHERWISE.
 - ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-11.
 - ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (±1%) AIR ENTRAINMENT.
 - PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.



Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UTILITY LOCATIONS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
EQUIPMENT PAD FOUNDATION PLAN, DETAILS AND STRUCTURAL NOTES

SHEET NUMBER:
S-1

WK PWD & CANOPY REV. 3 FINAL 10/16/23



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ROCK CASTLE COUNTY

SITE NUMBER:
721772

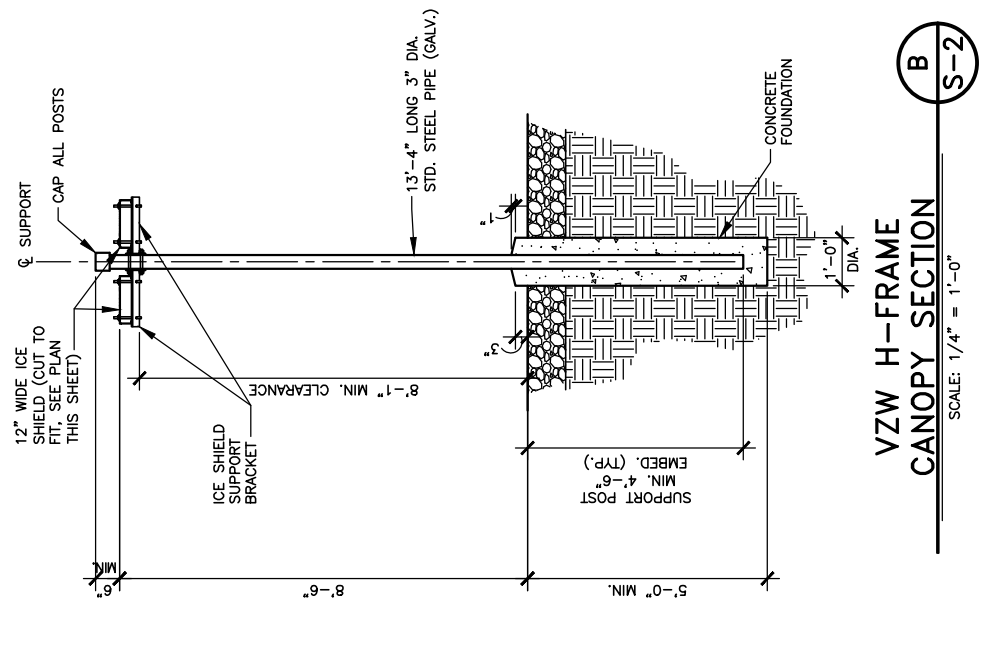
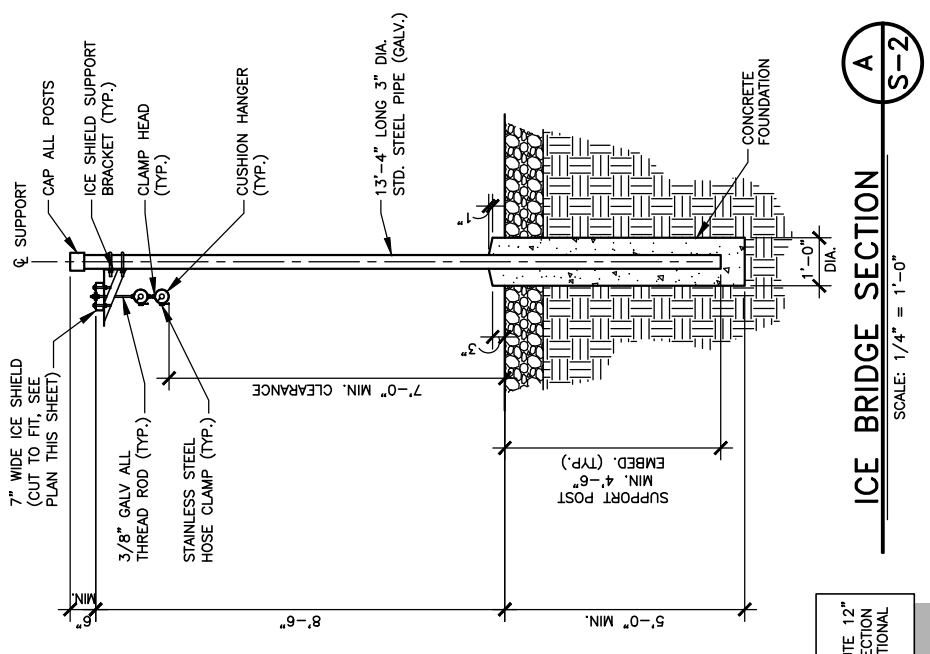
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LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

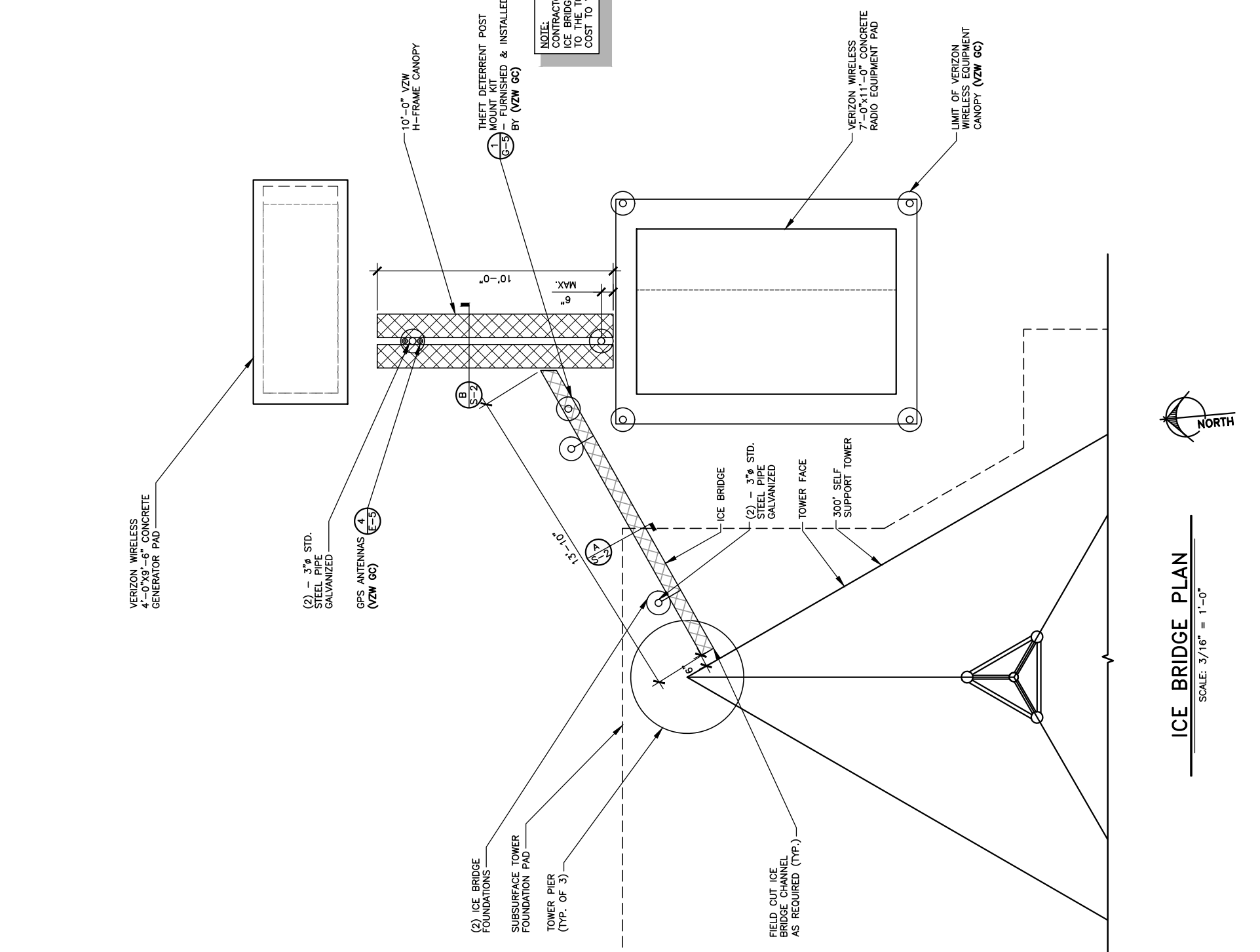
SHEET TITLE:
ICE BRIDGE PLAN AND DETAILS

SHEET NUMBER:
S-2

WK PWD & CANOPY REV 3 FINAL 10/16/23



NOTE:
CONTRACTOR MAY SUBSTITUTE 12\"/>



ICE BRIDGE PLAN
SCALE: 3/16" = 1'-0"



Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO ALLOW ANYONE TO DIG UNDERGROUND LOCATIONS WITHOUT CALLING 811 WORKING DAYS BEFORE COMMENCING WORK.



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321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

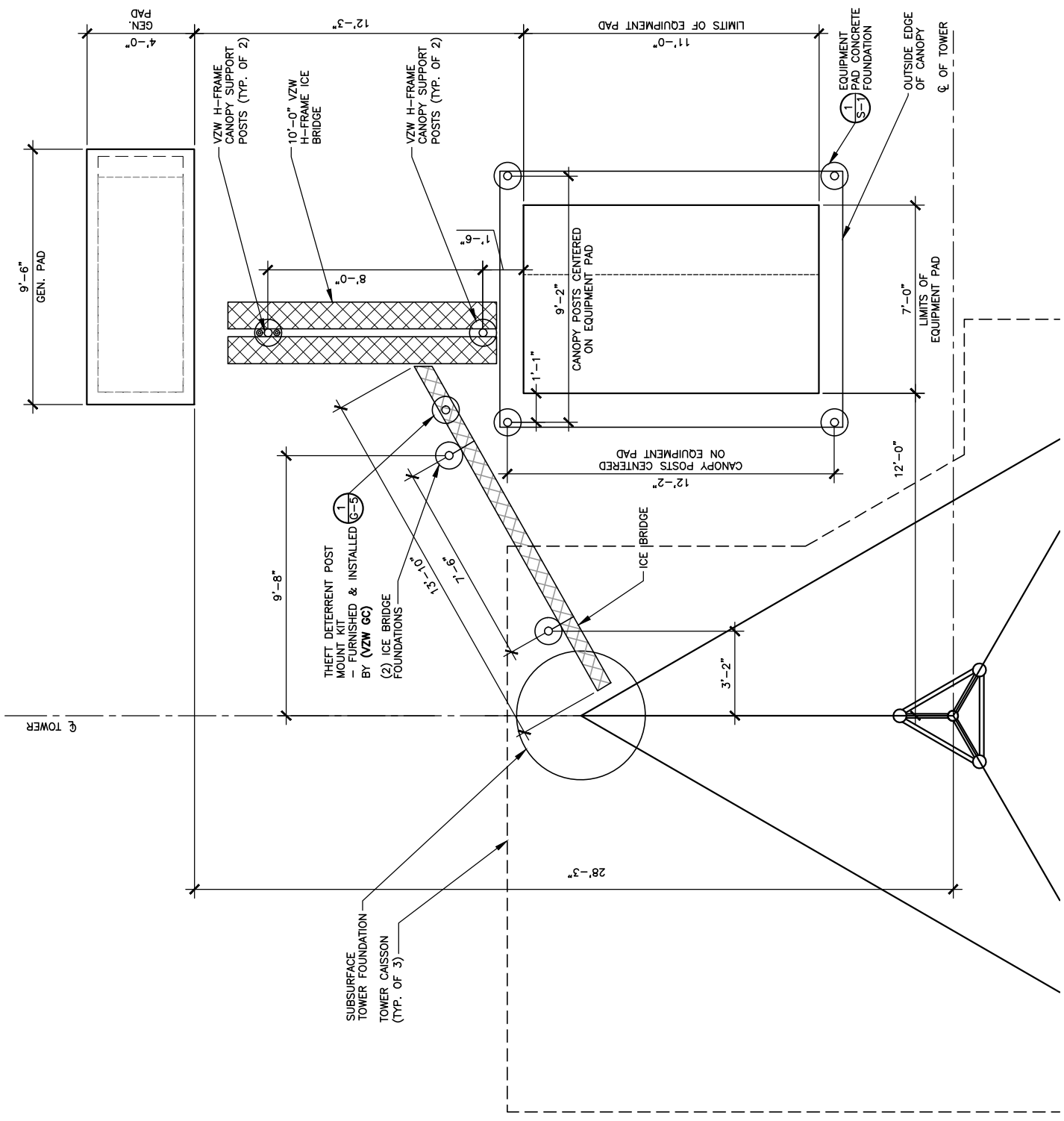
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721772

SITE NAME:
LV MT VERNON EAST

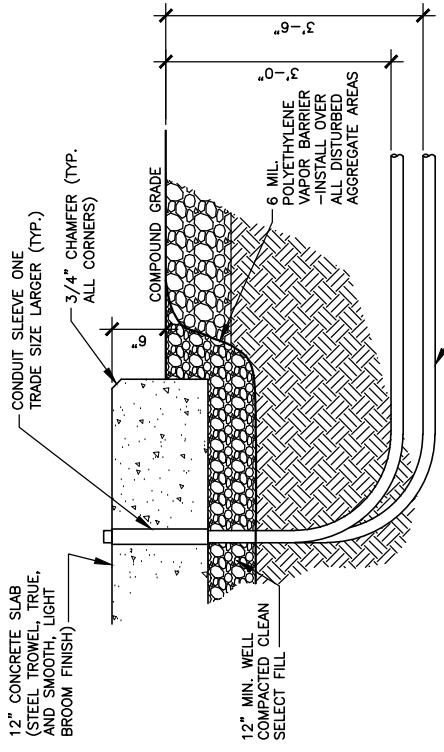
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DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
FOUNDATION PLAN AND DETAILS

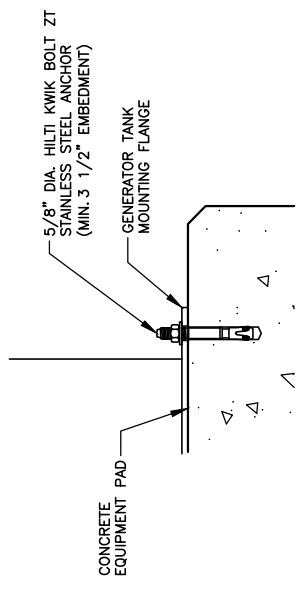
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S-3
WK PAD & CANOPY REV. 3 FINAL 10/19/23



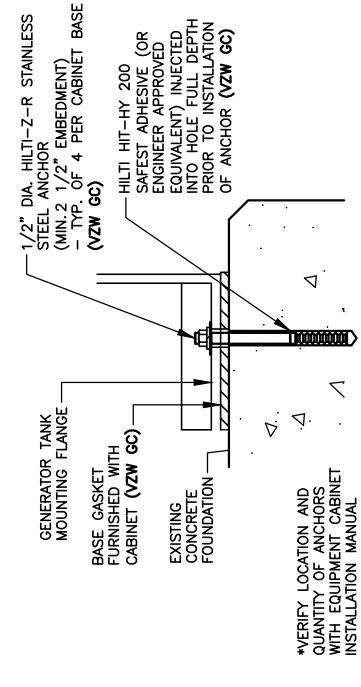
FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



CONDUIT PENETRATION DETAIL
SCALE: N.T.S.



GENERATOR ANCHOR DETAIL
SCALE: N. T. S. (VZW GC)



EQUIPMENT CABINET MOUNTING DETAIL
SCALE: N. T. S.



Know what's below. Call before you dig.
Call Monday thru Friday - 8am to 6pm
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO CONDUCT ANY UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



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MT VERNON, KY 40456
ROCK CASTLE COUNTY

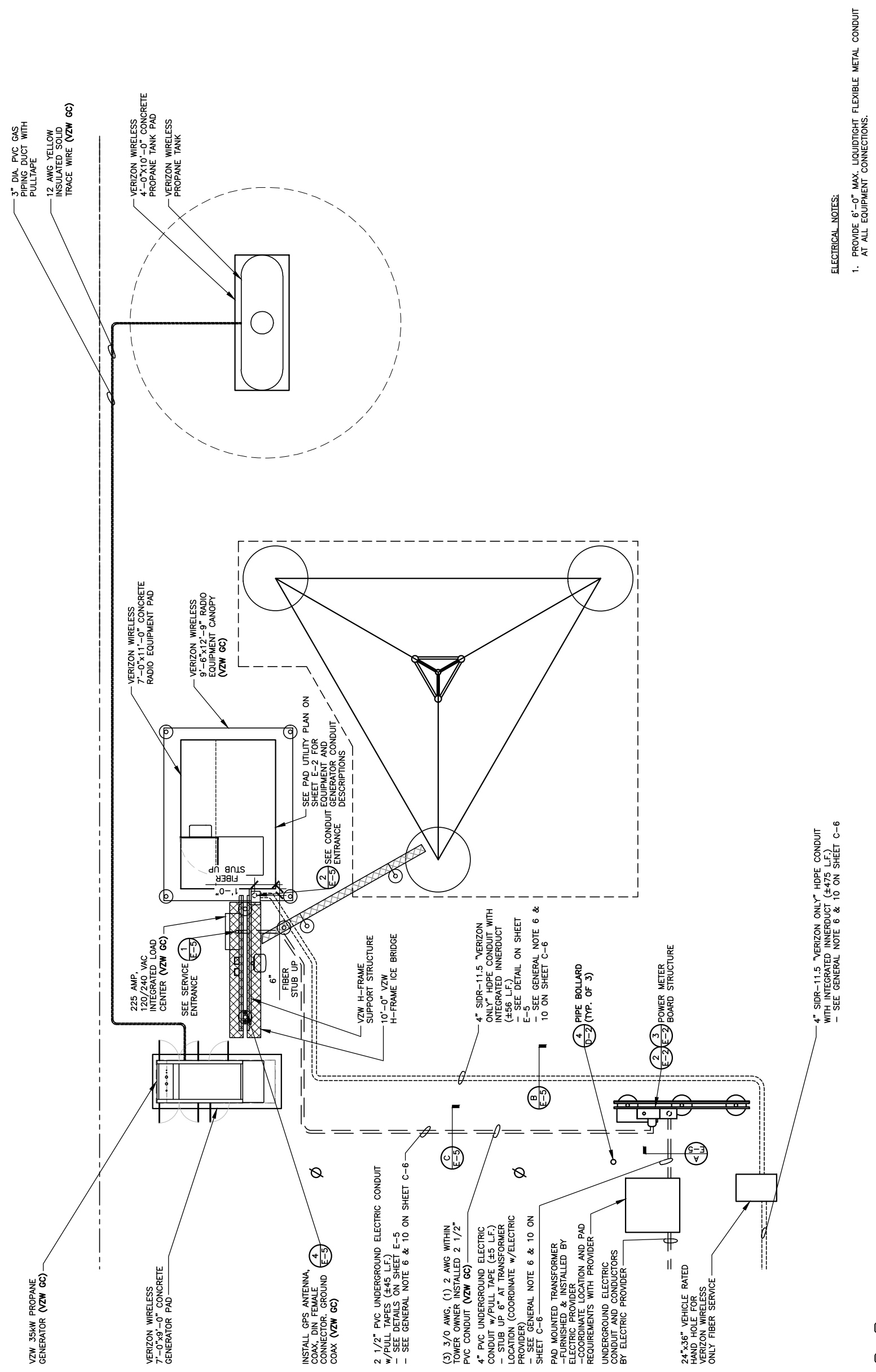
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
SITE UTILITY PLAN

SHEET NUMBER:
E-1
MK PWD & CANOPY REV. 3 FINAL 10/16/23



- ELECTRICAL NOTES:**
1. PROVIDE 6"-0" MAX. LIQUDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT CONNECTIONS.
 2. ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
 3. CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS AND WHEN CROSSING THE COMPOUND GATE OPENING.
 4. ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER IMC WITH WEATHERPROOF FITTINGS.



SITE UTILITY PLAN

SCALE: N.T.S.



Call before you dig.
Know what's below.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO ENGAGE IN ANY UNDERGROUND UTILITY LOCATING SERVICE WORKING DAYS BEFORE COMMENCING WORK.

VERIZON PANEL "A" SCHEDULE			
MAIN: 225/2 VOLTAGE: 120/240		PHASE: 1 WIRE: 3	
DESCRIPTION	BRKR.	WATTS	DESCRIPTION
RECTIFIER #1	30/2	1800	RECTIFIER #2
RECTIFIER #3	30/2	1800	RECTIFIER #4
RECTIFIER #5	30/2	1800	RECTIFIER #6
RECTIFIER #7	30/2	1800	RECTIFIER #8
SPACE		18	SPACE
SPACE		20	SPACE
SPACE		22	SPACE
SPACE		24	SPACE
SPACE		26	SPACE
SPACE		28	SPACE
SPACE		30	SPACE
GFCI RECEPTACLE (RF CABINET)	15/1	180	SPACE
GEN. BLOCK HEATER	20/1	1500	SPACE
CANOPY LIGHTS	15/1	126	SPACE

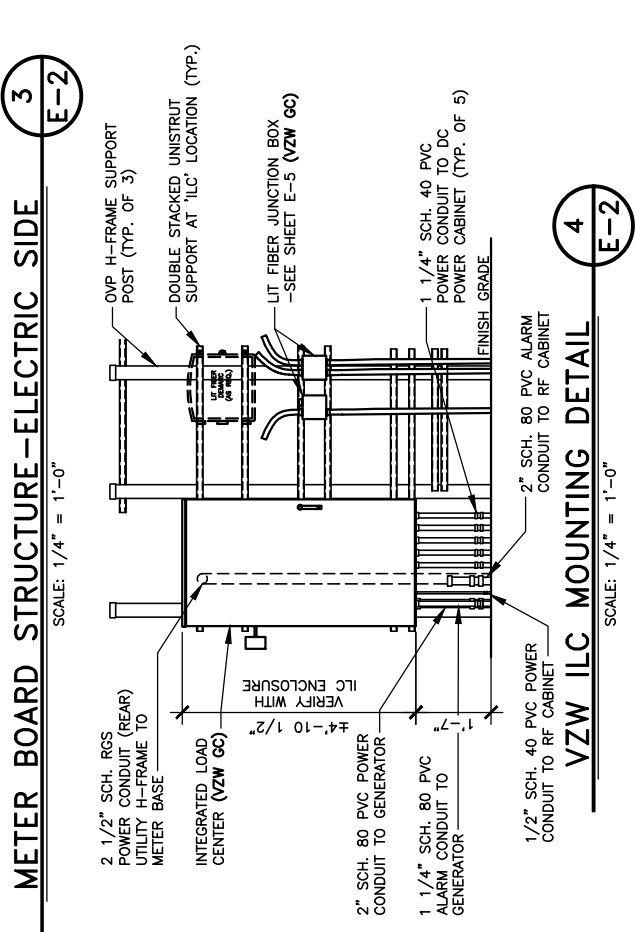
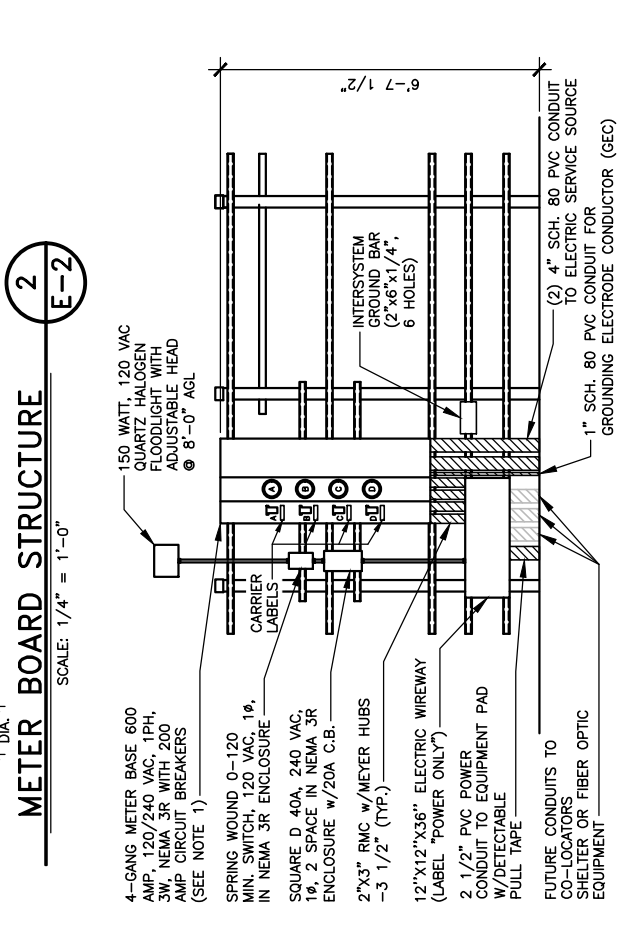
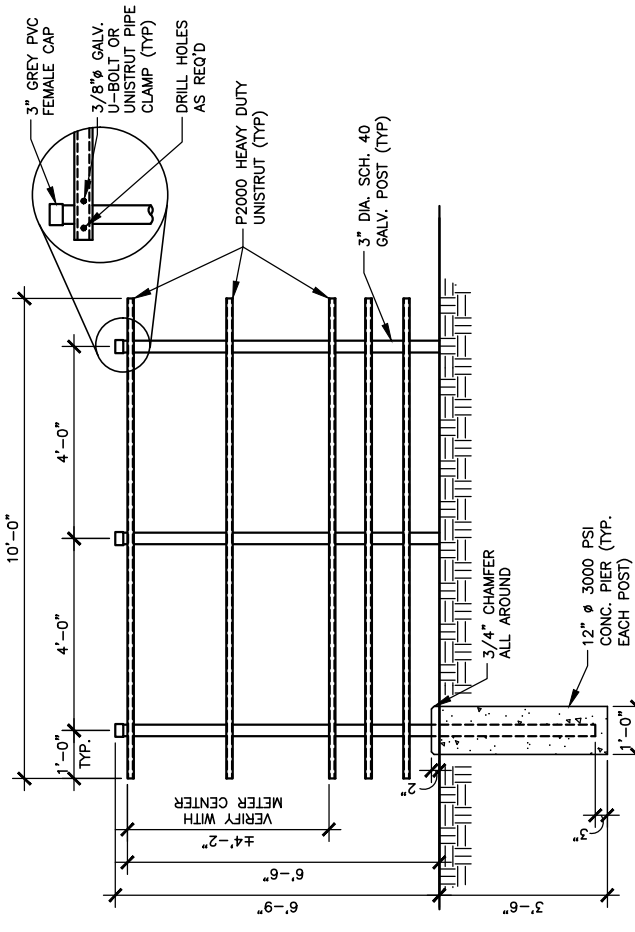
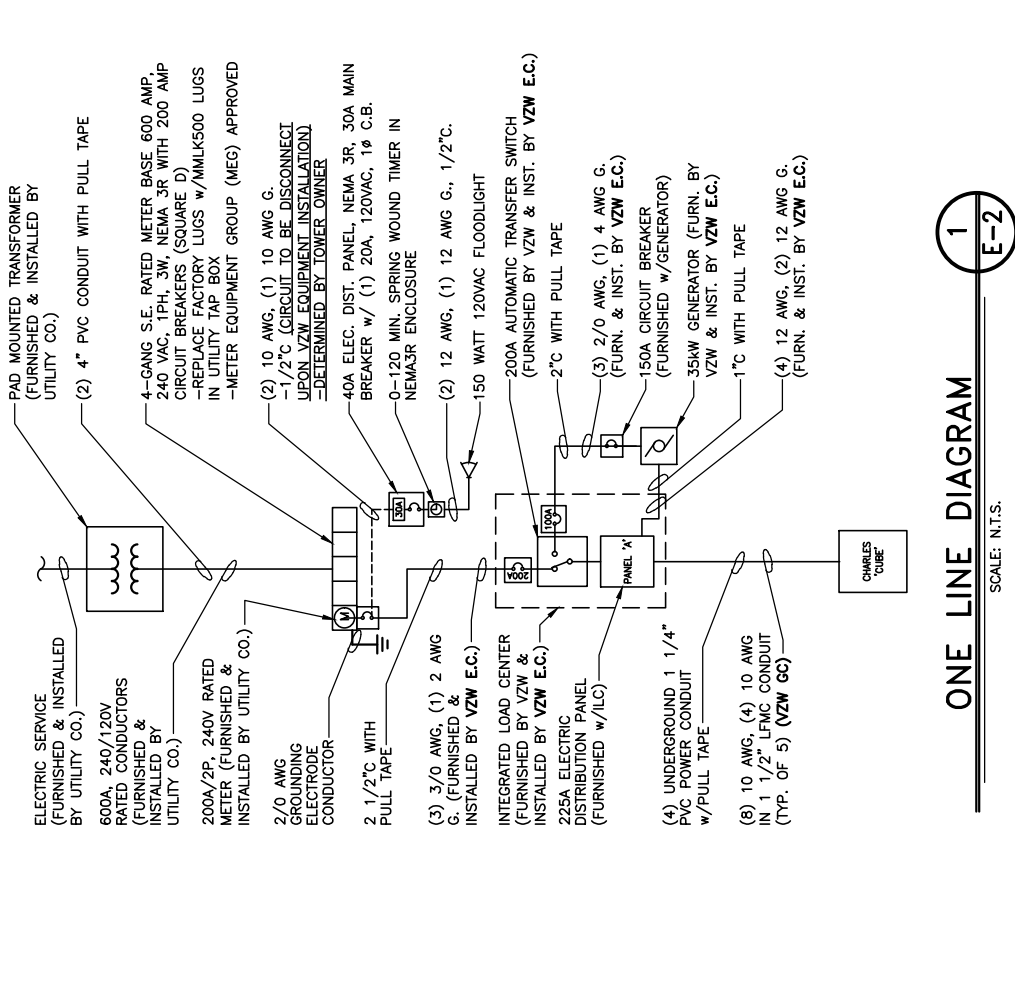
TO AUTOMATIC TRANSFER SWITCH

225A

22K AIC BREAKERS

NON-CONTINUOUS LOAD = 0.00 KW, 00.00 AMPS
 CONTINUOUS LOAD = 31.04 KW X 1.25 = 38.80 KW, 161.67 AMPS
 TOTAL CONNECTED LOAD = 38.80 KW, 161.67 AMPS

(E.C. SHALL VERIFY AIC RATINGS W/LOCAL POWER CO.)



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SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40466
 ROCK CASTLE COUNTY

SITE NUMBER: 721772
SITE NAME: LV MT VERNON EAST
PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
PANEL SCHEDULE, ONE LINE DIAGRAM, ELECTRICAL NOTES AND DETAILS
SHEET NUMBER: E-2

REV. NO. 1
DATE 10/16/23
BY PML
DESCRIPTION REV 3 FINAL

- ### GENERAL ELECTRICAL NOTES
- UNLESS NOTED AS VERIZON WIRELESS GENERAL CONTRACTOR OR VZW GC, ALL WORK ITEMS ON ELECTRICAL "E" & GROUNDING "G" SHEETS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR. ALL WORK SHOWN AS NEW UNLESS NOTED OTHERWISE.
 - THE GENERAL CONTRACTOR AND VERIZON WIRELESS ELECTRICAL CONTRACTORS SHALL BE LICENSED TO PERFORM WORK IN THE COUNTY OF THIS PROJECT AND SHALL BE RESPONSIBLE FOR OBTAINING AN ELECTRICAL PERMIT FROM THE COUNTY.
 - UNDERGROUND CONDUIT SHALL BE SCH. 40 (SCH. 80 UNDER ROADWAY) PVC PLASTIC DUCT WITH ALL BENDS MINIMUM 24" RADIUS 90° SWEEP SCH. 80 UNLESS OTHERWISE NOTED ON DRAWINGS. ELECTRICAL AND FIBER UTILITY LATERAL CONDUITS SHALL BE MINIMUM 36" RADIUS 90° SWEEP SCH. 80. ALL PVC SCH80 PIPING AND FITTINGS SHALL USE BELL END WHERE FEASIBLE.
 - ABOVE GRADE RISER CONDUIT SHALL BE RIGID SCH. 80 PVC WITH MATCHING FITTINGS UNLESS NOTED OTHERWISE.
 - ALL CONDUITS SHALL BE PLACED WITH 200 LB POLYETHYLENE PULL TAPES. PULL TAPES SHALL BE SECURELY FASTENED AT EACH END OF CONDUIT. (THIS SHALL ALSO APPLY FOR ALL FIBER CONDUITS).
 - PRIOR TO TRENCHING AND FOR COORDINATING OF THE FIBER AND ELECTRICAL SERVICES, SEE SHEET C-6 GENERAL NOTE #6 FOR UTILITY CONTACT NAMES & PHONE NUMBERS TO ALSO INCLUDE VERIZON WIRELESS CONSTRUCTION MANAGER.
 - ALL WORK SHALL BE IN ACCORDANCE WITH N.F.P.A. AND N.E.C. CODES, NEMA STANDARDS AND ALL LOCAL CODES.
 - ALL WIRE SHALL BE COPPER, 600V THHN-2/THWN-2 OR XHHW-2 90°C UNLESS NOTED OTHERWISE.
 - ALL ELECTRICAL CONTRACTORS SHALL ABIDE BY ALL GUIDELINES REQUIRED BY TOWER OWNER AND VERIZON WIRELESS, INCLUDING BUT NOT LIMITED TO: a) STAGE CONSTRUCTION AND REPORT WHEN ON AND OFF THE SITE. b) PROVIDE LOG BOOK RECORDS OF PERSONNEL ON TOWER. c) PROVIDE R.F. MONITORING DEVICES TO TOWER PERSONNEL. d) VERIZON WIRELESS TO INSPECT ALL TRENCHING BEFORE BACKFILLING.
 - THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL UNDERGROUND CONDUITS SHOWN ON PLANS UNLESS NOTED OTHERWISE. ALL UNDERGROUND CONDUIT SHALL BE STUBBED-UP AND CAPPED AT THE LOCATION INDICATED ON PLANS. VZW CONTRACTOR SHALL COMPLETE ALL CONDUIT TERMINATIONS TO VZW ENCLOSURES SHOWN ON PLANS AND ELECTRICAL PROVIDER DESIGN.
 - THE VZW ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL SERVICE REQUIRED - 120/240V, SINGLE PHASE, 200 AMP BEFORE ROUGH IN.
 - GENERAL CONTRACTOR AND VZW ELECTRICAL CONTRACTORS SHALL PROVIDE FIRE WATCH DURING ALL WELDING OPERATIONS. TWO (2) HAND HELD 30 LB. FIRE EXTINGUISHERS & ADEQUATE WATER SUPPLY SHALL BE APPROVED BY THE CLIENT AND THE TOWNSHIP WATER AUTHORITY.
 - SEAL ALL PENETRATIONS WITH SILICONE SEALANT.
 - ELECTRICAL WORK PRESENTS SPECIFIC THREATS TO THE HEALTH AND SAFETY OF WORKERS ON SITE. SPECIFICALLY ELECTROCUTIONS ARE THE FOURTH LEADING CAUSE OF DEATH ON CONSTRUCTION SITES. ALL ELECTRICAL WORKERS SHALL HAVE CURRENT CERTIFICATIONS WHICH SATISFY ALL TRAINING REQUIREMENTS FOR THE ELECTRICAL WORK THEY ARE PERFORMING PER OSHA STANDARDS. ALL ELECTRICAL WORKERS SHALL ADHERE TO ALL SAFETY RULES AND REGULATIONS FOR WORKER AND PUBLIC SAFETY. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN OR UNDER THE CLOSE SUPERVISION OF THE LICENSED ELECTRICIAN. THE CONTRACTOR SHALL ADVISE THE TOWER OWNER, PRIME CONTRACTOR, CARRIER, OSHA, NFA/IOE AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.
 - CONNECT NEUTRAL TERMINAL IN SERVICE DISCONNECTING DEVICE TO GROUNDING ELECTRODE. (2/0 AWG TINNED STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" PVC CONDUIT). CONNECT FIRST GROUNDING ELECTRODE TO SECOND GROUNDING ELECTRODE WITH 2/0 AWG TINNED STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO ELECTRODES.
 - VZW E.C. SHALL VERIFY SUFFICIENT CAPACITY EXISTS AT EXISTING METER CENTER. NOTIFY ENGINEER IMMEDIATELY IF SERVICE IS NOT ADEQUATE.
 - REFER TO ELECTRICAL SITE PLAN FOR CONDUIT AND WIRE REQUIREMENTS.
 - ALL ELECTRICAL EQUIPMENT PLACARDS MUST BE ENGRAVED PLASTIC LABELS ONLY. NO P-TOUCH LABELS ARE TO BE USED. PLACARDS SHALL BE 1 1/2" x 5" SIZE AND PERMANENTLY AFFIXED TO THE ENCLOSURES EASILY VISIBLE LOCATIONS.
 - VERIZON WIRELESS ELECTRICAL PLACARD REQUIREMENTS:
 - AVAILABLE FAULT CURRENT RATING FROM UTILITY PROVIDER WITH DATE.
 - VERIZON WIRELESS SERVICE DISCONNECT AT METER BASE.
 - VERIZON MAIN BREAKER AT INTEGRATED LOAD CENTER "ILC".
 - GENERATOR NEUTRAL CONDUCTOR BONDED TO SERVICE GROUNDING ELECTRODE IN THIS ENCLOSURE AT METER CENTER AND AUTOMATIC TRANSFER SWITCH "ATS" NEUTRAL BAR.
 - VERIZON WIRELESS GENERATOR
 - "ACCESS PROPERTY OF VERIZON WIRELESS" AT ALL VERIZON WIRELESS FIBER HAND HOLES FASTENED TO INSIDE WALL OF HAND HOLE.
 - ALL EQUIPMENT SHALL BE GROUNDED PER LATEST EDITION OF NEC AND AS INDICATED ON GROUNDING PLAN.
 - ELECTRICAL EQUIPMENT SHALL BE MIN. 3'-0" FROM ANY STRUCTURE AND AS REQUIRED BY LOCAL UTILITY COMPANIES.
 - 2 AWG BARE SOLID TINNED COPPER WIRE LEADS FROM NEW H-FRAME STRUCTURE TO BE BONDED TO EXISTING GROUNDING SYSTEM (TYP)
 - ALL METALLIC CABINETS & ENCLOSURES MUST BE GROUNDED WITH 2 AWG TO GROUND RING.
 - ALL ABOVE GRADE GROUND VZW CONNECTIONS SHALL BE IN 1/2" FLEXIBLE PVC CONDUIT W/ANTI-THEFT COMPOUND. ALL OTHER LEADS SHALL BE IN 1/2" PVC CONDUIT.
 - ALL HARDWARE USED MUST BE GALVANIZED OR STAINLESS STEEL, NO ZINC OR OTHER MATERIAL IS TO BE USED.
 - VERIZON WIRELESS FURNISH & INSTALL ALL INNER CONNECTING CONDUITS BETWEEN CABINETS AND LAND ALL AC POWER TO VZW EQUIPMENT.
 - ALL CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE METERBOARD SO THAT WATER WILL NOT FLOW FROM THE EQUIPMENT. TRENCHES SHALL BE EXCAVATED ALONG STRAIGHT LINES BEFORE CONDUIT ARE INSTALLED SO THE ELEVATION CAN BE ADJUSTED, IF NECESSARY, TO AVOID UNSEEN OBSTACLES.
 - PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK STRUCTURAL AND OTHER MECHANICAL AND ELECTRICAL DRAWINGS FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.



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LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

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LV MT VERNON EAST

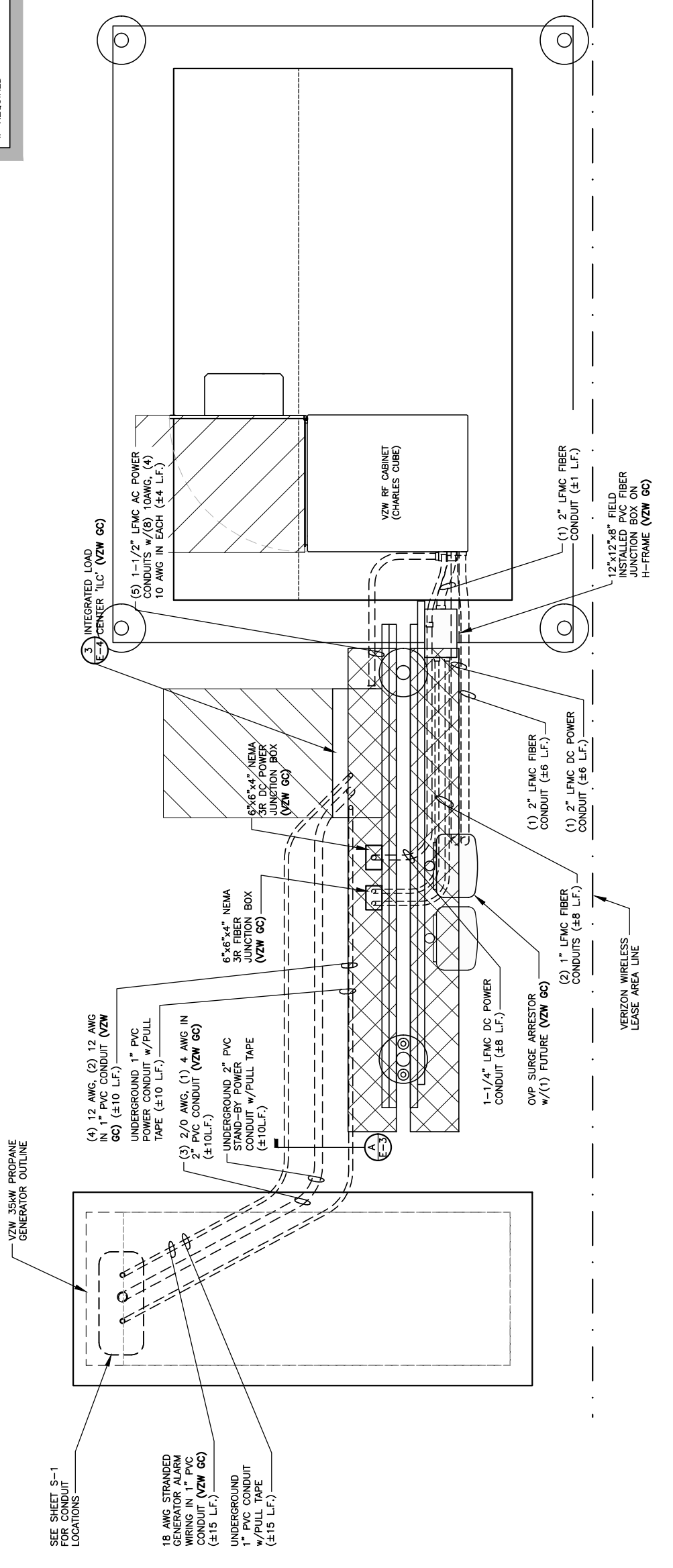
PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
**EQUIPMENT PAD
UTILITY PLAN &
EQUIPMENT PAD
TRENCH SECTIONS**

SHEET NUMBER:
E-3

WK. PKG. & CADDY REV. 3 FINAL 10/16/23

NOTE:
ALL GENERATOR CONDUITS SHALL BE
INSTALLED AND CAPPED WEATHERTIGHT
FOR FUTURE GENERATOR INSTALLATION
IF REQUIRED



SEE SHEET S-1 FOR CONDUIT LOCATIONS

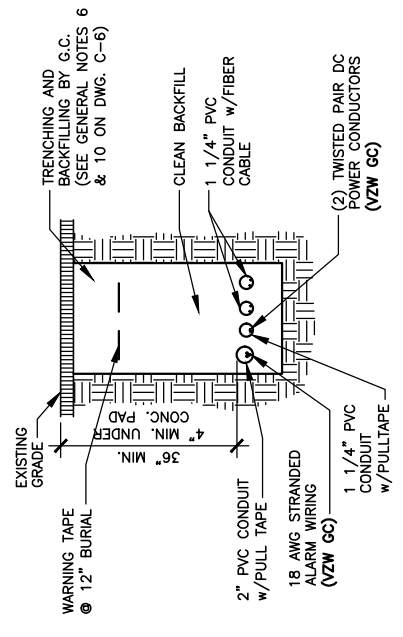


EQUIPMENT PAD UTILITY PLAN

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

ELECTRICAL NOTES:

1. PROVIDE 6'-0" MAX. LIQUDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT CONNECTIONS.
2. ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
3. CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS, AND WHEN CROSSING THE COMPOUND GATE OPENING.
4. ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER SCH40 PVC WITH WEATHERPROOF FITTINGS.
5. ALL GENERATOR CONDUITS SHALL BE INSTALLED REGARDLESS OF INITIAL GENERATOR INSTALLATION.



**RF CABINET FEEDER
TRENCH SECTION DETAIL**

SCALE: N.T.S.

A
E-3



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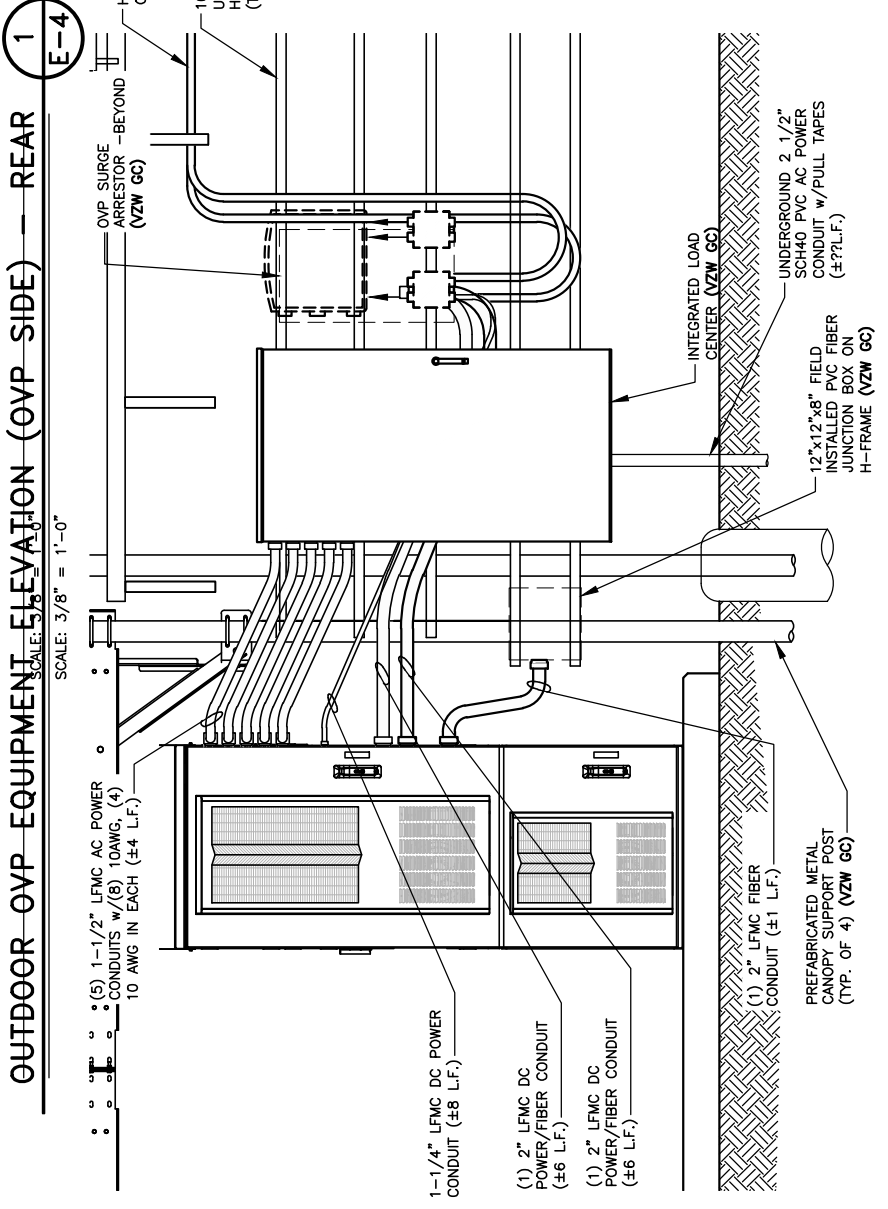
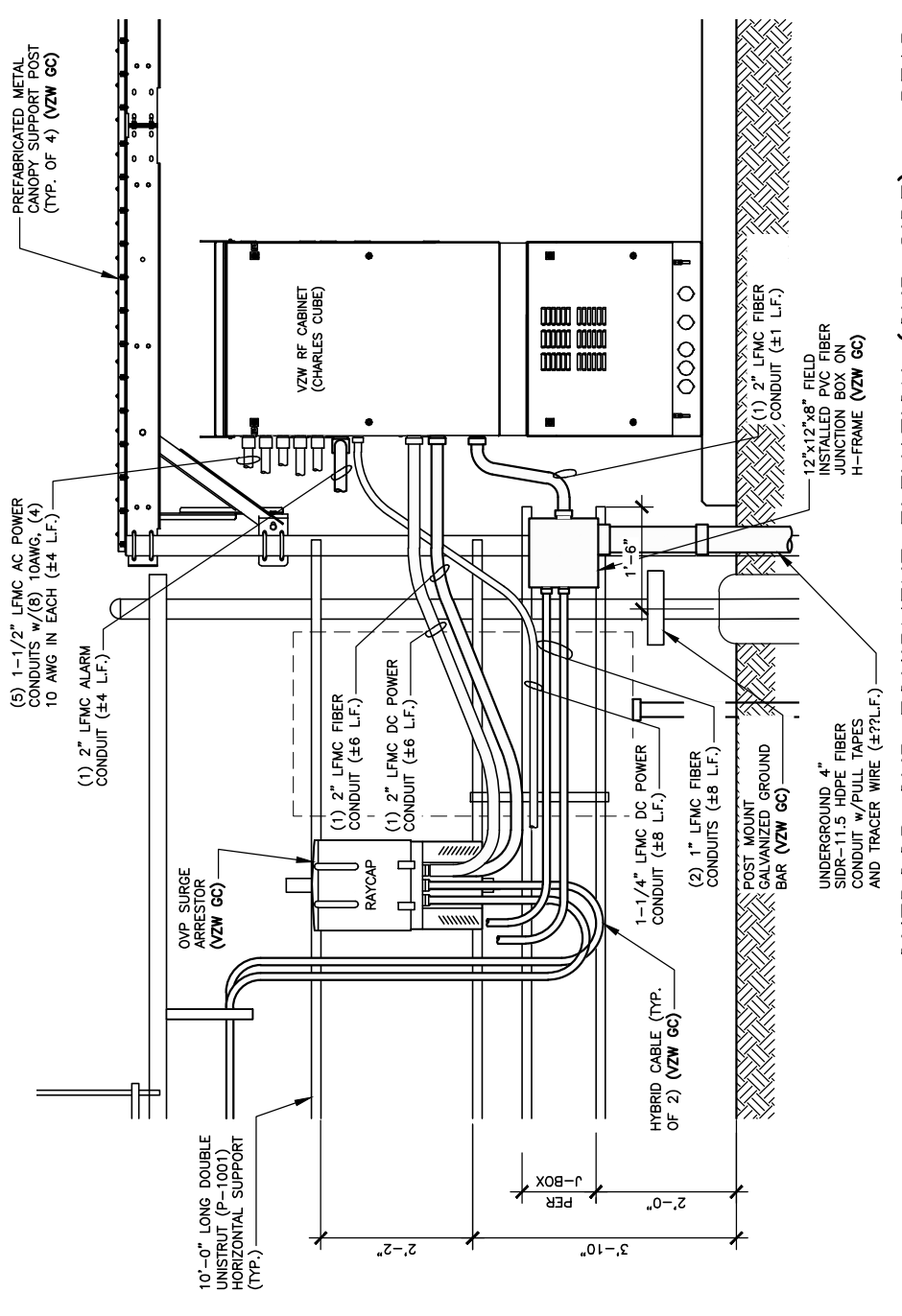
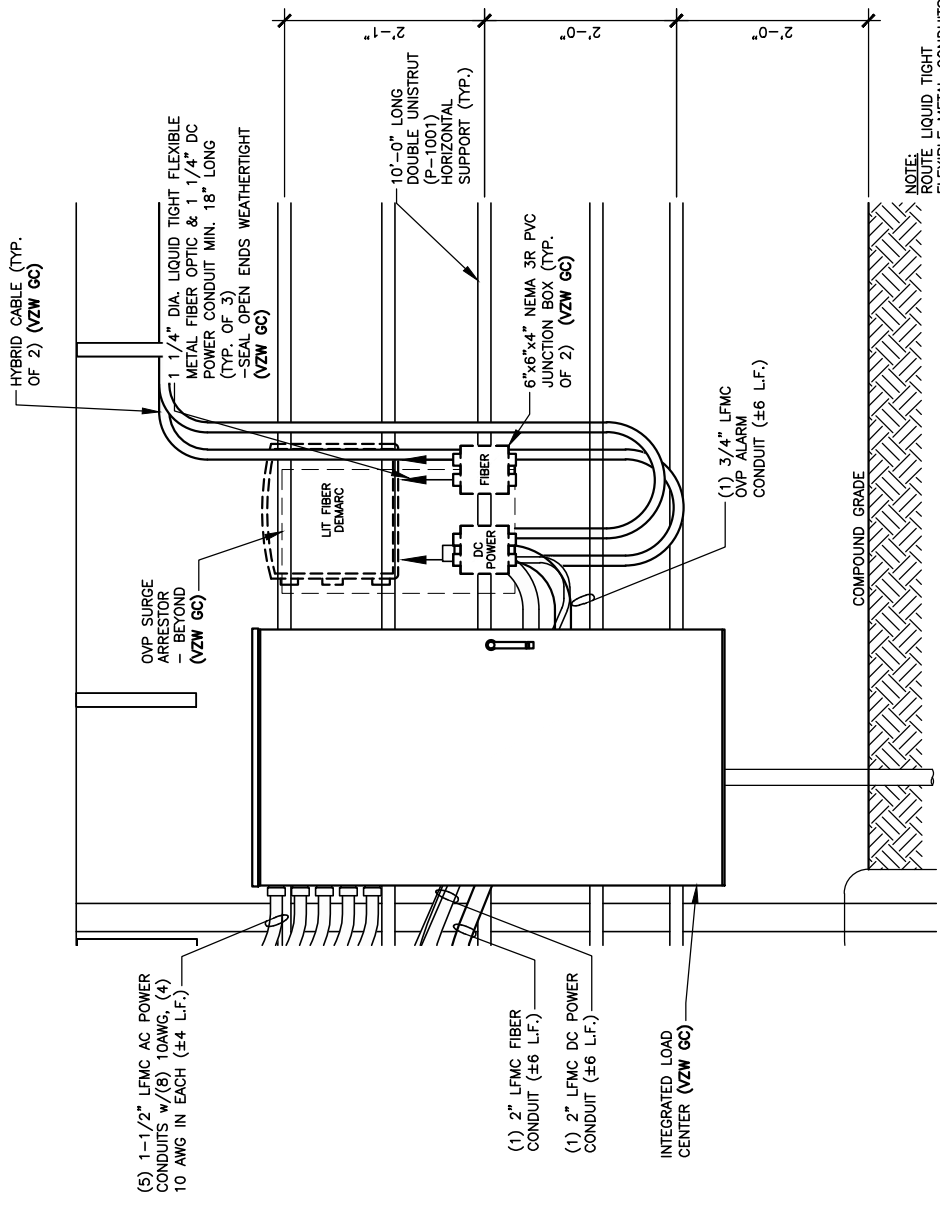
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LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
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SHEET TITLE:
OSP & INTEGRATED LOAD CENTER H-FRAME ELEVATIONS AND DETAILS

SHEET NUMBER:
E-4

WK PWD & CANOPY REV. 3 FINAL 10/16/23



ENLARGED OVP H-FRAME ELEVATION (LIT FIBER DEMARC)
SCALE: 1/2" = 1'-0"

OUTDOOR OVP EQUIPMENT ELEVATION (OVP SIDE) - REAR
SCALE: 3/8" = 1'-0"

OUTDOOR OVP EQUIPMENT ELEVATION (ILC SIDE) - FRONT
SCALE: 3/8" = 1'-0"

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
C	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443

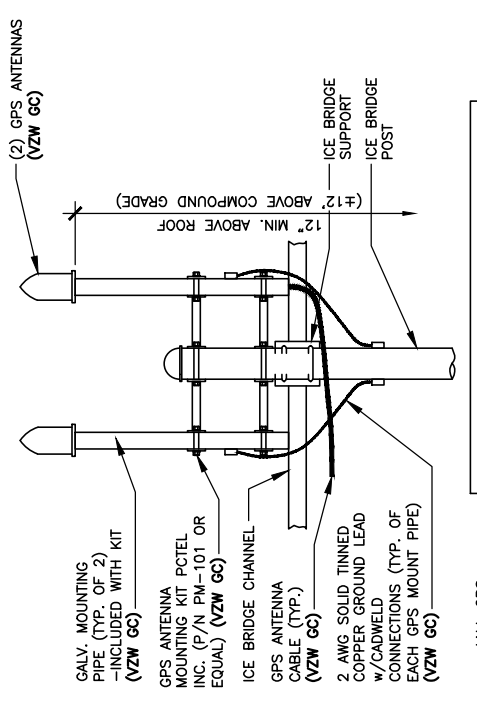
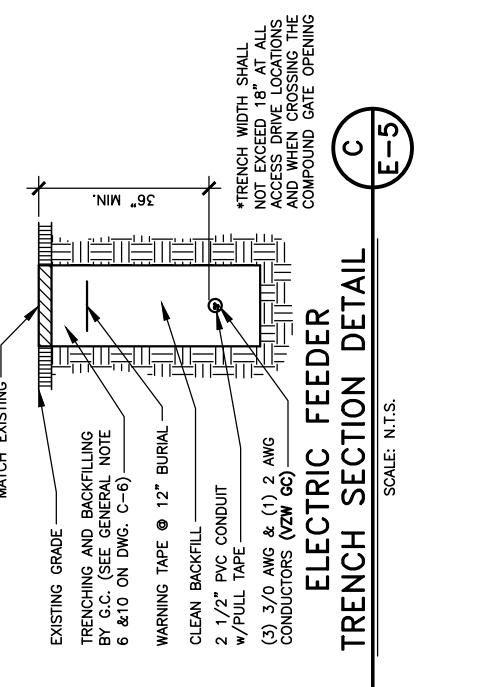
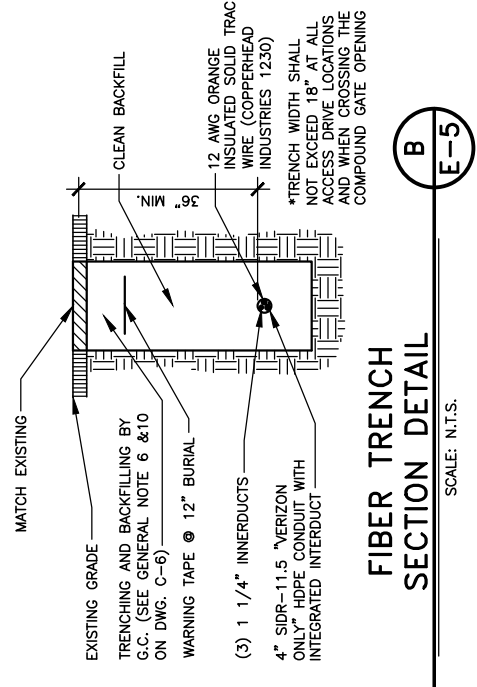
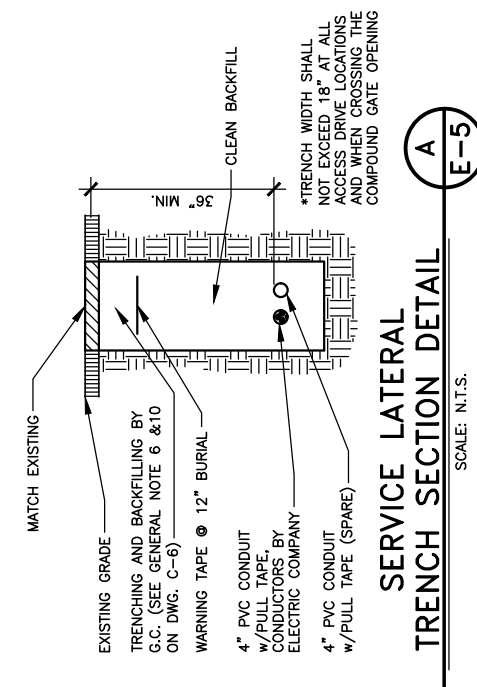
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:

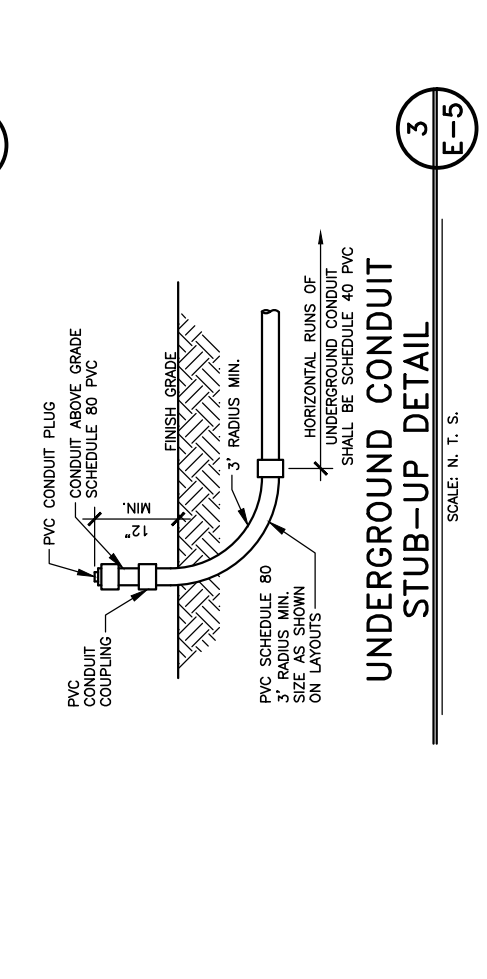
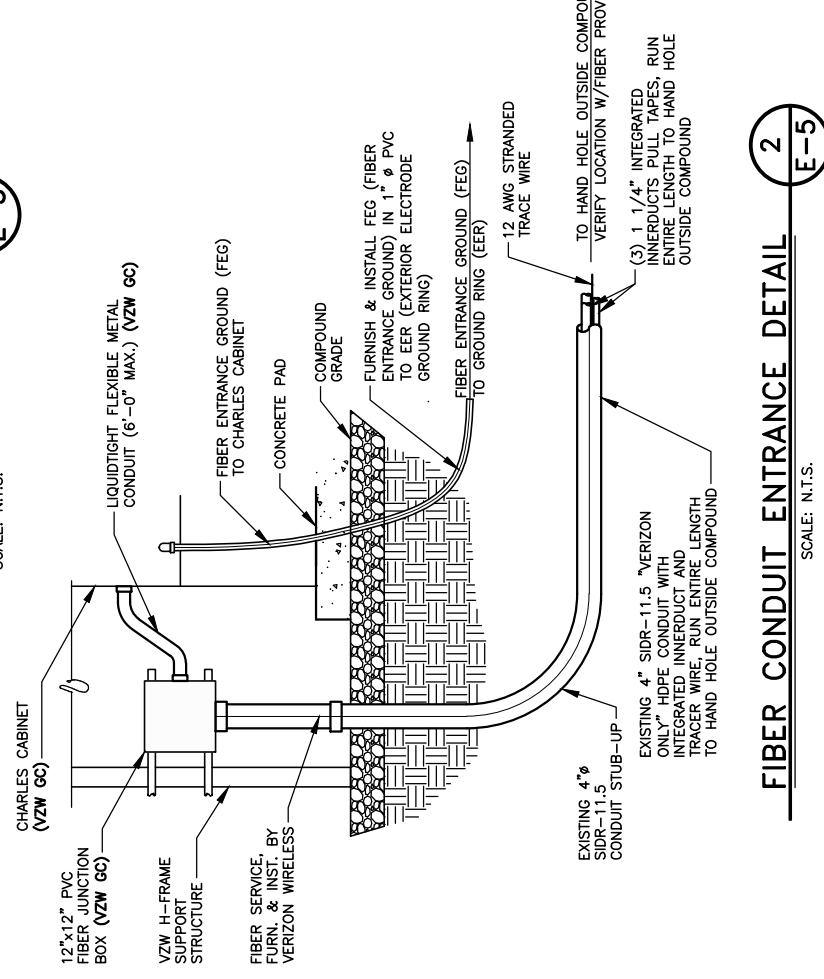
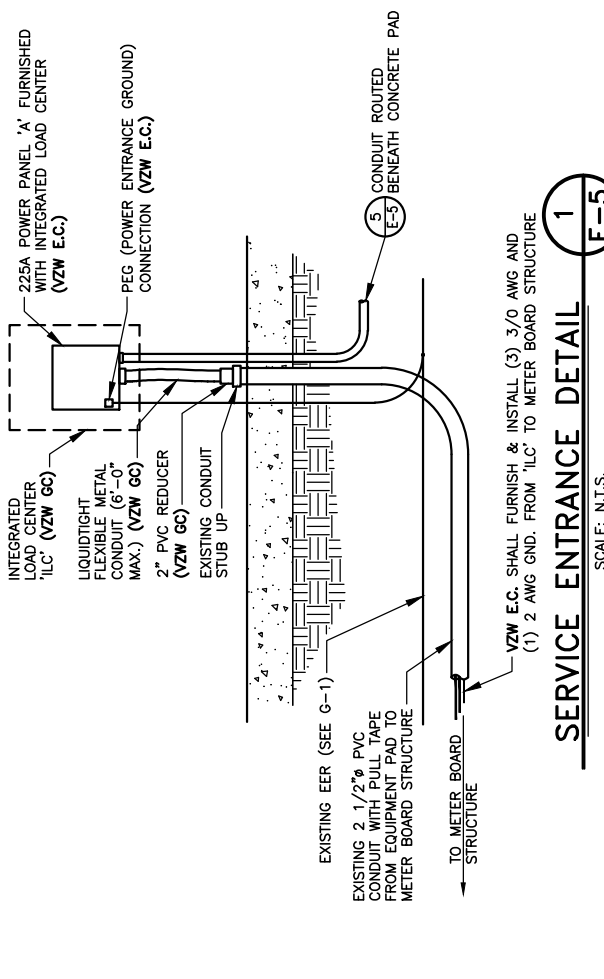
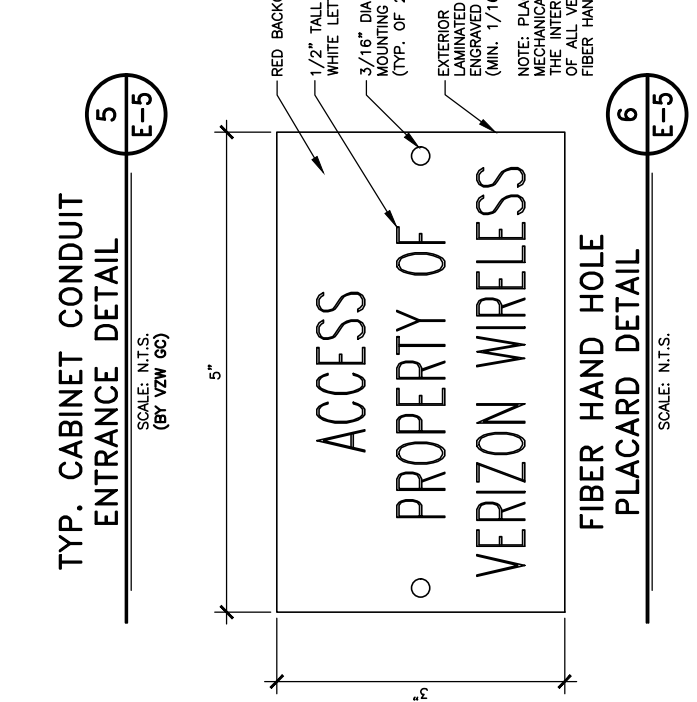
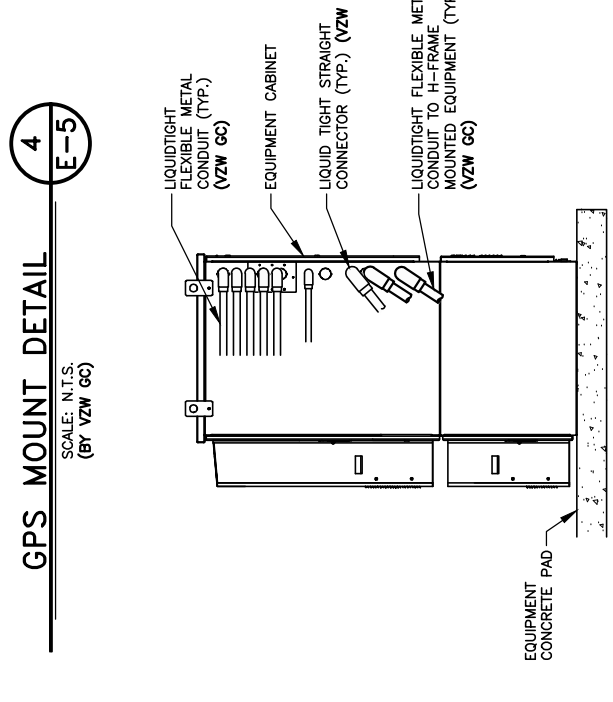
ELECTRICAL DETAILS

SHEET NUMBER:

E-5



NOTE:
 GPS ANTENNA MUST BE INSTALLED IN SUCH A MANNER AS TO PROVIDE A 360° CLEAR VIEW OF THE SKY AT ITS LOWEST MOUNTING POINT





TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)

LAB
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
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SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

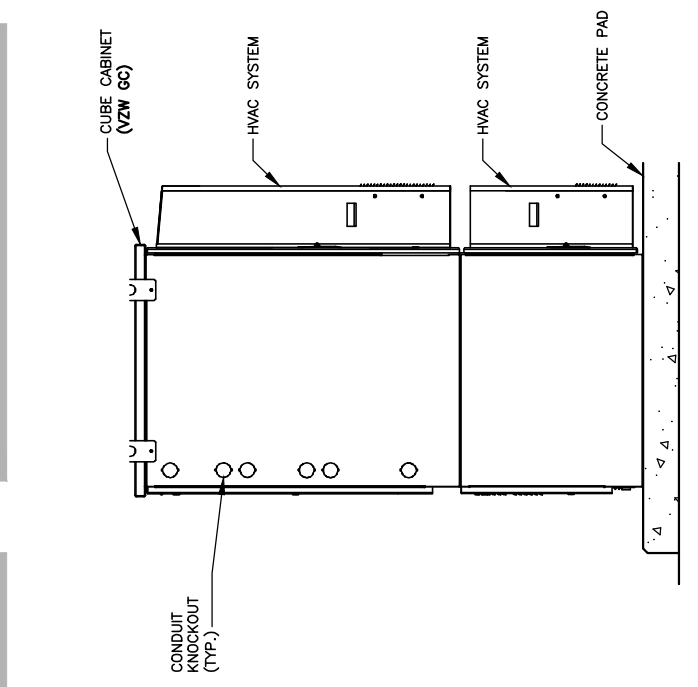
PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
EQUIPMENT CABINET ELEVATIONS

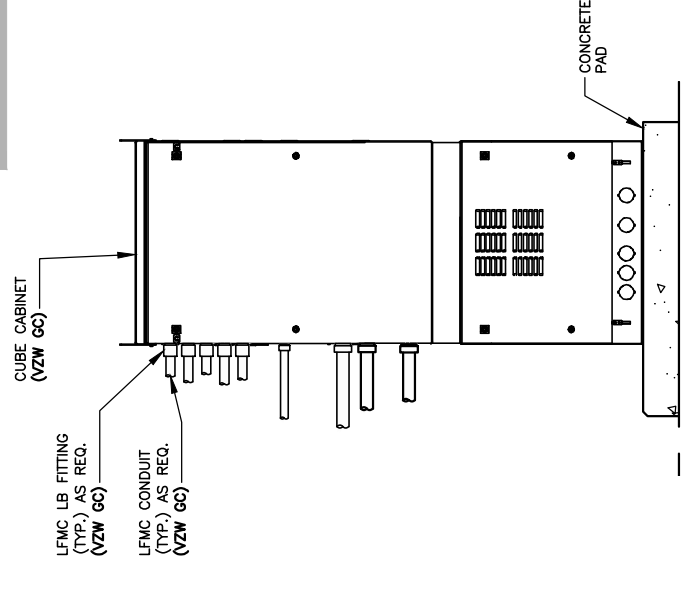
SHEET NUMBER:
E-6
MK PWD & COMPANY REV. 3 FINAL 10/19/23

NOTE:
VERIFY INTERIOR EQUIPMENT LOCATION PRIOR TO JUNCTION BOX FASTENER INSTALLATION. NO SHARP FASTENER EDGES PERMITTED WITHIN CHARLES CABINET

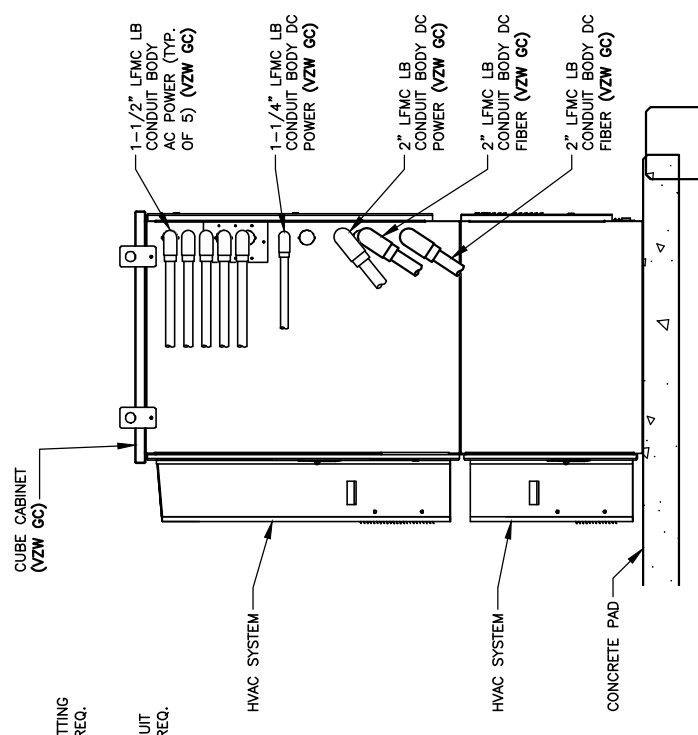
NOTE:
FIBER OPTIC INNERDUCTS SHALL TERMINATE INSIDE CHARLES CABINET ONLY



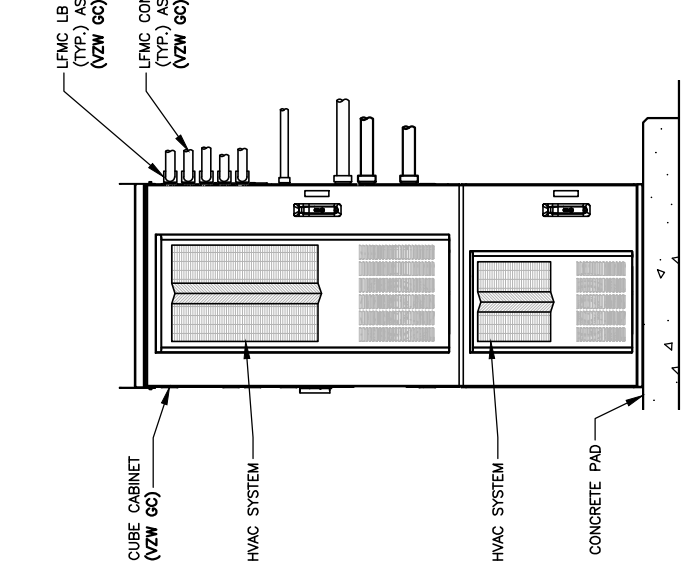
RF CABINET LEFT ELEVATION
SCALE: N.T.S. **4**
E-6



RF CABINET REAR ELEVATION
SCALE: N.T.S. **3**
E-6



RF CABINET RIGHT ELEVATION
SCALE: N.T.S. **2**
E-6



RF CABINET FRONT ELEVATION
SCALE: N.T.S. **1**
E-6



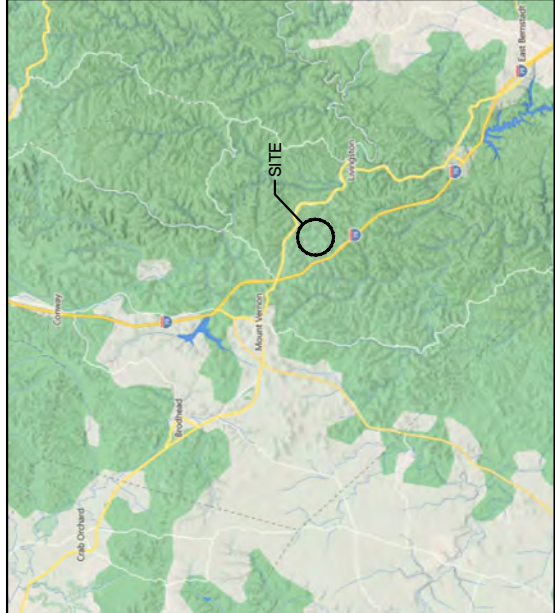
TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)

**NEW 300' SELF SUPPORT TOWER
 W/4' LIGHTNING ROD
 TOTAL TOWER HEIGHT 304'**

TOWER_OWNER SITE LV MT VERNON EAST SITE #: 721772	POLICE ROCKCASTLE COUNTY SHERIFF'S DEPARTMENT PHONE: 606-256-2032
VERIZON_WIRELESS SITE LV MT VERNON EAST PROJECT#: 16913443 MARKET ID: TBD MDC#: 721772	FIREFIGHTER CLIMAX VOLUNTEER FIRE DEPARTMENT PHONE: 1-859-358-0855
SITE_ADDRESS 321 FROSTY HOLLOW ROAD MT VERNON, KY 40456 ROCK CASTLE COUNTY E911 ADDRESS: TBD	GENERAL_INFORMATION LATITUDE - 37° 18' 32.58" N LONGITUDE - 84° 15' 28.77" W 1983 (NAD83) ELEVATION - 1201.4" AMSL 1988 (NAVD88)
TOWER_OWNER TAG TOWERS, LLC 108 FORBES COURT, SUITE 1 RICHMOND, KY 40475 PHONE: (859) 544-5000	TOWER_OWNER LEASE AREA 100'-0" x 100'-0" (10000 SF)
PROPERTY_OWNER CLYDE & MAGDALINE COLLINS 321 FROSTY HOLLOW ROAD MT VERNON, KY 40456	VERIZON_WIRELESS LEASE AREA 12'-0" x 30'-0" (360 SF)
PROJECT_TOTAL_DISTURBED_AREA COMPOUND: (3790 SF) = (0.08608 ACRE) ACCESS DRIVE: (40510.8 SF) = (0.93 ACRE) GROSS AREA: (44263.8 SF) = (1.01608 ACRE)	

ALL CONSTRUCTION ITEMS ARE TO BE COMPLETED BY THE TOWER OWNER GENERAL CONTRACTOR UNLESS NOTED AS (VZW GC) WHICH SHALL BE COMPLETED BY THE VERIZON WIRELESS GENERAL CONTRACTOR

PROJECT SUMMARY



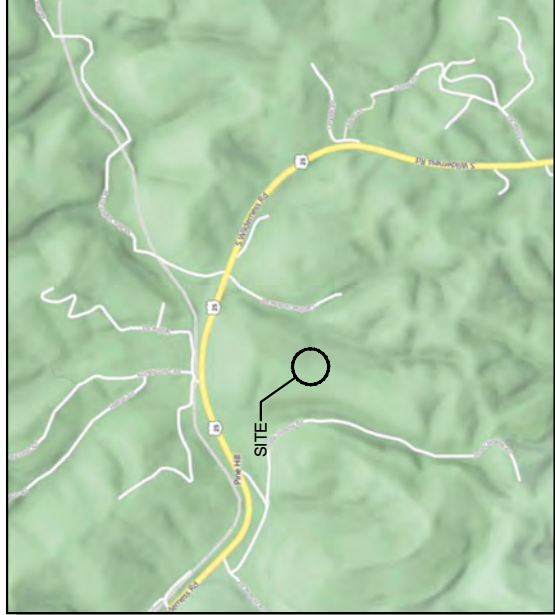
VICINITY MAP

PROJECT DESCRIPTION:

NOTE-ALL ITEMS WITHIN THESE CONSTRUCTION DOCUMENTS ARE BY TOWER OWNER'S GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS UNLESS NOTED AS (VZW GC) WHICH SHALL INCLUDE VERIZON WIRELESS GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS. GENERAL DESCRIPTION BELOW:

- TOWER OWNER SCOPE:
 - INSTALL A NEW 300' SELF SUPPORT TOWER w/ 4' LIGHTNING ROD (TOTAL 304')
 - INSTALL A NEW 300' TOWER FOUNDATION SYSTEM
 - INSTALL A NEW 60X75' FENCED GRAVEL COMPOUND
 - INSTALL A NEW ELECTRICAL SERVICE RUN TO SITE UTILITY H-FRAME
 - INSTALL A NEW GRAVEL ACCESS DRIVE
 - NO WATER OR SEWAGE SERVICES RUN TO SITE
 - INSTALL NEW TOWER & SITE GROUNDING SYSTEM
 - INSTALL NEW VZW SUBSURFACE GROUNDING SYSTEM
 - INSTALL NEW VZW CONCRETE EQUIPMENT AND GENERATOR PAUS
 - INSTALL VZW EQUIPMENT H-FRAME AND FOUNDATIONS
 - INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE STUB-UP TO UTILITY H-FRAME
 - INSTALL NEW CONDUITS WITH PULL TAPES FROM VZW ILC STUB-UP LOCATION TO THE GENERATOR STUB-UP AT VZW GENERATOR PAD
 - INSTALL (1) NEW "VERIZON WIRELESS ONLY" FIBER OPTIC CONDUIT WITH INTEGRAL EQUIPMENT TO NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE OUTSIDE COMPOUND THEN TO NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE AT PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED AS TENANT READY
- VERIZON WIRELESS SCOPE (VZW GC):
 - INSTALL VZW PREFABRICATED CANOPY AND FOUNDATIONS
 - INSTALL VZW ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER
 - INSTALL VZW ANTENNAS, LINES, COAX, GPS ANTENNA AND RADIO EQUIPMENT & FACILITIES
 - INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES ENCLOSURE
 - INSTALL VZW ELECTRIC SERVICE CONDUCTORS FROM UTILITY H-FRAME TO VZW ILC ENCLOSURE
 - INSTALL VZW CONDUITS WITH PULL TAPES FROM RF CABINET TO OVP H-FRAME UT FIBER LOCATION
 - INSTALL NEW CONDUITS AND CIRCUITS FROM VZW ILC ENCLOSURE TO OVP H-FRAME ENCLOSURES AT VZW EQUIPMENT PAD
 - INSTALL VZW GENERATOR CIRCUITS FROM VZW ILC & EQUIPMENT ENCLOSURES TO VZW GENERATOR
 - INSTALL NEW OUTDOOR OVPs AND CABLING ON VERIZON EQUIPMENT H-FRAME

PROJECT DESCRIPTION



LOCATION MAP

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

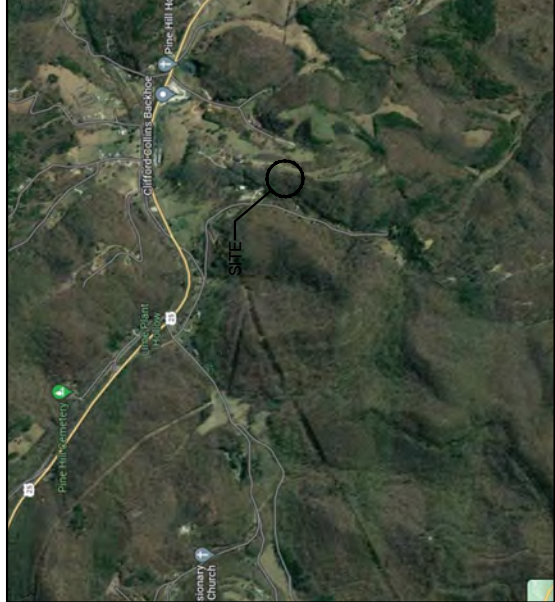
BUILDING CODE	2018 KENTUCKY BUILDING CODE (IBC 2015)
STRUCTURAL CODE	TIA/EIA-222 - REVISION G (INCLUDES ADDENDUM #2)
MECHANICAL CODE	2015 INTERNATIONAL MECHANICAL CODE (IMC 2015)
PLUMBING CODE	KENTUCKY STATE PLUMBING CODE (815 KAR CHAP. 20)
ELECTRICAL CODE	2017 NATIONAL ELECTRICAL CODE (NEC) - NFPA 70
FIRE/LIFE SAFETY CODE	2015 INTERNATIONAL FIRE CODE (IFC)
ENERGY CODE	2012 INTERNATIONAL ENERGY CODE (COMMERCIAL)
GAS CODE	2012 NATIONAL FUEL GAS CODE (NFPA 54)

ACCESSIBILITY REQUIREMENTS:
 FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2015 IBC BUILDING CODE.

APPLICABLE CODES

SURVEYOR FASTAN 1012 S 4TH STREET, SUITE 101 LOUISVILLE, KY 40203	ENGINEER DMITRY ALBUL, P.E. OFFICE PH: (716) 800-1364 MOBILE PH: (716) 650-8147 EMAIL: DALBUL@ALBULENG.COM
ELECTRICAL TBD	ELECTRICAL UTILITY COORDINATION IS NOT FINALIZED. DO NOT PROCEED WITH CONSTRUCTION.

CONSULTANT TEAM



AERIAL

LV MT VERNON EAST

721772

**321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY**

**TENANT: RURAL CELLULAR CORP d/b/a VERIZON WIRELESS
 "LV MT VERNON EAST"
 BUILDING #:**

FROM: 205 E. MAIN ST., MOUNT VERNON, KY 40456; HEAD EAST ON KY-1326 / E MAIN ST TOWARD SPRING ST. 0.3 MI, KEEP STRAIGHT TO GET ONTO US-150 E / US-25 S / S WILDERNESS RD, 4.5 MI, TURN RIGHT ONTO PINE HILL CIRCLE, 0.1 MI, TAKE A SHARP LEFT ONTO FROSTY HOLLOW RD, 0.4 MI, ARRIVE AT
 ARRIVE AT 321 FROSTY HOLLOW ROAD, MT VERNON, KY 40456

SHEET NUMBER DESCRIPTION

T-1	PROJECT INFORMATION, SITE MAPS, SHEET INDEX
LS-1 TO LS-4	SURVEY PLAN
C-0	OVERALL SITE PLAN
C-1	OVERALL SITE PLAN W/AERIAL OVERLAY
C-1A	OVERALL SITE PLAN W/TOWER LEG DISTANCE TO PROPERTY LINES
C-1B	OVERALL SITE PLAN W/TOWER LEG DISTANCE TO RESIDENTIAL STRUCTURES
C-2	GRADING AND EROSION CONTROL OVERALL PLAN
C-2.1	DETAILED SITE PLAN
C-3	DIMENSIONED SITE PLAN
C-5	DETAILED VZW EQUIPMENT PLAN
C-6	GENERAL SITE CONSTRUCTION NOTES
C-7	BEST MANAGEMENT PRACTICES & EROSION CONTROL DETAILS AND NOTES

SITE DETAILS

D-1	FENCE DETAILS AND NOTES
D-2	SITE DETAILS
D-3	EQUIPMENT PAD & CANOPY ELEVATIONS
D-4	VERIZON WIRELESS SIGNAGE (REFERENCE ONLY)
D-5	TOWER OWNER SITE FENCE SIGNAGE (REFERENCE ONLY)

STRUCTURAL

S-1	EQUIPMENT PAD FOUNDATION PLAN, DETAILS AND STRUCTURAL NOTES
S-2	ICE BRIDGE PLAN AND DETAILS
S-3	FOUNDATION PLAN AND DETAILS

TOWER ELEVATION

TE-1	TOWER ELEVATION
------	-----------------

ELECTRICAL

E-1	SITE UTILITY PLAN
E-2	PANEL SCHEDULE, ONE LINE DIAGRAM, ELECTRICAL NOTES AND DETAILS
E-3	EQUIPMENT PAD UTILITY PLAN & EQUIPMENT PAD TRENCH SECTIONS
E-4	OVP & INTEGRATED LOAD CENTER H-FRAME ELEVATIONS AND DETAILS
E-5	ELECTRICAL DETAILS
E-6	EQUIPMENT CABINET ELEVATIONS
E-7	EQUIPMENT PAD LIGHTING PLAN
E-8	ALARMING TABLE AND DETAILS (REFERENCE ONLY)
E-9	ALARMING DIAGRAMS AND DETAILS (REFERENCE ONLY)
E-10	ALARM AND FIBER CABLE ROUTING (REFERENCE ONLY)

GROUNDING

G-1	GROUNDING SITE PLAN
G-2	GROUNDING NOTES
G-3	VERIZON WIRELESS GROUNDING PLAN AND NOTES
G-4	GROUNDING DETAILS
G-5	GROUNDING DETAILS
G-6	GROUNDING DETAILS

REFERENCE DRAWINGS

RF-1	ANTENNA PLAN AND DETAILS (REFERENCE ONLY)
REF-1	GENERATOR SPECIFICATIONS (REFERENCE ONLY)

PSC MAP

PSC MAP -1	
PSC MAP -2	



TAG TOWERS, LLC
 108 FORBES COURT, SUITE 1
 RICHMOND, KY 40475
 859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
 Wixom, Michigan 48393
 PHONE: (248) 705-9212

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SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
PROJECT INFORMATION, SITE MAPS, SHEET INDEX

SHEET NUMBER:
T-1



1012 S 4th Street, Suite 101
Louisville, Ky 40203
Phone: (502) 636-5111
Fax: (502) 636-5263

SITE NUMBER: 721772

SITE NAME: MT VERNON EAST

SITE ADDRESS: FROSTY HOLLOW RD
MT VERNON, KY 40456

LEASE AREA: 10,000.00 SQ.FT.

PROPERTY OWNER: CLYDE R & MAGDALENE COLLINS
317 FROSTY HOLLOW RD
MT VERNON, KY 40456

PARCEL NUMBER: 074-00-002
0735W-00-032.04,
& 0735W-00-016

SOURCE OF TITLE: D.B. 154, PG. 282
D.B. 133, PG. 483
& D.B. 92, PG. 320

DWG BY: SNS FIELD DATES: 11.15.22
CHKD BY: FLS 12.08.22

FSTAN PROJECT NO.: 22-11628

SHEET 1 OF 4

REVISIONS:
ACCESS ESMT - 01.09.23
ADD TITLE - 02.21.23
FINAL(S&S) - 02.27.23

RAWLAND
SHAFT COORD. PNT.-04.24.23(2311737)

LOCATION DESCRIPTION
LOCATED NEAR PINE HILL, ROCKCASTLE COUNTY, KENTUCKY.

THIS SITE IS LOCATED ON THE MOUNT VERNON KENTUCKY USGS QUADRANGLE SHEET.

The National datum (coordinate) is referenced to the North American Datum 1983 (NAD 83) and is expressed in terms of latitude and longitude in degrees, minutes, and seconds. The site location is shown relative to which 15 feet horizontal distance is in terms of the North American Datum (Datum of 1983 (NAD 83)) and is accurate to within 1/4" - 1/2" feet vertically.



SURVEYOR'S NOTES

SOURCE OF BEARING AND DISTANCE IS A C.P.S. OBSERVATION ON NOVEMBER 15, 2022, FROM A GPS CONTINUOUSLY OPERATING REFERENCE STATION DESCRIPTION - RT 747121 8 CORS APP. COR. 10 - MTR. PD - ORACLE.

SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS SHOWN HEREON OR NOT.

NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR ENCUMBRANCES IN THE TITLE OF THE PARCEL TRACT.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

EXISTING CONTIGUOUS ARE AT ONE FOOT INTERVALS.

811

Know what's below.
Call before you dig.

The utility information shown on this plat is provided by the utility companies for their own use. It is the contractor's responsibility to verify the existence and location, and to contact the appropriate utility company for field access.

STATE OF KENTUCKY
FRANK L. SELLINGER
3282
LICENSED PROFESSIONAL LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

THE "X" SURVEY UNADJUSTED (HERESE CLOSURE BETTER THAN 1 IN 10,000 TO ALL PARTIES INTERESTED IN TITLE TO PREMISES SURVEYED) I HEREBY CERTIFY THAT THIS PLAT AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

This survey and plat meets or exceeds the minimum standards of the governing authorities.

This property is subject to any recorded easements or right of ways not shown hereon.

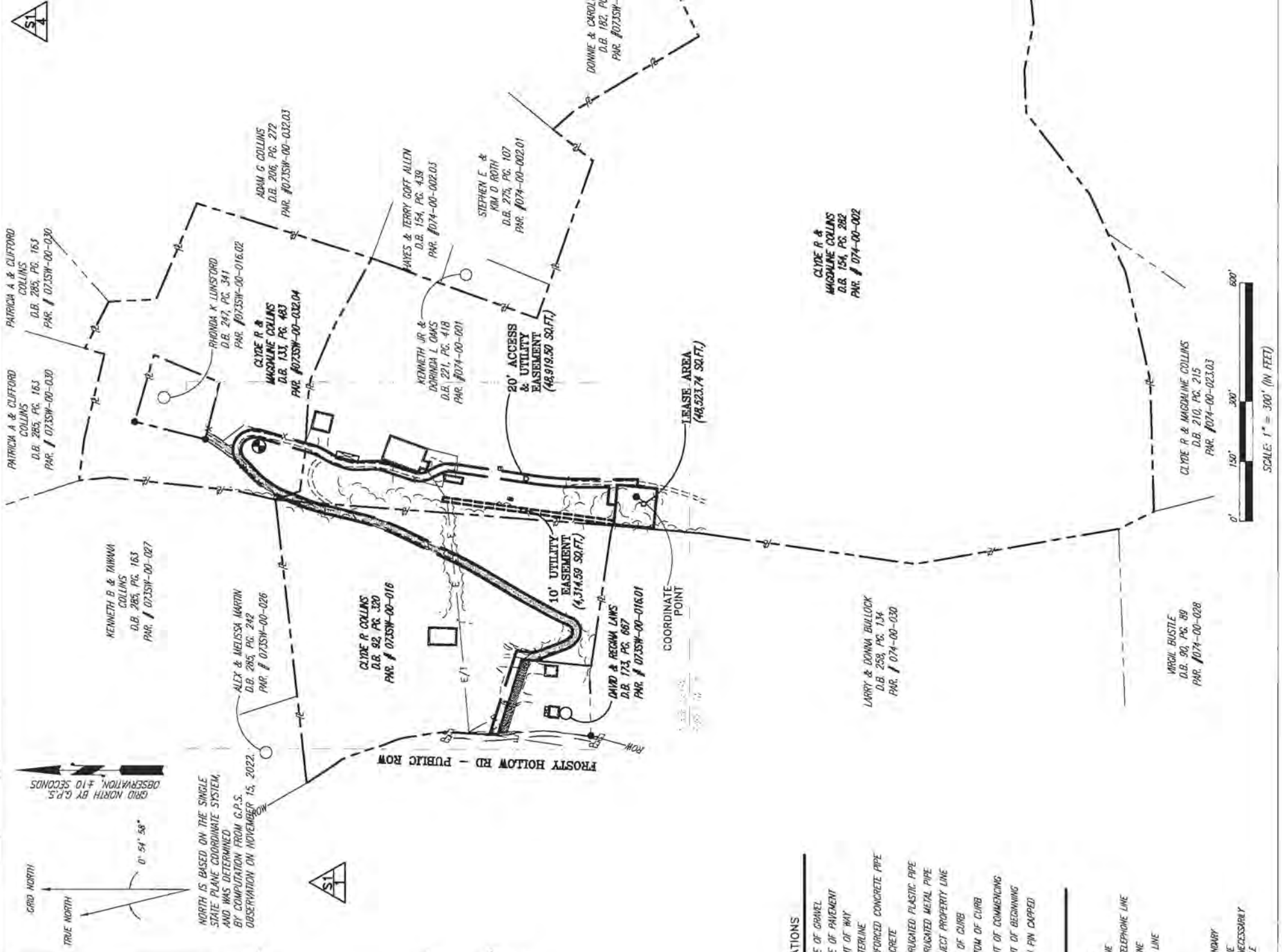
Frank L. Sellinger, II
KY. Reg. No. 3282

"WIRELESS COMMUNICATION SITE SURVEY"

OWNER APPROVAL: _____ DATE: _____

TENANT APPROVAL: _____ DATE: _____

I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 212002000C DATED 09-03-2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE LEASE AREA IS LOCATED IN ZONE "X".



SHEET 1

- PREMISES
- TITLE NOTES
- FLOOD ZONE DATA
- VICINITY MAP

COORDINATE POINT LOCATION
MND 1983
LATITUDE: 37° 19' 32.58" N
LONGITUDE: 84° 15' 28.77" W
ELEVATION: 1201.4
SINGLE STATE PLANE COORDINATE (BLUE MARBLE GEOGRAPHIC CALCULATOR VERSION 1.0)
NORTHING: 3645648.988
EASTING: 5355034.451

PROJECT BENCHMARK
NORTH: 3646550.478
EAST: 5355182.888
ELEVATION: 1210.71'
LOCATION: BEING A 3/8" REBAR W/ CAP STAMPED "CONTROL PNT. 301" NORTH OF THE NORTHEAST CORNER OF THE LEASE AREA.

SYMBOL LEGEND

- INPOD POWER POLE
- CONCRETE POWER POLE
- METAL TRAFFIC POLE
- LIGHT POLE
- GUY POLE
- TELEPHONE PEDESTAL
- ROW RIGHT OF WAY
- GUY ANCHOR
- MANHOLE
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- ELECTRIC BOX
- FENCE POST
- SPOT ELEVATION
- SET REBAR (UNLESS OTHERWISE NOTED) EXISTING REBAR (UNLESS OTHERWISE NOTED)

ABBREVIATIONS

- EG EDGE OF GRAVEL
- EP EDGE OF PAVEMENT
- ROW RIGHT OF WAY
- C CENTERLINE
- RCP REINFORCED CONCRETE PIPE
- CONC CONCRETE
- CPP CORRUGATED PLASTIC PIPE
- CMP CORRUGATED METAL PIPE
- R SUBJECT PROPERTY LINE
- TC TOP OF CURB
- BC BOTTOM OF CURB
- PCC POINT OF COMMENCING
- POB POINT OF BEGINNING
- IFC IRON PIN EXPOSED

LINE LEGEND

- OVERHEAD ELECTRIC
- UNDERGROUND GAS LINE
- UNDERGROUND WATER LINE
- OVERHEAD ELECTRIC & TELEPHONE LINE
- OVERHEAD TELEPHONE LINE
- DRAINAGE/STORM SEWER LINE
- EXISTING FENCE
- PROPOSED FENCE
- ETCH / SMILE
- SUBJECT PROPERTY BOUNDARY
- RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR UNITS/VALUES DO NOT NECESSARILY APPEAR ON DRAWINGS. USE ONLY AS APPLICABLE.

NORTH IS BASED ON THE SINGLE STATE PLANE COORDINATE SYSTEM, AND WAS DETERMINED BY COMPUTATION FROM C.P.S. OBSERVATION ON NOVEMBER 15, 2022.

GRID NORTH BY C.P.S. OBSERVATION, #10 SECONDS

TRUE NORTH 0° 54' 58"

GRID NORTH

SCALE: 1" = 300' (IN FEET)

STATE OF KENTUCKY
FRANK L. SELLINGER
3282
LICENSED PROFESSIONAL LAND SURVEYOR

DAVID YOLANDA POMIER
D.B. 240, PG. 270
PAR. #074-00-023

CLYDE R & MAGDALENE COLLINS
D.B. 154, PG. 282
PAR. # 074-00-002

CLYDE R & MAGDALENE COLLINS
D.B. 210, PG. 215
PAR. #074-00-023.03

CLYDE R & MAGDALENE COLLINS
D.B. 90, PG. 80
PAR. #074-00-028

LARRY & DONNA BULLOCK
D.B. 253, PG. 134
PAR. # 074-00-030

VIRGIL BUSTLE
D.B. 90, PG. 80
PAR. #074-00-028

CURVE	RADIUS	CHORD BEARING	CHORD LENGTH
C1	50.00'	S 84°39'21" E	79.14'
C2	60.00'	S 08°12'50" E	49.04'
C3	90.00'	S 22°37'52" W	21.07'
C4	70.00'	S 24°24'26" W	12.07'
C5	93.20'	S 10°15'33" W	25.60'
C6	90.00'	S 07°15'19" W	27.47'
C7	42.29'	S 10°29'48" E	36.68'
C8	70.00'	S 09°01'57" E	41.51'
C9	600.00'	S 04°13'18" W	96.08'
C10	710.00'	N 04°13'18" E	98.06'
C11	50.00'	N 09°01'57" W	29.65'
C12	62.29'	N 09°20'08" W	52.88'
C13	70.00'	N 07°08'35" E	20.65'
C14	113.20'	N 10°06'18" E	32.17'
C15	90.00'	N 24°24'26" E	15.52'
C16	70.00'	N 22°37'52" E	16.39'
C17	40.00'	N 08°12'50" W	32.69'
C18	30.00'	N 84°39'21" W	47.49'
C19	410.00'	S 45°38'38" W	37.48'
C20	215.34'	S 33°44'58" W	107.94'
C21	410.00'	S 20°52'43" W	23.52'
C22	290.00'	S 17°53'10" W	46.88'
C23	610.00'	S 19°34'04" W	134.25'
C24	610.00'	S 28°27'25" W	54.74'
C25	590.00'	S 30°08'55" W	18.13'
C26	590.00'	S 26°03'52" W	65.95'
C27	35.89'	S 75°26'50" W	57.02'
C28	71.87'	N 36°22'40" W	38.63'
C29	51.87'	S 36°22'40" E	27.88'
C30	15.89'	N 75°26'50" E	25.24'
C31	610.00'	N 26°03'52" E	68.18'
C32	610.00'	N 30°08'55" E	18.74'
C33	590.00'	N 28°27'25" E	52.94'
C34	590.00'	N 19°34'04" E	129.85'
C35	310.00'	N 17°53'10" E	50.11'
C36	390.00'	N 20°52'43" E	22.37'
C37	235.34'	N 33°44'58" E	117.96'
C38	390.00'	N 45°38'38" E	35.65'

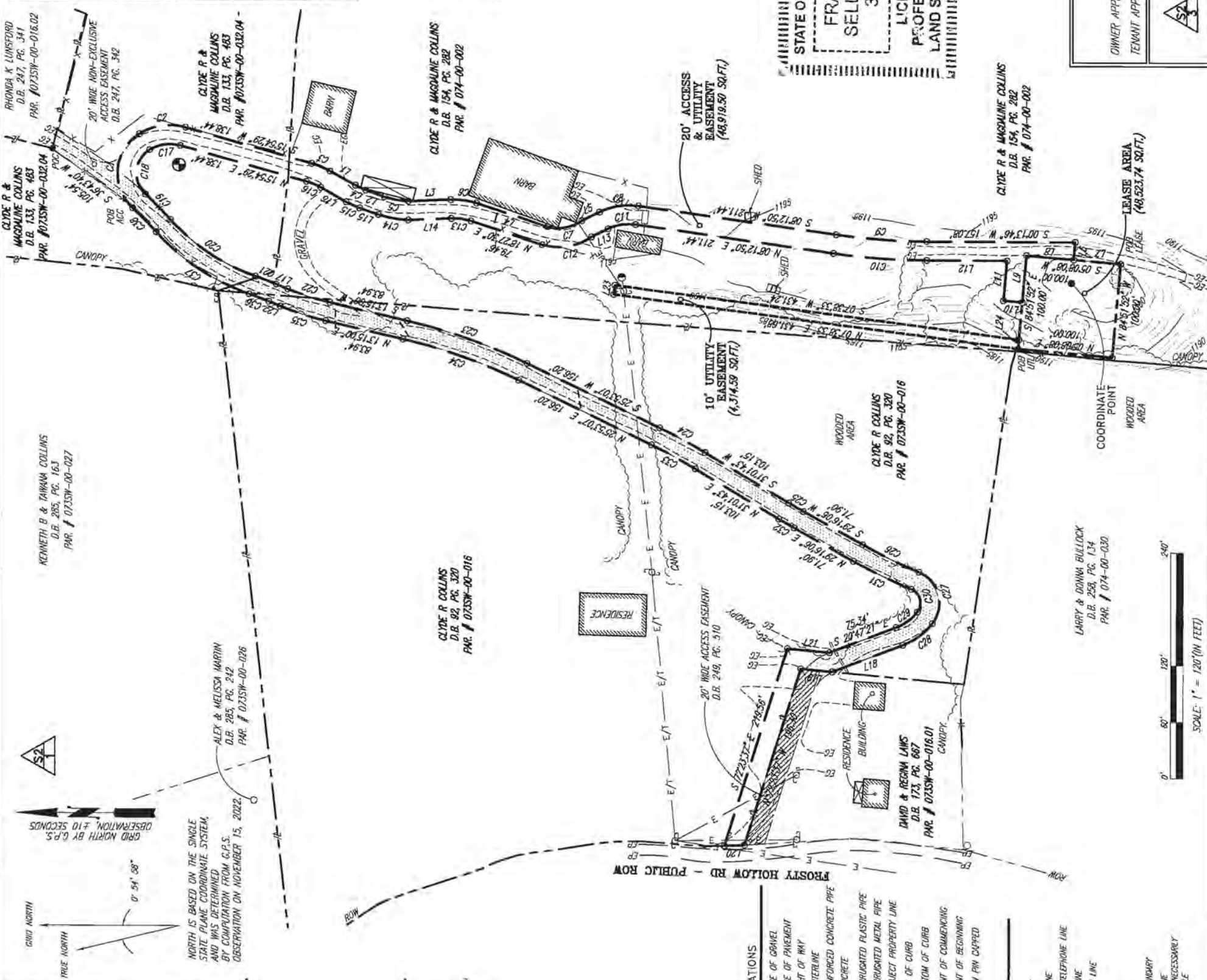
LINE	BEARING	DISTANCE
L1	S 29°21'15" W	30.75'
L2	S 19°27'37" W	20.84'
L3	S 02°16'06" E	44.88'
L4	S 18°27'30" W	79.39'
L5	S 26°16'43" E	21.06'
L6	N 84°51'52" W	18.59'
L7	S 05°08'08" W	50.00'
L8	N 84°51'52" W	50.00'
L9	N 05°08'08" E	20.00'
L10	N 05°08'08" E	20.00'
L11	S 84°51'52" E	42.51'
L12	N 00°13'46" E	85.10'
L13	N 28°16'43" W	19.50'
L14	N 02°16'06" W	45.51'
L15	N 19°27'37" E	21.05'
L16	N 29°21'15" E	30.75'
L17	S 22°31'20" W	13.21'
L18	N 20°47'21" W	79.99'
L19	N 05°20'55" E	33.18'
L20	N 02°02'51" W	21.24'
L21	N 05°20'55" W	44.65'
L22	N 22°31'20" E	13.21'
L23	S 82°21'27" E	10.00'
L24	N 84°51'52" W	10.01'

811
Know what's below.
Call before you dig.
The utility information shown on this plat is provided by the utility companies shown. It is the contractor's responsibility to verify the information with the utility companies before any excavation work is done.

SURVEYOR'S NOTES
SOURCE OF BEARING AND ELEVATION IS A G.P.S. OBSERVATION ON NOVEMBER 15, 2022, FROM A G.S. CONTINUOUSLY OPERATING REFERENCE STATION (CORS) - KY HNT DIST 8 CORRS APT. CORRS.D - FTTH, PD - OLSJCS.
SITE SHOWN SUBJECT TO RIGHT OF WAYS AND EASEMENTS SHOWN HEREON OR NOT.
NO SEARCH OF PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM TO DETERMINE ANY DEFECTS AND/OR ABUNDANCES IN THE TITLE OF THE PARCEL TRACT.
THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.
EXISTING CONTIGUOUS ARE AT ONE FOOT INTERVALS.

LAND SURVEYOR'S CERTIFICATE
I, FRANK L. SELINGER, A LICENSED LAND SURVEYOR IN THE STATE OF KENTUCKY, HAVE SURVEYED AND PREPARED THIS PLAN AND THEREBY CERTIFY THAT I AM A LICENSED LAND SURVEYOR IN THE STATE OF KENTUCKY AND THAT I HAVE PERSONALLY CONDUCTED THE SURVEY AND THAT THE INFORMATION CONTAINED HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
This survey and plat meets or exceeds the minimum standards of the governing authorities.
This property is subject to any recorded easements or right of ways not shown hereon.
Frank L. Selinger, Jr.
NY. Reg. No. 3282

"WIRELESS COMMUNICATION SITE SURVEY"
OWNER APPROVAL: _____ DATE: _____
TENANT APPROVAL: _____ DATE: _____
I HAVE REVIEWED THE FLOOD INSURANCE RATE MAPS (FIRM) MAP NO. 21023C0200C DATED 08-03-2009 AND THE LEASE AREA DOES NOT APPEAR TO BE IN A FLOOD PRONE AREA. THE LEASE AREA IS LOCATED IN ZONE "X".



SHEET 2

- PREMISES
- LEGAL DESCRIPTIONS
- FLOOD ZONE DATA
- VICINITY MAP

COORDINATE POINT LOCATION
AND 1983
LATITUDE: 37° 19' 32.58" N
LONGITUDE: 84° 15' 28.77" W
NAVD 1988
ELEVATION: 1210.71'
SINGLE STATE PLANE COORDINATE
(BLUE MARBLE GEOGRAPHIC
CALCULATOR VERSION 3.0)
NORTHING: 3645648.988
EASTING: 5352034.451

PROJECT BENCHMARK
NORTH: 3646530.478
EAST: 5355182.888
ELEVATION: 1210.71'
LOCATION: BEING A 3/4" REBAR W/ CAP
STAMPED "CENTRAL PNT. 901"
NORTH OF THE NORTHEAST
CORNER OF THE LEASE AREA.

ABBREVIATIONS

EG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
ROW	RIGHT OF WAY
CA	CENTERLINE
RCF	REINFORCED CONCRETE PIPE
CONC	CONCRETE
CPP	CORRUGATED PLASTIC PIPE
CMP	CORRUGATED METAL PIPE
SP	SUBJECT PROPERTY LINE
TC	TOP OF CURB
BC	BOTTOM OF CURB
PCC	POINT OF COMMENCING
PQB	POINT OF BEGINNING
IPC	IRON PIN CAPPED

SYMBOL LEGEND

☉	WOOD POWER POLE
⊕	CONCRETE POWER POLE
⊙	METAL TRAFFIC POLE
○	LIGHT POLE
⊖	GUY POLE
⊗	TELEPHONE PEDestal
⊘	GUY ANCHOR
⊙	MANHOLE
⊖	WATER VALVE
⊙	WATER METER
⊖	FIRE HYDRANT
⊙	ELECTRIC BOX
⊖	FENCE POST
⊙	SPOT ELEVATION
⊖	SET #5 REBAR (UNLESS OTHERWISE NOTED)
⊙	EXISTING #5 REBAR (UNLESS OTHERWISE NOTED)
⊖	IRON PIN CAPPED

LINE LEGEND

---	OVERHEAD ELECTRIC
---	UNDERGROUND GAS LINE
---	UNDERGROUND WATER LINE
---	OVERHEAD ELECTRIC & TELEPHONE LINE
---	ORANGE/STORM SEWER LINE
---	EXISTING FENCE
---	PROPOSED FENCE
---	6" DITCH / SWALE
---	SUBJECT PROPERTY BOUNDARY
---	RIGHT OF WAY CENTERLINE

NOTE: SYMBOLS, ABBREVIATIONS, OR LINE TYPES DO NOT NECESSARILY APPEAR ON DRAWINGS. USE ONLY AS APPLICABLE.



SA 1 - LEGAL DESCRIPTIONS (PARENT TRACT)

SA 2 - TITLE NOTES



PARENT TRACT DESCRIPTION (PROVIDED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY)

Property located in Rockcastle County, Kentucky

PARCEL 1:

Beginning of a utility pole on East side of Jack Hurd Road, thence southerly along the road to a white oak tree and iron stake, the corner of E.B. Allen, Minnie Kirby, and Kelly Coffey; thence westerly approximately 40 feet to an iron stake at the top of the line principal branches, which is a corner boundary line of E.B. Allen, Moybelle Moore, and Hayes Allen; thence with Hayes Allen boundary line 210 feet to big white oak; thence Southwesterly 88 feet to a pine tree above dwelling; thence Southwest 153 feet to iron stake in line of Donald Collins; thence around Donald Collins line to his Northeast corner and line of Hayes Allen; thence to center of branch and along line of Moybelle Moore other west corner; thence with Moybelle Moore's line South 30 degrees East to corner stone and pine tree; thence with Moybelle Moore's line easterly to iron stake and pine tree, the corner of E.B. Allen and Moybelle Moore; thence easterly in a direct line with Ebb B. Allen to property line of James Galardi to a twin hickory tree in fence line 56 feet south of the branch; thence southerly with James Galardi to a hickory of top of ridge, G. D. Mink corner; thence northwesterly with Mink down a hill to a corner in the branch with fence; thence westerly continuing with Mink and the fence to a corner on top of Pine Hill, fence corner; thence northerly with W.T. Payne, J.B. Fain and Tom Renner lands with a fence to an iron stake in boundary line of a fence corner; thence easterly with a fence, a new line to an iron stake; thence northeasterly a new line to the utility pole, the point of beginning, and containing seventy acres more or less.

LESS AND EXCEPT that portion of property conveyed to Michael Collins from Clyde Raymond Collins and Magdalene Collins by Deed of Conveyance dated July 12, 2006 and recorded August 9, 2006 in Deed Book 211, Page 654. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to Clyde Raymond Collins and Magdalene Collins from Ebb Ben Allen and Willa Robinson Allen by Deed of Conveyance dated June 17, 1994 and recorded June 22, 1994 in Deed Book 154, Page 282.

Tax Parcel No. 074-00-002

PARCEL 2:

The following described real property located in Rockcastle County, Kentucky, and more particularly bounded and described as follows:

On the waters of Roundstone Creek;

Beginning at a stone in the side of the county road, Albert Griffin's (now John Griffin's) corner; thence south with county road 716 feet to a stone in the edge of county road; thence east a straight line to the top of the ridge to Albert Griffin's line; thence north with Griffin's line to a pine corner in said line; thence west a straight line to the beginning corner and containing ten (10) acres the same more or less.

LESS AND EXCEPT that portion conveyed to Darrell Collins and Chia G. Collins from Clyde Raymond Collins and Magdalene Collins by Deed of Conveyance dated March 23, 1999 and recorded March 26, 1999 in Deed Book 173, Page 667. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to C. Raymond Collins and Magdalene W. Collins from William Cash, Jr., and Doris P. Cash by Deed of Conveyance dated April 20, 1972 and recorded April 25, 1972 in Deed Book 92, Page 320.

Tax Parcel No. 0735W-00-016

PARCEL 3:

The following described real property located in Rockcastle County, Kentucky, and more particularly bounded and described as follows:

Beginning on a pine on the west side of a dirt road and being a corner to Clyde Collins and Benton Miller; thence with line of Miller N19° 42' 25" E, 104.52 feet to a white oak; N 12° 10' 00" E, 314.37 feet to a post; thence N 00° 34' 30" W, 76.40 feet to a post in line of Miller and corner to Clifford Collins; thence with line of Collins S 77° 01' 13" E, 102.04 feet to a post; S 70° 20' 20" E, 221.74 feet to a post; N 22° 41' 55" E, 50.71 feet to a post in line of Clifford Collins and corner to George Collins; thence with line of same S 56° 58' 22" E, 132.79 feet to a post corner of George Collins and Ronnie Ward; thence with line of Ward S 03° 23' 15" W, 118.32 feet; S 60° 48' 04" E, 262.61 feet to an iron post in line of Ward and corner to James Jones; thence S 23° 44' 26" W, 457.49 feet to an iron post, corner to Jones and in line of Ben Allen; thence with line of Allen N 55° 00' 00" W, 195.48 feet to a post; N 60° 00' 00" W, 145.99 feet to a post; N 74° 48' 13" W, 35.91 feet to a white oak; N 80° 23' 35" W, 149.90 feet to a black oak; N 76° 04' 38" W, 97.45 feet to a black oak corner to Allen and in line of Clyde Collins; thence with same N 13° 07' 16" W, 64.57 feet to point of beginning. Containing 7.972 acres by survey of Charles Mullins Registered Land Surveyor No. 778.

LESS AND EXCEPT that portion conveyed to Rhonda Collins and Steve Lunsford from Clyde Collins and Magdalene Collins by Deed of Conveyance dated August 4, 2000 and recorded September 8, 2000 in Deed Book 181, Page 168. (SAME AS PAR. #0735W-00-016.02. DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

AND BEING a portion of the same property conveyed to Clyde Raymond Collins and Magdalene Collins from George Collins and Irene Collins by Deed of Conveyance dated March 29, 1988 and recorded April 4, 1988 in Deed Book 133, Page 483.

Tax Parcel No. 0735W-00-032.04



SURVEYOR'S REVIEW OF "SPECIAL EXCEPTIONS"

NOTES CORRESPONDING TO THE FIDELITY NATIONAL TITLE INSURANCE COMPANY, "REPORT OF TITLE", ORDER NUMBER: 37985209 AND REFERENCE NUMBER: VERIZON WIRELESS- LV MT. VERNON EAST, EFFECTIVE DATE: 10/13/2022.

4. Easement in favor of Kentucky Utilities Company set forth in instrument recorded on April 9, 1984 in Deed Book 122, Page 152. (DOES NOT AFFECT THE LEASE AREA, THE ACCESS & UTILITY ESMT. OR THE UTILITY ESMT. SHOWN PER THIS SURVEY)

5. Certificate of Title (Mobile Home) recorded on July 19, 2010 in Miscellaneous Book 46, Page 93. (NOT A SURVEY ISSUE)



1012 S 4th Street, Suite 101
Louisville, Ky 40203
Phone: (502) 636-5111
Fax: (502) 636-5263

SITE NUMBER: 721772

SITE NAME: MT VERNON EAST

SITE ADDRESS: FROSTY HOLLOW RD
MT VERNON, KY 40456

LEASE AREA: 10,000.00 SQ.FT.

PROPERTY OWNER: CLYDE R & MAGDALINE COLLINS
317 FROSTY HOLLOW RD
MT VERNON, KY 40456

PARCEL NUMBER: 074-00-002
0735W-00-032.04,
& 0735W-00-016

SOURCE OF TITLE: D.B. 154, PG. 282,
D.B. 133, PG. 483,
& D.B. 92, PG. 320

DWG BY: SMS FIELD DATE: DRAFT DATE:
CHKD BY: FLS 11.15.22 12.09.22

FSTAN PROJECT NO.: 22-11628

SHEET 4 OF 4

REVISIONS:
ACCESS ESMT - 01.09.23
ADD TITLE - 02.21.23
FINAL(S&S) - 02.27.23

SHIFT COORD. PNT. -04.24.23(2311737)

RAWLAND



LAND SURVEYOR'S CERTIFICATE
I, THE SURVEYOR, UNDERTAKING THIS SURVEY, HEREBY CERTIFY THAT THIS PLAN AND SURVEY WERE MADE UNDER MY SUPERVISION, AND THAT THE ANGULAR AND LINEAR MEASUREMENTS, AS WITHNESSED BY MONUMENTS SHOWN HEREON, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
This survey and plot meets or exceeds the minimum standards of the governing authorities.
This property is subject to any recorded easements or right of ways not shown hereon.
Frank L. Sellinger
KY. Reg. No. 3282



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)

LAB
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

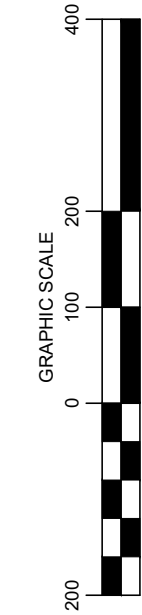
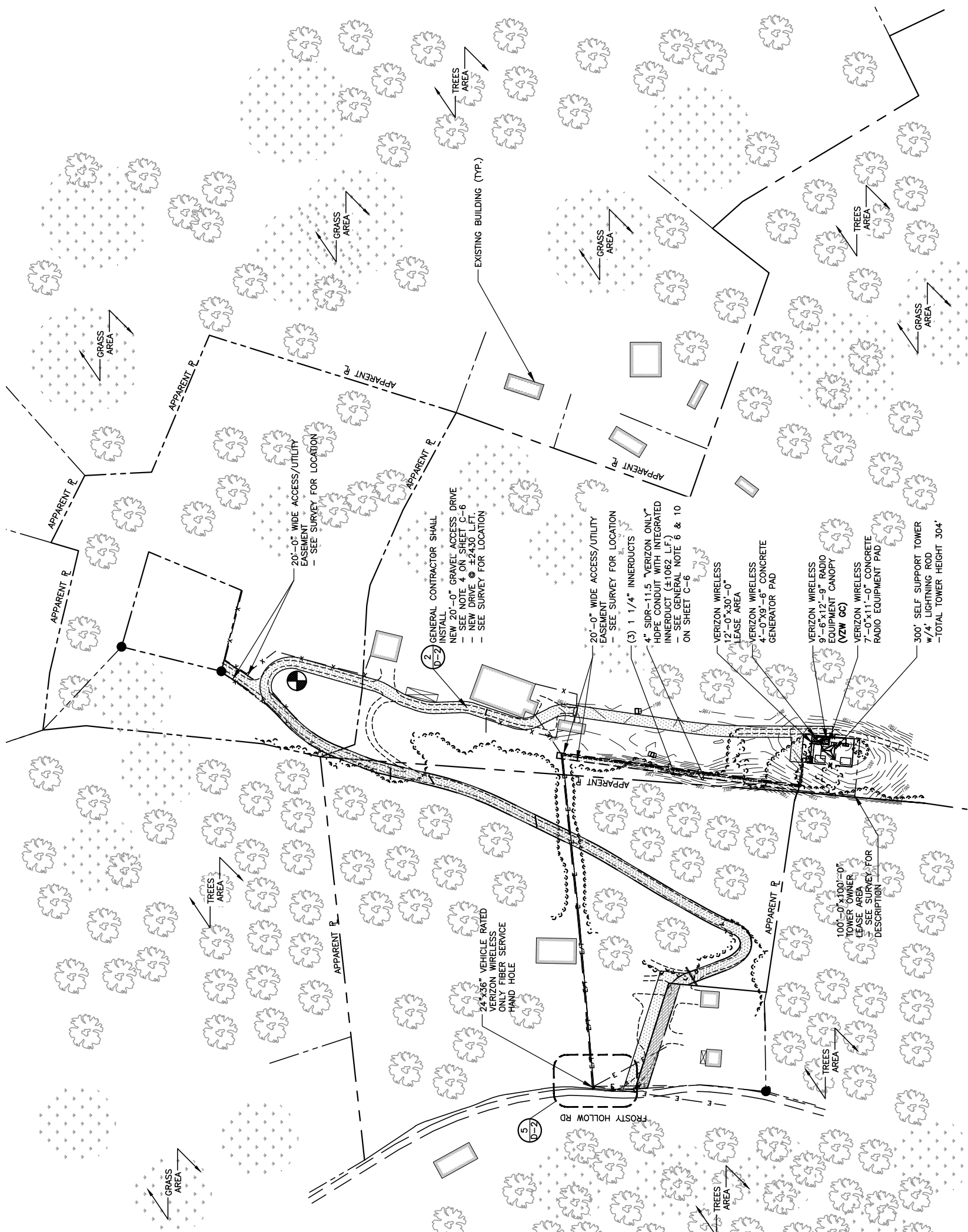
PID NUMBER:
16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
C-0

SCALE: 1" = 200'



OVERALL SITE PLAN

SCALE: 1" = 200'



Know what's below.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UTILITY OWNERS AT LEAST 72 HOURS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:

OVERALL SITE PLAN
W/AERIAL OVERLAY

SHEET NUMBER:

C-1

MR. PNO & CANOPY REV. 3 FINAL 10/16/23



SCALE: 1" = 50'

OVERALL SITE PLAN W/AERIAL OVERLAY



Know what's below.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE APPROPRIATE AGENCIES AT LEAST 72 HOURS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

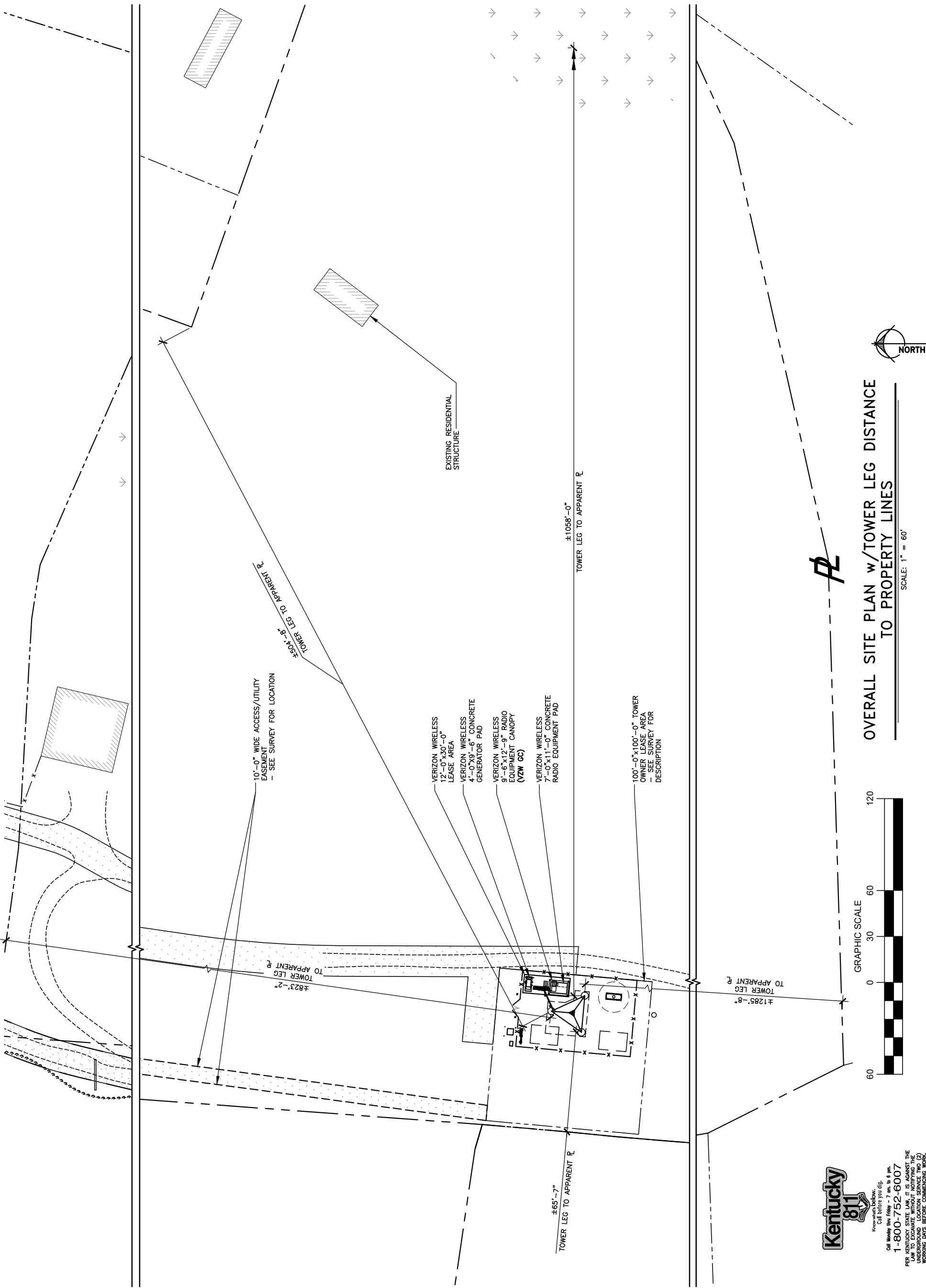
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16813443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

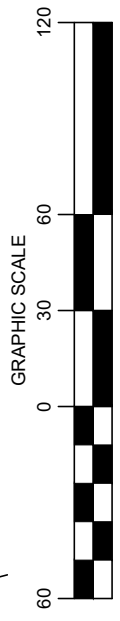
SHEET TITLE:
OVERALL SITE PLAN
w/TOWER LEG
DISTANCE TO
PROPERTY LINES

SHEET NUMBER:
C-1A
MK P&C & CANOPY REV. 3 FINAL 10/16/23



OVERALL SITE PLAN w/TOWER LEG DISTANCE TO PROPERTY LINES

SCALE: 1" = 60'



Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO PERFORM ANY UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

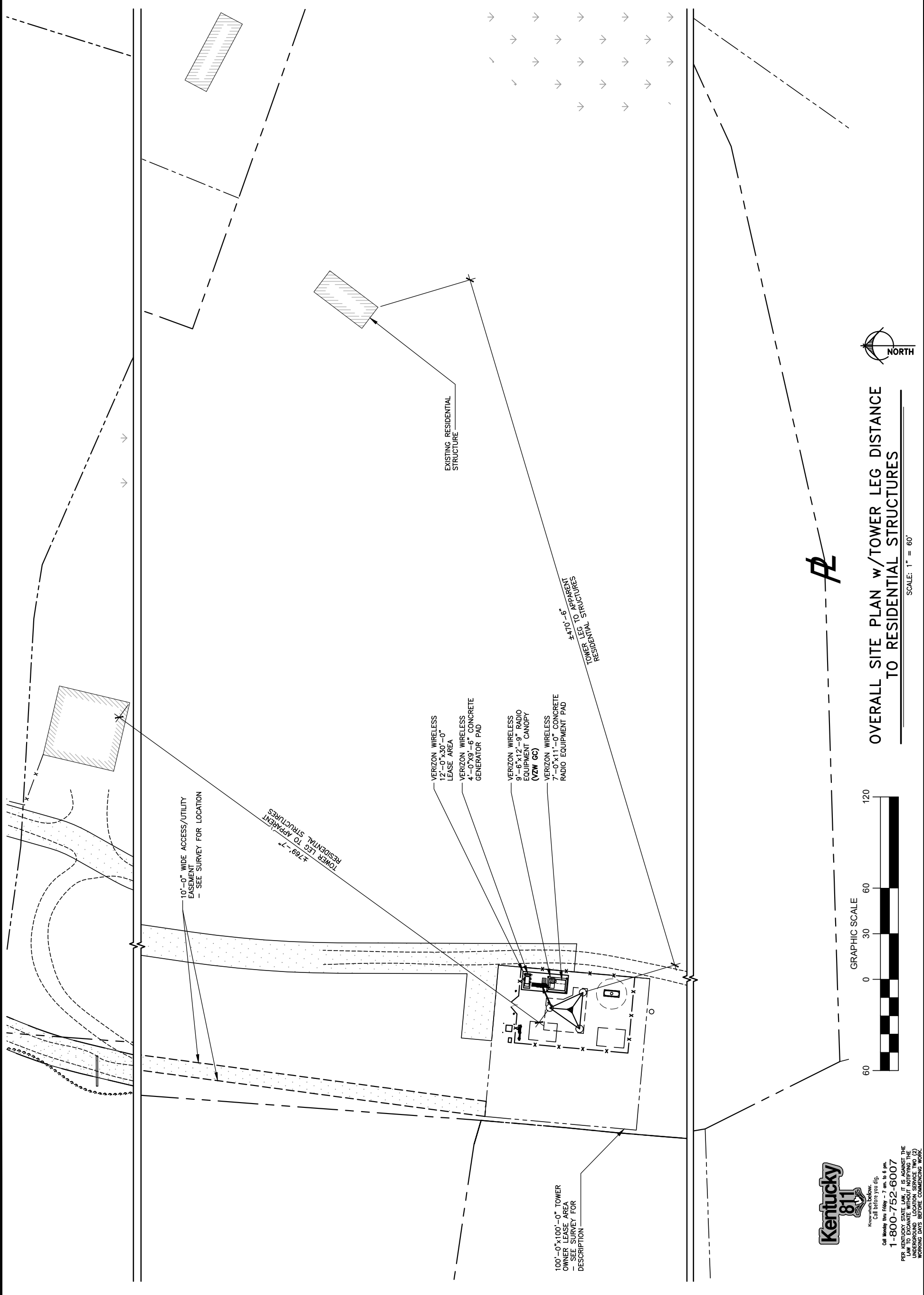
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

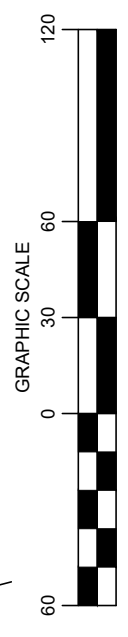
SHEET TITLE:
**OVERALL SITE PLAN
w/TOWER LEG DISTANCE
TO RESIDENTIAL
STRUCTURES**

SHEET NUMBER:
C-1B
MK PLO & CANOPY REV. 3 FINAL 10/16/23

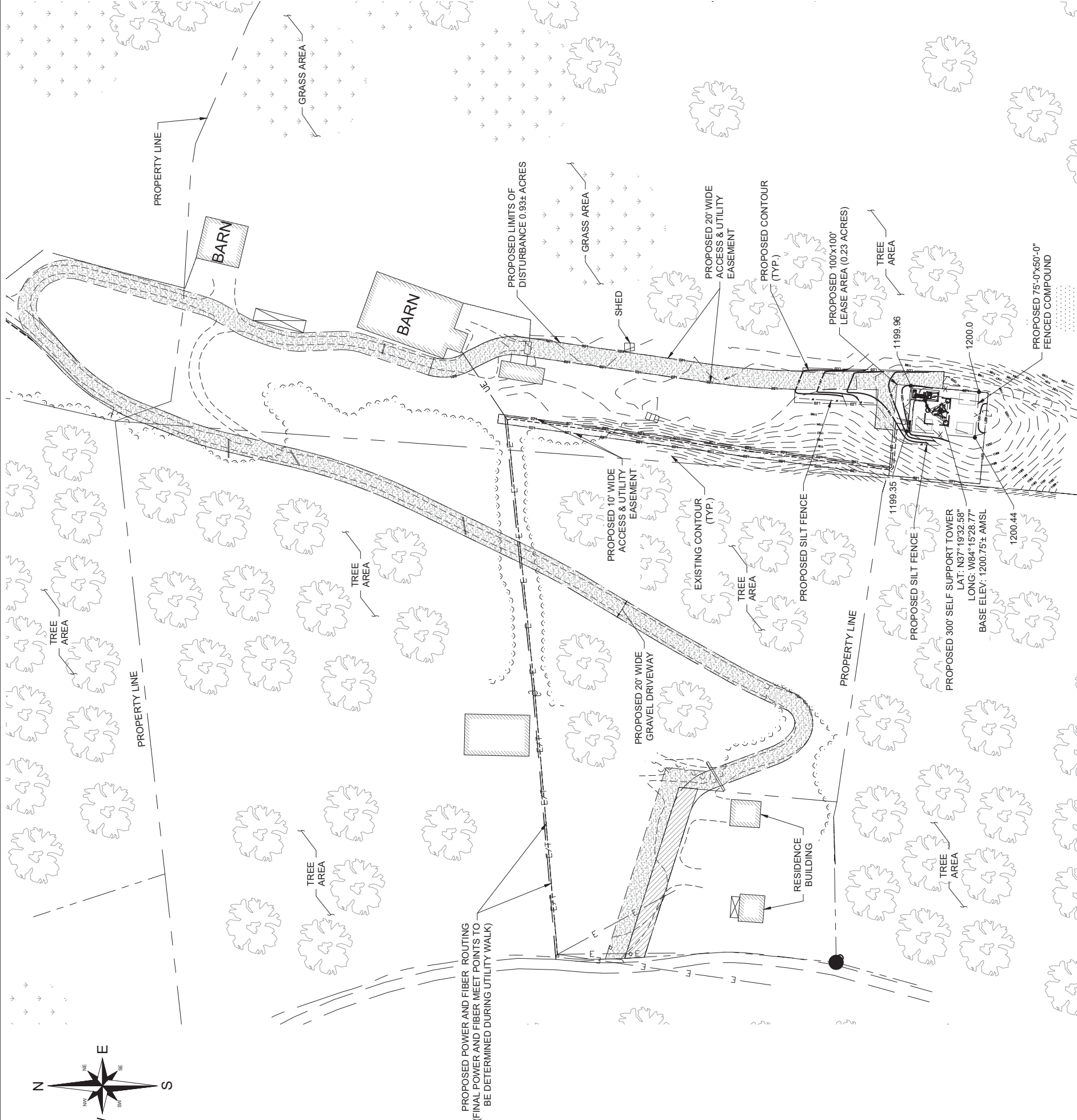


OVERALL SITE PLAN w/TOWER LEG DISTANCE TO RESIDENTIAL STRUCTURES

SCALE: 1" = 60'



Know Your Location.
Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO ENGAGE IN UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
4	12/15/23	REVISED PER SITE CONDITIONS	YAY	AAN
3	10/27/23	REVISED PER SITE CONDITIONS	YAY	AAN
2	08/16/23	REVISED PER SITE CONDITIONS	YAY	AAN
1	07/31/23	ISSUED FOR CONSTRUCTION	YAY	AAN
0	03/17/23	PRELIMINARY	YAY	AAN

SITE INFORMATION

LV MT VERNON EAST
721772
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

PROJECT NUMBER:
33746.LAB.GDP.C47049.2

SHEET NAME:
GRADING & EROSION CONTROL OVERALL PLAN

SHEET NUMBER:
C-2

SCALE:
AS SHOWN

- NOTES:**
- SEE NOTES ON SHEET C-6.
 - NO CUT OR FILL SLOPE SHALL BE STEEPER THAN 3H:1V.
 - CONTRACTOR TO ADHERE TO ALL KENTUCKY DEPARTMENT OF TRANSPORTATION REQUIREMENTS AND SPECIFICATIONS DURING CONSTRUCTION

LEGEND

---	1195'	EXISTING CONTOUR
---	1199'	PROPOSED CONTOUR
---		EXISTING EASEMENT
---		PROPOSED EASEMENT
---		PROPOSED LEASE AREA
X		PROPOSED FENCE
---		EXISTING EDGE OF PAVEMENT
FO		UNDERGROUND FIBER CONDUIT
E		UNDERGROUND ELECTRICAL CONDUIT
---		PROPOSED DITCH
●	1200.72	PROPOSED SPOT ELEV

EROSION AND SEDIMENT CONTROL LEGEND

---	SF	PROPOSED SILT FENCE
---	SF	LIMITS OF DISTURBANCE
---	LOD	

1 GRADING & EROSION CONTROL OVERALL PLAN

SCALE: 1"=40' FOR 24" X 36" PLOT
SOURCE: 11/28/2023/2024



PROPOSED POWER AND FIBER ROUTING (FINAL POWER AND FIBER MEET POINTS TO BE DETERMINED DURING UTILITY WALK)

PROPOSED 10' WIDE ACCESS & UTILITY EASEMENT

BARN

PROPOSED LIMITS OF DISTURBANCE 0.93± ACRES

EXISTING CONTOUR (TYP.)

GRASS AREA

PROPOSED 20'-0" WIDE ACCESS & UTILITY EASEMENT

SHED

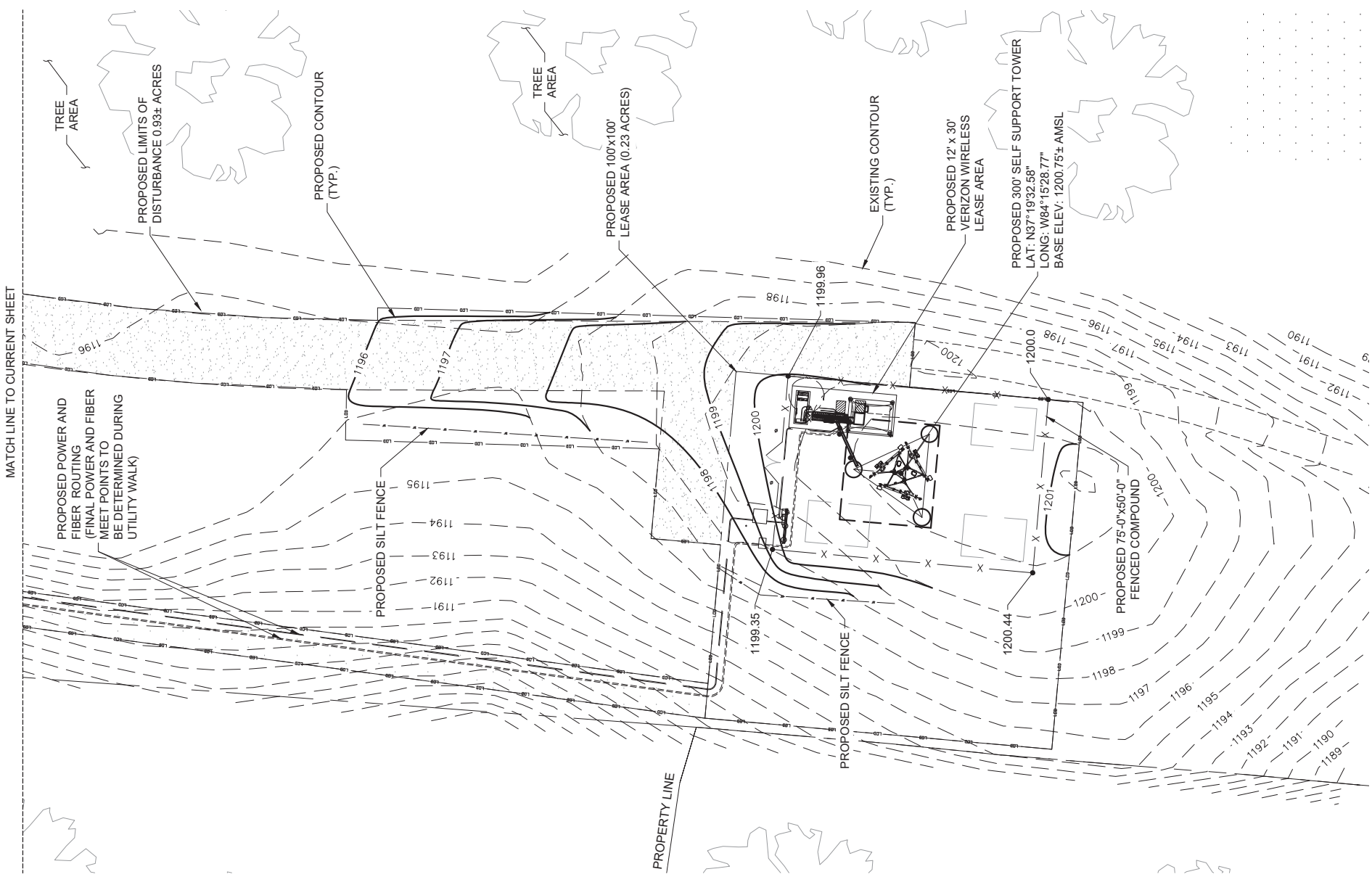
SHED

MATCH LINE TO CURRENT SHEET

2 GRADING & EROSION CONTROL PLAN

SCALE: 1"=40' FOR 11'x17' PLOT - 1"=80' FOR 22'x34'

3



3 GRADING & EROSION CONTROL PLAN

SCALE: 1"=40' FOR 11'x17' PLOT - 1"=80' FOR 22'x34'

3

verizon

250E 96TH ST, STE 175
INDIANAPOLIS, IN 46240-3753

LAB

49030 PONTIAC TRAIL, SUITE 400
WIXOM, MICHIGAN 48393
PHONE: (248) 705-9212

ALBUL ENGINEERING

3840 E. ROBINSON ROAD
AMHERST, NY 14228
WWW.ALBULENG.COM

STATE OF KENTUCKY
DMITRIY V. ALBUL
25093
PROFESSIONAL ENGINEER
12-15-2023
DMITRIY ALBUL
KY LICENSE NO. 25093

REV.	DATE	DESCRIPTION	DESIGNED BY	CHECKED BY
4	12/15/23	REVISED PER SITE CONDITIONS	YAY	AAN
3	10/27/23	REVISED PER SITE CONDITIONS	YAY	AAN
2	08/16/23	REVISED PER SITE CONDITIONS	YAY	AAN
1	07/31/23	ISSUED FOR CONSTRUCTION	YAY	AAN
0	03/17/23	PRELIMINARY	YAY	AAN

LV MT VERNON EAST
721772
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

PROJECT NUMBER:
33746.LAB.GDP.C47049.2

SHEET NAME:
GRADING & EROSION CONTROL OVERALL PLAN

SHEET NUMBER:
C-2.1

SCALE:
AS SHOWN

SHEET SIZE - 22"x34"

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TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV	DATE	DESCRIPTION
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B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

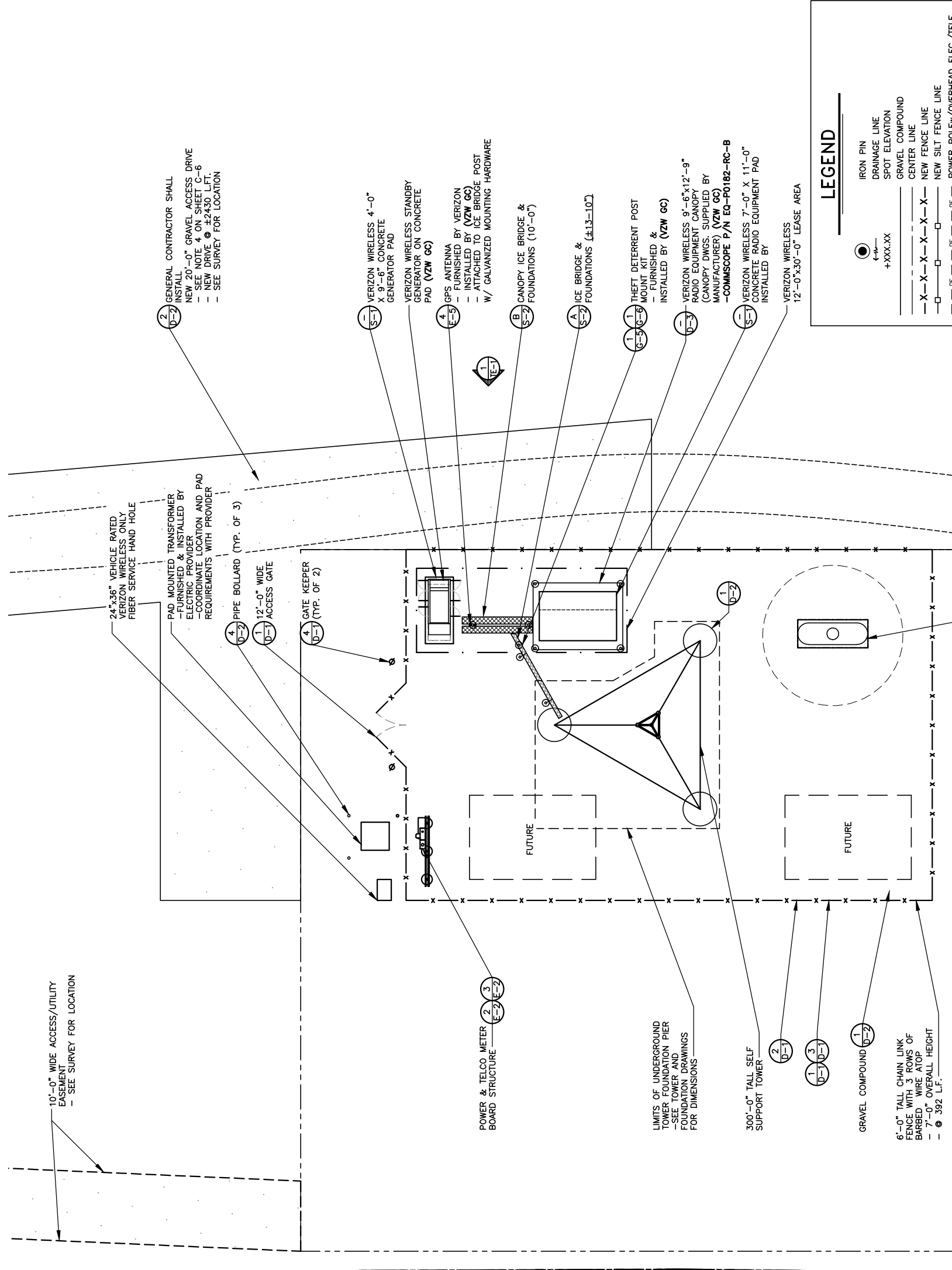
PID NUMBER:
16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
DETAILED SITE PLAN

SHEET NUMBER:
C-3

WK. PLO & CANOPY REV. 3 FINAL 10/16/23



LEGEND

- IRON PIN
- +—+— DRAINAGE LINE
- +XXX.XX SPOT ELEVATION
- ▭ GRAVEL COMPOUND
- — — — — CENTER LINE
- X-X-X-X-X-X-X- NEW FENCE LINE
- - - - - NEW SILT FENCE LINE
- - - - - POWER POLE/OVERHEAD ELEC./TELE.
- ===== EDGE OF NEW DRIVE
- ===== UNDERGROUND ELECTRICAL CONDUIT
- ===== UNDERGROUND TELEPHONE CONDUIT
- ===== EXISTING CONTOURS
- ===== NEW CONTOURS
- ▭ FENCED COMPOUND
- ▭ CONCRETE
- ▭ ACCESS DRIVE

DETAILED SITE PLAN
SCALE: 1/16" = 1'-0"



*NOTE: GENERAL CONTRACTOR IS TO ENSURE THERE IS NO DISTURBANCE OF PROPERTY, SOIL, ETC. OUTSIDE OF THE STAKED LEASE AREA WITHOUT APPROVAL FROM VERIZON WIRELESS CONSTRUCTION MANAGER



Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
FOR A LIST OF PARTICIPATING COMPANIES, VISIT THE WEBSITE: www.kentucky811.com
PER KENTUCKY STATE STATUTE, IT IS ILLEGAL TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

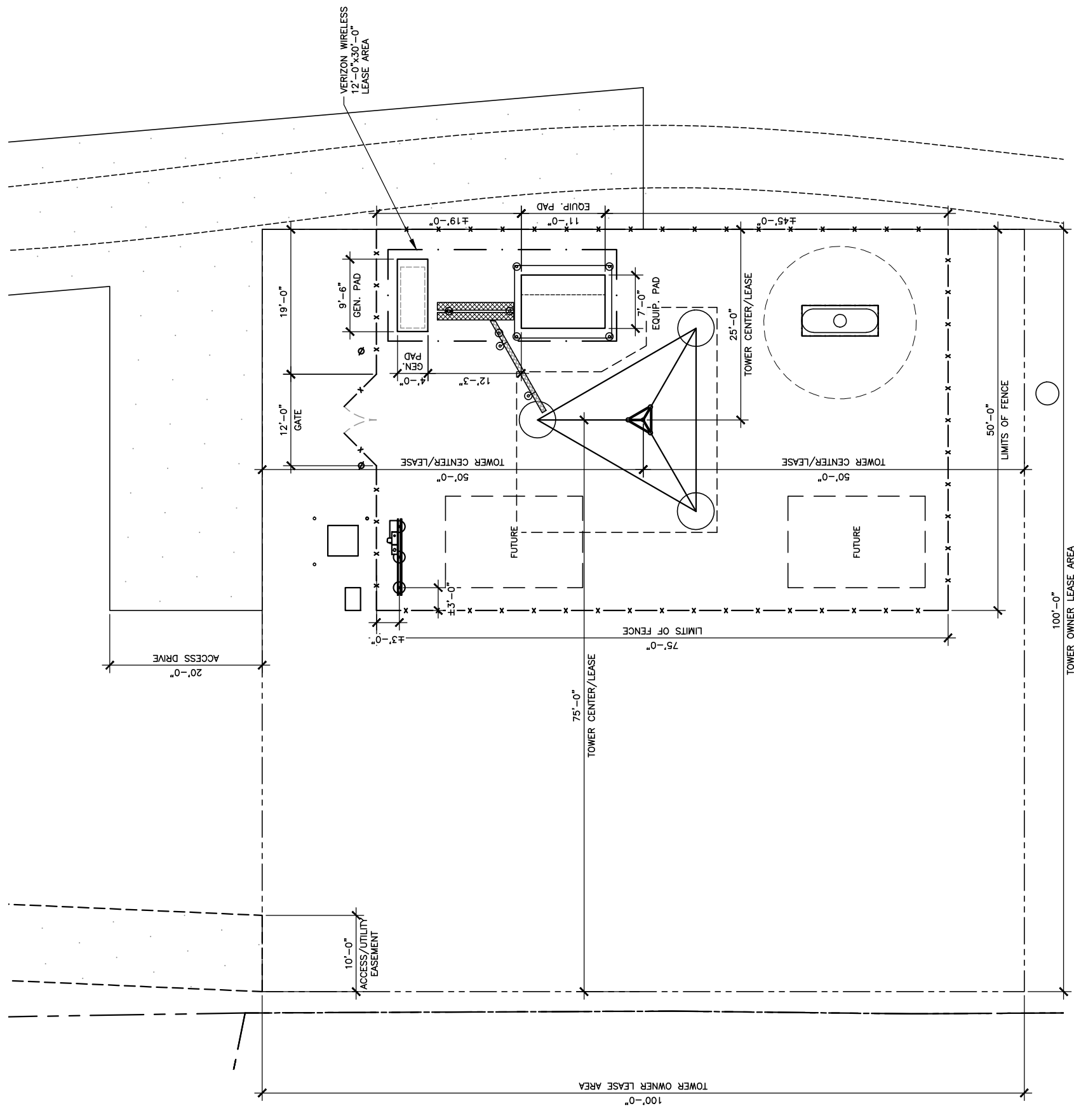
SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
DIMENSIONED SITE PLAN

SHEET NUMBER:
C-4
MK PLO & CANOPY REV 3 FINAL 10/16/23



LEGEND

- IRON PIN
- DRAINAGE LINE
- SPOT ELEVATION
- GRAVEL COMPOUND
- CENTER LINE
- NEW FENCE LINE
- NEW SILT FENCE LINE
- POWER POLEW/OVERHEAD ELEC./TELE.
- EDGE OF NEW DRIVE
- UNDERGROUND ELECTRICAL CONDUIT
- UNDERGROUND TELEPHONE CONDUIT
- EXISTING CONTOURS
- NEW CONTOURS
- NEW LEASE AREA AND EASEMENT
- FENCED COMPOUND
- CONCRETE
- ACCESS DRIVE



DIMENSIONED SITE PLAN

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

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Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE STATE OF KENTUCKY AT LEAST 48 HOURS BEFORE COMMENCING WORK.

GENERAL SITE CONSTRUCTION NOTES

1. SCHEDULE

THE CONSTRUCTION OF THE SITE REQUIRES A CERTAIN SEQUENCE OF EVENTS TO MINIMIZE CONSTRUCTION TIME REQUIRED UNTIL AVAILABILITY OF CELLULAR TELEPHONE SERVICE. VERIFY SCHEDULE DURING BID WALK.

2. TOWER OWNER REPRESENTATIVE:

TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
PHONE: (659) 544-5000

PROPERTY OWNER REPRESENTATIVE:

CLYDE & MAGDALENE COLLINS

3. ANTENNA INSTALLATION:

THE VERIZON WIRELESS CONTRACTOR (VZW GC) INSTALLING THE FRAME/PLATFORM SHALL ENSURE THAT THE PLATFORM IS ALIGNED BASED ON THE VERIZON WIRELESS RF PLAN. DURING THE WORK, THE GENERAL CONTRACTOR SHALL BE LIMITED TO THE WORK WHICH CAN BE PERFORMED OUTSIDE THE VICINITY OF THE TOWER.

4. ACCESS DRIVEWAY:

THE GENERAL CONTRACTOR SHALL CONSTRUCT THE ACCESS DRIVE PER THE ALIGNMENT AS SHOWN ON THESE DRAWINGS. IF ANY AREA OF CONSTRUCTION REQUIRES ADDITIONAL FILL OF AGGREGATE STONE THAN SHOWN ON THE DRAWINGS, THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER FOR APPROVAL OF THE SIZE, TYPE AND QUANTITY OF STONE/FILL NECESSARY AND SHALL NOT BE USED UNTIL APPROVAL BY THE ENGINEER. THE GENERAL CONTRACTOR SHALL ALSO OBTAIN DRIVE PERMIT FOR NEW ACCESS DRIVE.

5. PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR:

THIS VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS FOR THE PROPER LIFTING, TRANSPORTING AND ASSEMBLY OF THE PREFABRICATED EQUIPMENT CABINETS FROM THE TRANSPORT TRUCK BED TO THE FINAL POSITION. THE EQUIPMENT CABINETS SHALL BE LIFTED INTO PLACE ON THE CONCRETE EQUIPMENT PAD. THE GENERATOR SHALL BE LIFTED INTO PLACE BY USING TWO SPREADER BAR ASSEMBLIES. EACH SPREADER BAR SHALL BE A MINIMUM 3" WIDE (RATED TO CARRY 3 TONS). THE GENERATOR WEIGHT IS 1,425# WITH TANK PEDESTAL. VERIZON WIRELESS CONTRACTOR (VZW GC) SHALL ANCHOR THE EQUIPMENT CABINETS AND GENERATOR BASE TO THE CONCRETE SLAB USING ANCHOR BOLTS. EXTREME CAUTION SHALL BE TAKEN IN THE INSTALLATION OF ALL EQUIPMENT TO AVOID CONTACT WITH EXISTING OVERHEAD UTILITY LINES.

THE VERIZON WIRELESS CONTRACTOR (VZW GC) IS RESPONSIBLE FOR ATTACHING, SECURING OR ASSEMBLING ANY NECESSARY LOOSE ITEMS THAT ARE SUPPLIED WITH THE PREFABRICATED EQUIPMENT CABINETS, CANOPY AND GENERATOR AND SHALL INCLUDE THIS WORK IN THE VZW EQUIPMENT INSTALLATION PORTION OF THE BID.

6. UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXCAVATION AND PROPER BACKFILLING OF TRENCHES AND SUPPLY CONDUIT REQUIRED FOR UNDERGROUND TELEPHONE & ELECTRICAL UTILITIES. ALL TRENCHING SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE W/ASTM D-1557.

THE CONTRACTOR SHALL RUN AN ELECTRICAL TRENCH WITH 2 1/2" CONDUIT AND DETECTABLE PULL TAPE FROM THE NEW RADIO EQUIPMENT PAD AND END AT THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL THEN RUN (2) TWO 4" CONDUIT WITH PULL TAPE FROM THE METER BOARD TO THE NEW PAD MOUNTED TRANSFORMER LOCATION AND STUB UP 6" ABOVE GRADE. THE ELECTRICAL PROVIDER WILL THEN RUN UNDERGROUND CONDUIT FROM THE NEW TRANSFORMER TO THE NEW UTILITY POLE. CONSTRUCTION TO VERIFY LOCATION OF CONDUIT AND TRANSFORMER. CONDUITS MUST HAVE A MINIMUM DEPTH OF 36". CONTRACTOR SHALL CONTACT ELECTRIC PROVIDER TO VERIFY THE METER BOARD LOCATION. THE CONTRACTOR SHALL PREPARE THE ELEC PROVIDER SHALL SUPPLY SERVICE TO THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL CONTACT ELECTRIC SERVICE ENERGY TO SETUP AN INSPECTION OF THE TRENCHES BEFORE THEY ARE BACKFILLED. THE CONTRACTOR SHALL PROPERLY BACKFILL THE TRENCHES AFTER INSPECTION AND SETTLEMENT. CONTACT ELECTRIC PROVIDER THREE TO FOUR WEEKS PRIOR TO CONSTRUCTION FOR NEW SERVICE AND COORDINATION OF ACCESS TO SITE. THE CONTRACTOR SHALL CONTACT ----- FOR A COPY OF THEIR SPECIFICATIONS BEFORE CONSTRUCTION

THE TOWER OWNER SHALL ENSURE PERMANENT ELECTRIC POWER IS AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE PRIOR TO THE SITE BEING RELEASED TO VERIZON WIRELESS AS TENANT READY.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL RUN ELECTRICAL CONDUCTORS FROM NEW METER CENTER TO NEW VZW INTEGRATED LOAD CENTER WITHIN TOWER OWNER INSTALLED 2 1/2" CONDUIT CONTACT ELECTRIC PROVIDER TO HAVE NEW METER INSTALLED.

THE VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR THE ORDERING AND COORDINATING THE DELIVERY OF A FIBER OPTIC SERVICE LINE TO THE RADIO EQUIPMENT ENCLOSURE. COORDINATE WITH THE FIBER PROVIDER AND THE VERIZON WIRELESS FACILITY ENGINEER.

- ONE 4" SDP-11.5 HDPE FIBER CONDUITS w/INTEGRATED INNERDUCTS SHALL BE INSTALLED FROM HANDHOLE OUTSIDE COMPOUND MEET POINT AT THE PUBLIC RIGHT-OF-WAY WITHIN UTILITY EASEMENT WITH PULL TAPE THE HANDHOLE MODEL AS FOLLOWS:
 - THE VERIZON FIBER CONDUIT HANDHOLES SHALL BE OLDCASTLE INFRASTRUCTURE MODEL 24361480-PC2436-30 T22 - VERIZON LOGO OR OLAZTIEHUBBELL POWER SYSTEMS MODEL PC24362185784 ASSY T22 SW OR 24x36x30 VERIZON V OR APPROVED EQUALS. ALTERNATIVE HANDHOLES MAY BE USED IF MEETING THE DESIGNATED LOADING AND HAVING DIMENSIONS OF AT LEAST 2'3"x2.5'. ALL VERIZON HANDHOLES TO HAVE "VERIZON" LOGO ON COVER.
 - BY THE GENERAL USE FIBER CONDUIT HANDHOLE SHALL BE A MODEL AS APPROVED BY THE CONSTRUCTION FIBER MANAGER.
- CONTRACTOR SHALL PLACE ADDITIONAL HANDHOLES ALONG ROUTE AS NECESSARY, SO THAT SPACING BETWEEN HANDHOLES IS NO GREATER THAN 500 FEET.
- CONTRACTOR SHALL PLACE (1) COPPERHEAD INDUSTRIES ORANGE TRACER WIRE (PART NO. 1230N-HS) OR APPROVED EQUIVALENT ABOVE PROPOSED FIBER CONDUIT(S)
- ONE 4" SDP-11.5 HDPE FIBER CONDUIT w/INTEGRATED INNERDUCTS SHALL BE INSTALLED FROM VERIZON WIRELESS ONLY HANDHOLE OUTSIDE COMPOUND TO VERIZON WIRELESS EQUIPMENT PAD LOCATION (PER PLANS)

ELECTRIC SERVICE PROVIDED BY: FIBER OPTIC SERVICE PROVIDED BY:

????????? POWER FIBER PROVIDER TO BE DETERMINED BY VERIZON WIRELESS

ADDRESS: STREET ADDRESS
CITY, ST ZIP CODE
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

7. SITE GRADING

A. UNIFORMLY GRADE AREA TO BE SMOOTH SURFACE FREE FROM IRREGULAR SURFACE CHANGES. COMPLY WITH COMPACTION REQUIREMENTS AND GRADE TO CROSS SECTION, TOPO LINES AND ELEVATIONS INDICATED.

1. COMPOUND SURFACE GRADES ARE TO BE SLOPED TO DIRECT WATER AWAY FROM EQUIPMENT PAD AND TOWER TO PREVENT STANDING AND PONDING WATER.

2. COMPOUND SURFACE SHALL BE COMPACTED TO A 95% MAXIMUM DRY DENSITY TO ALLOW PROPER STERILIZATION FOR ACCESS TO ALL CUSTOMERS DENSITY TESTING MAY BE REQUIRED AT VERIZON WIRELESS' DISCRETION DUE TO QUESTIONABLE COMPACTION OF FINISH SURFACE GRADE OR SUB-GRADE.

3. DITCHES/SWALES AROUND THE COMPOUND AREA AND ALONG ACCESS ROAD SHALL BE CONSTRUCTED SO TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING GRADES/SLOPE AND NEW PROPOSED GRADES.

4. SITE GRADING AND DRAINAGE SHOULD BE CONSTRUCTED TO PREVENT WATER FROM ENTERING THE COMPOUND SURFACE OR THE ACCESS ROAD SUB-GRADE.

B. MOISTURE CONTROL - UNIFORMLY MOISTEN OR AERATE SUB-GRADE AND EACH SUBSEQUENT FILL OR BACK-FILL LAYER BEFORE COMPACTION TO WITHIN 90% OF OPTIMUM MOISTURE CONTENT. DO NOT PLACE BACK-FILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST, SNOW OR ICE.

C. STOCKPILING MATERIAL (TOP SOIL OR FILL DIRT) - SHOULD BE PLACED IN AN AREA THAT CAN BE CONTROLLED TO PREVENT WATER, SNOW, OR ICE FROM EFFECTING MOISTURE CONTENT. STOCKPILES MAY HAVE TO BE COVERED TO PREVENT ADDITIONAL MOISTURE FROM ACCUMULATING SO ACCEPTABLE FILL CAN BE USED.

D. DE-WATERING - PREVENT SURFACE WATER AND SUBSURFACE OR GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUB-GRADE, AND FROM FLOODING PROJECT OR BUILD AREA.

E. EROSION CONTROL - MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

F. ALL INLETS, DRAINS, PIPES, SWELLS, AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.

F. GEOTEXTILE FABRIC - AFTER PLACEMENT AND COMPACTION OF FILL WITHIN THE WORK AREA AND BEFORE THE PLACEMENT OF LIMESTONE AGGREGATE. (SEE SITE AREA SURFACING DETAIL ON D-1). THE ENTIRE DISTURBED WORK AREA SHALL BE COVERED WITH A GEOTEXTILE FABRIC. THIS FABRIC SHALL BE "TENCATE (MIRAF 500X) WOVEN ENGINEERING FABRIC" INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.

8. TRASH REMOVAL & SANITATION:

THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL REMOVE ALL TRASH AS CREATED BY THEMSELVES AND THEIR SUBCONTRACTORS. DISPOSED AREA - THE GENERAL CONTRACTOR SHALL ALSO REMOVE ALL TRASH CREATED BY OTHER CONTRACTORS INCLUDING CABLE REELS, CARDBOARD BOXES AND PACKING. NO BURNING OR BURYING OF TRASH IS PERMITTED.

THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A PORTABLE TOILET FOR THE DURATION OF THE CONSTRUCTION PROJECT.

A. THE GENERAL CONTRACTOR SHALL VERIFY THE EQUIPMENT PAD FOUNDATION IS LOCATED CORRECTLY WITH RESPECT TO THE TOWER FOUNDATION. THE CONTRACTOR MUST NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO POURING CONCRETE.

B. TOWER & FOUNDATION DESIGN ARE BY OTHERS FOR TOWER OWNER. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY IN WRITING FROM TOWER OWNER THAT THE TOWER IS STRUCTURALLY SUFFICIENT TO SUPPORT ALL LOADINGS AS OUTLINED IN THESE DOCUMENTS. TOWER AND FOUNDATION DESIGN SHALL BE PERFORMED BY A LICENSED ENGINEER.

C. THE GENERAL CONTRACTOR SHALL VERIFY THE TOP OF FOUNDATION MATCHES THE FAA APPROVAL LETTER.

10. EXCAVATION OF UTILITIES:

A. FIELD VERIFY THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING IN THE VICINITY OF THE SITE. ALL EXCAVATIONS SHALL BE MADE BY HAND OVER OR UNDER OR IMMEDIATELY ADJACENT TO ANY EXISTING UTILITIES & GROUNDING.

B. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ON THIS PROJECT. CONTACT UNDERGROUND UTILITY PROTECTION SERVICE BEFORE YOU DIG AT 1-800-382-5644 OR 811.

C. EXISTING UTILITIES ARE SHOWN FROM THE SURVEY AND ARE NOT NECESSARILY COMPLETE AND ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, EXPOSE AND DETERMINE IF CONFLICTS EXIST WITH THE NEW IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER (A&E FIRM) IN ORDER TO RESOLVE ANY CONFLICTS.

11. CONTRACTOR'S LICENSE:

THE GENERAL CONTRACTOR, VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) AND ALL OF THEIR SUBCONTRACTORS THAT DO ANY WORK ON THIS PROJECT SHALL BE CURRENTLY LICENSED TO PERFORM WORK IN THE LOCATION OF THIS SITE. PROOF OF LICENSES SHALL BE SUPPLIED TO VERIZON WIRELESS PRIOR TO THE COMMENCEMENT OF ANY WORK.

12. SEEDING:

ALL DISTURBED AREAS SHALL BE REPAIRED AND SEEDED BY THE GENERAL CONTRACTOR, UNLESS OTHERWISE NOTED. SEED DISTURBED AREAS W/4 POUNDS/1000 SQ. FT. - 60% KENTUCKY BLUEGRASS, 18% CREEPING RED FESCUE, 22% ANNUAL RYEGRASS.

13. TRAFFIC CONTROL:

THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OR GOVERNING LOCAL AGENCIES.

14. CONSTRUCTION STAKING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING NEEDED TO COMPLETE ALL THE CONSTRUCTION SHOWN HEREON. CONTACT DESIGN ENGINEER TO SCHEDULE CONSTRUCTION STAKING.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PROPERTY RESULTING FROM THE CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO PAVEMENT, FINISHED GRADES, LANDSCAPING, BUILDINGS, SURVEY MARKERS, FIELD TILES, CULVERTS, ETC.

16. IN THE EVENT ANY DISCREPANCIES OR ERRORS ARE FOUND ON THESE PLANS OR ANY CONFLICT OR PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE GENERAL CONTRACTOR OR VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) FOR WORK HAVING TO BE REDONE FOR GRADE OR GEOMETRIC DISCREPANCIES IF NOTICE TO THE ENGINEER HAS NOT BEEN PROVIDED. THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS AS NECESSARY TO ACCOMPLISH THE INTENT OF THESE PLANS.

17. ALL SITE WORK AND CONSTRUCTION SHALL CONFORM TO ANY AND ALL APPLICABLE CODES AND VERIZON WIRELESS STANDARDS AND SPECIFICATIONS.

18. ALL ELEVATIONS AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM A SURVEY SUPPLIED TO AGE FIRM BY SURVEYING FIRM. AGE FIRM HAS NOT VERIFIED THIS INFORMATION AND DOES NOT WARRANT ANY INFORMATION SUPPLIED BY OTHERS.

19. THE GENERAL CONTRACTOR SHALL MAINTAIN A COMPLETE AS-BUILT SET OF PLANS AND CONDITIONS TO BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION. AS-BUILT PLANS SUBMITTED TO THE ENGINEER SHALL INCLUDE A DRAWING WITH DIMENSIONS SHOWING THE LOCATION OF THE UNDERGROUND UTILITIES, A GROUNDING GRID EQUIPMENT PAD, TOWER FOUNDATION, TOWER PLATFORM ORIENTATION, AND FENCE WITHIN THE LEASE AREA OR PROPERTY AND BE CERTIFIED BY A LICENSED PROFESSIONAL SURVEYOR.

20. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION OF ALL GOVERNING AGENCIES THAT REQUIRE SITE INSPECTION OF THE WORK AND/OR SIMPLY NOTIFICATION.

21. THE GENERAL CONTRACTOR AND VERIZON WIRELESS GENERAL CONTRACTOR (VZW GC) SHALL BE RESPONSIBLE FOR NOTIFICATION AND COORDINATION OF ALL TESTING AGENCIES THAT REQUIRE SITE INSPECTION OR TESTING OF THE WORK AS DIRECTED IN THESE PLANS, GOVERNING AGENCIES AND ALL APPLICABLE CODES.

22. PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ALL CONSTRUCTION DOCUMENTS TO INCLUDE, BUT NOT LIMITED TO, GEOTECHNICAL REPORT, STRUCTURAL ANALYSIS, TOWER, MECHANICAL AND ELECTRICAL DRAWINGS, FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.

24. WORK SITE SAFETY:

A. CONSTRUCTION WORK PRESENTS UNIQUE THREATS TO HEALTH AND SAFETY. THE CONTRACTOR AND VERIZON WIRELESS CONTRACTOR (VZW GC) ARE RESPONSIBLE TO EDUCATE THEIR WORK FORCE OF THESE DANGERS AND LIMIT THEIR EXPOSURE TO HAZARDS. THIS EDUCATION SHALL INCLUDE BUT NOT BE LIMITED TO APPLICABLE TRAINING COURSES AND CERTIFICATIONS, PROPER PERSONAL PROTECTIVE EQUIPMENT USAGE, DAILY TALKGATE MEETINGS AND ANY OTHER PREVENTATIVE MEASURES WHICH MAY BE REASONABLY EXPECTED. THE CONTRACTOR, VERIZON WIRELESS CONTRACTOR (VZW GC) AND ALL SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA, ADJACENT AREAS AND ANY PROPERTY OCCUPANTS WHO MAY BE AFFECTED BY THE WORK UNDER CONTRACT. ALL CONTRACTORS SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.

B. TOWER WORK PRESENTS ADDITIONAL THREATS TO HEALTH AND SAFETY. ALL TOWER WORKERS WORKING ON A TOWER MUST BE ADEQUATELY TRAINED AND MONITORED TO ENSURE THAT SAFE WORK PRACTICES ARE LEARNED AND FOLLOWED. AS REQUIRED BY OSHA, WHEN WORKING ON EXISTING COMMUNICATION TOWERS, EMPLOYEES MUST BE PROVIDED WITH APPROPRIATE FALL PROTECTION, TRAINED TO USE THIS FALL PROTECTION PROPERLY, AND THE USE OF FALL PROTECTION MUST BE CONSISTENTLY SUPERVISED AND ENFORCED BY THE CONTRACTOR.

C. ALL SAFETY EQUIPMENT SHALL BE INSPECTED ACCORDING TO ALL OSHA AND INDUSTRY SCHEDULED INTERVALS AND ALL INSPECTIONS SHALL BE DOCUMENTED PER APPLICABLE CODES AND STANDARDS.

REV	DATE	DESCRIPTION
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SITE INFORMATION: LV MT VERNON EAST

321 FROSTY HOLLOW ROAD
MT VERNON, KY 40466
ROCK CASTLE COUNTY

SITE NUMBER:

721772

SITE NAME:

LV MT VERNON EAST

PID NUMBER:

16913443

DRAWN BY:

RC

CHECKED BY:

PL

DATE:

10.25.23

SHEET TITLE:

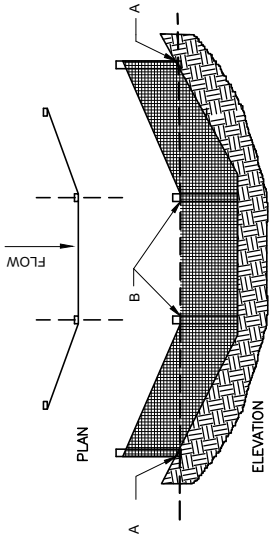
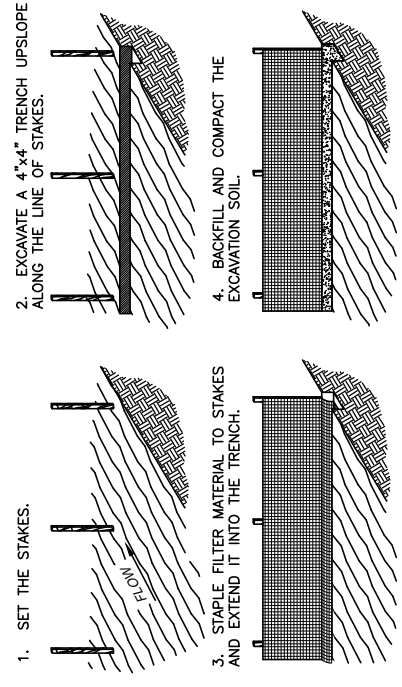
GENERAL SITE
CONSTRUCTION NOTES

SHEET NUMBER:

C-6

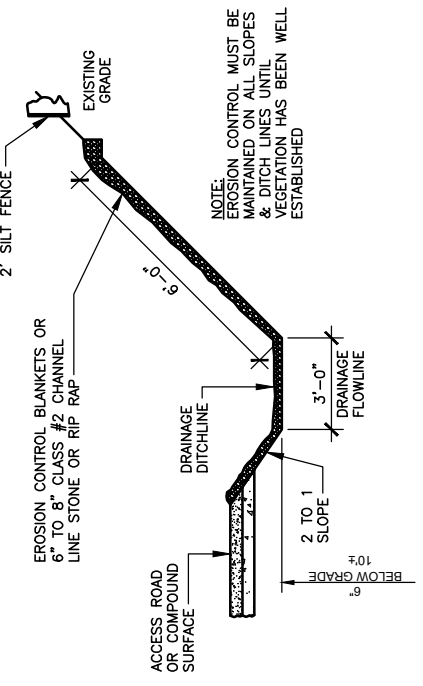
EROSION & SEDIMENT CONTROL NOTES

1. ALL WORK SPECIFIED AS A/AN DOT ITEM SHALL BE GOVERNED BY THE STATE OF INDIANA HANDBOOK OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION. IT IS CONTRACTOR'S RESPONSIBILITY TO POSSESS AND BE FAMILIAR WITH APPLICABLE SECTIONS.
2. THIS CONTRACT DRAWING SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION PREVENTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
3. ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
4. PLANT TEMPORARY SEEDING AND MULCHING IN ALL AREAS THAT SHALL BE INACTIVE FOR 7 DAYS OR MORE. ALL DISTURBED AND ERODED EARTH SHALL BE REGRADED AND SEEDED WITHIN 14 DAYS WITH SEEDING, AS DEFINED ABOVE AND AS SHOWN ON THE TABLE BELOW. TO ESTABLISH STABILITY AND PROVIDE SEDIMENT CONTROL, WHERE POSSIBLE, TEMPORARY SEEDING GROWTH SHALL NOT BE MOWED UNTIL IT HAS GONE TO SEED FOR 1 YEAR.



SILT FENCE DETAIL 2

SCALE: N.T.S.

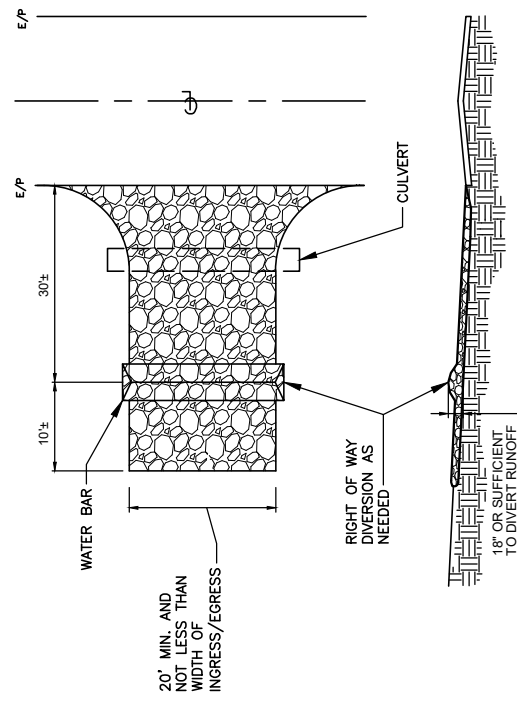


NOTES:

1. WHEN FACED WITH SLOPES LESS THAN 2 TO 1 SLOPES, ALL SLOPES SHOULD BE DOZER TRACKED PRIOR TO SEEDING. ALL SLOPES SHOULD HAVE EROSION CONTROL BLANKETS OR RIP RAP EMBEDDED ON SLOPE SURFACES TO REDUCE EROSION.
2. ALL FLOWLINES MUST BE INSTALLED BELOW SUB-GRADE OF COMPOUND. (AT MINIMUM OF 6" BELOW)

DRAINAGE DITCHLINE DETAIL (SWALE) 3

SCALE: N.T.S.



NOTES:

1. STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
3. PAVEMENT THICKNESS - STONE LAYER SHALL BE AT LEAST 6" THICK.
4. DRIVEWAY WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
5. BEDDING - A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LBS. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LBS.
6. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND, MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF OS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
9. CONSTRUCTIONS ENTRANCES SHALL NOT BE RELIED UPON TO PREVENT MUD AND SAND FROM ENTERING THE SITE. TRACKING VEHICLES, TRAILERS, AND TRAILERS WITH LOADS SHALL BE RESTRICTED FROM MUDDY AREAS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE 1

SCALE: N.T.S.



REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
 DRAWN BY: RC
 CHECKED BY: PL
 DATE: 10.25.23

SHEET TITLE:
BEST MANAGEMENT PRACTICES & EROSION CONTROL DETAILS AND NOTES

SHEET NUMBER:
C-7



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

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DATE: 10.25.23

SHEET TITLE:

FENCE DETAILS AND NOTES

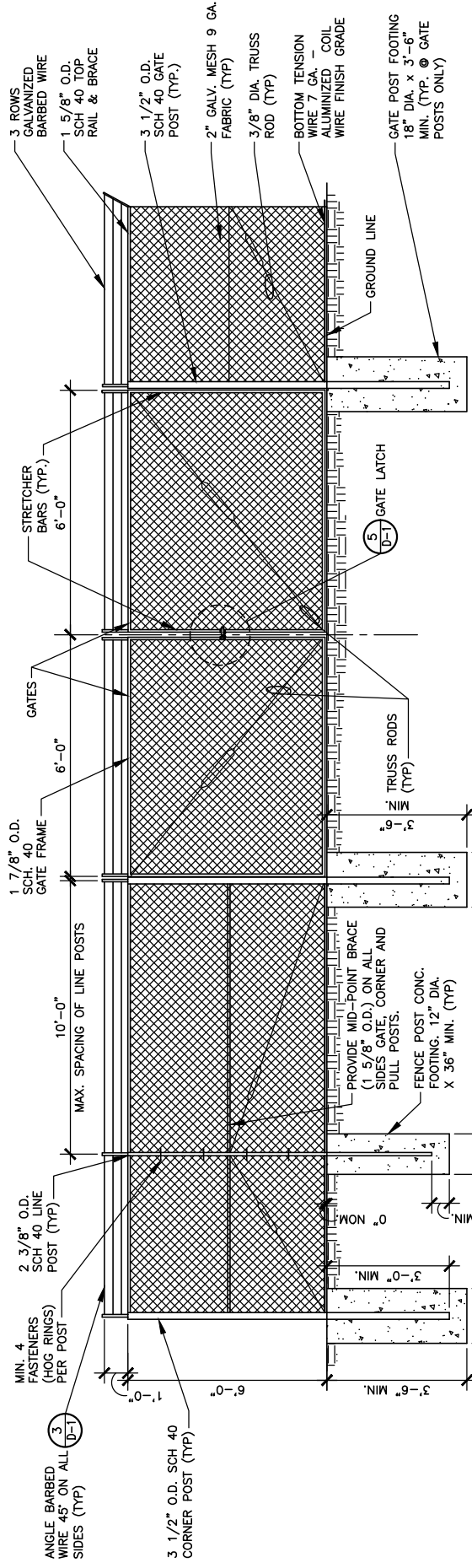
SHEET NUMBER:

D-1

WK PWD & CANOPY REV 3 FINAL 10/16/23

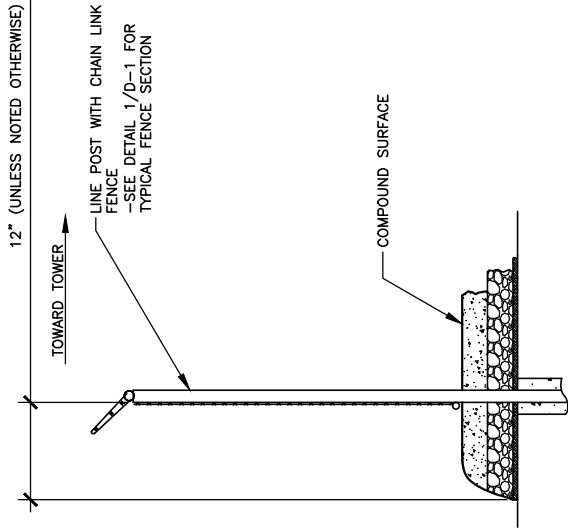
CHAIN LINK FENCING NOTES

- ALL FENCE AND FABRIC SHALL BE HOT DIPPED GALVANIZED WITH A MINIMUM OF 2 OZ. PER SQUARE FOOT, 9 GAUGE WIRE (MIN. BREAKING STRENGTH OF 1,290 LBS) WITH 2" MESH. ALL BARBED WIRE SHALL BE ALUMINUM OR COATED PER NOTE #4.
- BOTTOM EDGE OF FENCE FABRIC SHALL EXTEND TO FINISHED GRADE.
- SITE FENCE SHALL BE 6'-0" FABRIC W/ 3 STRAND BARBED WIRE FOR TOTAL HEIGHT OF 7'-0".
- BARBED WIRE SHALL MEET ASTM A 121, CLASS 3 GALV. OR ASTM A 585, TYPE 1, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND SHALL BE THREE STRAND 12.5 GAUGE W/4 POINT BARS AT 5" O/C.
- BOTTOM OF CONCRETE BASE SHALL BE SET BELOW FROSTLINE (SEE LOCAL CODE). WHERE SOIL BEARING CAPACITY IS LESS THAN 2000 PSF, INCREASE CONCRETE SURROUNDING FENCE POST FOUNDATION DIAMETERS BY 6". PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI (MIN.)
- PROVIDE A DIAGONAL BRACE ROD AND TURN BUCKLE ON BOTH GATE LEAFS.
- ALL RAILS AND BRACES SHALL BE SCHEDULE 40 STEEL PIPE, AND ALL FENCE POSTS SHALL BE SCHEDULE 40 STEEL PIPE, AND BE 2 OZ. GALVANIZED COATED.
- CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
- ALL FENCE SHALL BE FABRICATED AND INSTALLED PER ASTM F2611-15, ASTM F567-14g AND CHAIN LINK FENCE MANUFACTURES INSTITUTE CLFMI-PM 2445.
- CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) MASTER LOCK LONG SHANK #175LH COMBINATION PADLOCK. COMBINATION TO BE SET AT 7011.

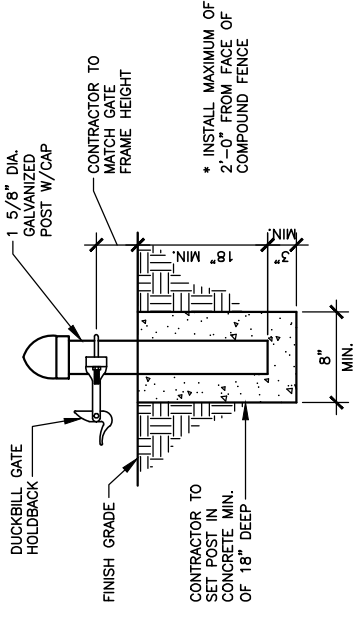


1
CHAIN LINK FENCE & POST DETAIL
SCALE: N.T.S.

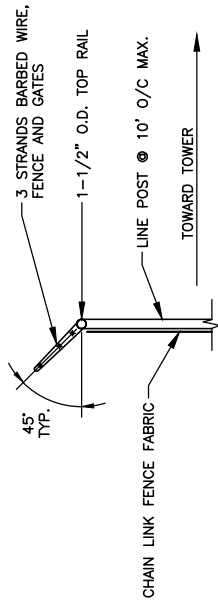
12" (UNLESS NOTED OTHERWISE)



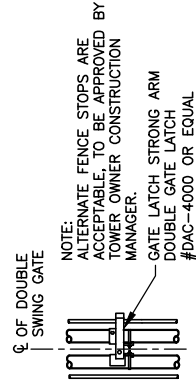
2
SITE AREA SURFACING
SCALE: N.T.S.



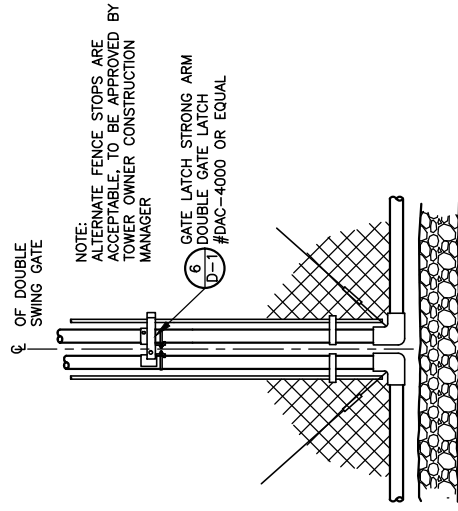
4
GATE KEEPER DETAIL
SCALE: N.T.S.



3
TYPICAL BARBED WIRE DETAIL
SCALE: N.T.S.



6
GATE LATCH DETAIL
SCALE: N.T.S.



5
GATE LATCH DETAIL
SCALE: N.T.S.



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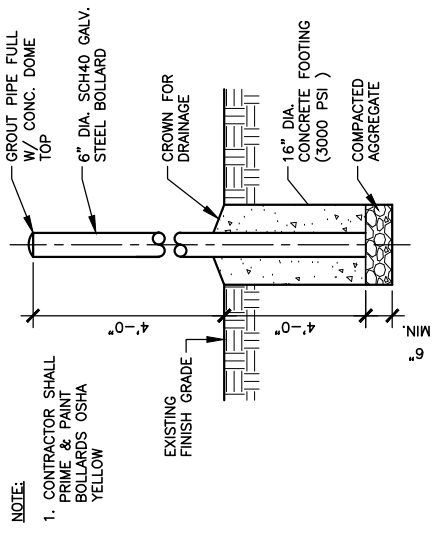
SITE NUMBER:
721772

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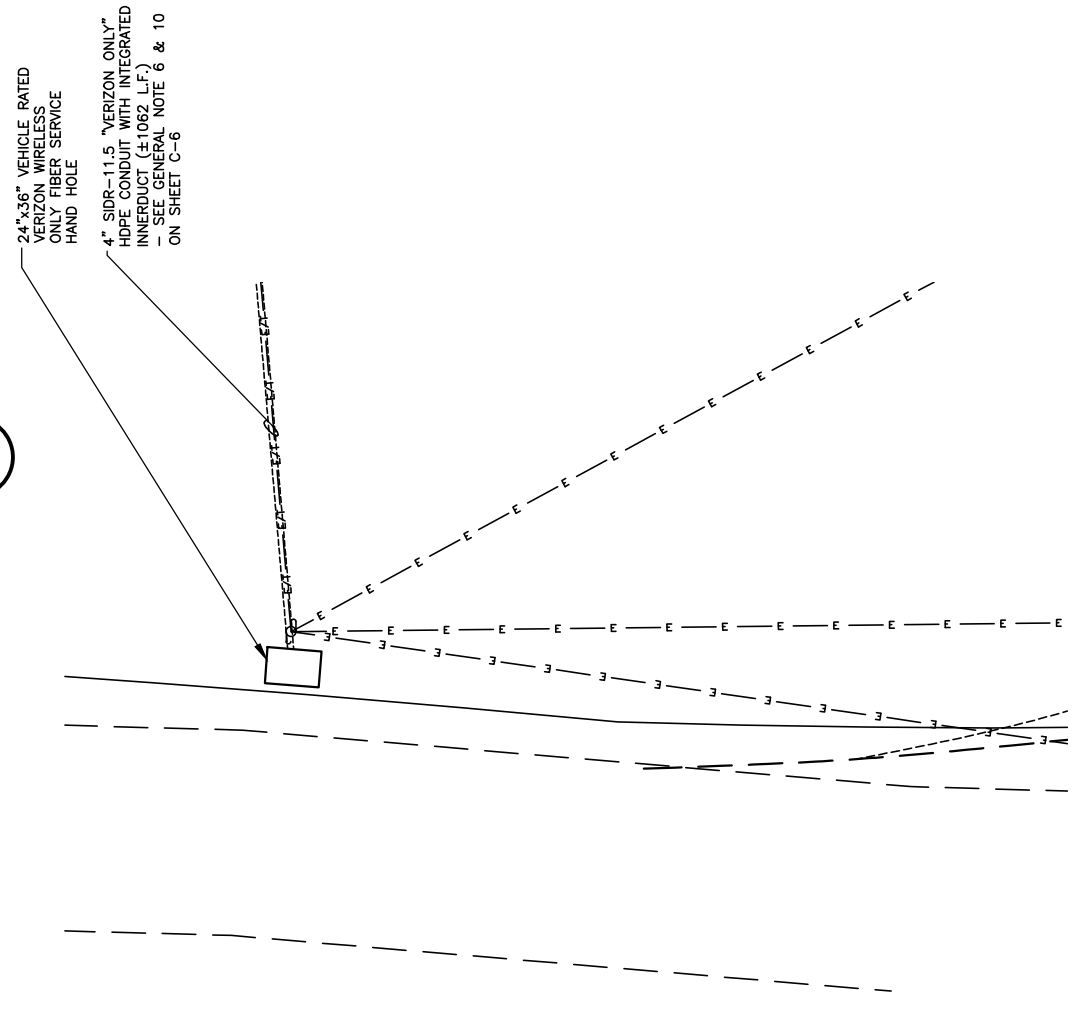
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DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:
D-2
MK PWD & CANOPY REV. 3 FINAL 10/16/23

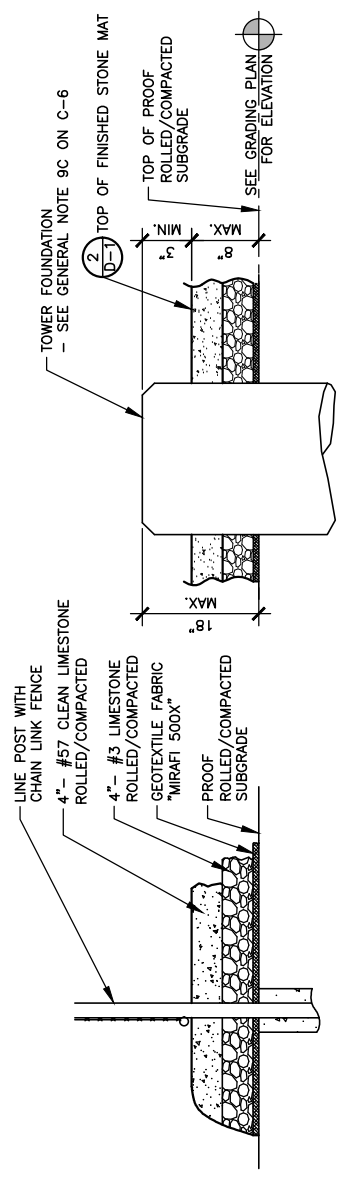


4
D-2

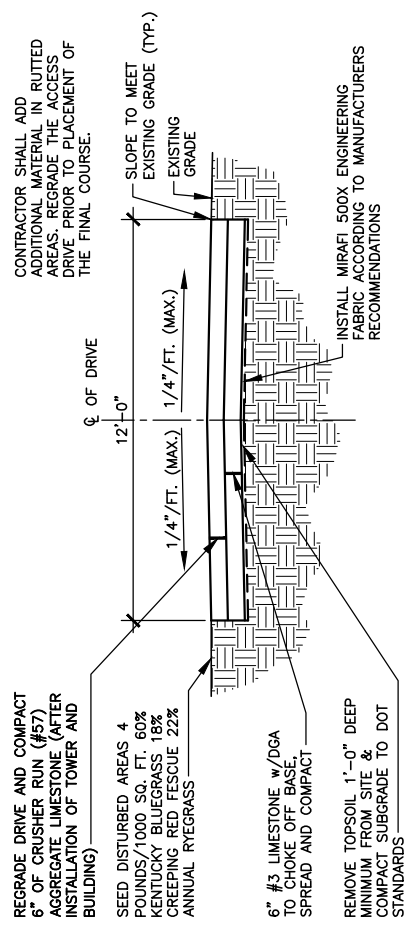


5
D-2

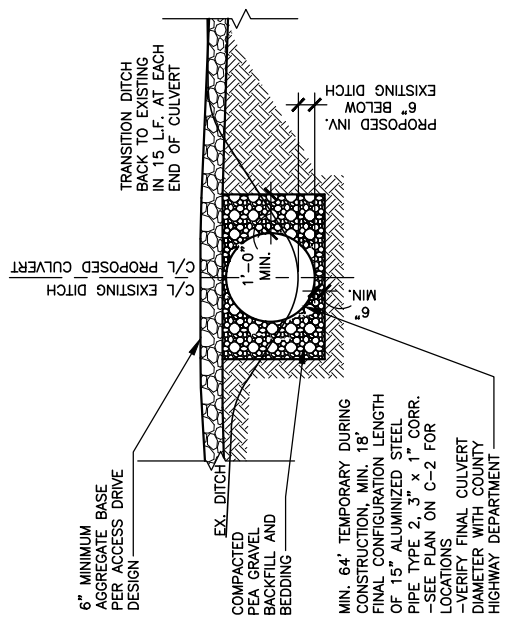
ENLARGED FIBER HAND HOLE PLAN AT R.O.W.
SCALE: 3/32" = 1'-0"



1
D-2



2
D-2



3
D-2

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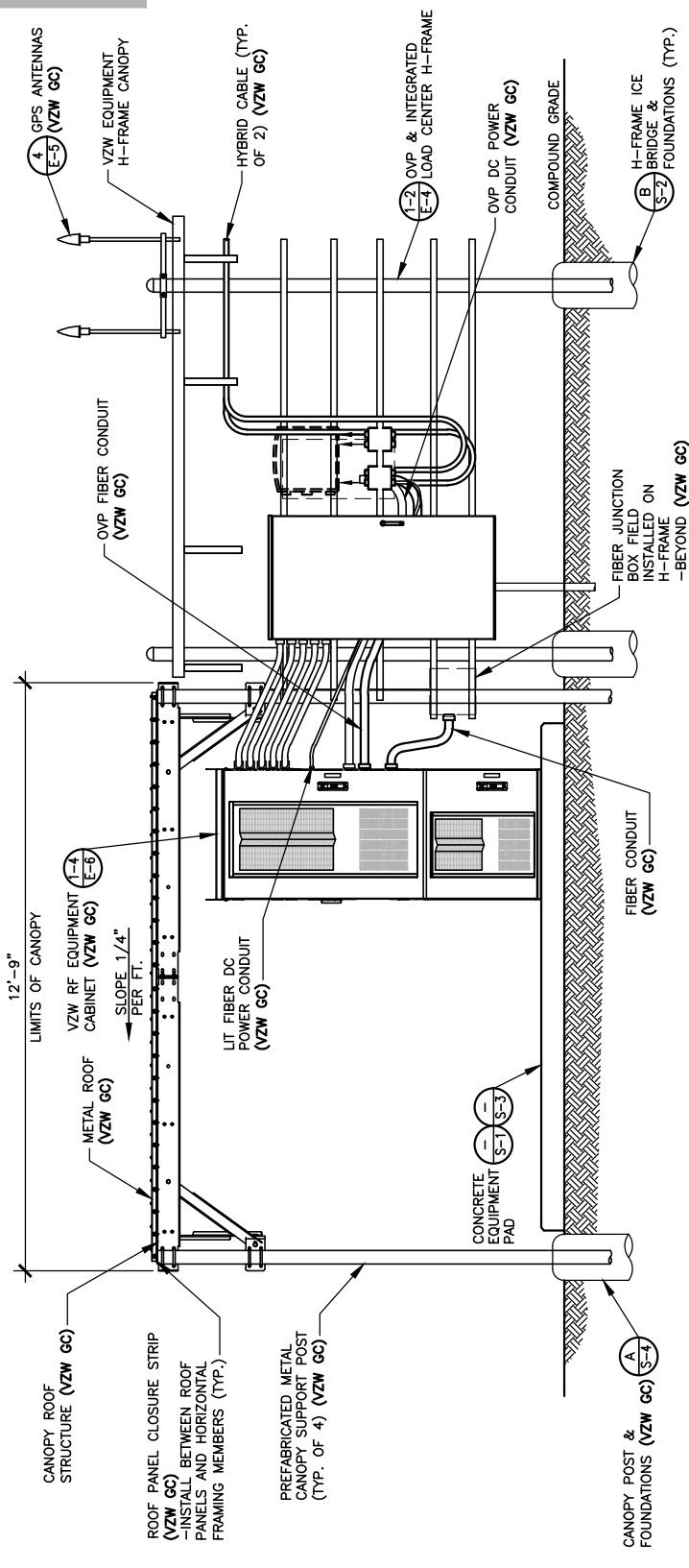
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PID NUMBER: 16913443
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DATE: 10.25.23

SHEET TITLE:
EQUIPMENT PAD & CANOPY ELEVATIONS

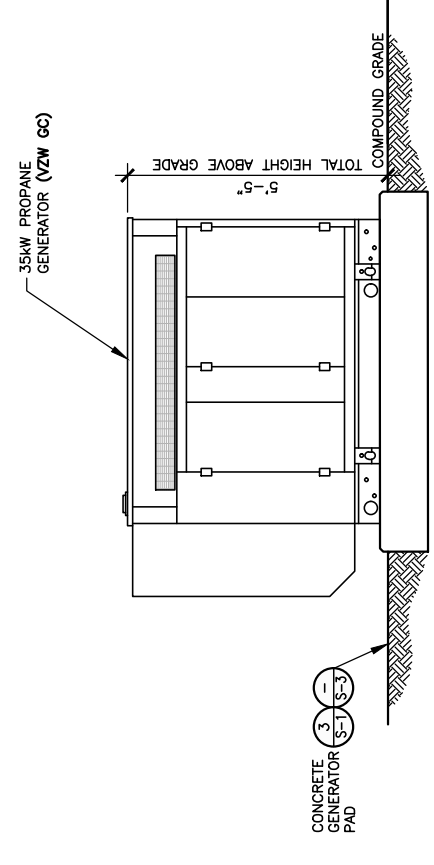
SHEET NUMBER:
D-3
 MK PAD & CANOPY REV. 3 FINAL 10/16/23

NOTE:
 CANOPY ROOF PANELS PROFILE R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL CLOSURE STRIP TO MATCH PROFILE. AS MANUFACTURED BY: SEALITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)

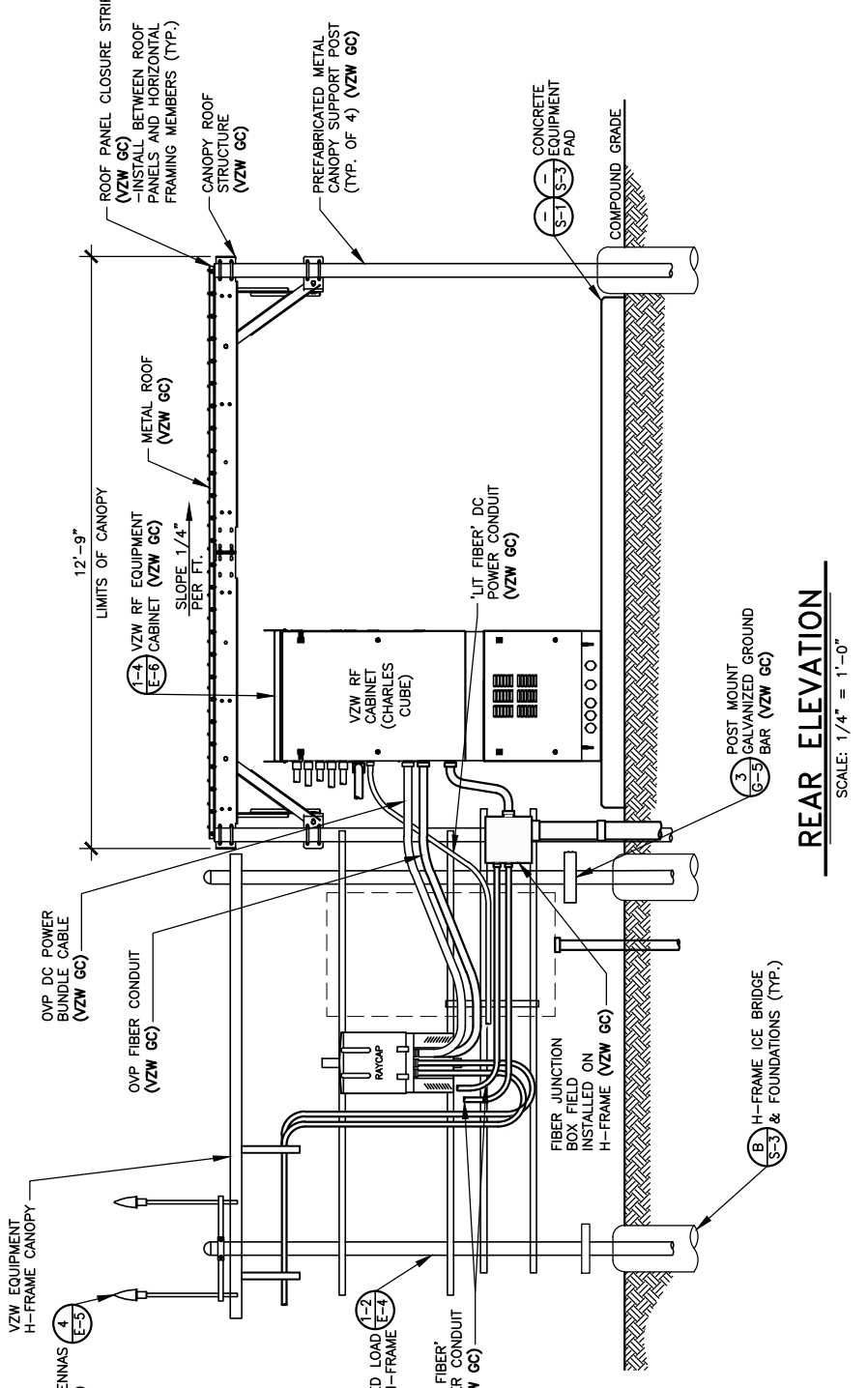


FRONT ELEVATION
 SCALE: 1/4" = 1'-0"

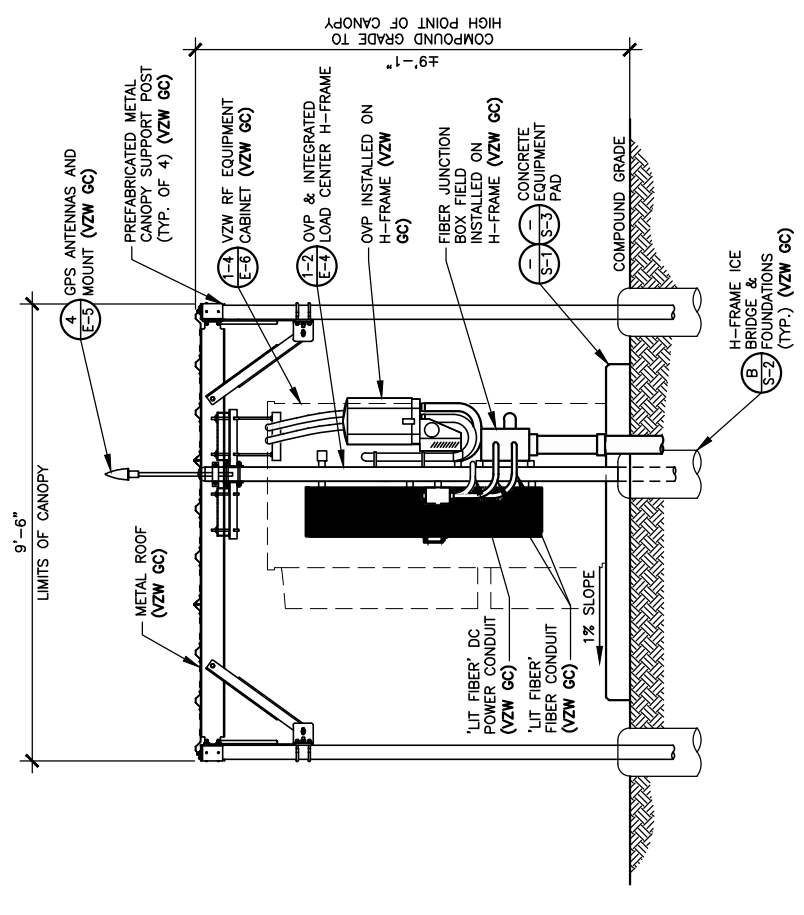
NOTE:
 VERIZON WIRELESS 9'-6"x12'-9" RADIO EQUIPMENT CANOPY (CANOPY DWGS. SUPPLIED BY MANUFACTURER) (VZW GC) -COMMSCOPE P/N EQ-P0182-RC-B



GENERATOR ELEVATION
 SCALE: 1/4" = 1'-0"



REAR ELEVATION
 SCALE: 1/4" = 1'-0"



RIGHT ELEVATION
 SCALE: 1/4" = 1'-0"

STANDARD SITE SIGNAGE:

REQUIRED SIGNS:	LOCATIONS:
(C1) • N.O.C. "IN CASE OF EMERGENCY"	FRONT ACCESS DOOR OF CABINET (SEE FIGURE 1)
(C2) • NOTICE (CONTACT INFO)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
(C3) • COMBINATION WARNING (SEE NOTE 2)	INSIDE FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES
(C4) • COMBINATION WARNING (SEE NOTE 2)	
(C5) • S.D.S.	

-N.O.C. STANDS FOR "NETWORK OPERATIONS CENTER"
 -S.D.S. STANDS FOR "SAFETY DATA SHEET"

NOTES:

- CONTRACTOR SHALL INSTALL ALL SIGNS ON THE FRONT OF EACH CABINET. ALL SIGNS CAN BE PLACED ON ONLY THE UPPER DOOR, IF SPACE IS AVAILABLE.
- CONTRACTOR SHALL INSTALL SIGN C3 OR C4 BASED ON THE TYPE OF BATTERY THAT IS BEING INSTALLED.



(C1)



(C2)



(C3)



(C4)



(C5)



FRONT

REAR

FIGURE 1 - EQUIPMENT CABINET SIGNAGE



FIGURE 5 - EME SIGN



FIGURE 3 - TOWER A.S.R. SIGN




FIGURE 4 - FENCE COMPOUND A.S.R. SIGN




FIGURE 6 - DRIVEWAY A.S.R. SIGN

PROPERANE GENERATOR


REQUIRED SIGNS:	LOCATIONS:
(P1) • "DANGER PROPERANE"	INSTALL ON PROPERANE TANK (SEE FIGURE 7)
(P2) • HAZARD DIAMOND	
(P3) • NOTICE SIGN	INSTALL ON GENERATOR



(P1)



(P2)



(P3)

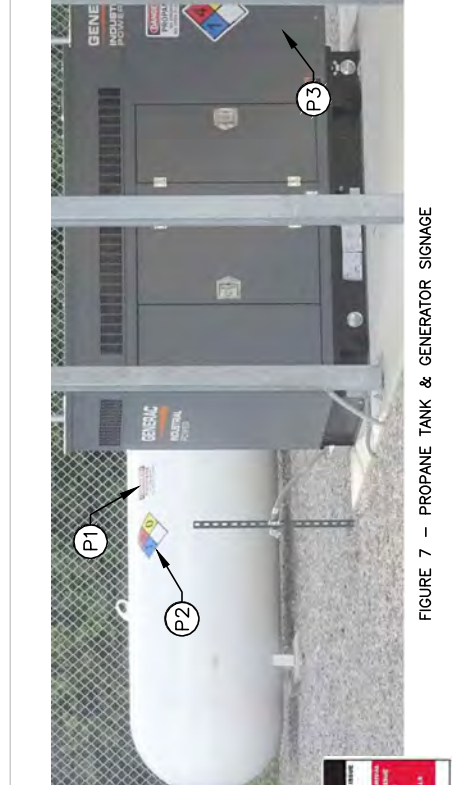


FIGURE 7 - PROPERANE TANK & GENERATOR SIGNAGE

E.M.E. SIGNAGE NOTES:

VZW GC SHALL VERIFY WITH THE VERIZON CONSTRUCTION MANAGER IF ANY E.M.E. SIGNAGE (SEE FIGURE 9) IF REQUIRED. ANY REQUIRED E.M.E. SIGNAGE WILL BE INSTALLED IN ACCORDANCE WITH THE SITE SPECIFIC PRE-E.M.E. REPORT AND MOUNT AS APPROPRIATE FOR THE SIGN LOCATION.



(E1)



(E2)



(E3)



(E4)

FIGURE 9 - TYPICAL E.M.E. SIGNAGE



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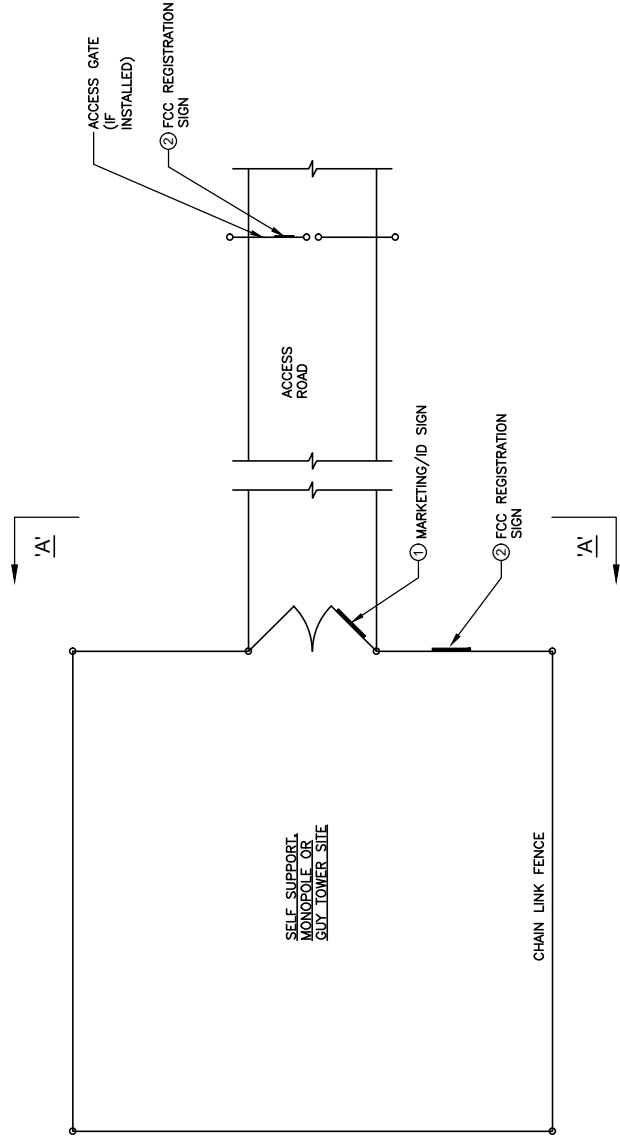
PID NUMBER: 16913443
 DRAWN BY: RC
 CHECKED BY: PL
 DATE: 10.25.23

SHEET TITLE:
 VERIZON WIRELESS SIGNAGE (REFERENCE ONLY)

SHEET NUMBER:
 D-4
 MK PM & CANOPY REV 3 FINAL 10/16/23

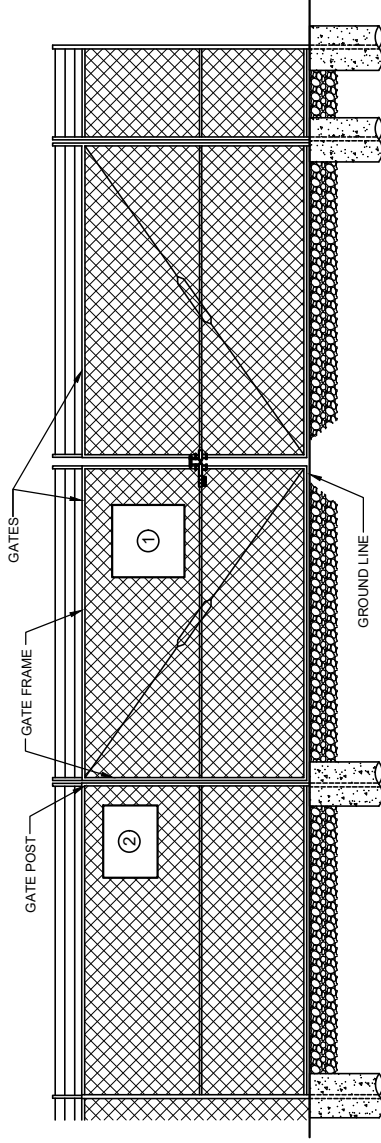
NOTES:

VERIZON WIRELESS SITE ID SIGN, REF SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONNEL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.



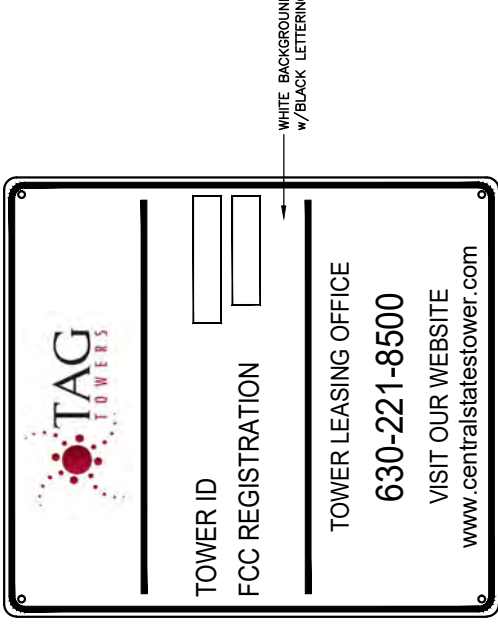
TYPICAL SITE FENCE SIGNAGE PLAN

SCALE: N. T. S.

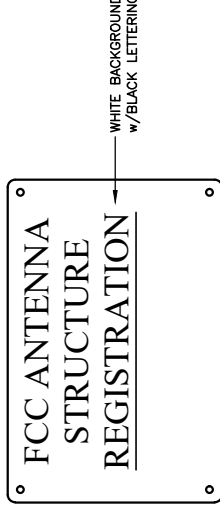


ELEVATION "A-A"

SCALE: N. T. S.



MARKETING/ID SIGN
24" WIDE x 24" HIGH



FCC REGISTRATION SIGN
24" WIDE x 18" HIGH



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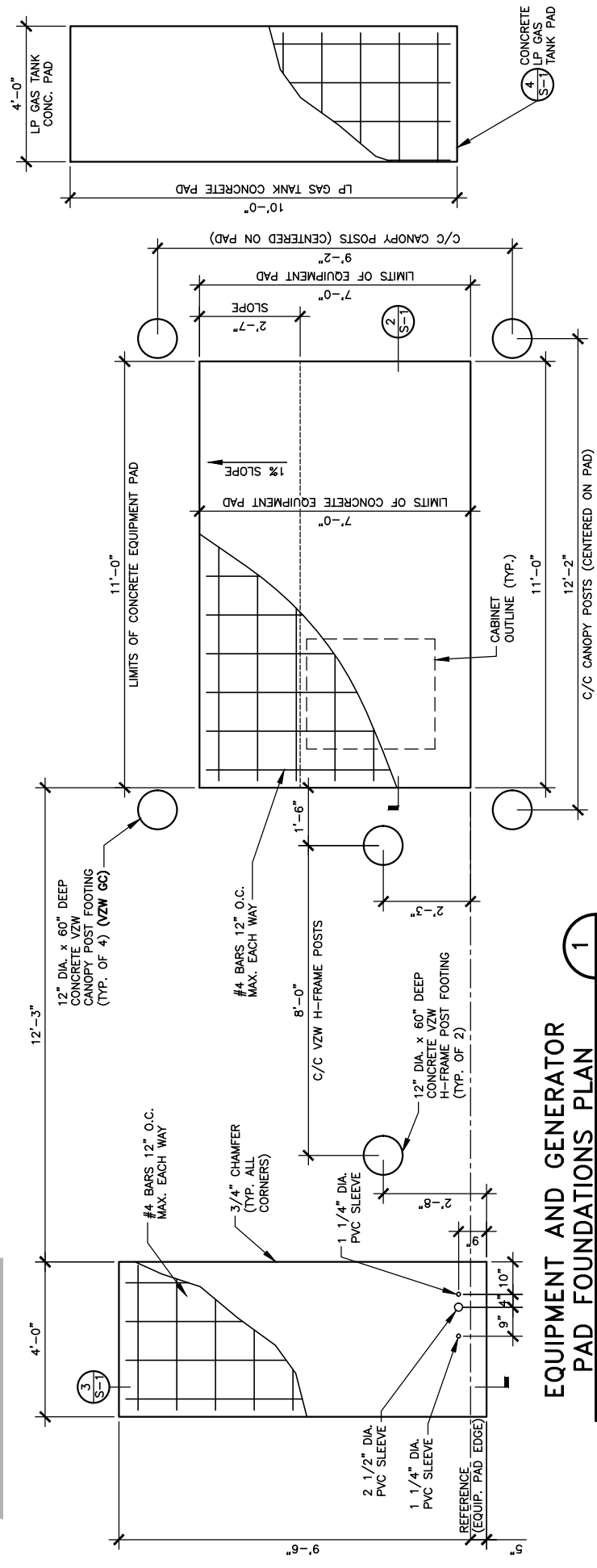
TOWER OWNER SITE
FENCE SIGNAGE
(REFERENCE ONLY)

SHEET NUMBER:

D-5

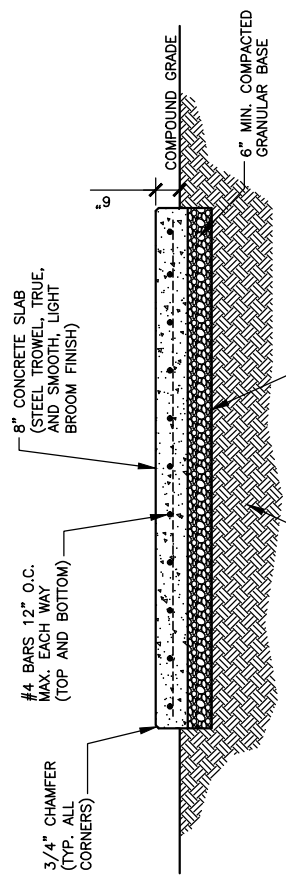
MK PWD & CANOPY REV. 3 FINAL 10/16/23

NOTE:
ALL GENERATOR CONDUITS SHALL BE INSTALLED AND CAPPED WEATHERTIGHT FOR FUTURE GENERATOR INSTALLATION IF REQUIRED



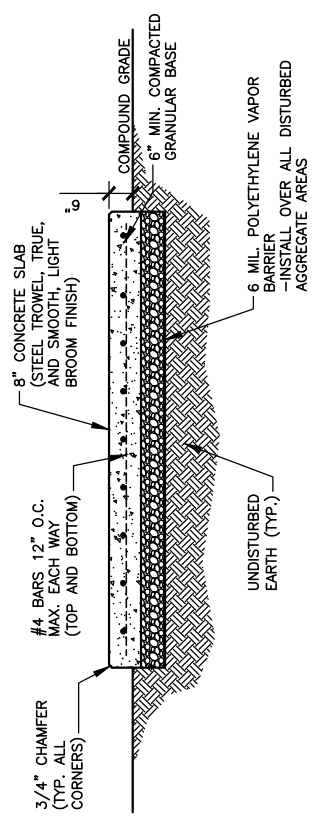
EQUIPMENT AND GENERATOR PAD FOUNDATIONS PLAN
SCALE: 1/4" = 1'-0"

1
S-1



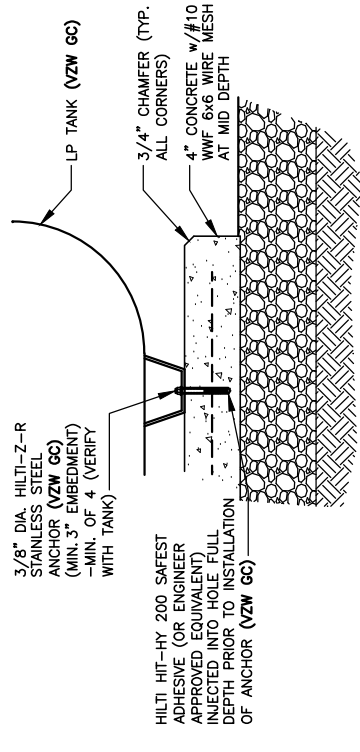
EQUIPMENT PAD FOUNDATION SECTION
SCALE: 1/4" = 1'-0"

2
S-1



GENERATOR PAD FOUNDATION SECTION
SCALE: 1/4" = 1'-0"

3
S-1



LP TANK PAD DETAIL
SCALE: N.T.S.

4
S-1

STRUCTURAL NOTES

- CANOPY SYSTEM DESIGN LOADINGS:**
ROOF SNOW LOAD 70 PSF
DEAD LOADS ACTUAL MATERIAL WEIGHTS
BASIC WIND SPEED 120 MPH
- DESIGN CODES**
INTERNATIONAL BUILDING CODE (IBC) 2015
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES ASCE7-10
OSHA REGULATIONS
- STRUCTURAL STEEL:**
PIPE - ASTM A53 TYPE E OR S GRADE B, OR ASTM A501.
STRUCTURE FINISH - AFTER FABRICATION ACCORDING TO ASTM A123.
- BUILDING FOUNDATION SYSTEM:**
THE SUBSURFACE REPORT WAS PROVIDED BY XYZ ENGINEERING, INC., DATED MONTH DAY, YEAR.
ALLOWABLE BEARING CAPACITY BLDG. FOOTINGS ***** PSF

ALL CONTRACTORS SHALL EXERCISE GREAT CARE DURING EXCAVATION. ALL CONTRACTORS SHALL DETERMINE UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY IF DEVIATION FROM PLANS EXIST.
THE SUBSURFACE REPORT IS NOT TO BE CONSIDERED AS A COMPLETE RECORD OF THE EXISTING CONDITIONS AT THE SITE. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, INCLUDING SUBSURFACE CONDITIONS. THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER PRIOR TO SITE ENTRY FOR THE PURPOSE OF CONDUCTING SOIL TESTING AND VERIFICATION OF EXISTING CONDITIONS.
FOUNDATION SUBGRADES SHALL BE HAND TRIMMED AND COMPACTED. ALL BACKFILL TO BE COMPACTED TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

- CONCRETE WORK:**
CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED BY A QUALIFIED CONCRETE TESTING COMPANY. THE GENERAL CONTRACTOR SHALL PROVIDE ONE (1) CYLINDER SAMPLE TAKEN PER TRUCK OR FOUR (4) TOTAL FOR BUILDING FOUNDATION AND THE CONCRETE MUST MEET A 4" SLUMP. THE GENERAL CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF TESTING RESULTS TO VERIZON WIRELESS AND TOWER OWNER CONSTRUCTION MANAGERS. FAILURE TO PROVIDE WRITTEN DOCUMENTATION WILL RESULT IN A DEDUCTION FROM THE CONTRACT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY ADDITIONAL COSTS IN TESTING DUE TO DELAYS BY THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS. USE AIR ENTRAINMENT IN EXTERIOR SLABS.
SPECIFICATIONS - LATEST EDITION OF ACI-318 AS ADOPTED BY THE STATE OF KENTUCKY - BLDG. FOUNDATION F_c = 4000 PSI @ 28 DAYS
MATERIALS - REINFORCING ASTM A615, GRADE 60
- ANCHOR BOLTS ASTM F1554 A36
REINFORCING COVERS - FOOTINGS 2"
TOP 2"
BOTTOM/SIDES 3"
REINFORCING EMBEDMENT AND LAP SPLICES (INCHES) FOR 4000 PSI CONCRETE

- BAR SIZE #4 ANCHORAGE 12" SPLICE (OTHER) 25" ANCHORAGE (TOP) SPLICE (TOP) 33"
CHAMFER TOP CORNERS OF ALL FOUNDATIONS (3/4")
- BURIED CABLE LOCATIONS INFORMATION**
CONTACT KENTUCKY 811 48 HR. PRIOR TO DIGGING, GRADING, OR DRILLING 1-800-752-6007 OR 811

- ADDITIONAL CONCRETE NOTES:**
- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI#96, "STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE" AND ACI 305, 306 AND 307 UNLESS NOTED OTHERWISE.
 - ALL DETAILING, FABRICATION AND PLACING OF CONCRETE SHALL CONFORM TO ACI 318-11.
 - ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 6% (±1%) AIR ENTRAINMENT.
 - PROVIDE CORNER BARS AT ALL LOCATIONS WHERE REINFORCEMENT CHANGES DIRECTION.



Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UTILITY LOCATIONS BEFORE COMMENCING WORK.



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FOUNDATION PLAN,
DETAILS AND
STRUCTURAL NOTES

SHEET NUMBER: S-1
MK PM & CANPY REV 3 FINAL 10/16/23



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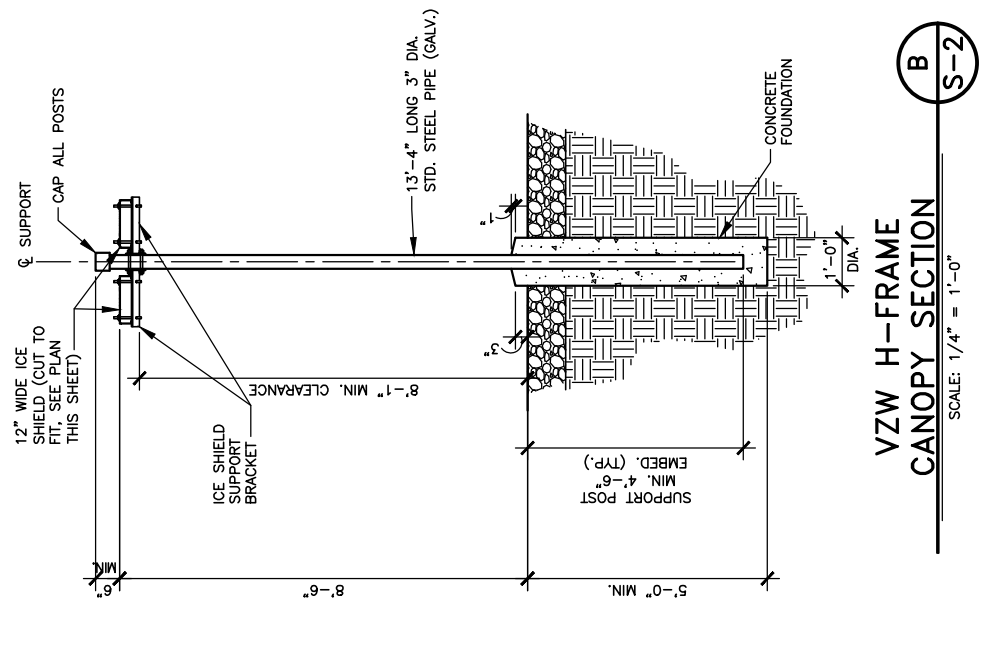
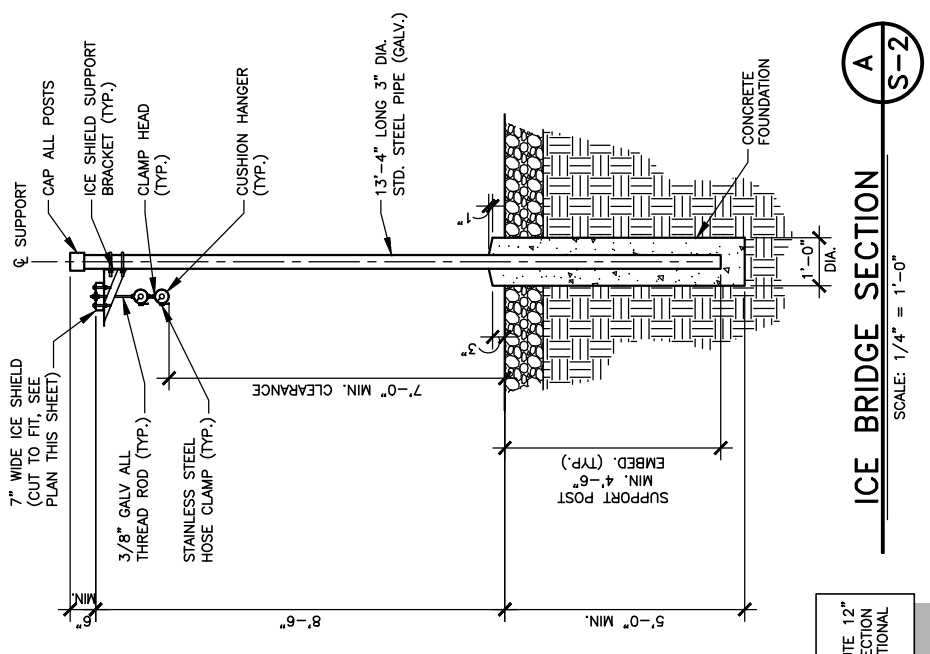
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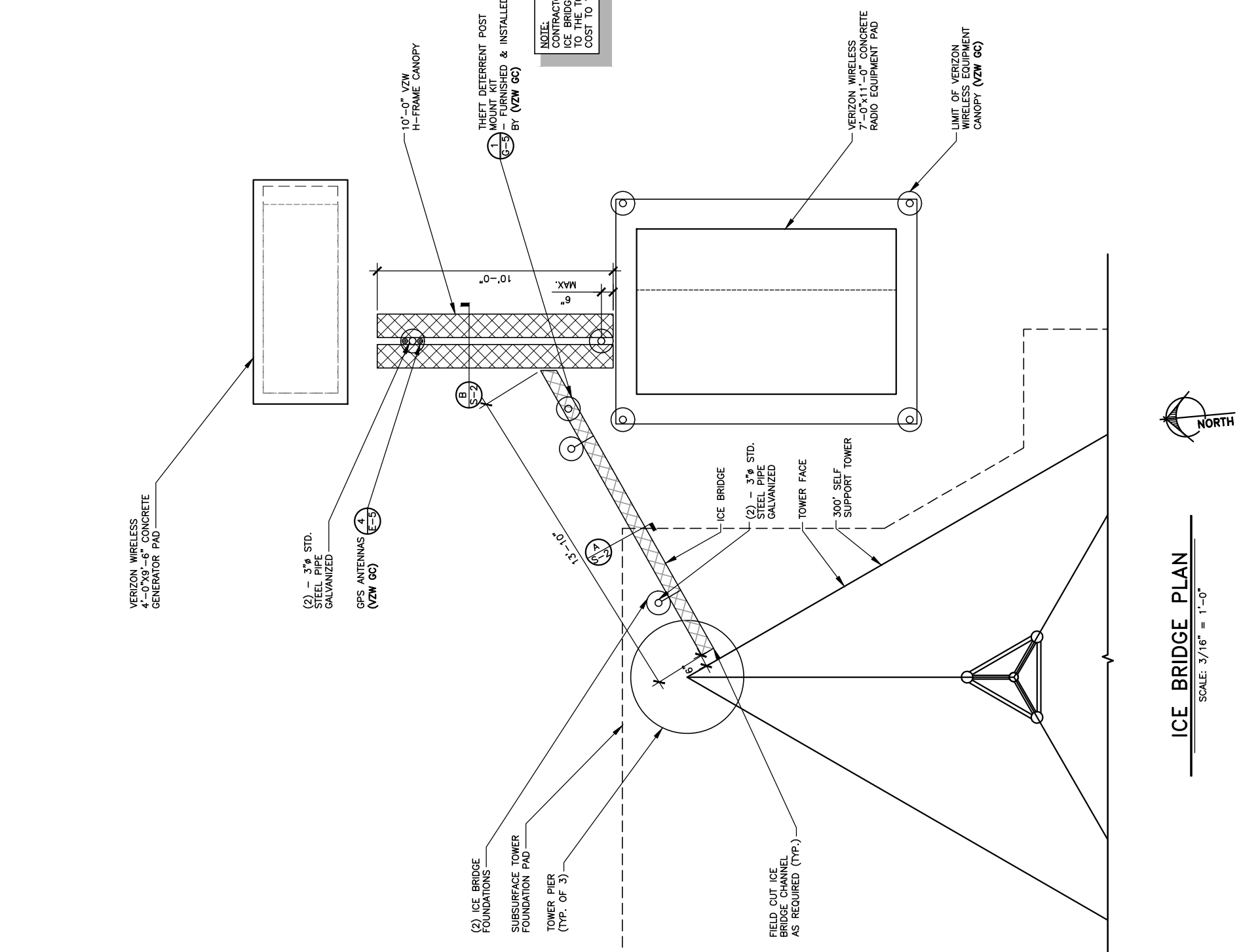
SHEET TITLE:
ICE BRIDGE PLAN AND DETAILS

SHEET NUMBER:
S-2

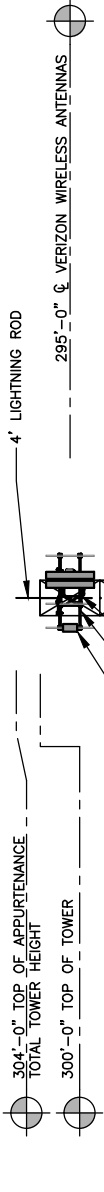
WK P&I & CANOPY REV 3 FINAL 10/16/23



NOTE:
CONTRACTOR MAY SUBSTITUTE 12" ICE BRIDGE FOR THE 7" SECTION TO THE TOWER IF NO ADDITIONAL COST TO VZW



Call before you dig.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO ALLOW ANYONE TO DIG UNDERGROUND LOCATIONS WITHOUT CALLING 811 WORKING DAYS BEFORE COMMENCING WORK.



VERIZON WIRELESS ANTENNAS MOUNTED AT 295' O.C. ANTENNAS, ANTENNA MOUNTS, COAX & HYBRID CABLES FURNISHED BY VERIZON WIRELESS. INSTALLED BY (VZW GC)

HEAVY DUTY ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER (VZV GC)

LOW PIM HANGERS TO SUPPORT TOP COAX JUMPERS. MAXIMUM 3'-0" O.C. SPACING. FURNISHED & INSTALLED BY (VZW GC)

300' SELF SUPPORT TOWER w/4' LIGHTNING ROD
-TOTAL TOWER HEIGHT 304'

VERIZON WIRELESS PREFABRICATED RADIO EQUIPMENT CANOPY (VZW GC)

6'-0" TALL CHAIN LINK FENCE -TOTAL HEIGHT 7'-0"

VERIZON WIRELESS PROPANE TANK

1/ FINISHED GRADE

TOWER ELEVATION

SCALE: N.T.S.

1
TE-1

NOTE:

- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY RURAL CELLULAR CORP g/b/g VERIZON WIRELESS (VZW GC)
- ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USFWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 200' IN HEIGHT.

REPORT OF SOIL RESISTIVITY TESTING PREPARED BY CTL ENGINEERING OF OHIO, INC. ON 09/12/2023

295'-0" & VERIZON WIRELESS ANTENNAS

4' LIGHTNING ROD

304'-0" TOP OF APPURTENANCE TOTAL TOWER HEIGHT

300'-0" TOP OF TOWER



COAX PLAN

SCALE: N.T.S.

VERIZON WIRELESS (2)
SD-06X6GA-12SM-XXX
HYBRID CABLE (VZW GC)

COAX CABLE LADDER
FURNISHED WITH TOWER



REV.	DATE	DESCRIPTION
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B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



LV MT VERNON EAST
SITE INFORMATION:
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
TOWER ELEVATION

SHEET NUMBER:
TE-1

WK PWD & CANOPY REV. 3 FINAL 10/16/23



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

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MT VERNON, KY 40456
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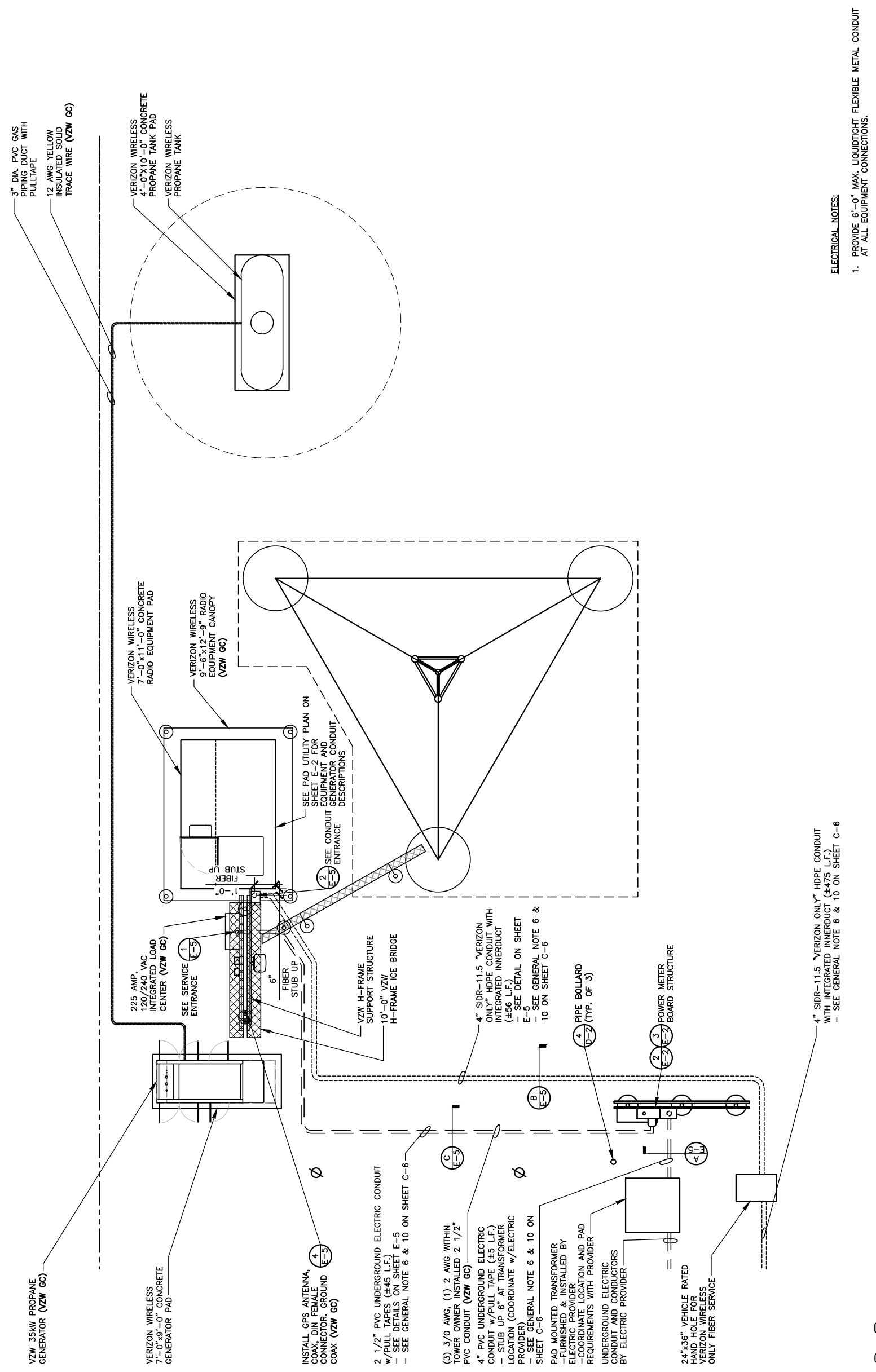
SITE NUMBER: 721772

SITE NAME: LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE: SITE UTILITY PLAN

SHEET NUMBER: E-1
MK PWD & CANOPY REV 3 FINAL 10/16/23



- ELECTRICAL NOTES:**
1. PROVIDE 6'-0" MAX. LIQUDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT CONNECTIONS.
 2. ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
 3. CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS AND WHEN CROSSING THE COMPOUND GATE OPENING.
 4. ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER IMC WITH WEATHERPROOF FITTINGS.



SITE UTILITY PLAN

SCALE: N.T.S.



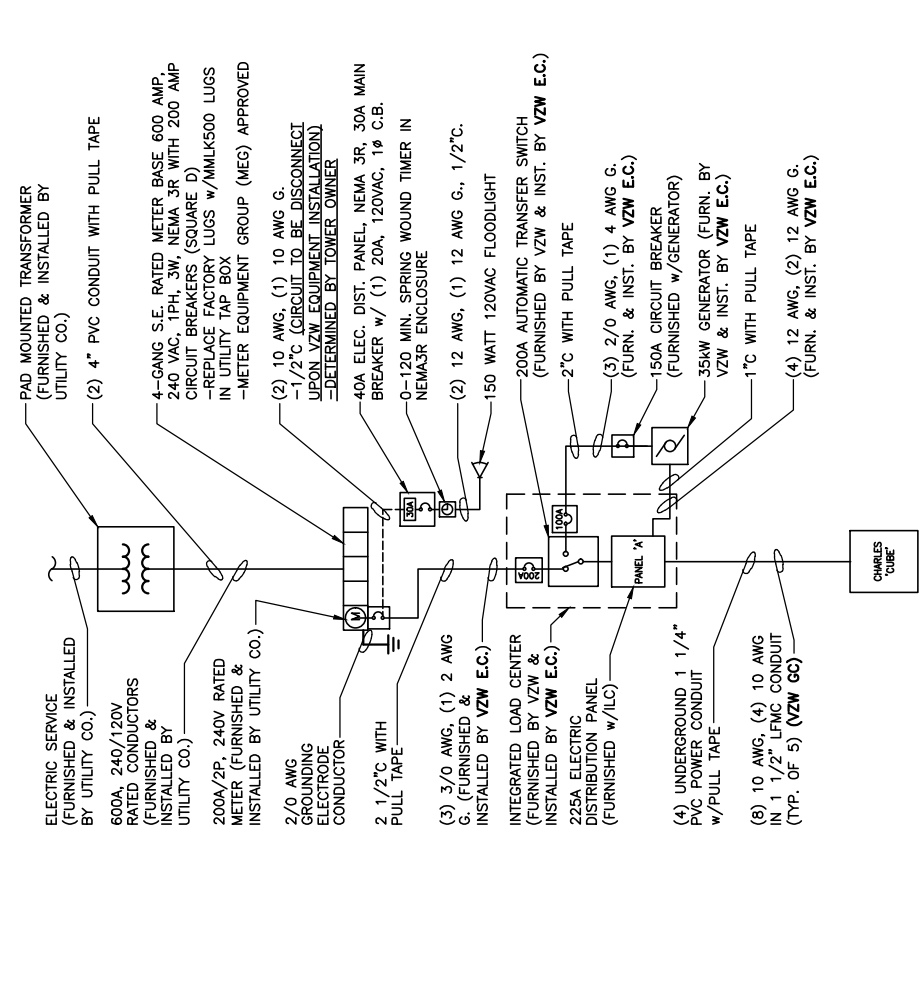
Call before you dig.
Know what's below.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE PUBLIC INTEREST TO OBTAIN OR ATTEMPT TO OBTAIN ANY INFORMATION CONCERNING THE LOCATION OF UTILITIES PRIOR TO COMMENCING WORK.

VERIZON PANEL "A" SCHEDULE			
MAIN: 225/2 VOLTAGE: 120/240		PHASE: 1 WIRE: 3	
DESCRIPTION	BRKR.	WATTS	DESCRIPTION
RECTIFIER #1	30/2	1800	RECTIFIER #2
RECTIFIER #3	30/2	1800	RECTIFIER #4
RECTIFIER #5	30/2	1800	RECTIFIER #6
RECTIFIER #7	30/2	1800	RECTIFIER #8
SPACE		18	SPACE
SPACE		20	SPACE
SPACE		22	SPACE
SPACE		24	SPACE
SPACE		26	SPACE
SPACE		28	SPACE
SPACE		30	SPACE
GFCI RECEPTACLE (RF CABINET)	15/1	180	SPACE
GEN. BLOCK HEATER	20/1	1500	SPACE
CANOPY LIGHTS	15/1	126	SPACE

NON-CONTINUOUS LOAD = 0.00 KW, 00.00 AMPS
 CONTINUOUS LOAD = 31.04 KW X 1.25 = 38.80 KW, 161.67 AMPS
 TOTAL CONNECTED LOAD = 38.80 KW, 161.67 AMPS
 SURFACE MOUNTED NEMA 3R w/DOOR
 22K AIC BREAKERS
 (E.C. SHALL VERIFY AIC RATINGS W/LOCAL POWER CO.)

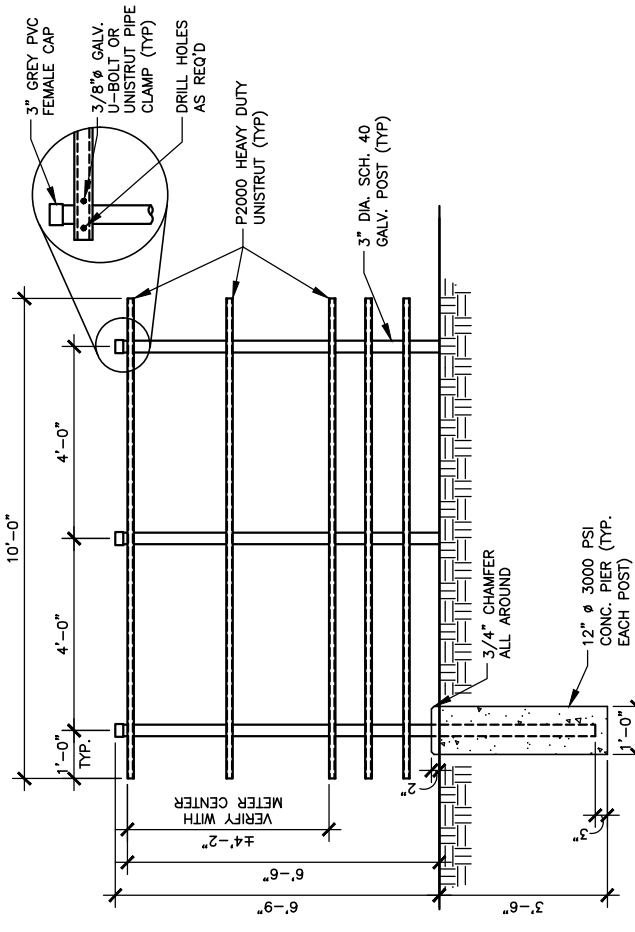
PANEL SCHEDULE "A"

SCALE: N.T.S.



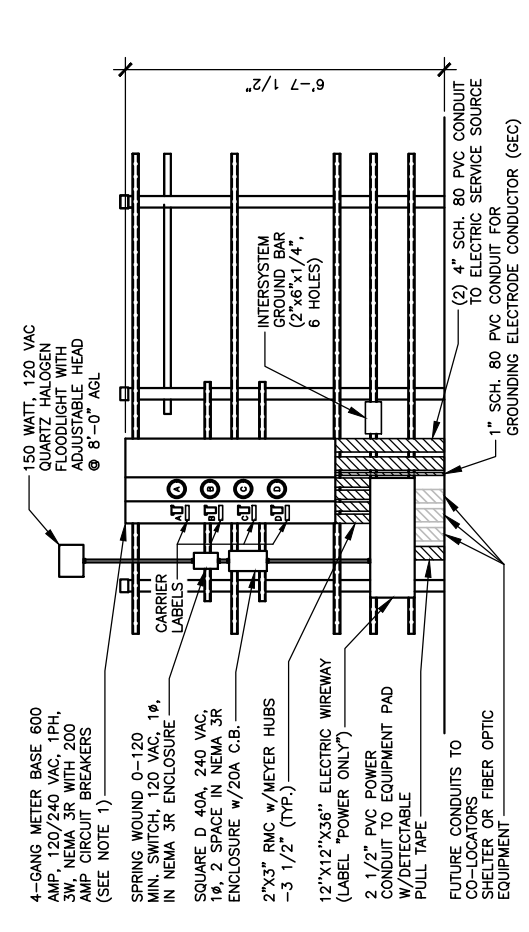
ONE LINE DIAGRAM

SCALE: N.T.S.



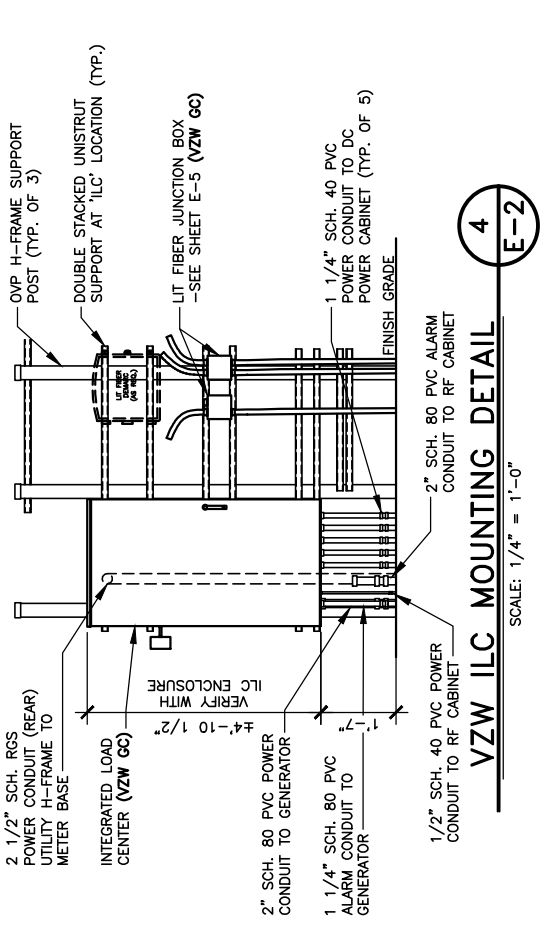
METER BOARD STRUCTURE

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



METER BOARD STRUCTURE - ELECTRIC SIDE

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



- ### GENERAL ELECTRICAL NOTES
- UNLESS NOTED AS VERIZON WIRELESS GENERAL CONTRACTOR OR VZW GC, ALL WORK ITEMS ON ELECTRICAL "E" & GROUNDING "G" SHEETS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR. ALL WORK SHOWN AS NEW UNLESS NOTED OTHERWISE.
 - THE GENERAL CONTRACTOR AND VERIZON WIRELESS ELECTRICAL CONTRACTORS SHALL BE LICENSED TO PERFORM WORK IN THE COUNTY OF THIS PROJECT AND SHALL BE RESPONSIBLE FOR OBTAINING AN ELECTRICAL PERMIT FROM THE COUNTY.
 - UNDERGROUND CONDUIT SHALL BE SCH. 40 (SCH. 80 UNDER ROADWAY) PVC PLASTIC DUCT WITH ALL BENDS MINIMUM 24" RADIUS 90° SWEEP SCH. 80 UNLESS OTHERWISE NOTED ON DRAWINGS. ELECTRICAL AND FIBER UTILITY LATERAL CONDUITS SHALL BE MINIMUM 36" RADIUS 90° SWEEP SCH. 80. ALL PVC SCH80 PIPING AND FITTINGS SHALL USE BELL END WHERE FEASIBLE.
 - ABOVE GRADE RISER CONDUIT SHALL BE RIGID SCH. 80 PVC WITH MATCHING FITTINGS UNLESS NOTED OTHERWISE.
 - ALL CONDUITS SHALL BE PLACED WITH 200 LB POLYETHYLENE PULL TAPES. PULL TAPES SHALL BE SECURELY FASTENED AT EACH END OF CONDUIT. (THIS SHALL ALSO APPLY FOR ALL FIBER CONDUITS).
 - PRIOR TO TRENCHING AND FOR COORDINATING OF THE FIBER AND ELECTRICAL SERVICES, SEE SHEET C-6 GENERAL NOTE #6 FOR UTILITY CONTACT NAMES & PHONE NUMBERS TO ALSO INCLUDE VERIZON WIRELESS CONSTRUCTION MANAGER.
 - ALL WORK SHALL BE IN ACCORDANCE WITH N.F.P.A. AND N.E.C. CODES, NEMA STANDARDS AND ALL LOCAL CODES.
 - ALL WIRE SHALL BE COPPER, 600V THHN-2/THWN-2 OR XHHW-2 90°C UNLESS NOTED OTHERWISE.
 - ALL ELECTRICAL CONTRACTORS SHALL ABIDE BY ALL GUIDELINES REQUIRED BY TOWER OWNER AND VERIZON WIRELESS, INCLUDING BUT NOT LIMITED TO: a) STAGE CONSTRUCTION AND REPORT WHEN ON AND OFF THE SITE. b) PROVIDE LOG BOOK RECORDS OF PERSONNEL ON TOWER. c) PROVIDE R.F. MONITORING DEVICES TO TOWER PERSONNEL. d) VERIZON WIRELESS TO INSPECT ALL TRENCHING BEFORE BACKFILLING.
 - THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL UNDERGROUND CONDUITS SHOWN ON PLANS UNLESS NOTED OTHERWISE. ALL UNDERGROUND CONDUIT SHALL BE STUBBED-UP AND CAPPED AT THE LOCATION INDICATED ON PLANS. VZW CONTRACTOR SHALL COMPLETE ALL CONDUIT TERMINATIONS TO VZW ENCLOSURES SHOWN ON PLANS AND ELECTRICAL PROVIDER DESIGN.
 - THE VZW ELECTRICAL CONTRACTOR SHALL VERIFY ELECTRICAL SERVICE REQUIRED - 120/240V, SINGLE PHASE, 200 AMP BEFORE ROUGH IN.
 - GENERAL CONTRACTOR AND VZW ELECTRICAL CONTRACTORS SHALL PROVIDE FIRE WATCH DURING ALL WELDING OPERATIONS. TWO (2) HAND HELD 30 LB. FIRE EXTINGUISHERS & ADEQUATE WATER SUPPLY SHALL BE APPROVED BY THE CLIENT AND THE TOWNSHIP WATER AUTHORITY.
 - SEAL ALL PENETRATIONS WITH SILICONE SEALANT.
 - ELECTRICAL WORK PRESENTS SPECIFIC THREATS TO THE HEALTH AND SAFETY OF WORKERS ON SITE. SPECIFICALLY ELECTROCUTIONS ARE THE FOURTH LEADING CAUSE OF DEATH ON CONSTRUCTION SITES. ALL ELECTRICAL WORKERS SHALL HAVE CURRENT CERTIFICATIONS WHICH SATISFY ALL TRAINING REQUIREMENTS FOR THE ELECTRICAL WORK THEY ARE PERFORMING PER OSHA STANDARDS. ALL ELECTRICAL WORKERS SHALL ADHERE TO ALL SAFETY RULES AND REGULATIONS FOR WORKER AND PUBLIC SAFETY. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN OR UNDER THE CLOSE SUPERVISION OF THE LICENSED ELECTRICIAN. THE CONTRACTOR SHALL ADVISE THE TOWER OWNER, PRIME CONTRACTOR, CARRIER, OSHA, NFA/JOE AND LOCAL SAFETY GUIDELINES AND AT ALL TIMES SHALL CONFORM TO THE MOST RESTRICTIVE OF THESE STANDARDS TO ENSURE A SAFE WORKPLACE.
 - CONNECT NEUTRAL TERMINAL IN SERVICE DISCONNECTING DEVICE TO GROUNDING ELECTRODE. (2/0 AWG TINNED STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" PVC CONDUIT). CONNECT FIRST GROUNDING ELECTRODE TO SECOND GROUNDING ELECTRODE WITH 2/0 AWG TINNED STRANDED COPPER CONDUCTOR EXOTHERMICALLY WELDED TO ELECTRODES.
 - VZW E.C. SHALL VERIFY SUFFICIENT CAPACITY EXISTS AT EXISTING METER CENTER. NOTIFY ENGINEER IMMEDIATELY IF SERVICE IS NOT ADEQUATE.
 - REFER TO ELECTRICAL SITE PLAN FOR CONDUIT AND WIRE REQUIREMENTS.
 - ALL ELECTRICAL EQUIPMENT PLACARDS MUST BE ENGRAVED PLASTIC LABELS ONLY. NO P-TOUCH LABELS ARE TO BE USED. PLACARDS SHALL BE 1 1/2" x 5" SIZE AND PERMANENTLY AFFIXED TO THE ENCLOSURES EASILY VISIBLE LOCATIONS.
 - VERIZON WIRELESS ELECTRICAL PLACARD REQUIREMENTS:
 - AVAILABLE FAULT CURRENT RATING FROM UTILITY PROVIDER WITH DATE.
 - VERIZON WIRELESS SERVICE DISCONNECT AT METER BASE.
 - VERIZON MAIN BREAKER AT INTEGRATED LOAD CENTER "ILC".
 - GENERATOR NEUTRAL CONDUCTOR BONDED TO SERVICE GROUNDING ELECTRODE IN THIS ENCLOSURE AT METER CENTER AND AUTOMATIC TRANSFER SWITCH "ATS" NEUTRAL BAR.
 - VERIZON WIRELESS GENERATOR
 - "ACCESS PROPERTY OF VERIZON WIRELESS" AT ALL VERIZON WIRELESS FIBER HAND HOLES FASTENED TO INSIDE WALL OF HAND HOLE.
 - ALL EQUIPMENT SHALL BE GROUNDED PER LATEST EDITION OF NEC AND AS INDICATED ON GROUNDING PLAN.
 - ELECTRICAL EQUIPMENT SHALL BE MIN. 3'-0" FROM ANY STRUCTURE AND AS REQUIRED BY LOCAL UTILITY COMPANIES.
 - 2 AWG BARE SOLID TINNED COPPER WIRE LEADS FROM NEW H-FRAME STRUCTURE TO BE BONDED TO EXISTING GROUNDING SYSTEM (TYP)
 - ALL METALLIC CABINETS & ENCLOSURES MUST BE GROUNDED WITH 2 AWG TO GROUND RING.
 - ALL ABOVE GRADE GROUND VZW CONNECTIONS SHALL BE IN 1/2" FLEXIBLE PVC CONDUIT w/ANTI-THEFT COMPOUND. ALL OTHER LEADS SHALL BE IN 1/2" PVC CONDUIT.
 - ALL HARDWARE USED MUST BE GALVANIZED OR STAINLESS STEEL, NO ZINC OR OTHER MATERIAL IS TO BE USED.
 - VERIZON WIRELESS FURNISH & INSTALL ALL INNER CONNECTING CONDUITS BETWEEN CABINETS AND LAND ALL AC POWER TO VZW EQUIPMENT.
 - ALL CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM THE METERBOARD SO THAT WATER WILL NOT FLOW FROM THE EQUIPMENT. TRENCHES SHALL BE EXCAVATED ALONG STRAIGHT LINES BEFORE CONDUIT ARE INSTALLED SO THE ELEVATION CAN BE ADJUSTED, IF NECESSARY, TO AVOID UNSEEN OBSTACLES.
 - PRIOR TO THE SUBMISSION OF BIDS, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS SHALL VERIFY ALL DETAILS AND SCHEDULES ON THE DRAWINGS AND SPECIFICATIONS PROVIDED BY THE OWNER FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK STRUCTURAL AND OTHER MECHANICAL AND ELECTRICAL DRAWINGS FOR SCALE, SPACE LIMITATIONS, DOOR SWINGS, ADJACENT CARRIER EQUIPMENT COORDINATION AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO THE OWNER BEFORE SUBMITTING BIDS.



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 321 FROSTY HOLLOW ROAD
 MT VERNON, KY 40466
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER:
 16913443

DRAWN BY: RC
 CHECKED BY: PL
 DATE: 10.25.23

SHEET TITLE:
**PANEL SCHEDULE,
 ONE LINE DIAGRAM,
 ELECTRICAL NOTES
 AND DETAILS**

SHEET NUMBER:
E-2



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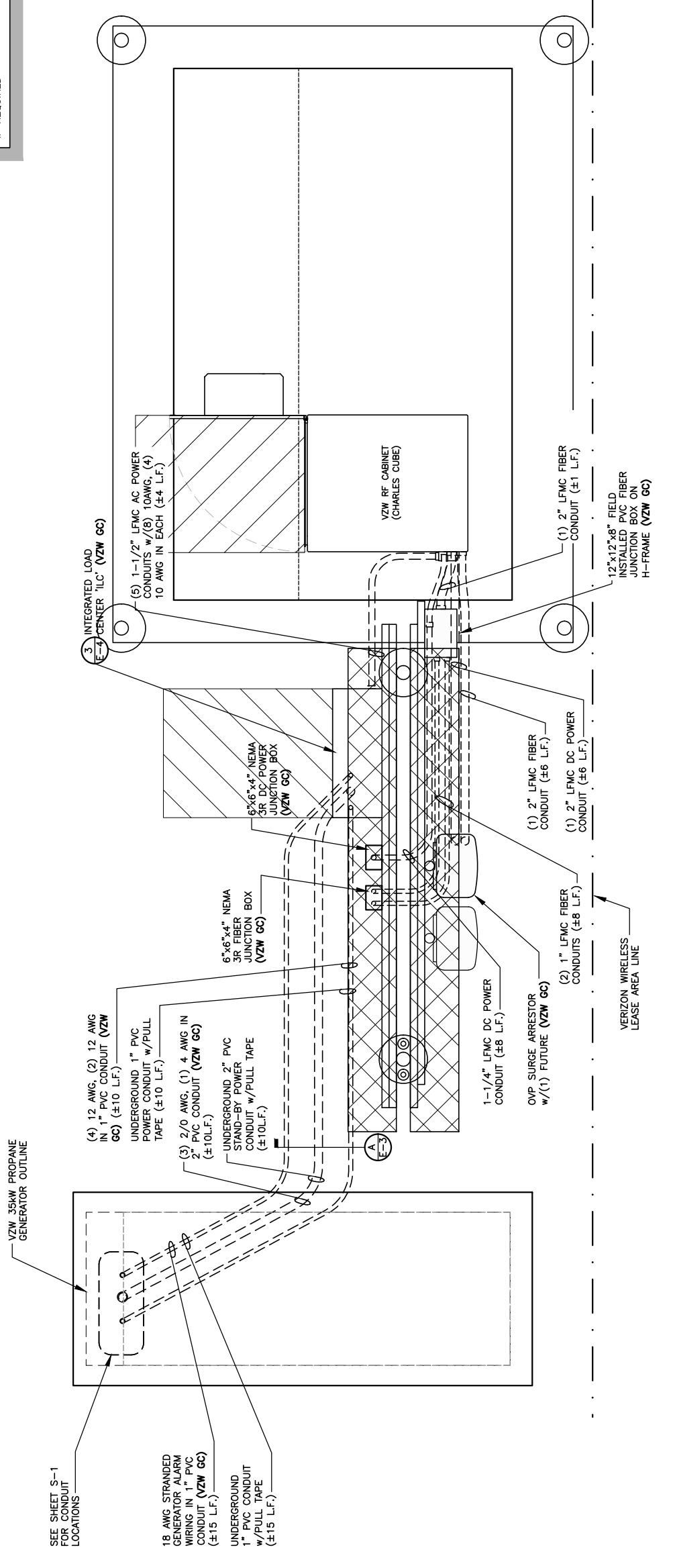
PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
**EQUIPMENT PAD
UTILITY PLAN &
EQUIPMENT PAD
TRENCH SECTIONS**

SHEET NUMBER:
E-3

WK. PKG. & CADDY REV. 3 FINAL 10/16/23

NOTE:
ALL GENERATOR CONDUITS SHALL BE INSTALLED AND CAPPED WEATHERTIGHT FOR FUTURE GENERATOR INSTALLATION IF REQUIRED



SEE SHEET S-1 FOR CONDUIT LOCATIONS

18 AWG STRANDED GENERATOR ALARM WIRING IN 1" PVC CONDUIT (VZW GC) (±15 L.F.)

UNDERGROUND 1" PVC CONDUIT w/PULL TAPE (±15 L.F.)

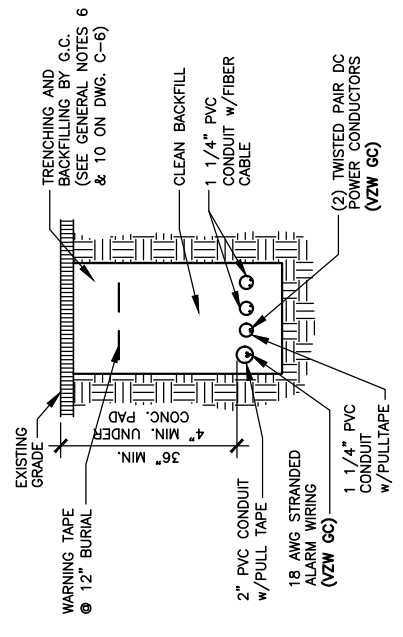


EQUIPMENT PAD UTILITY PLAN

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

ELECTRICAL NOTES:

1. PROVIDE 6'-0" MAX. LIQUDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT CONNECTIONS.
2. ALL CONDUIT SHALL BE ROUTED WITHIN 2'-0" OF PERIMETER COMPOUND FENCE WHERE APPLICABLE.
3. CONDUIT TRENCH WIDTH SHALL NOT EXCEED 18" AT ALL ACCESS DRIVE LOCATIONS, AND WHEN CROSSING THE COMPOUND GATE OPENING.
4. ALL CONDUIT RACEWAYS BETWEEN CABINETS ABOVE CONCRETE PAD SHALL BE 2" DIAMETER SCH40 PVC WITH WEATHERPROOF FITTINGS.
5. ALL GENERATOR CONDUITS SHALL BE INSTALLED REGARDLESS OF INITIAL GENERATOR INSTALLATION.



RF CABINET FEEDER TRENCH SECTION DETAIL

SCALE: N.T.S.

A
E-3



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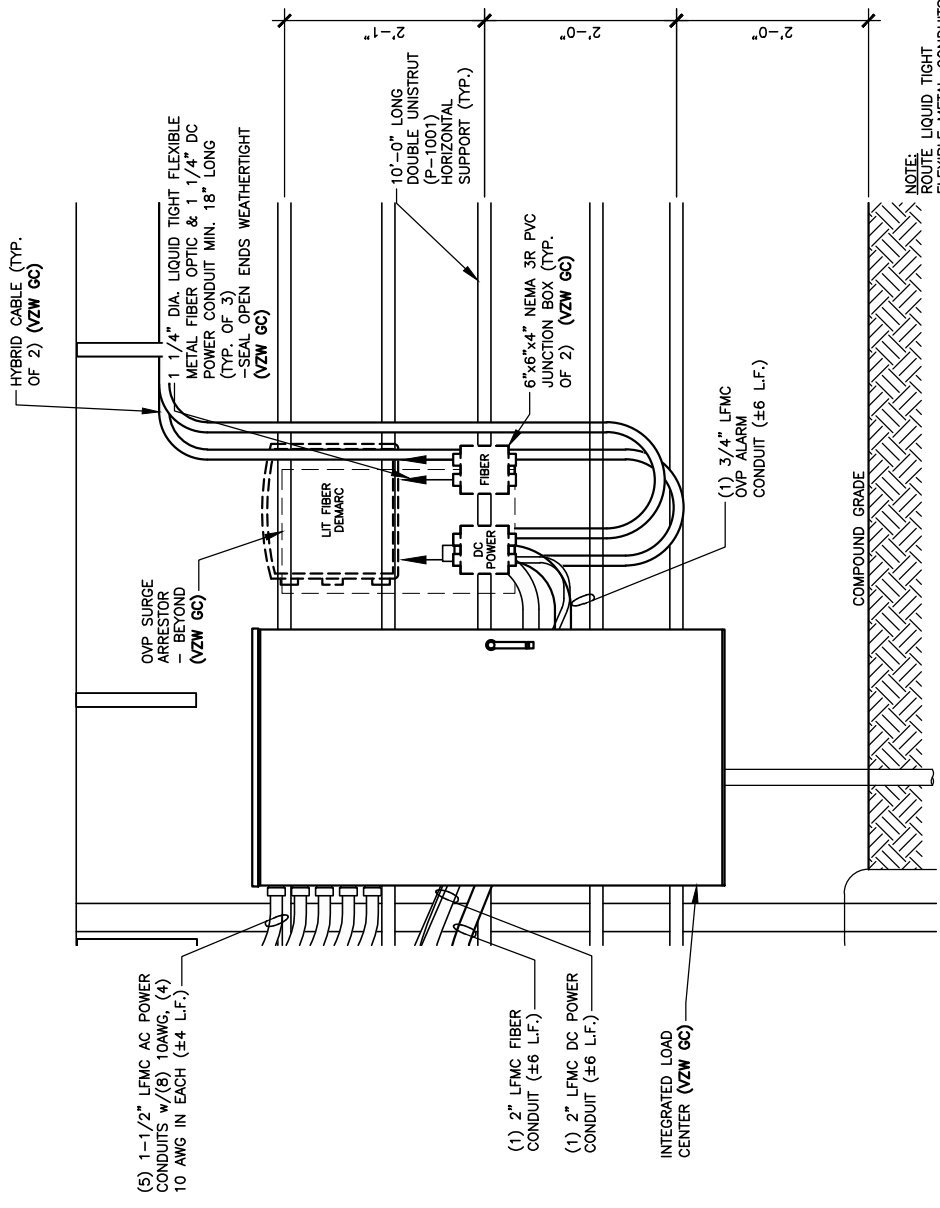
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LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
OVP & INTEGRATED LOAD CENTER ELEVATIONS H-FRAME ELEVATIONS AND DETAILS

SHEET NUMBER:
E-4

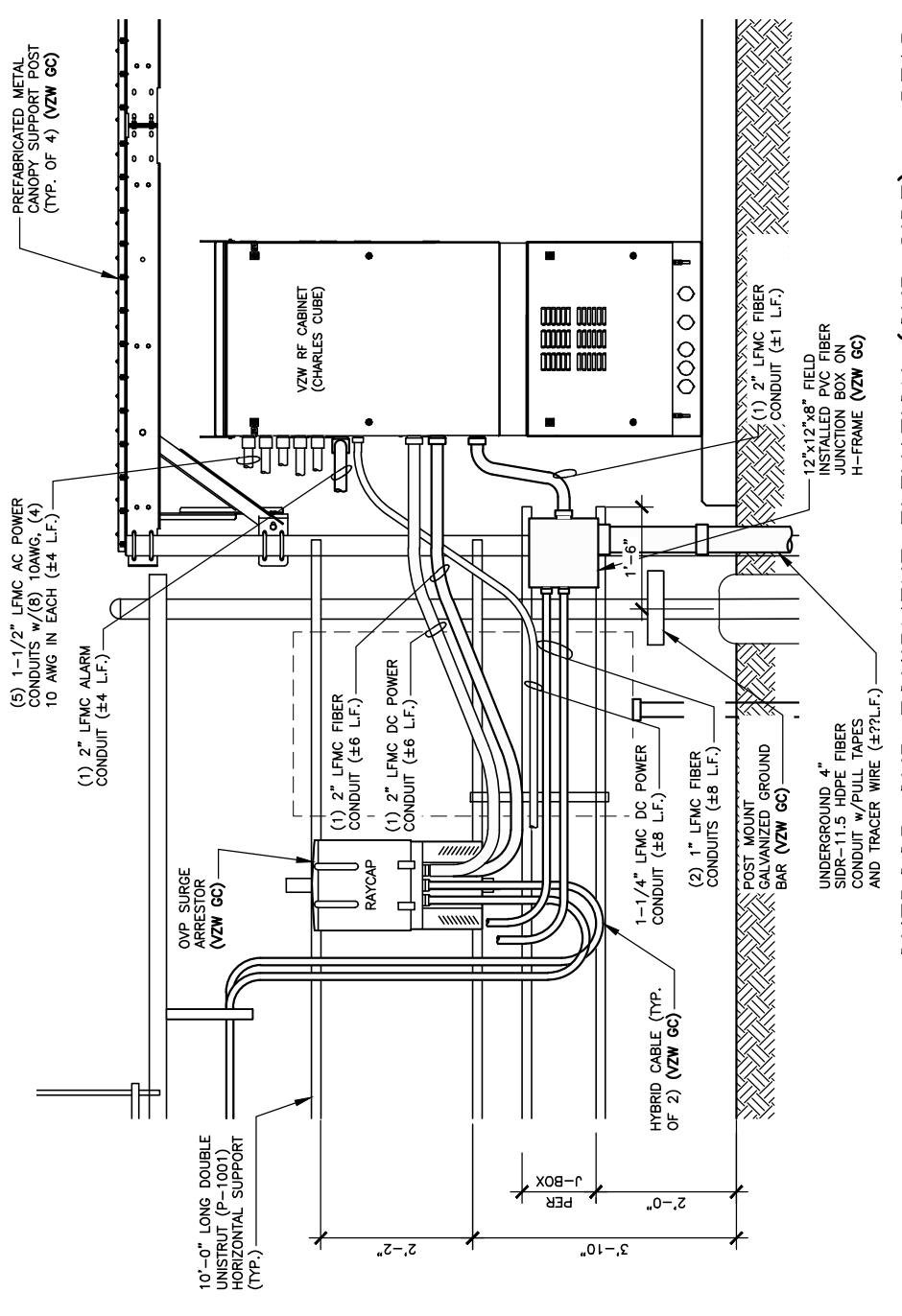
WK PWD & CANOPY REV. 3 FINAL 10/16/23



ENLARGED OVP H-FRAME ELEVATION (LIT FIBER DEMARC)

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

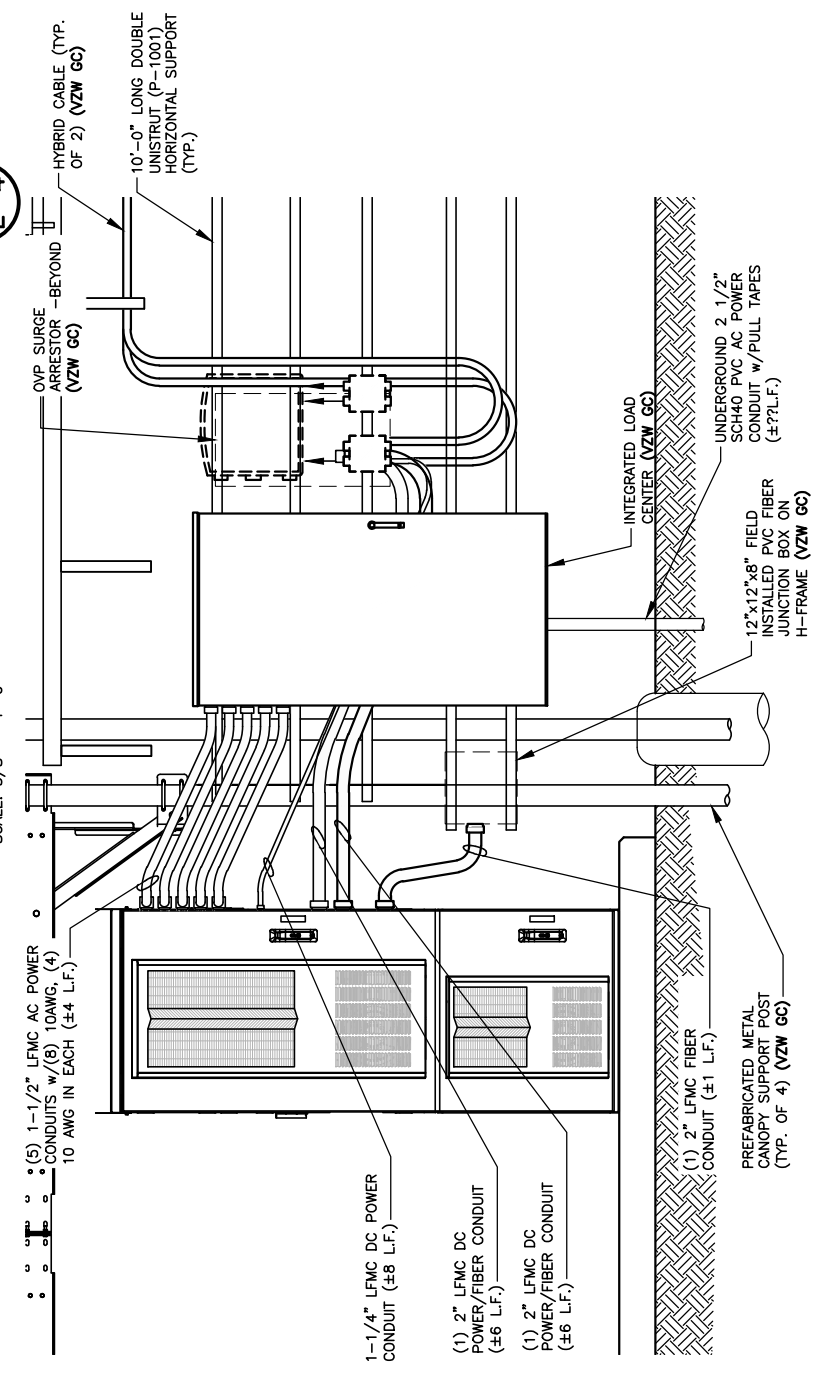
3
E-4



OUTDOOR OVP EQUIPMENT ELEVATION (OVP SIDE) - REAR

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

1
E-4



OUTDOOR OVP EQUIPMENT ELEVATION (ILC SIDE) - FRONT

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

2
E-4

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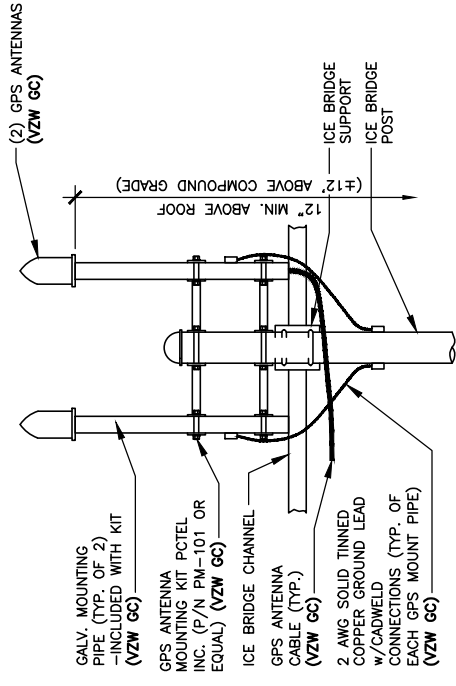
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CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:

ELECTRICAL DETAILS

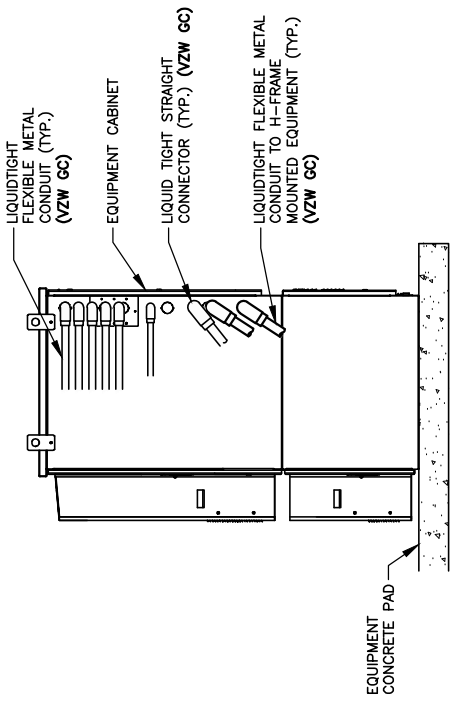
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E-5

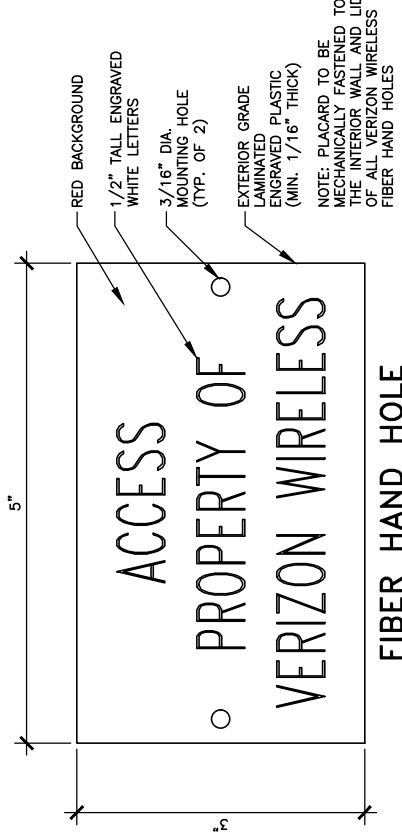


NOTE:
 GPS ANTENNA MUST BE INSTALLED IN SUCH A MANNER AS TO PROVIDE A 360° CLEAR VIEW OF THE SKY AT ITS LOWEST MOUNTING POINT

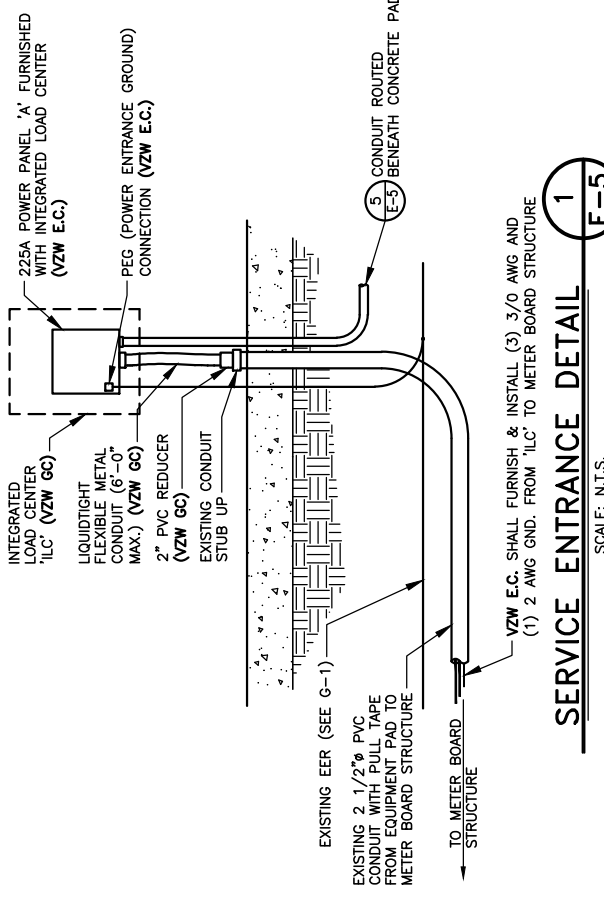
GPS MOUNT DETAIL
 SCALE: N.T.S.
 (BY VZW GC)



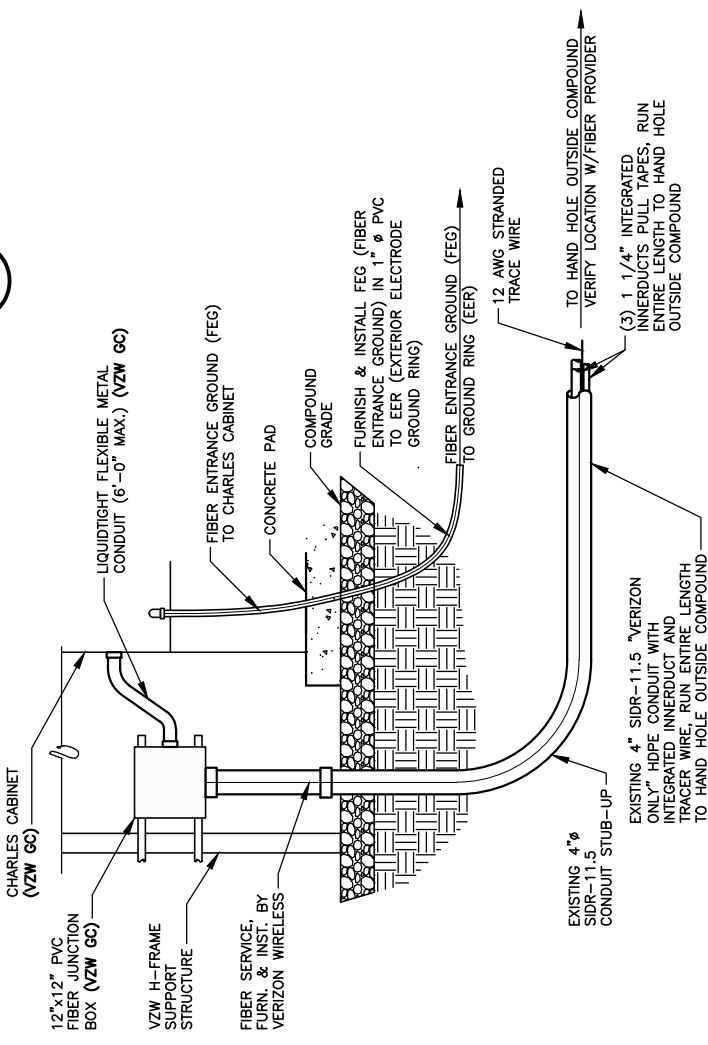
TYP. CABINET CONDUIT ENTRANCE DETAIL
 SCALE: N.T.S.
 (BY VZW GC)



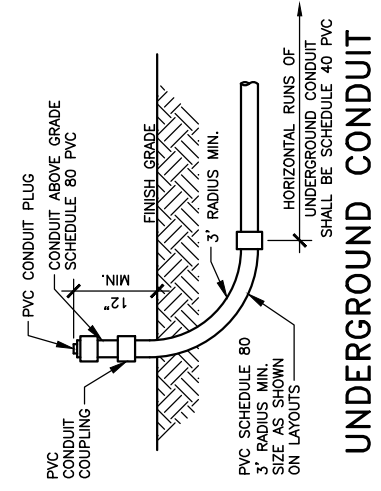
FIBER HAND HOLE PLACARD DETAIL
 SCALE: N.T.S.



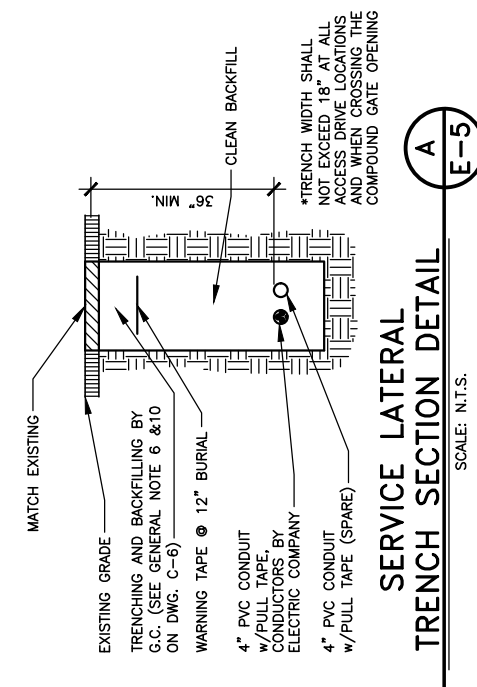
SERVICE ENTRANCE DETAIL
 SCALE: N.T.S.



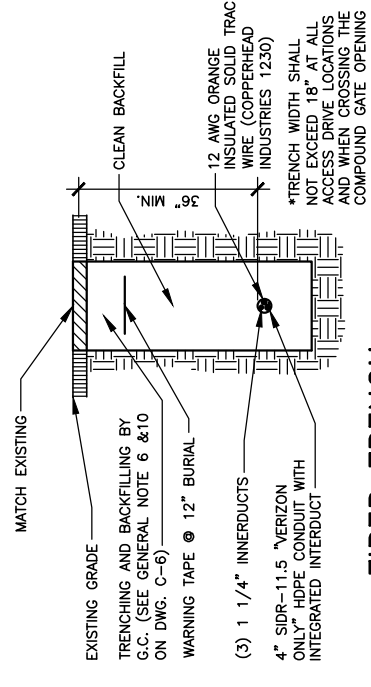
FIBER CONDUIT ENTRANCE DETAIL
 SCALE: N.T.S.



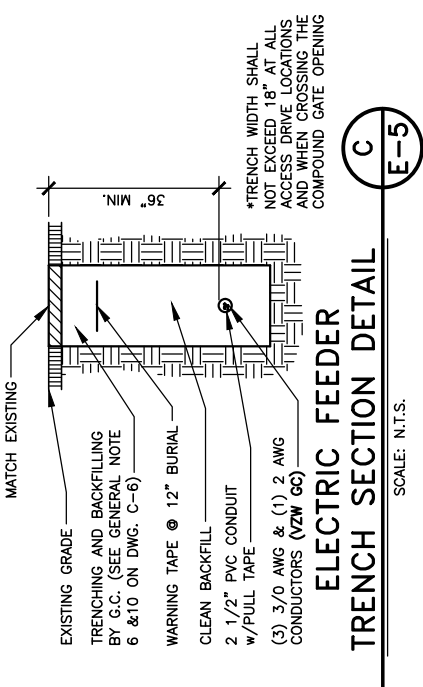
UNDERGROUND CONDUIT STUB-UP DETAIL
 SCALE: N. T. S.



SERVICE LATERAL TRENCH SECTION DETAIL
 SCALE: N.T.S.



FIBER TRENCH SECTION DETAIL
 SCALE: N.T.S.



ELECTRIC FEEDER TRENCH SECTION DETAIL
 SCALE: N.T.S.



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EQUIPMENT CABINET ELEVATIONS

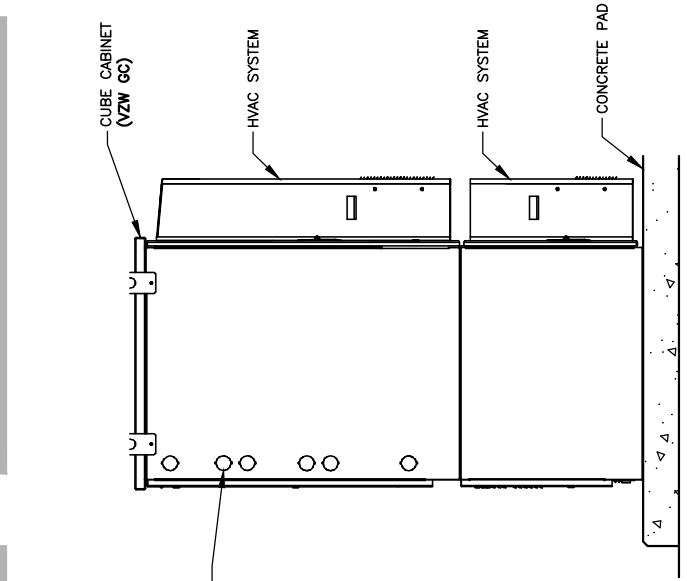
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E-6

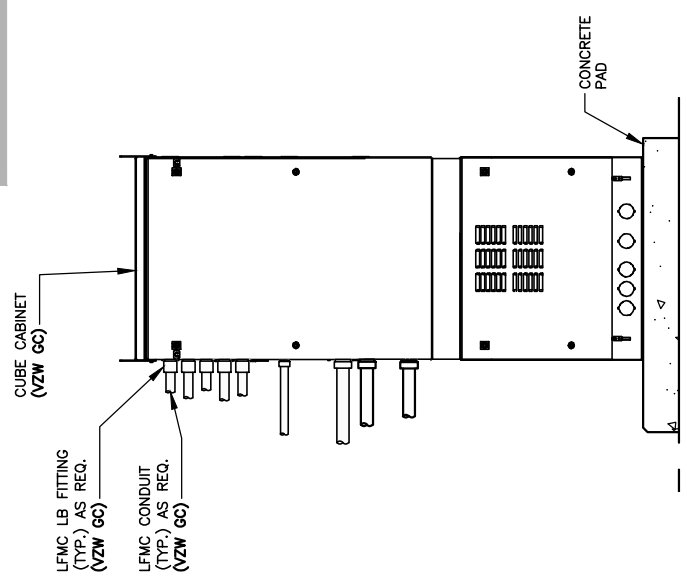
WK PWD & CANOPY REV. 3 FINAL 10/19/23

NOTE:
VERIFY INTERIOR EQUIPMENT LOCATION PRIOR TO JUNCTION BOX FASTENER INSTALLATION. NO SHARP FASTENER EDGES PERMITTED WITHIN CHARLES CABINET

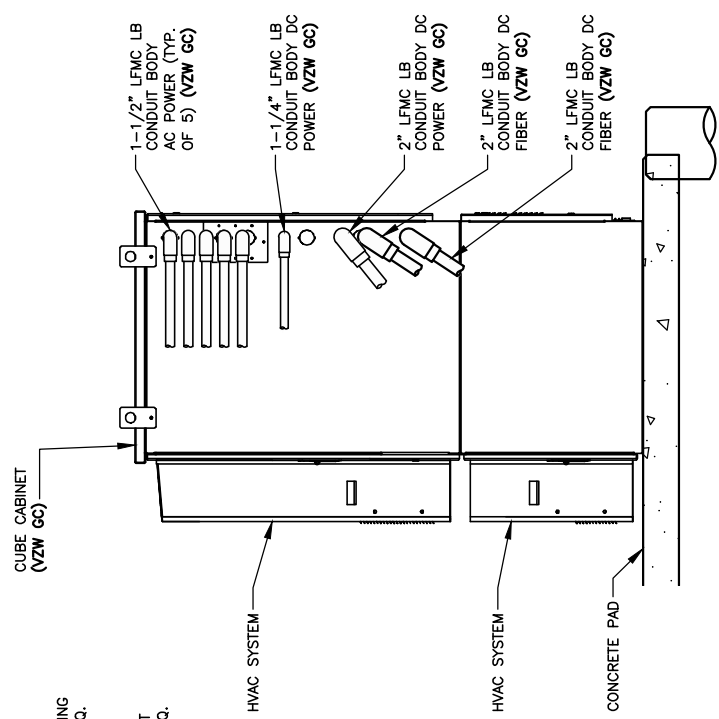
NOTE:
FIBER OPTIC INNERDUCTS SHALL TERMINATE INSIDE CHARLES CABINET ONLY



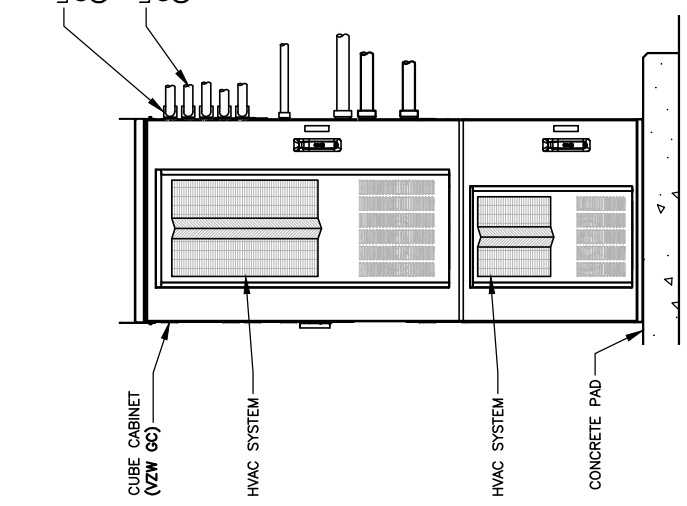
RF CABINET LEFT ELEVATION
SCALE: N.T.S. **4**
E-6



RF CABINET REAR ELEVATION
SCALE: N.T.S. **3**
E-6



RF CABINET RIGHT ELEVATION
SCALE: N.T.S. **2**
E-6



RF CABINET FRONT ELEVATION
SCALE: N.T.S. **1**
E-6



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B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	REVISED FOR CONSTRUCTION
1	12/27/23	REVISED FOR CONSTRUCTION



SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

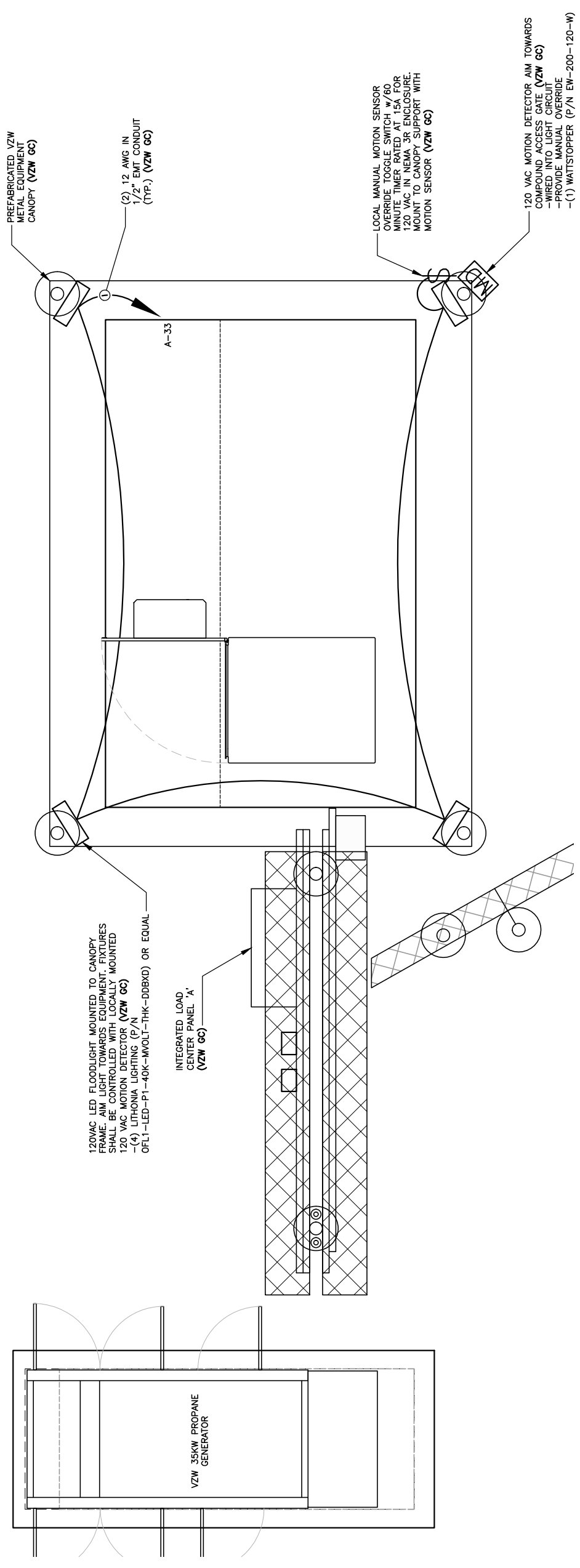
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LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
EQUIPMENT PAD LIGHTING PLAN

SHEET NUMBER:
E-7

WK PAD & CANOPY REV. 3 FINAL 10/16/23



EQUIPMENT PAD LIGHTING PLAN
SCALE: N.T.S.



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

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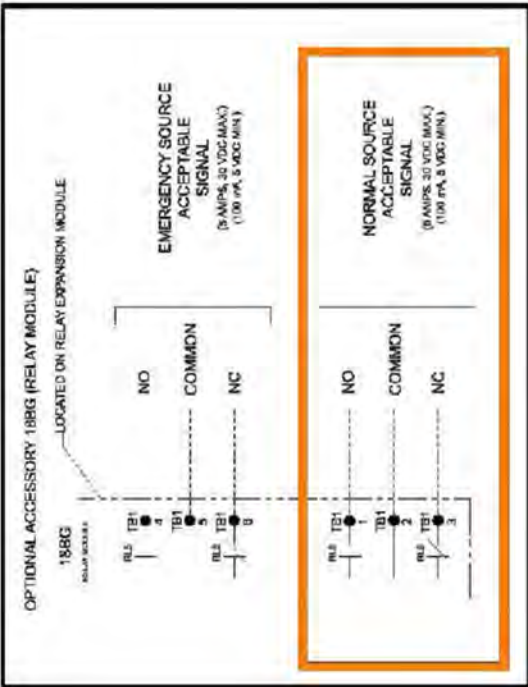
PID NUMBER:
16913443

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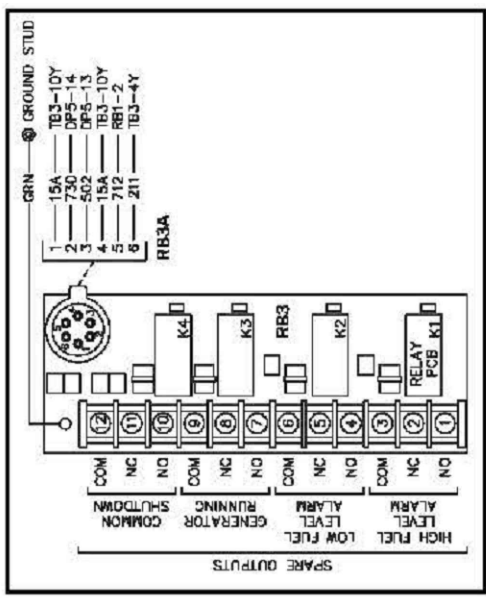
SHEET TITLE:
ALARMING DIAGRAMS AND DETAILS (REFERENCE ONLY)

SHEET NUMBER:
E-9

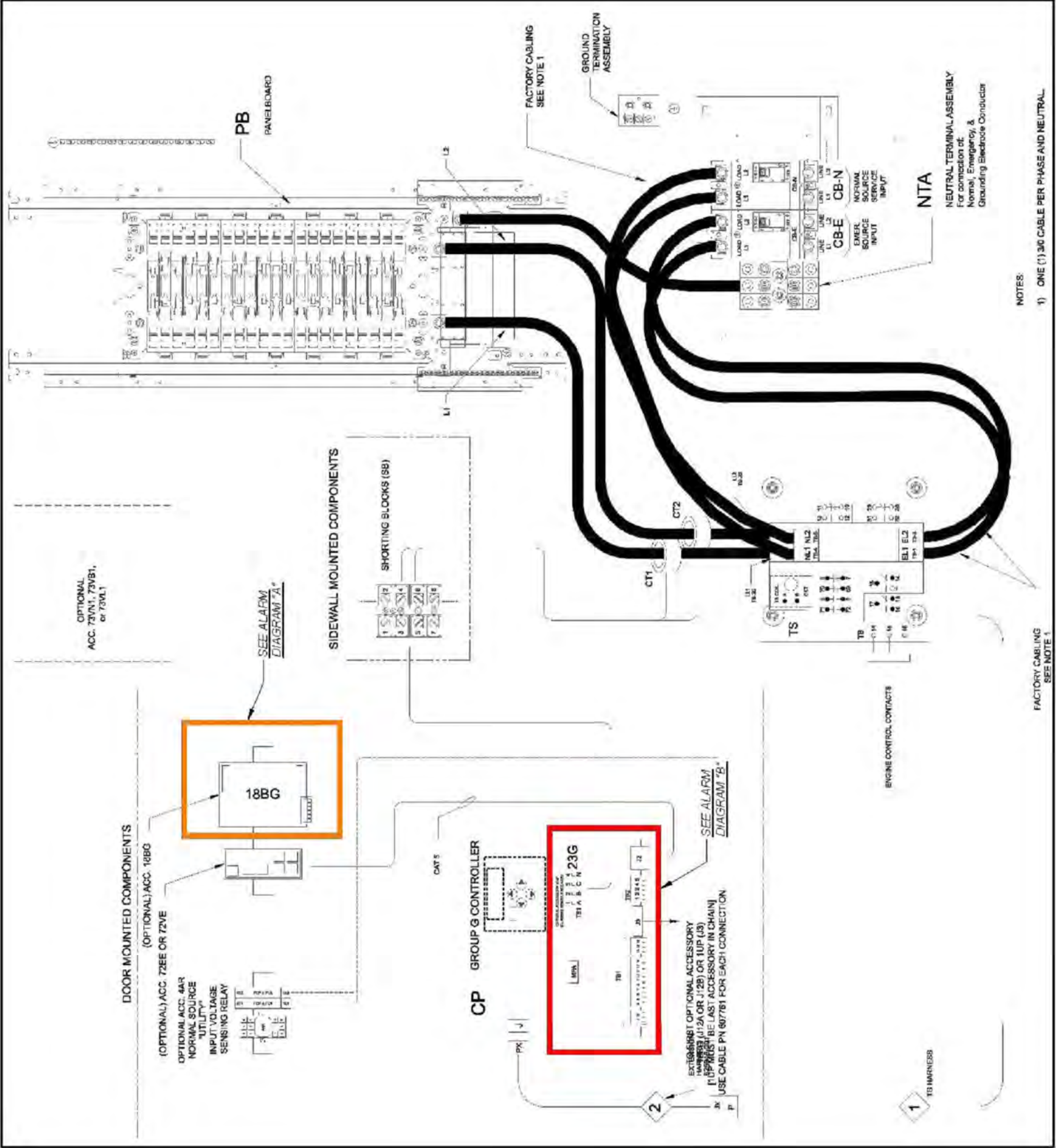
WK PWD & CANOPY REV. 3 FINAL 10/16/23



ALARM DIAGRAM "A"
SCALE: N.T.S.



ALARM DIAGRAM "B"
SCALE: N.T.S.



INTEGRATED LOAD CENTER DETAIL
SCALE: N.T.S.

E-9



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LV MT VERNON EAST

PID NUMBER: 16913443
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DATE: 10.25.23

SHEET TITLE:
ALARM AND FIBER CABLE ROUTING (REFERENCE ONLY)

SHEET NUMBER:
E-10

WK PWD & CANOPY REV. 3 FINAL 10/16/23

Alarm wiring for Cabinet

Remove old alarm block and install new panel DRP4722SW

Route wiring from RMX4000 to alarm panel. Wiring will be various colors or all blue as shown

If connector is connected to old alarm block, remove connector and wire to alarm panel

Note: See wiring table on next page

Place alarm block label template on door

Jumper Office Alarm cable wires. Connector J4 position 16 (Blue/Red) and position 10 (Black/red)

ALARM WIRING CONNECTIONS **2**
E-10

SCALE: N.T.S.

Scope and test fibers. Install fibers

Label each end of fibers per label template. Labels should be the same on each end of fiber. Labels should be installed 3-4 inches from end of fiber.

Route fibers out the backside of fiber tray. Separate fibers into Alpha, Beta, and Gamma. Route fibers out of fiber tray as shown.

Route fibers UNDER the 6630/6648 Shelf #1 to front side of the cabinet

Note: Only install/label fibers are provided.

Note: Only install Aqua fibers if instructed by a supervisor. Otherwise ship loose

Updated template		Label Template	
4449 ALPHA	4449 BETA	18843 ALPHA	18843 BETA
6449 ALPHA LINK 1	6449 BETA LINK 1	16449 ALPHA LINK 2	16449 BETA LINK 1
4408 ALPHA	4408 BETA	4408 GAMMA	6449 GAMMA LINK 2

Gamma fibers
Beta fibers
Alpha fibers

Aqua Fibers if installed-label each end the same
Fiber 1
Fiber 2
Fiber 3

FIBER ROUTING DETAIL **1**
E-10

SCALE: N.T.S.



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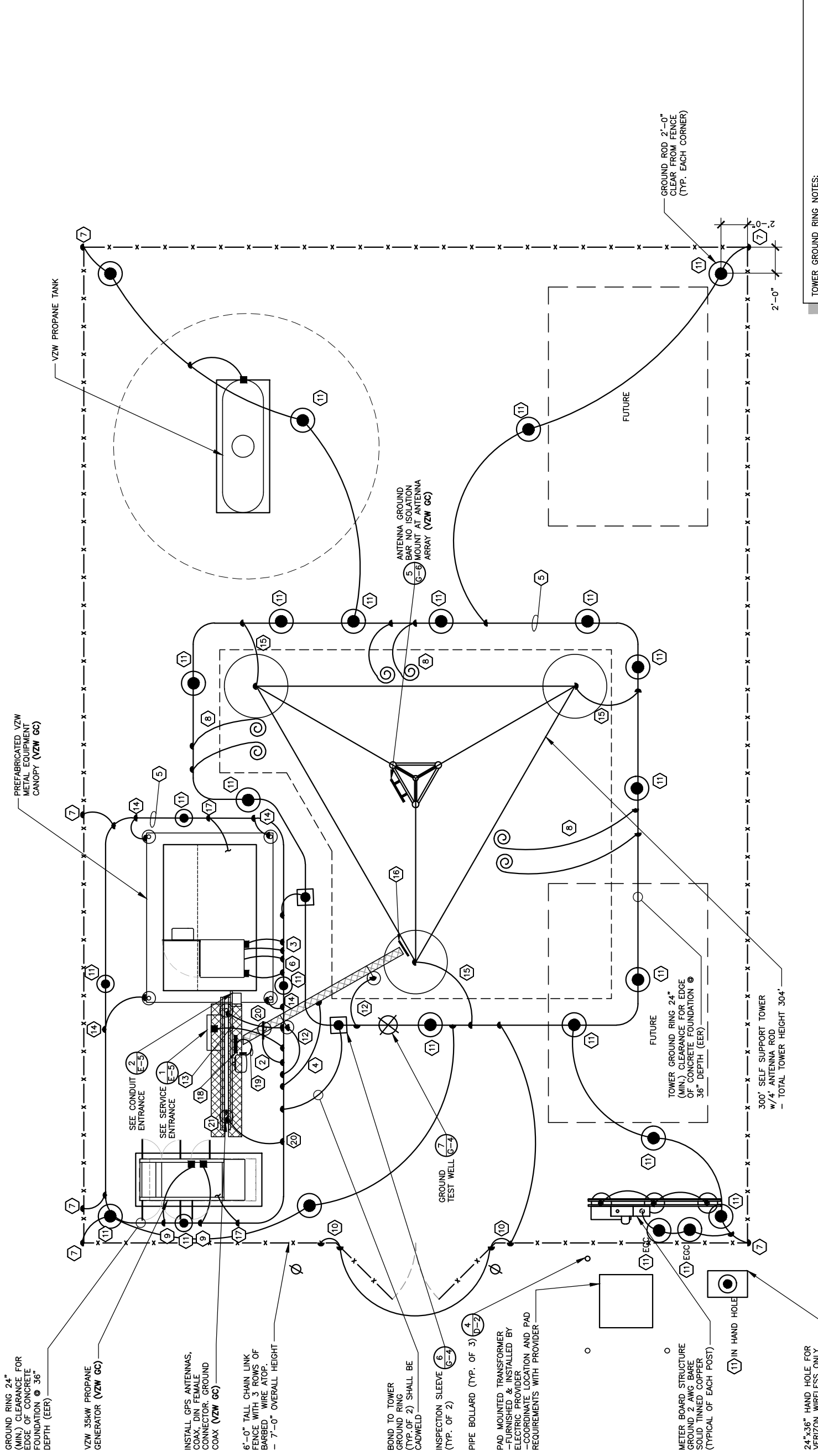
PID NUMBER: 16913443

DRAWN BY: RC
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DATE: 10.25.23

SHEET TITLE:
GROUNDING SITE PLAN

SHEET NUMBER:
G-1

DATE: 10/16/23



TOWER GROUND RING NOTES:

- GROUNDING PLAN SHOWN IS FOR A PAD AND PIER TOWER FOUNDATION. IF THE TOWER OWNER ELECTS TO INSTALL A CAISSON FOUNDATION THE TOWER GROUND RING (EER) WILL BE MODIFIED. THE TOWER GROUND RING (EER) SHALL BE INSTALLED PER VERIZON WIRELESS STANDARDS. 24" MIN. CLEARANCE FROM THE TOWER FOUNDATIONS AT 36" MIN. BELOW GRADE.
- ALL GROUND RODS SHALL BE INSTALLED PER VERIZON WIRELESS STANDARDS.
- ALL GROUND LEADS DEPICTED ON THIS PLAN SHALL BE MODIFIED TO CONNECT TO THE MODIFIED TOWER GROUND RING (EER) LOCATION.



GROUNDING SITE PLAN

SCALE: N.T.S.

NOTES:

- ALL ABOVE GRADE GROUND LEADS TO BE INSTALLED IN 1/2" NON-CONDUCTIVE FLEXIBLE PVC CONDUIT WITH ANTI-THEFT COMPOUND.
- COORDINATE ICE BRIDGE POST GROUND LEAD INSTALLATION WITH ICE BRIDGE POST LOCATIONS ON SHEET S-1.
- SEE SHEET G-2 FOR GROUNDING KEYED NOTES.

TOWER OWNER GROUNDING KEYED NOTES

- 1 BBG: FURN. & INST. 1 - 2/0 AWG INSULATED STRANDED COPPER GND. WIRE FOR BATTERY BAY GROUND (BBG) TO (EER). COIL UP 6" ABOVE GRADE. CONNECTION TO (EER) SHALL BE CADWELD.
- 2 CEPSG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR CEPSG POST TO (EER). CONNECTION (EER) SHALL BE CADWELD.
- 3 CG: FURN. & INST. 2 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR CABINET GROUND (CG) TO (EER). COIL UP 6" ABOVE GRADE. CONNECTION (EER) SHALL BE CADWELD.
- 4 CSG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND WIRE FOR ICE BRIDGE CHANNEL TO (EER). CONNECTION (EER) SHALL BE CADWELD.
- 5 EER: FURN. & INST. 2 AWG BARE SOLID TINNED COPPER BURIED EXTERIOR ELECTRODE GROUND RING (EER) AROUND RADIO EQUIPMENT PAD AND TOWER BURIED AT 36" OR 6" BELOW FROST LINE (WHICHEVER IS GREATER), MAINTAIN 24" FROM EQUIPMENT PAD AND TOWER FOUNDATIONS MINIMUM.
- 6 FEG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR FIBER ENTRANCE GROUND (FEG) TO (TGE). COIL UP 10" ABOVE GRADE. CONNECTION TO (EER) SHALL BE CADWELD.
- 7 FG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FROM NEW FENCING TO GROUND RING (EER). CONNECTION TO FENCING SHALL BE AT THE BASE OF FENCE POST USING CADWELD AND WEAVE GND. WIRE THRU FABRIC AND ATTACH TO TOP RAIL WITH CADWELD. CONNECTION TO (EER) SHALL BE CADWELD.
- 8 FTWGL: FURN. & INST. FUTURE TOWER WAVEGUIDE GROUND BAR LEADS. CONTRACTOR SHALL COIL UP TEN (10') OF 2 AWG SOLID TINNED COPPER GROUND (TYP.)
- 9 GEG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE GENERATOR ENCLOSURE TO (EER). COIL UP 6" ABOVE GRADE. CONNECTION (EER) SHALL BE CADWELD. *GENERATOR SERVICE GROUND WHERE REQUIRED BY JURISDICTION HAVING AUTHORITY
- 10 GG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND WIRE AT EACH GATE POST AND PROVIDE GROUND WIRE TO BONDING JUMPER FROM GATE POST TO FENCE POST.
- 11 GRE: FURN. & INST. GROUND RODS TO 36" BELOW FINISH GRADE (OR 6" BELOW FROST LINE, WHICHEVER IS GREATER) AT A MINIMUM SPACING OF 10'-0" AT RADIO EQUIPMENT PAD, TOWER AND SITE EXTERIOR GROUND SYSTEM. CONNECTION TO (EER) SHALL BE CADWELD. REFER TO DETAIL 5 ON SHEET G-4.
- 12 IBSG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FROM ICE BRIDGE SUPPORT POST TO (EER). CONNECTION (EER) SHALL BE CADWELD. SEE SHEET S-1 FOR ICE BRIDGE POST LOCATIONS.
- 13 PEG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE 'ILC' GROUND BAR TO (EER). COIL UP 6" ABOVE GRADE. CONNECTION (EER) SHALL BE CADWELD.
- 14 PCSSG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR EACH PAD CANOPY SUPPORT BASE TO (EER). COIL UP 6" ABOVE GRADE. CONNECTION TO (EER) SHALL BE CADWELD.
- 15 TBG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FROM TOWER LEG BASE PLATE TO (EER). CONNECTION TO TOWER LEG BASE PLATE SHALL BE CADWELD OR MECHANICAL TO LEG AND (EER) SHALL BE CADWELD.
- 16 TWG: BY VZW E.C.
- 17 UG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE (UFER GROUND) FOR PAD FOUNDATION REINFORCEMENT STEEL CONNECTION TO (EER) SHALL BE CADWELD. PROVIDE HEAT SHRINK TUBING OR ELECTRICAL TAPE PROTECTION FOR CONDUCTOR AT TRANSITION BETWEEN CONCRETE AND SOIL.
- 18 OGA: BY VZW E.C.
- 19 OGL: BY VZW E.C.
- 20 OHG: FURN. & INST. 2 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR THE 'OVP' H-FRAME TO (EER). (TYP. OF 2 POSTS). CONNECTION (EER) SHALL BE CADWELD.
- 21 GFGS: BY VZW E.C.

TOWER OWNER GROUNDING NOTES

1. ALL UNDERGROUND CONNECTIONS ON THE LIGHTNING PROTECTION SYSTEM SHALL BE EXOTHERMIC WELDED USING THE CADWELD PROCESS. THE TOWER OWNER E.C. SHALL FURN. & INST. ALL THESE CONNECTIONS, INCLUDING WELD METALS, MOLDS AND TOOLS. THE TOWER OWNER E.C. SHALL FURN. & INST. 5/8" x 10' COPPER CLAD STEEL (COPPER JACKET 0.0012" MIN.) GROUND RODS, DRIVEN VERTICAL TO 36" BELOW FIN. GRADE (OR 6" BELOW FROSTLINE, WHICHEVER IS GREATER) @ 10'-0" O.C. MINIMUM.
2. THE TOWER OWNER E.C. SHALL FURN. & INST. 2 AWG BARE SOLID TINNED COPPER GND. WIRE AT A DEPTH OF 36" BELOW FIN. GRADE FOR THE EQUIPMENT PAD (EER) AND ICE BRIDGE (CSG).
3. ALL EXTERIOR GND. CONNECTIONS SHALL BE EXOTHERMIC CADWELD (U.N.O).
4. UPON COMPLETION OF THE EQUIPMENT PAD GROUNDING RING AND BEFORE BONDING TO THE TOWER GROUND RING, THE TOWER OWNER E.C. SHALL MEGGER TEST THIS GROUNDING FIELD. THE REQUIRED RESISTANCE LEVEL IS 5 OHMS OR LESS. THE TOWER OWNER E.C. SHALL NOTIFY THE ENGINEER IF THESE REQUIREMENTS ARE NOT ACHIEVED. THE TOWER OWNER E.C. SHALL SUBMIT PRICING TO TOWER OWNER FOR THE INSTALLATION OF ADDITIONAL GROUND RODS REQUIRED FOR PROPER RESISTANCE. UPON APPROVAL FROM TOWER OWNER, THE TOWER OWNER E.C. SHALL INSTALL ADDITIONAL GROUND RODS AS REQUIRED. AFTER PASSING TEST, THE TOWER OWNER E.C. SHALL BOND THE EQUIPMENT PAD RING TO THE TOWER RING. THE TOWER OWNER E.C. SHALL NOTIFY VERIZON WIRELESS CONSTRUCTION MANAGER AND TOWER OWNER CONSTRUCTION MANAGER 48 HOURS PRIOR TO BACKFILLING TRENCHES, POURING CONCRETE FOR FOUNDATIONS, TO INSPECT BONDS AND INSPECT ANY/ALL BREAKS AND REPAIRS TO THE GROUND RING.
5. GROUND SYSTEM SHALL BE VISUALLY INSPECTED BY A TOWER OWNER AND VERIZON WIRELESS CONSTRUCTION ENGINEER BEFORE BACKFILLING IF REQUESTED.
6. NO SHARP 90° BENDS SHALL BE USED. A LONG SWINGING RADIUS BEND REQUIRED.
7. ALL EQUIPMENT PAD AND EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS.
8. ALL ABOVE GROUND BARE COPPER CONDUCTORS BELOW 10' ABOVE GRADE SHALL BE INSTALLED IN FLEXIBLE PVC CONDUIT. CONDUIT SHALL BE FILLED WITH THEFT DETERRENT COMPOUND (ELECTRIC MOTION COMPANY ANTI-THEFT COMPOUND EM-5101).
9. CONNECTION OF COPPER CONDUCTORS TO GALVANIZED METAL OR ALUMINUM SHALL BE AVOIDED. BRASS OR STAINLESS STEEL LUGS OR BARS SHALL BE USED FOR THESE CONNECTIONS.
10. BARE COPPER CONDUCTORS SHALL NOT BE INSTALLED WHERE THEY MAY BE IN CONTACT WITH GALVANIZED METALS. THE CONDUCTORS SHALL BE INSULATED OR ENCLOSED IN PVC CONDUIT. PLASTIC SEALTIGHT OR INSTALLED WITH STANDOFF SUCH THAT NO CONTACT BETWEEN DISSIMILAR METALS MAY TAKE PLACE.

LEGEND	
BBG	BATTERY BAY GROUND
CEPSG	COAX ENTRY PROTECTION SYSTEM GROUND
CG	CABINET GROUND
CSG	CABLE SUPPORT GROUND
EER	BURIED EXTERIOR ELECTRODE GROUND RING
ECC	EQUIPMENT GROUNDING CONDUCTOR (NEC DESIGNATION)
FEG	FIBER ENTRANCE GROUND
FG	FENCE GROUND
FTWGL	FUTURE TOWER WAVEGUIDE GROUND LEAD
GEG	GROUNDING ELECTRODE CONDUCTOR (NEC DESIGNATION)
GES	GENERATOR ENCLOSURE GROUND
GG	GROUNDING ELECTRODE SYSTEM (NEC DESIGNATION)
GFGS	GATE GROUND
GPSG	GPS ANTENNA MOUNT GROUND
GRE	GROUND ROD ELECTRODE
IBSG	ICE BRIDGE SUPPORT GROUND
OGA	OVP GROUND ASSEMBLY
OGL	OVP GROUND LEAD
OHG	OVP H-FRAME SUPPORT GROUND
PEG	POWER ENTRANCE GROUND
PCSSG	PAD CANOPY SUPPORT GROUND DOWN LEAD
TBG	TOWER BASE GROUND
TWG	TOWER WAVEGUIDE GROUND ASSEMBLY
UG	UFER GROUND (PIER FOUNDATION)
	CABLE TO GND. ROD CADWELD CONNECTION
	TEST WELL
	INSPECTION PORT CABLE TO CABLE CADWELD CONNECTION



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 MT VERNON, KY 40456
 ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
 DRAWN BY: RC
 CHECKED BY: PL
 DATE: 10.25.23

SHEET TITLE:

GROUNDING NOTES

SHEET NUMBER:

G-2

REV	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
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LV MT VERNON EAST
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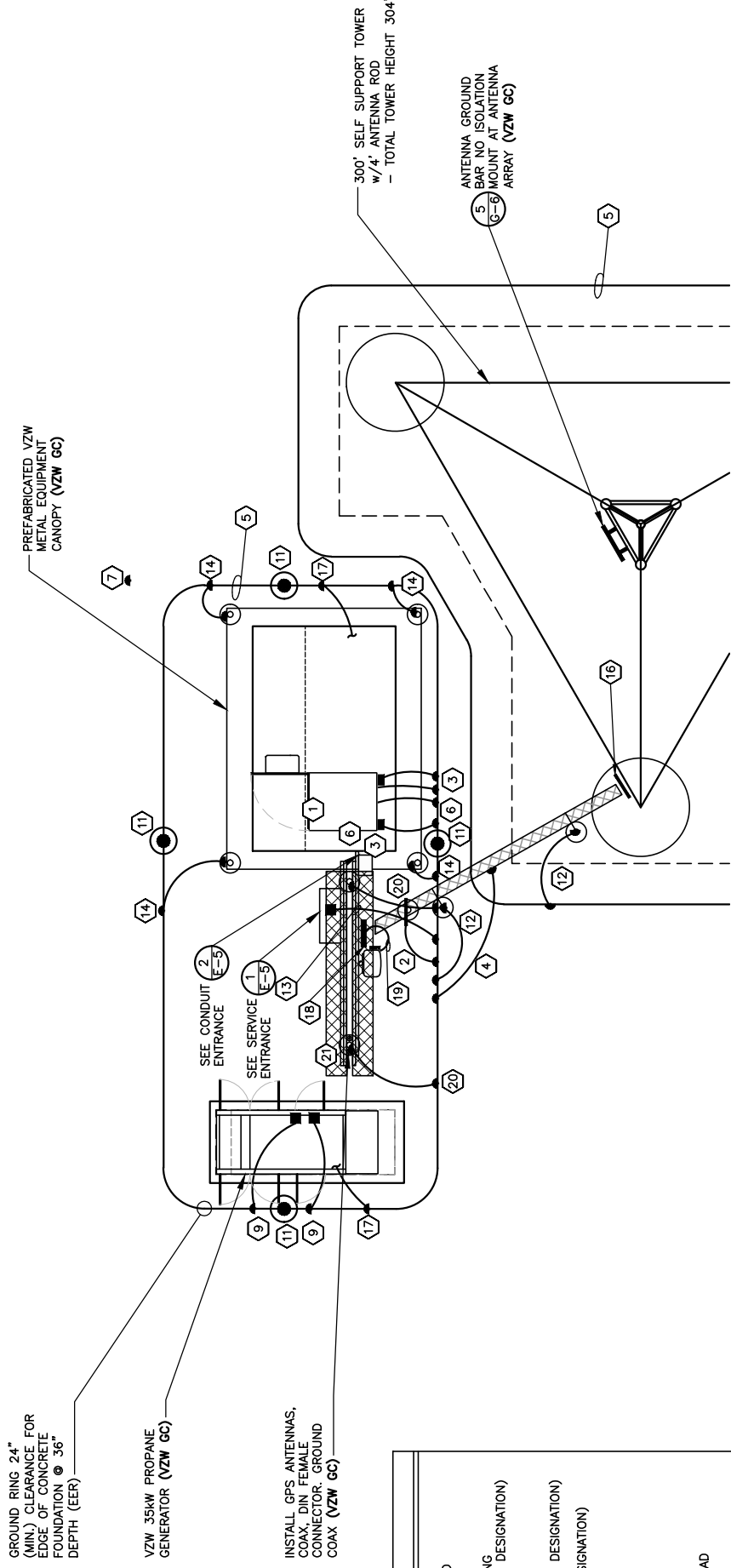
SITE NAME:
 LV MT VERNON EAST

PID NUMBER: 16913443

DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
VERIZON WIRELESS GROUNDING PLAN AND NOTES

SHEET NUMBER:
G-3
WPK PWD & CANOPY REV 3 FINAL 10/19/23



VERIZON WIRELESS GROUNDING PLAN

SCALE: N.T.S.

VERIZON WIRELESS GROUNDING KEYED NOTES

- 1 BBG: VZW E.C. SHALL CONNECT THE 1 - 2/0 AWG INSULATED STRANDED COPPER GND. WIRE COILED UP BY THE TOWER OWNER E.C. FOR THE BATTERY BAY GROUND (BBG). CONNECTION TO THE GROUND BAR IN THE BATTERY BAY SHALL BE MECHANICAL. ROUTE LEAD IN LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND.
- 2 CEPSG: VZW E.C. SHALL FURNISH & INSTALL THE THEFT DETERRENT POST ASSEMBLY PART #TDSGAPC14 FOR THE COAX ENTRY PROTECTION SYSTEM (AS MFG'D. BY ERICO GROUNDING AND SUPPLIED BY VZW E.C.) TO THE POST. CONNECT THE 2 AWG BARE SOLID TINNED COPPER COILED UP BY TOWER OWNER E.C. TO THE POST. THE CONNECTION TO POST SHALL BE CADWELDED. REFER TO THE GENERAL INSTALLATION GUIDE AS SUPPLIED WITH THEFT DETERRENT POST MOUNT GROUND ASSEMBLY. SEE DETAIL 1 ON SHEET G-5 FOR DETAILS.
- 3 CG: VZW E.C. SHALL FURNISH & INSTALL TWO HOLE LONG BARREL LUGS ON EXISTING 2 AWG BARE TINNED COPPER LEADS. VZW E.C. SHALL FURNISH & INSTALL DRAGON TOOTH WASHERS AND #8 STAINLESS STEEL FASTENERS ON ALL EQUIPMENT CABINET EXTERIOR GROUND LOCATIONS (TYP. 2 PER CABINET). REMOVE ALL SURFACE PAINT AND USE ANTI-OXIDIZANT COMPOUND BETWEEN METAL AND WASHER. ALL LEADS SHALL BE DRESSED TO REDUCE TRIP HAZARDS. DETAIL 3 ON SHEET G-5 FOR DETAILS.
- 4 CSG: BY TOWER OWNER E.C.
- 5 EER: BY TOWER OWNER E.C.
- 6 FEG: VZW E.C. SHALL BRING THE 2 AWG BARE SOLID TINNED COPPER GND. WIRE COILED UP BY TOWER OWNER E.C. FOR (FIBER ENTRANCE GROUND) INTO THE POWER PLANT CABINET AND MAKE A MECHANICAL CONNECTION TO THE FIBER SERVICE GROUND POINT. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND.
- 7 FG: BY TOWER OWNER E.C.
- 8 FTWGL: VZW E.C. SHALL CONNECT THE 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE COILED UP BY TOWER OWNER E.C. FOR THE GENERATOR ENCLOSURE. CONNECTION TO GENERATOR ENCLOSURE SHALL BE MECHANICAL. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND. *GENERATOR SERVICE GROUND WHERE REQUIRED BY JURISDICTION HAVING AUTHORITY
- 9 GEG: BY TOWER OWNER E.C.
- 10 GG: BY TOWER OWNER E.C.
- 11 GRE: BY TOWER OWNER E.C.
- 12 IBSS: VZW E.C. SHALL CONNECT 1 - 2 AWG BARE SOLID TINNED COPPER GND WIRE FOR THE POWER ENTRANCE GROUND (BEG) COILED UP BY TOWER OWNER E.C. CONNECTION OF THE COILED WIRE TO THE INTEGRATED LOAD CENTER GROUND BAR SHALL BE MECHANICAL. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND.
- 13 PEG: VZW E.C. SHALL CONNECT SOLID TINNED COPPER ONE HOLE GROUND TAB TO COILED UP GROUND WIRE BY TOWER OWNER E.C. WITH AN EXOTHERMIC CONNECTION. THE CONNECTION OF THE COILED GROUND WIRE AND LUG TO THE CANOPY SUPPORT BASE SHALL BE MECHANICAL. SEE DETAIL 3 ON SHEET G-5. ROUTE LEAD IN FLEXIBLE NONMETALLIC CONDUIT w/ANTI-THEFT COMPOUND.
- 14 PCSG: BY TOWER OWNER E.C.
- 15 TBG: VZW E.C. SHALL FURN. & INST. THEFT DETERRENT GROUND ASSEMBLY KIT PART #TDSGAPC14 FOR THE OVP GROUND (OGL) DIRECTLY TO THE OVP H-FRAME POST. SEE DETAIL 4 ON SHEET G-5.
- 16 TWG: VZW E.C. SHALL FURN. & INST. THEFT DETERRENT GROUND ASSEMBLY KIT PART #TDSGAPC14 FOR THE OVP GROUND (OGL) DIRECTLY TO THE OVP H-FRAME POST. SEE DETAIL 4 ON SHEET G-5.
- 17 UG: BY TOWER OWNER E.C.
- 18 OGA: VZW E.C. SHALL FURN. & INST. 1 - 6 AWG GREEN INSULATED STRANDED COPPER GND. WIRE FROM OVP GROUND POINT TO OVP GROUND ASSEMBLY (OGA). CONNECTION TO TOWER BAR SHALL BE MECHANICAL.
- 19 OGL: BY TOWER OWNER E.C.
- 20 OHG: VZW E.C. SHALL FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR GPS ANTENNA MOUNT PIPE TO H-FRAME SUPPORT POST (TYP. OF 2).
- 21 GPSSG: CONNECTION TO PIPE AND POST SHALL BE CADWELDED.

LEGEND

BBG	BATTERY BAY GROUND
CEPSG	COAX ENTRY PROTECTION SYSTEM GROUND
CG	CABINET GROUND
CSG	CABLE SUPPORT GROUND
EER	BURIED EXTERIOR ELECTRODE GROUND RING
ECC	EQUIPMENT GROUNDING CONDUCTOR (NEC DESIGNATION)
FEG	FIBER ENTRANCE GROUND
FG	FENCE GROUND
FTWGL	FUTURE TOWER WAVEGUIDE GROUND LEAD
GEG	GROUNDING ELECTRODE CONDUCTOR (NEC DESIGNATION)
GEG	GENERATOR ENCLOSURE GROUND
GCS	GROUNDING ELECTRODE SYSTEM (NEC DESIGNATION)
GG	GATE GROUND
GPSSG	GPS ANTENNA MOUNT GROUND
GRE	GROUND ROD ELECTRODE
IBSSG	ICE BRIDGE SUPPORT GROUND
OGA	OVP GROUND ASSEMBLY
OGL	OVP GROUND LEAD
OHG	OVP H-FRAME SUPPORT GROUND
PEG	POWER ENTRANCE GROUND
PCSG	PAD CANOPY SUPPORT GROUND DOWN LEAD
TWG	TOWER WAVEGUIDE GROUND ASSEMBLY
UG	UPPER GROUND (PIER FOUNDATION)
●	CABLE TO GND. ROD CADWELDED CONNECTION
⊗	TEST WELL
⊠	INSPECTION PORT CABLE TO CABLE CADWELDED CONNECTION

VERIZON WIRELESS GROUNDING NOTES

- ALL UNDERGROUND CONNECTIONS ON THE LIGHTNING PROTECTION SYSTEM SHALL BE EXOTHERMIC WELDED USING THE CADWELD PROCESS. THE VZW E.C. AND GENERAL CONTRACTOR E.C. SHALL FURN. & INST. ALL THESE CONNECTIONS, INCLUDING WELD METALS, MOLDS AND TOOLS. THE E.C. SHALL FURN. & INST. 5/8" x 10' COPPER CLAD STEEL (COPPER JACKET 0.0012" MIN.) GROUND RODS, DRIVEN VERTICAL TO 36" BELOW FIN. GRADE (OR 6" BELOW FROSTLINE, WHICHEVER IS GREATER) @ 10'-0" O.C. MINIMUM.
- THE VZW E.C. SHALL FURN. & INST. 2 AWG BARE SOLID TINNED COPPER GND. WIRE AT A DEPTH OF 36" BELOW FIN. GRADE FOR THE EQUIPMENT PAD (EER) AND ICE BRIDGE (CSG).
- THE GENERAL CONTRACTOR E.C. SHALL FURN. & INST. 2 AWG BARE SOLID TINNED COPPER GND. WIRE AT A DEPTH OF 36" BELOW FIN. GRADE FOR THE (TBG) AND TOWER WAVEGUIDE GROUND (TWG).
- ALL EXTERIOR GND. CONNECTIONS SHALL BE EXOTHERMIC CADWELD (U.N.O.).
- ALL CRIMP LUG CONNECTIONS TO ALL GROUND BARS SHALL BE LUBRICATED WITH A CORROSION INHIBITER ("OXY-GREASE") OR APPROVED EQUAL.
- UPON COMPLETION OF THE TOWER GROUNDING RING, THE GENERAL CONTRACTOR E.C. SHALL MEGGER TEST THE COUMPOUND GROUNDING FIELD. THE REQUIRED RESISTANCE LEVEL IS 5 OHMS OR LESS. THE GENERAL CONTRACTOR E.C. SHALL NOTIFY THE ENGINEER IF THESE REQUIREMENTS ARE NOT ACHIEVED. THE GENERAL CONTRACTOR E.C. SHALL SUBMIT PRICING TO THE TOWER OWNER FOR THE INSTALLATION OF ADDITIONAL GROUND RODS REQUIRED FOR PROPER RESISTANCE. UPON APPROVAL FROM TOWER OWNER, THE GENERAL CONTRACTOR E.C. SHALL INSTALL ADDITIONAL GROUND RODS AS REQUIRED. AFTER PASSING TEST, THE GENERAL CONTRACTOR E.C. SHALL NOTIFY TOWER OWNER 48 HOURS PRIOR TO BACKFILLING TRENCHES, POURING CONCRETE FOR FOUNDATIONS, TO INSPECT BONDS AND INSPECT ANY/ALL BREAKS AND REPAIRS TO THE GROUND RING.
- UPON COMPLETION OF THE RADIO EQUIPMENT PAD GROUNDING RING AND BEFORE BONDING TO THE TOWER GROUNDING RING, THE VZW E.C. SHALL MEGGER TEST THE EQUIPMENT PAD GROUNDING FIELD. THE REQUIRED RESISTANCE LEVEL IS 5 OHMS OR LESS. THE VZW E.C. SHALL NOTIFY THE ENGINEER IF THESE REQUIREMENTS ARE NOT ACHIEVED. THE VZW E.C. SHALL SUBMIT PRICING TO VERIZON WIRELESS FOR THE INSTALLATION OF ADDITIONAL GROUND RODS REQUIRED FOR PROPER RESISTANCE. UPON APPROVAL FROM VERIZON WIRELESS, THE VZW E.C. SHALL INSTALL ADDITIONAL GROUND RODS AS REQUIRED. AFTER PASSING TEST, THEN THE VZW E.C. SHALL BOND THE RADIO EQUIPMENT PAD GROUND RING TO THE TOWER GROUND RING. THE VZW E.C. SHALL NOTIFY VERIZON WIRELESS 48 HOURS PRIOR TO BACKFILLING TRENCHES, POURING CONCRETE FOR FOUNDATIONS, TO INSPECT BONDS AND INSPECT ANY/ALL BREAKS AND REPAIRS TO THE GROUND RING.
- GROUND SYSTEM SHALL BE VISUALLY INSPECTED BY A TOWER OWNER AND VERIZON WIRELESS CONSTRUCTION ENGINEER BEFORE BACKFILLING IF REQUESTED.
- GROUND ASSEMBLIES SHALL BE THEFT DETERRENT DESIGN AS MANUFACTURED BY ERICO INC. AND FURNISHED BY VERIZON WIRELESS. PROVIDE TWO (2) LUG HOLES PER VERIZON WIRELESS STANDARDS. UNLESS NOTED OTHERWISE.
- ALL ABOVE GROUND BARE COPPER CONDUCTORS BELOW 10' ABOVE GRADE SHALL BE INSTALLED IN FLEXIBLE PVC CONDUIT. CONDUIT SHALL BE FILLED WITH THEFT DETERRENT COMPOUND (ELECTRIC MOTION COMPANY ANTI-THEFT COMPOUND EM-5101).
- BARE COPPER CONDUCTORS SHALL NOT BE INSTALLED WHERE THEY MAY BE IN CONTACT WITH GALVANIZED METALS. THE CONDUCTORS SHALL BE INSULATED OR ENCLOSED IN PVC CONDUIT. PLASTIC SEALTIGHT OR INSTALLED WITH STANDOFF SUCH THAT NO CONTACT BETWEEN DISSIMILAR METALS MAY TAKE PLACE.
- CONNECTION OF COPPER CONDUCTORS TO GALVANIZED METAL OR ALUMINIUM SHALL BE AVOIDED. BRASS OR STAINLESS STEEL LUGS OR BARS SHALL BE USED FOR THESE CONNECTIONS.
- NO SHARP 90° BENDS SHALL BE USED. A LONG SWINGING RADIUS BEND REQUIRED.
- ALL GROUNDING SHALL BE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS.



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A	08/04/23	ISSUED FOR REVIEW
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SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

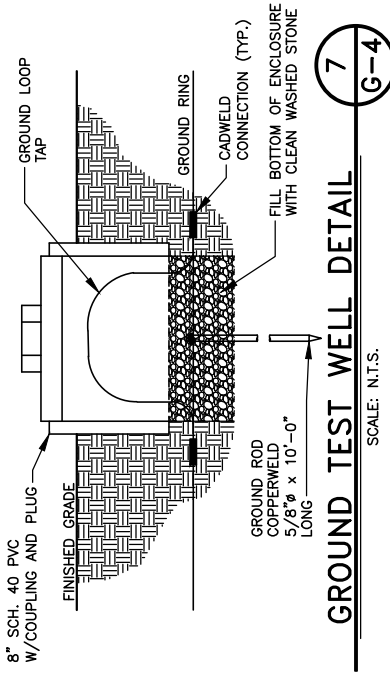
SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

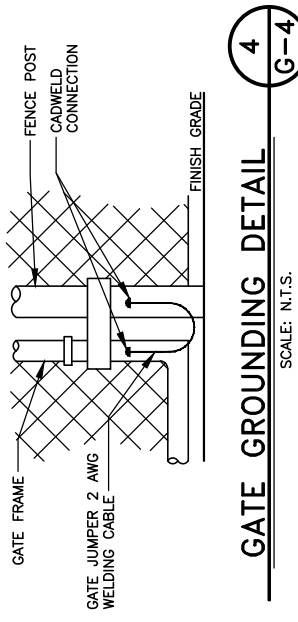
SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:
G-4

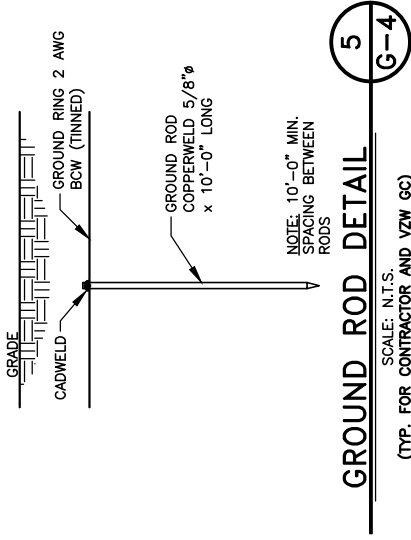
WK. PWD. & CANOPY REV. 3 FINAL 10/16/23



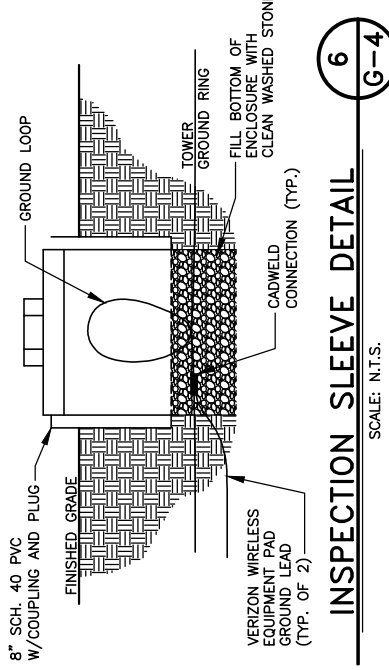
GROUND TEST WELL DETAIL
SCALE: N.T.S.



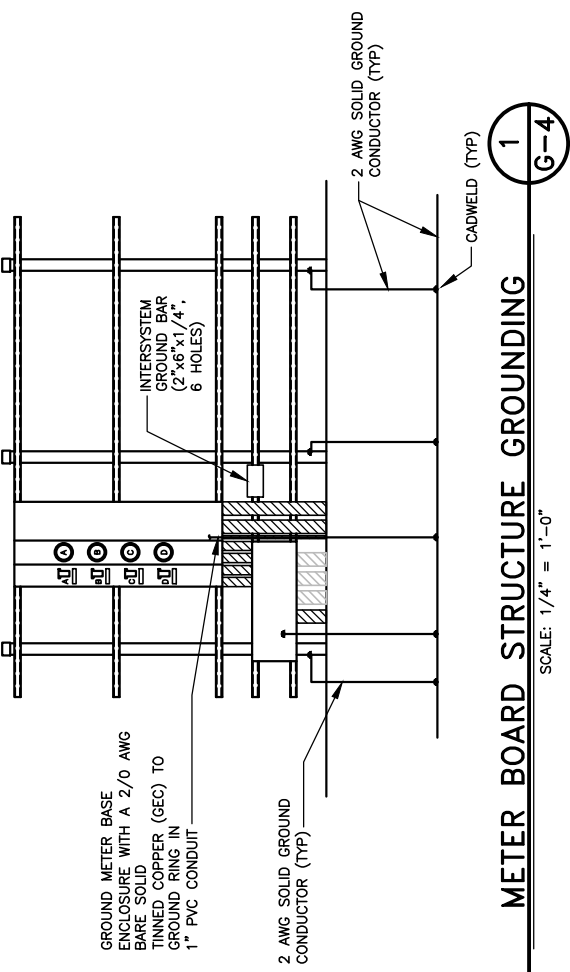
GATE GROUNDING DETAIL
SCALE: N.T.S.



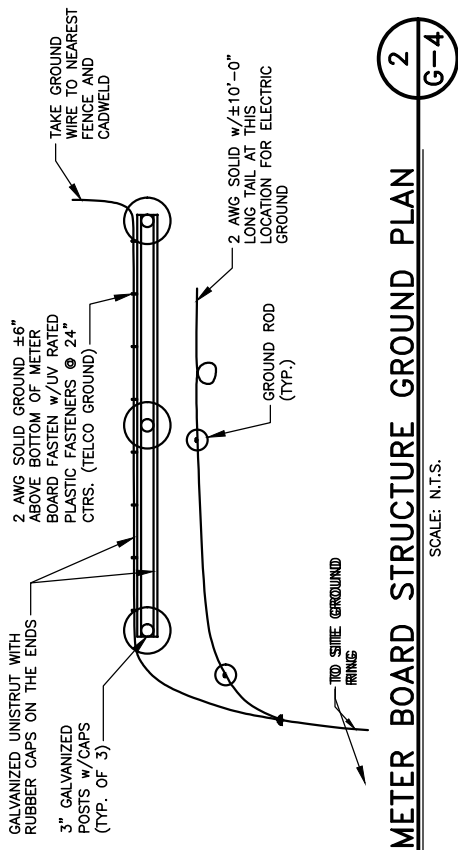
GROUND ROD DETAIL
SCALE: N.T.S.
(TYP. FOR CONTRACTOR AND VZW GC)



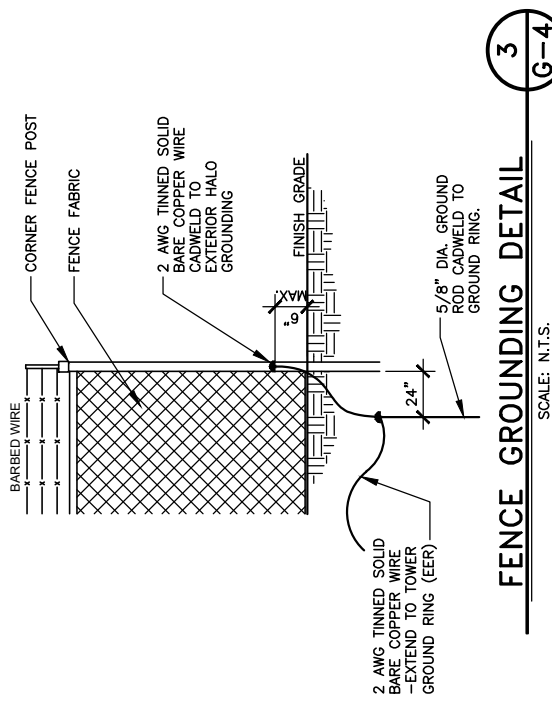
INSPECTION SLEEVE DETAIL
SCALE: N.T.S.



METER BOARD STRUCTURE GROUNDING
SCALE: 1/4" = 1'-0"



METER BOARD STRUCTURE GROUND PLAN
SCALE: N.T.S.



FENCE GROUNDING DETAIL
SCALE: N.T.S.



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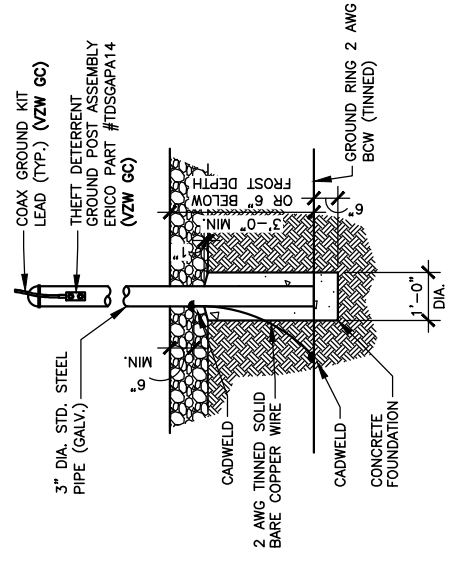
SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
GROUNDING DETAILS

SHEET NUMBER:
G-5

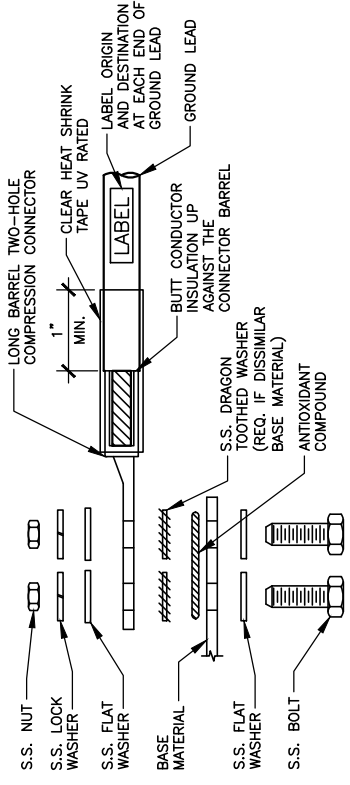
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**THEFT DETERRENT POST MOUNT
GROUND DETAIL (CEPSG)**

1
G-5

SCALE: N.T.S.
(BY VZW GC)

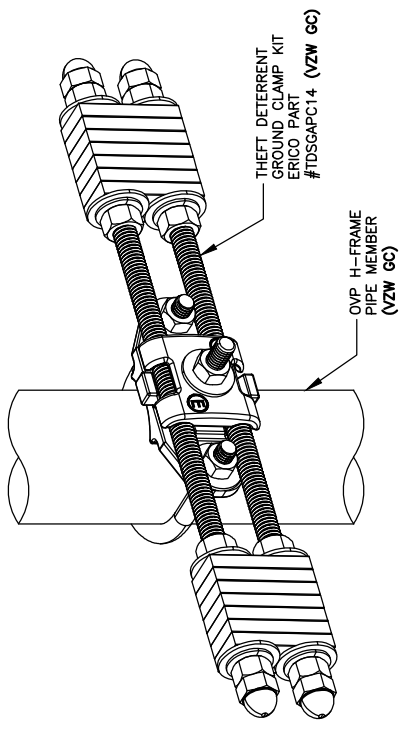


1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
2. CHOOSE BOLT LENGTH TO ALLOW EXPOSURE OF AT LEAST TWO THREADS.
3. BACK TO BACK LUG CONNECTIONS ARE ACCEPTABLE.
4. WHEN BONDED TO A GROUND BAR OR STEEL OBJECT, DISSIMILAR METALS: A DRAGON TOOTH WASHER SHALL BE USED BETWEEN THE CONNECTOR AND METAL.
5. IF NO DRAGON TOOTH WASHER IS USED, THOROUGHLY REMOVE A SECTION OF THE COATING APPROXIMATELY THE SIZE OF THE CONNECTOR WITH AN ABRASIVE STYLE TOOL.
6. No-Ox-ID ANTI-OXIDATION COMPOUND (SANCHEM) SHALL BE USED AT ALL COPPER TO COPPER CONNECTIONS.
7. A ZINC BASED (GRAY COLORED) ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO STEEL CONNECTIONS.
8. PENNTOX OR EQUAL ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO ALUMINUM CONNECTIONS.

GROUND LUG INSTALLATION DETAIL

2
G-5

SCALE: N.T.S.



OVP GROUND ASSEMBLY (OGA)

SCALE: N.T.S.
(BY VZW GC)

3
G-5



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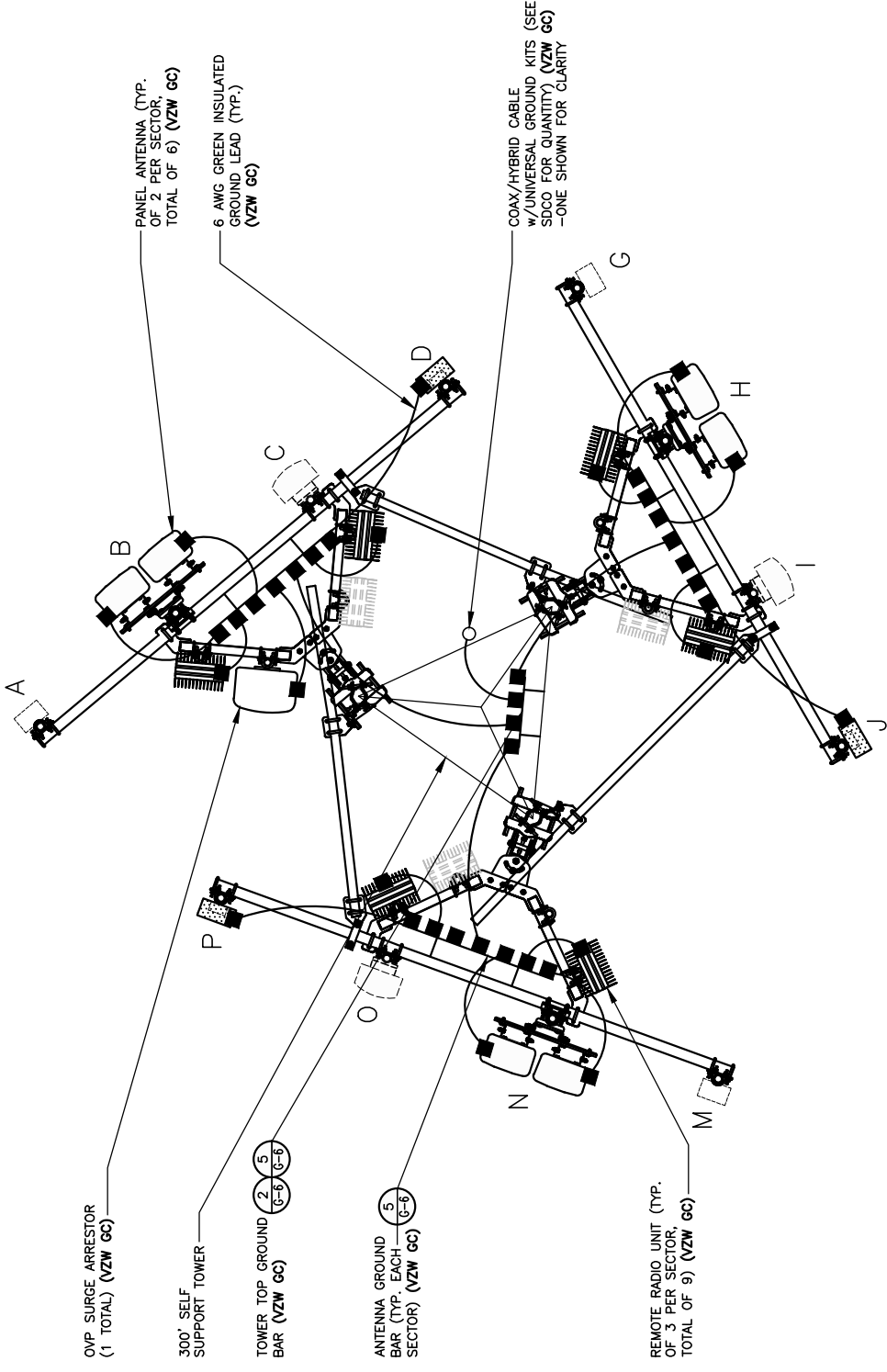
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SHEET TITLE:
GROUNDING DETAILS

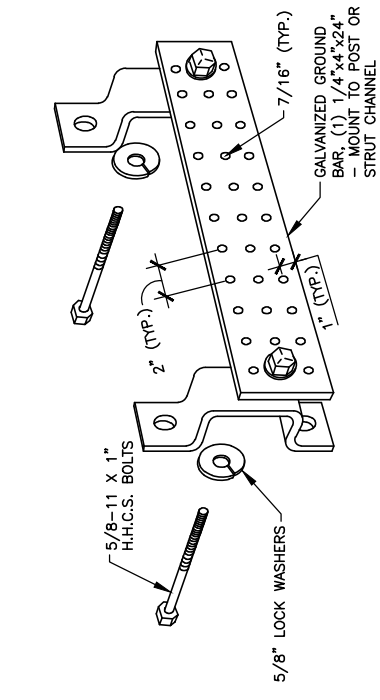
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G-6

5
G-6

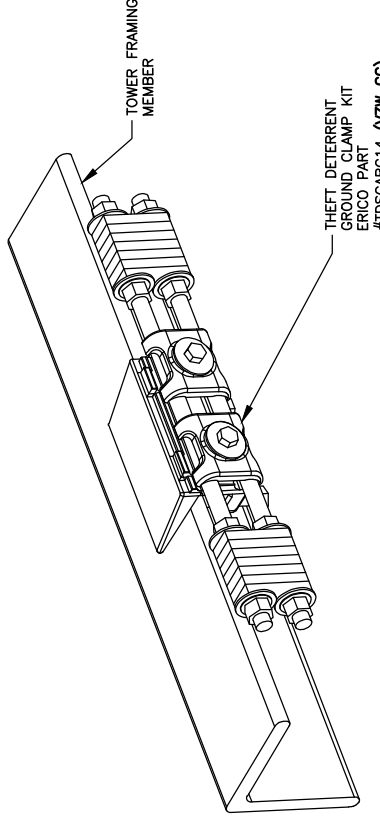
WK. PWD. & CANOPY REV. 3 FINAL 10/16/23



3
ANTENNA LEVEL GROUNDING PLAN
SCALE: N.T.S.

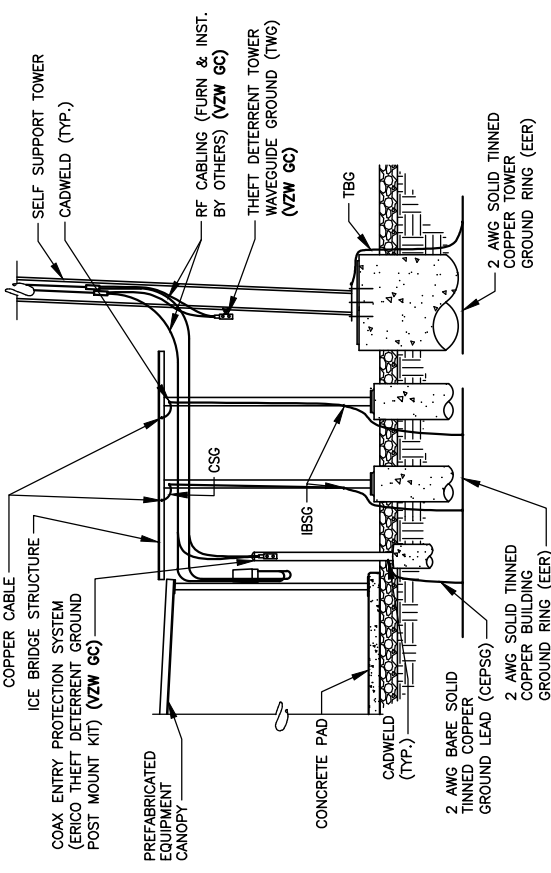


5
ANTENNA & TOWER TOP GROUND BAR
SCALE: N.T.S. (BY VZW GC)

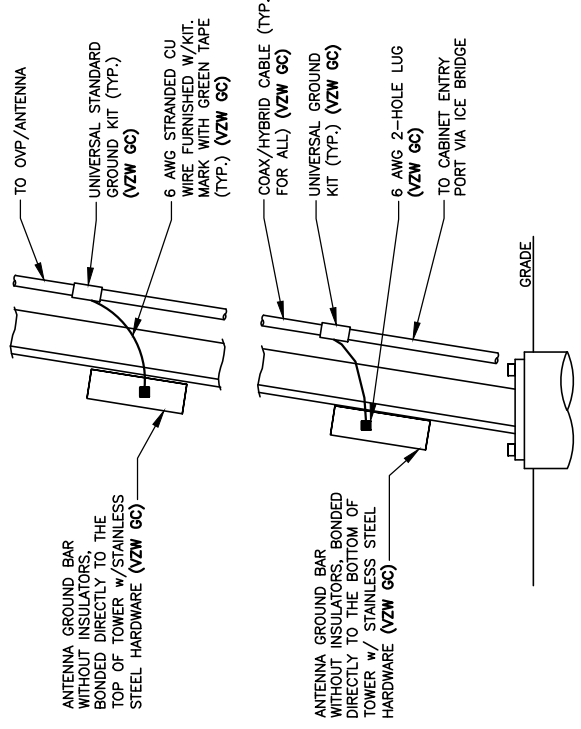


4
TOWER BOTTOM GROUND ASSEMBLY
SCALE: N.T.S. (BY VZW GC)

NOTE:
GROUNDING RING DOES NOT PENETRATE SHELTER, TOWER OR ICE BRIDGE FOUNDATIONS REFER TO ELECTRICAL SITE PLAN



1
INTERIOR/EXTERIOR GROUNDING DETAIL
SCALE: N.T.S.



NOTE:
1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION, PROVIDE AS REQUIRED (VZW GC)
2. INSTALL UNIVERSAL GROUND KITS AT ALL GROUND BAR LOCATIONS. (VZW GC)

2
ANTENNA CABLE GROUNDING INSTALLATION DETAIL
SCALE: N.T.S.



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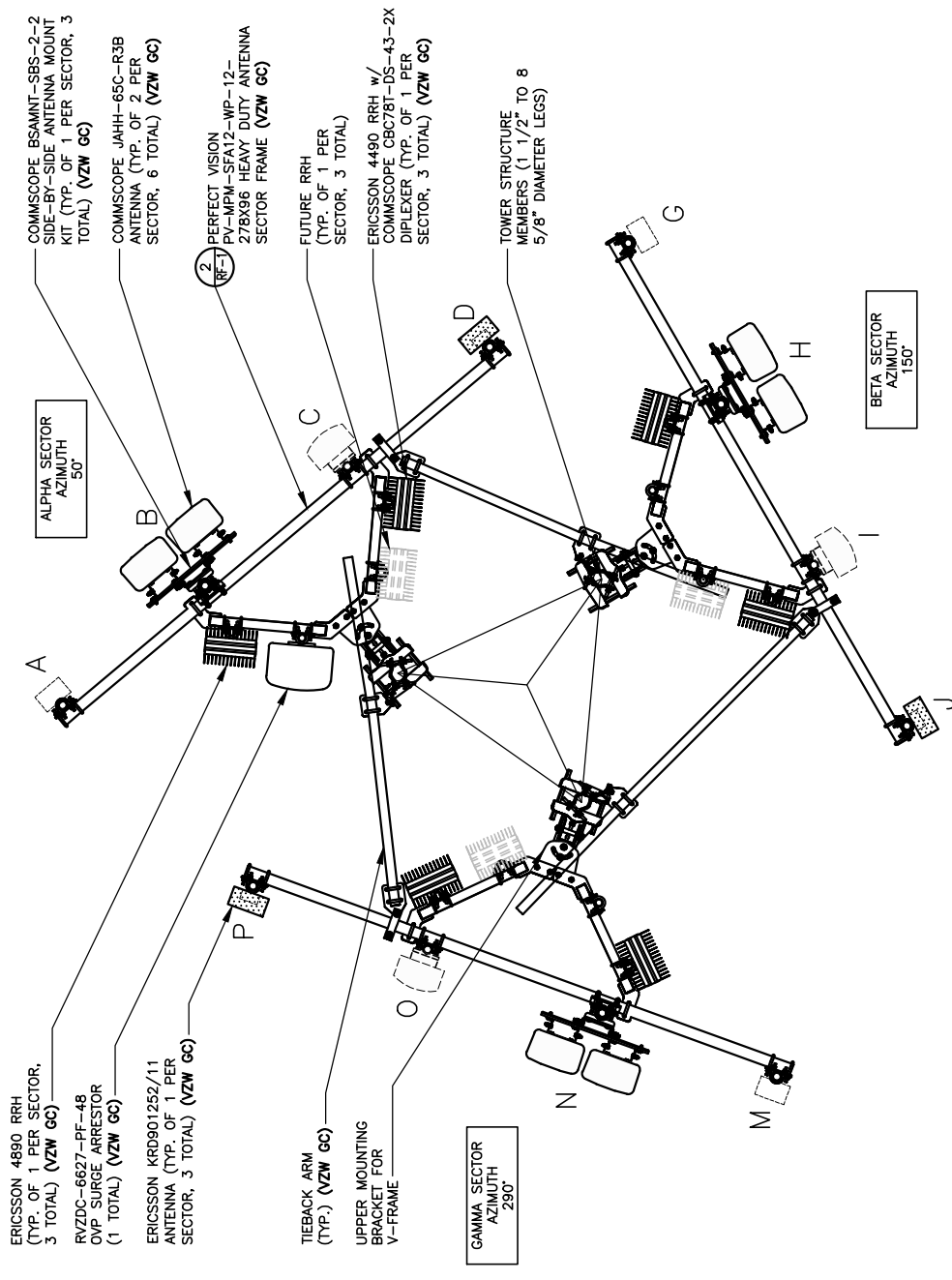
SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
ANTENNA PLAN AND DETAILS (REFERENCE ONLY)

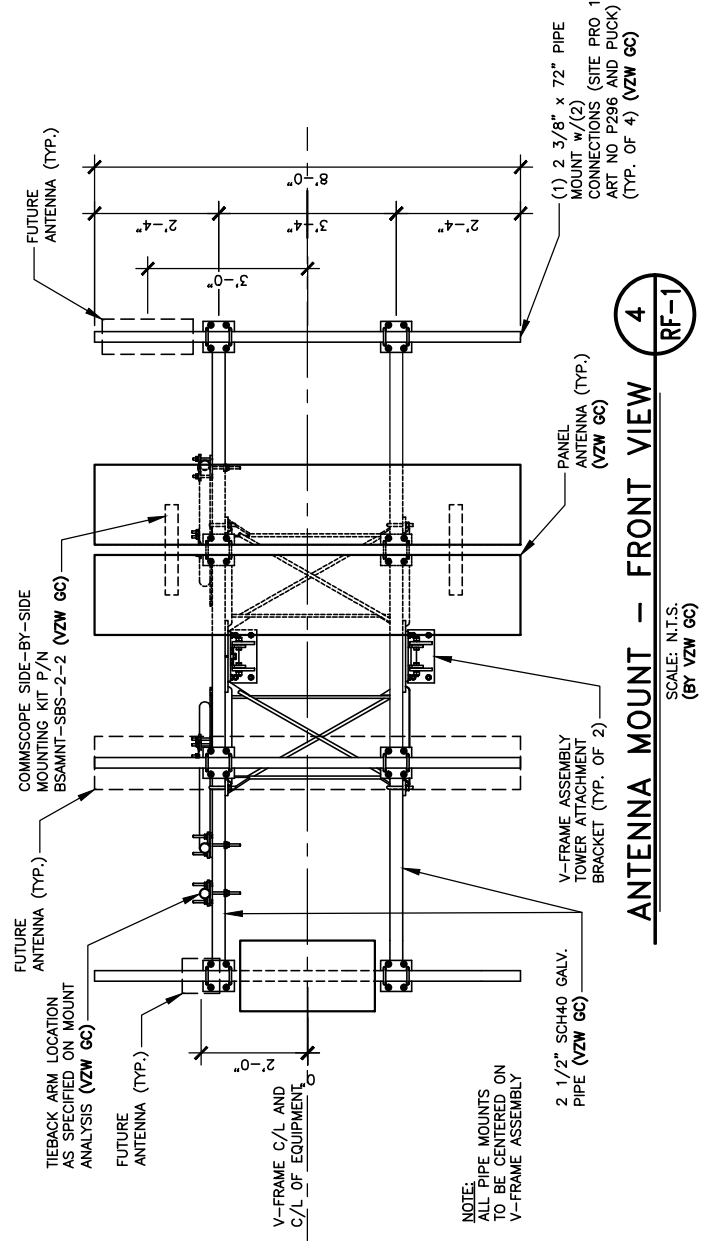
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RF-1

WK PNO & CANOPY REV 3 FINAL 10/16/23



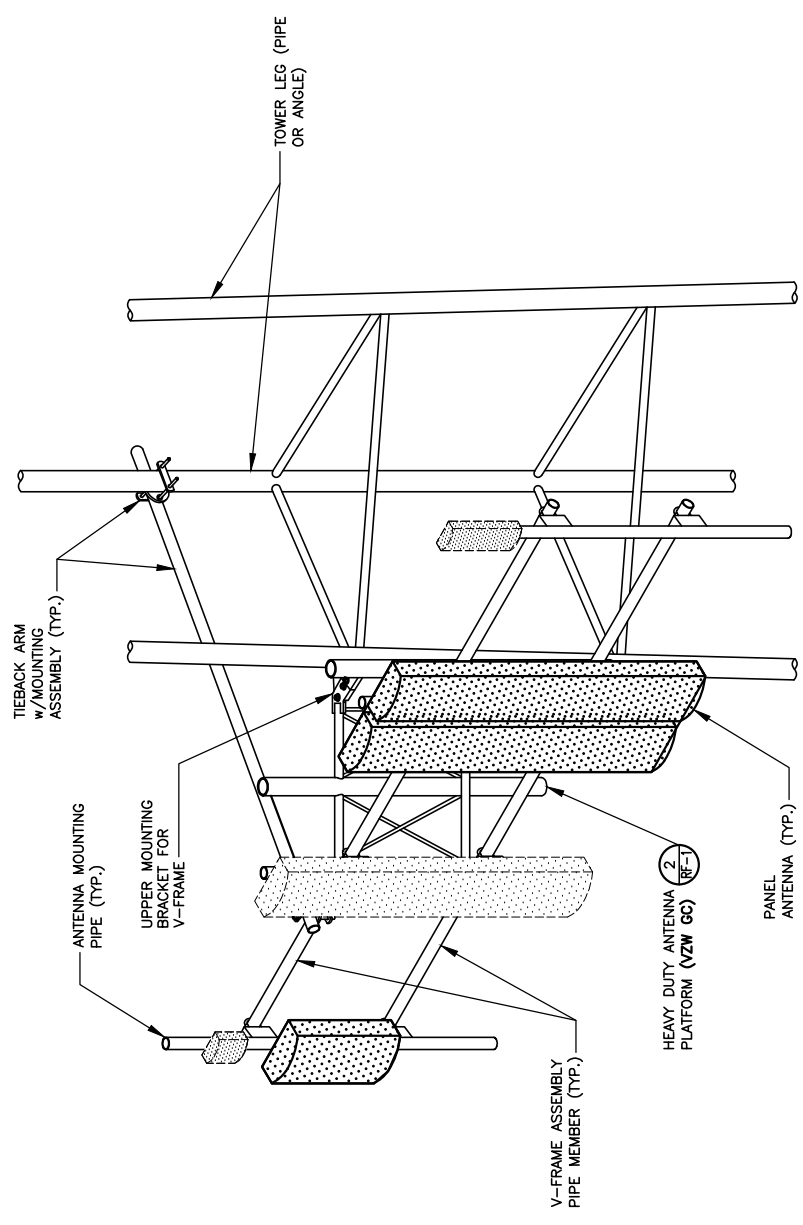
NOTE:
FINAL ANTENNA LEVEL PLAN AND PASSING MOUNT ANALYSIS MUST MATCH. NOTIFY VZW CONSTRUCTION MANAGER IF DISCREPANCY EXISTS.

ANTENNA LAYOUT - PLAN VIEW
SCALE: N.T.S. (BY VZW GC)

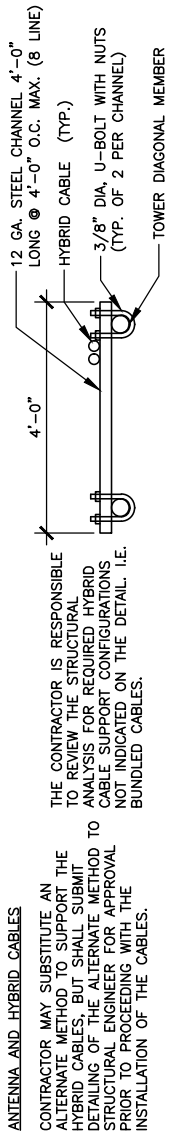


NOTE:
ALL PIPE MOUNTS TO BE CENTERED ON V-FRAME ASSEMBLY

ANTENNA MOUNT - FRONT VIEW
SCALE: N.T.S. (BY VZW GC)



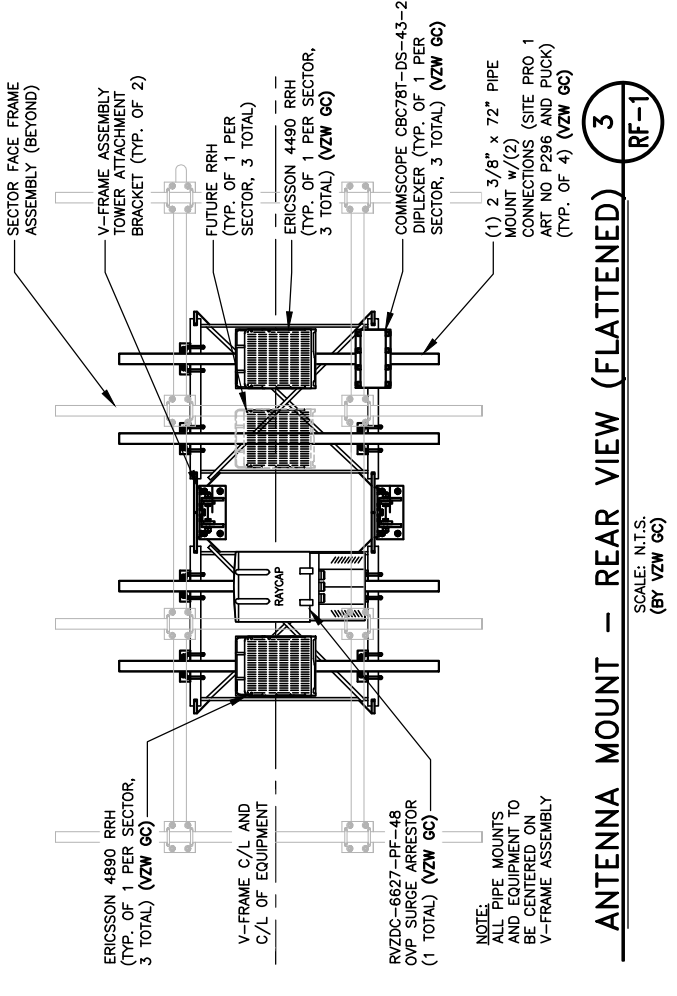
ANTENNA MOUNT
SCALE: N.T.S. (BY VZW GC)



HYBRID CABLE SUPPORT DETAIL
SCALE: N.T.S. (BY VZW GC)

GENERAL NOTES:

1. VERIFY EACH HYBRID CABLE LENGTH, DIAMETER, ROUTING, AND ALL MOUNTING APPURTENANCES WITH OWNER PRIOR TO ORDER.
2. THE MAXIMUM HYBRID CABLE LENGTH HAS BEEN ESTIMATED AT FEET, APPROXIMATELY. ACTUAL ANTENNA CABLE LENGTH MAY VARY FROM ESTIMATED MAXIMUM LENGTH AND MUST BE VERIFIED.
3. TAG ALL MAIN CABLES AT TWO (2) LOCATIONS. 1) AT ANTENNAS 2) OUTSIDE EQUIPMENT CABINET NEAR THE WAVEGUIDE ENTRY PORT.
4. EACH CABLE SHALL BE GROUNDING AT (3) THREE LOCATIONS. ANTENNA LEVEL ON TOWER, TOWER BASE, AND EQUIPMENT H-FRAME.
5. HYBRID CABLES TO BE SUPPORTED EVERY 36\"/>



NOTE:
ALL PIPE MOUNTS AND EQUIPMENT TO BE CENTERED ON V-FRAME ASSEMBLY

ANTENNA MOUNT - REAR VIEW (FLATTENED)
SCALE: N.T.S. (BY VZW GC)



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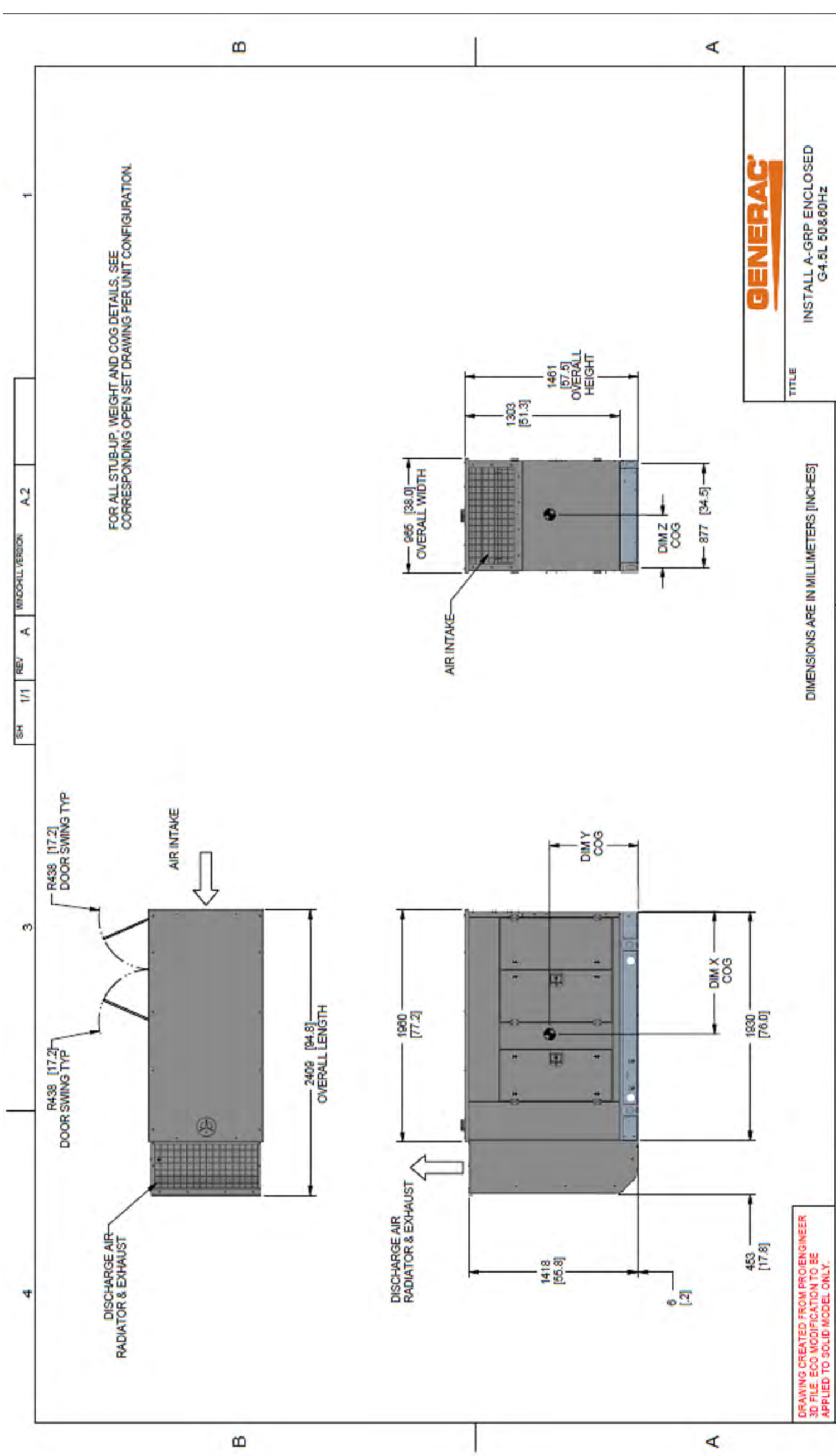
PID NUMBER:
16913443

DRAWN BY: RC
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SHEET TITLE:
GENERATOR SPECIFICATIONS
(REFERENCE ONLY)

SHEET NUMBER:
REF-1

WIK PWD & CANOPY REV. 3 FINAL 10/16/23



TITLE
INSTALL A-GRP ENCLOSED
G4.5L 50&60Hz

ISSUE DATE:	SIZE:	CAGE NO:	DWG NO:	WT-KG:	N/A:	SHEET:	REV:
	B	N/A	A0000335178			1	A
				0.035			1 of 1

GENERAC POWER SYSTEMS IS A DIVISION OF DELTA ELECTRONICS CORPORATION. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. ANY DIMENSIONS IN PARENTHESES ARE APPROXIMATE. DIMENSIONS ARE IN MILLIMETERS [INCHES]. ELECTRONICALLY APPROVED INSIDE WINDTIGHT.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

INSTALLATION DRAWING

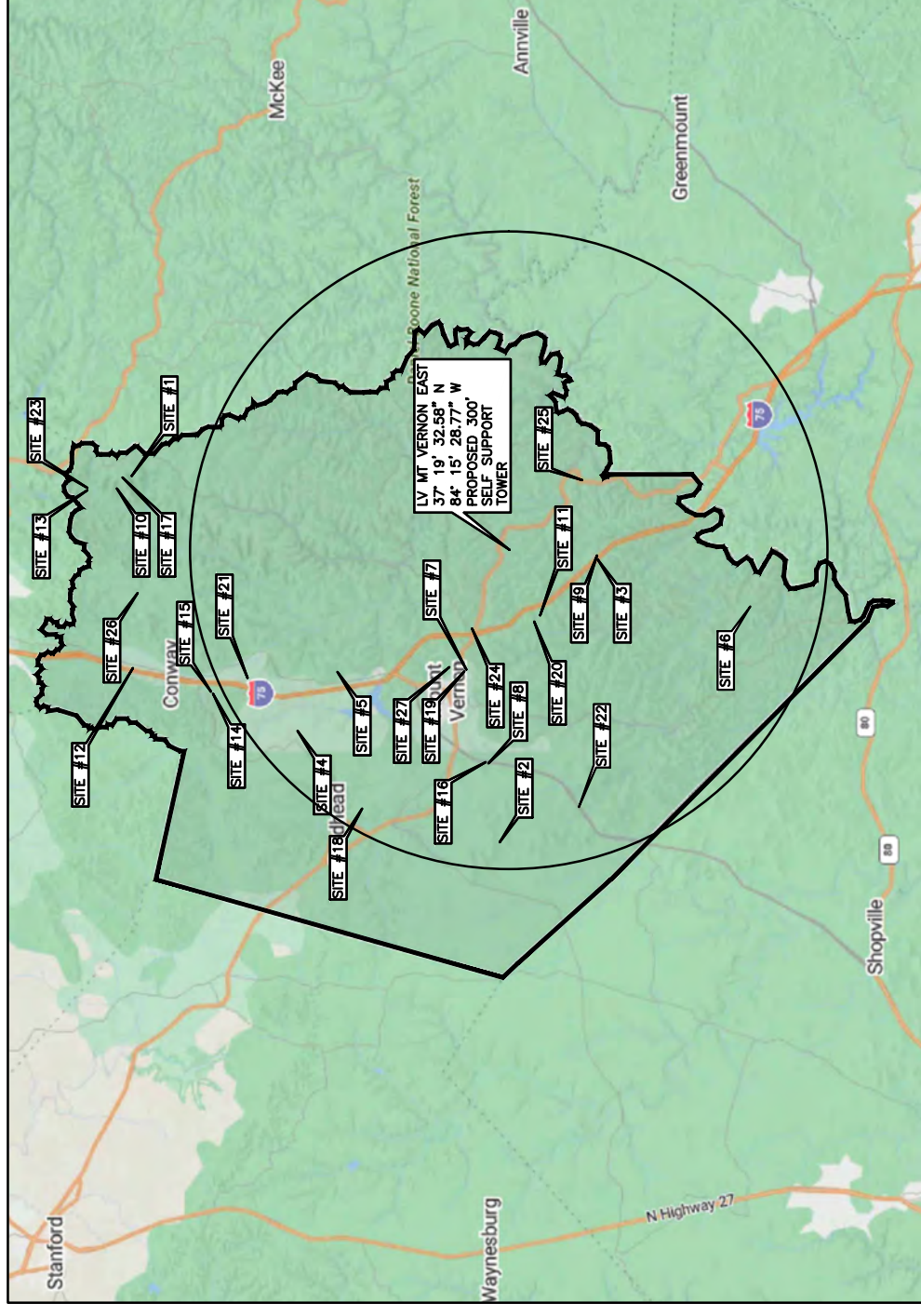
DRAWING CREATED FROM PROENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

SH	REV	WINDCHILL VERSION	A.2	A	1/1	1
4						
3						
2						
1						

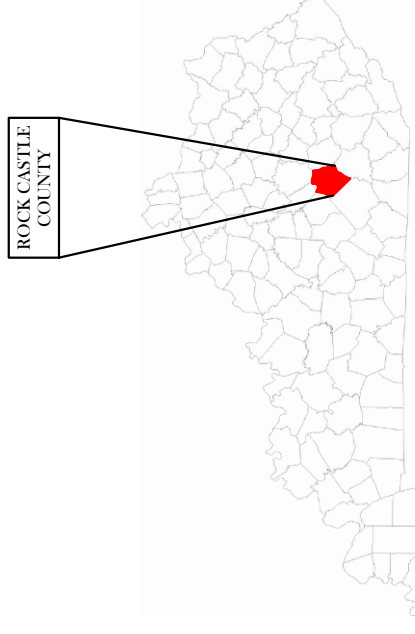
RURAL CELLULAR
CORP D/B/A



CITY OF MT VERNON
ROCK CASTLE COUNTY, KENTUCKY
VERIZON WIRELESS SITE LV MT
VERNON EAST
TOWER LOCATION EXHIBIT



MAP_NOT TO SCALE



KENTUCKY

- SITE#1: FCC# 1008337, AMERICAN TOWERS (DELAWARE), INC, LLC 37° 30' 15.0\"/>
- SITE#2: FCC# 1042054, BELLSOUTH TELECOMMUNICATIONS, INC, LLC 37° 20' 04.1\"/>
- SITE#3: FCC# 1042208, GLOBAL TOWER, LLC, THROUGHAMERICAN TOWERS, LLC 37° 17' 21.0\"/>
- SITE#4: FCC# 1042209, GLOBAL TOWER, LLC, THROUGHAMERICAN TOWERS, LLC 37° 25'40.0\"/>
- SITE#5: FCC# 1043626, CELLULAR PHONE OF KENTUCKY, INC, LLC 37° 24' 34.0\"/>
- SITE#6: FCC# 1043627, CELLULAR PHONE OF KENTUCKY, LLC 37° 13' 06.3\"/>
- SITE#7: FCC# 1044617, KENTUCKY UTILITIES COMPANY, LLC 37° 21' 00.0\"/>
- SITE#8: FCC# 1044811, KENTUCKY, COMMONWEALTH OF, LLC 37° 20' 23.7\"/>
- SITE#9: FCC# 1047745, HUFF, ETHEL DBA = WYGE FM, LLC 37° 17' 22.0\"/>
- SITE#10: FCC# 1056243, VOICE, VIDEO, & DATA SERVICES INC, LLC 37° 30' 38.0\"/>
- SITE#11: FCC# 1204260, CROWN COMMUNICATIONS, LLC 37° 18' 57.1\"/>
- SITE#12: FCC# 1204267, CROWN COMMUNICATIONS, LLC 37° 30' 14.0\"/>
- SITE#13: FCC# 1207089, MADISON, COUNTY OF, LLC 37° 31' 37.3\"/>
- SITE#14: FCC# 1228218, AMERICAN TOWER THROUGHUNISITE, INC, LLC 37° 28' 01.7\"/>
- SITE#15: FCC# 1228349, AMERICAN TOWER THROUGHUNISITE, INC, LLC 37° 28' 01.7\"/>
- SITE#16: FCC# 1230621, SBA INFRASTRUCTURES, LLC 37° 20' 26.7\"/>
- SITE#17: FCC# 1233662, LONDON RADIO SERVICE, INC, LLC 37° 30' 32.3\"/>
- SITE#18: FCC# 1242831, SBA 2012 TC ASSETS, LLC, 37° 23' 53.4\"/>
- SITE#19: FCC# 1242832, SBA 2012 TC ASSETS, LLC, 37° 21' 02.1\"/>
- SITE#20: FCC# 1246941, CELCO PARTNERSHIP LLC, 37° 19' 06.0\"/>
- SITE#21: FCC# 1246951, CELCO PARTNERSHIP LLC, 37° 27' 00.8\"/>
- SITE#22: FCC# 1260232, SBA TOWERS III LLC, 37° 17' 52.7\"/>
- SITE#23: FCC# 1269019, MADISON COUNTY EMERGENCYMANAGEMENT AGENCY, 37° 31' 37.4\"/>
- SITE#24: FCC# 274515, LONDON RADIO SERVICE, INC, 37° 20' 46.6\"/>
- SITE#25: FCC# 1299205, ENGLE,VERNON, 37° 17' 46.8\"/>
- SITE#26: FCC# 1309542, ECO-SITE LLC, 37° 30' 05.3\"/>
- SITE#27: FCC# 1317789, UNITI TOWERS LLC, 37° 21' 11.7\"/>



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SHEET TITLE:
PSC MAP

SHEET NUMBER:
PSC-1
MK PWD & CANOPY REV. 3 FINAL 10/16/23



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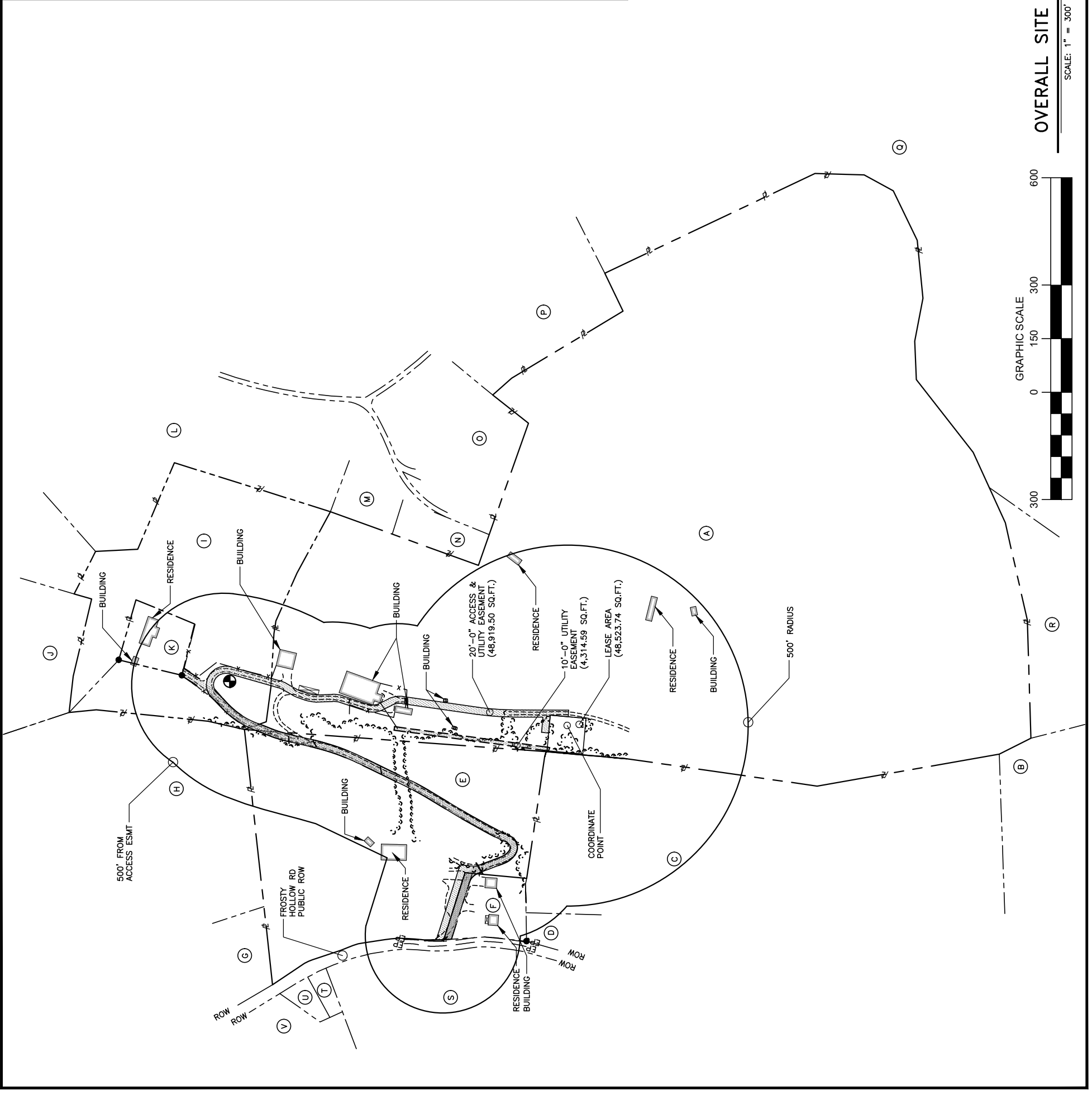
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SHEET TITLE:
PSC MAP

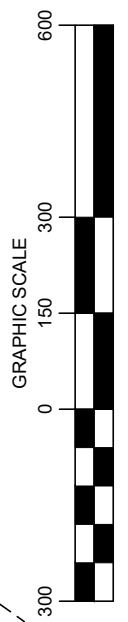
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PSC-2
WK PSC & CANOPY REV 3 FINAL 10/16/23

Ⓐ	PARCEL # 074-00-002 COLLINS, CLYDE R & MAGDALINE 317 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓓ	PARCEL # 073SW-00-032.03 COLLINS, ADAM G 170 CARDINAL HOLLOW RD MT VERNON, KY 40456
Ⓑ	PARCEL # 074-00-028 BUSTLE, VIRGIL 750 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓜ	PARCEL # 074-00-002.03 ALLEN, HAYES & TERRY GOFF 230 CARDINAL HOLLOW RD MT VERNON, KY 40456
Ⓒ	PARCEL # 074-00-030 BULLOCK, LARRY & DONNA 639 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓝ	PARCEL # 074-00-001 JAKES, KENNETH JR & DORANDA L 234 CARDINAL HOLLOW RD MT VERNON, KY 40456
Ⓓ	PARCEL # 073SW-00-015.01 CROMER, THOMAS LEE 385 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓞ	PARCEL # 074-00-002.01 ROTH, STEPHEN E & KIM D 241 CARDINAL HOLLOW RD MT VERNON, KY 40456
Ⓔ	PARCEL # 073SW-00-016 COLLINS, CLYDE R 317 FROSTY HOLLOW RD @ PINE HILL MT VERNON, KY 40456	Ⓟ	PARCEL # 074-00-037 COLLINS, DONNIE & CAROLYN 324 CARDINAL HOLLOW RD MT VERNON, KY 40456
Ⓕ	PARCEL # 073SW-00-016.01 LAWS, DAVID & REGINA 315 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓠ	PARCEL # 074-00-023 & ETC POYNTER, DAVID & YOLANDA 6254 S WILDERNESS RD MT VERNON, KY 4056
Ⓖ	PARCEL # 073SW-00-026 MARTIN, ALEX & MELISSA 2774 JOHNSON RD LONDON, KY 40741	Ⓡ	PARCEL # 074-00-023.03 COLLINS, CLYDE R & MAGDALENE 317 FROSTY HOLLOW RD MT VERNON, KY 40456
Ⓗ	PARCEL # 073SW-00-027 COLLINS, KENNETH B & TAWANA PO BOX 1907 MT VERNON, KY 40456	Ⓢ	PARCEL # 074-00-032.01 HUNT, CARLTON PO BOX 3190 MT VERNON, KY 40456
Ⓙ	PARCEL # 073SW-00-032.04 COLLINS, CLYDE R & MADALENE 317 FROSTY HOLLOW RD MT VERNON, KY 40456	Ⓣ	PARCEL # 073SW-00-014.01 HUNT, CARLTON PO BOX 3190 MT VERNON, KY 40456
Ⓚ	PARCEL # 073SW-00-031 ETC COLLINS, PATRICIA A & CLIFFORD 3216 S WILDERNESS RD MT VERNON, KY 40456	Ⓤ	PARCEL # 073SW-00-014.02 HUNT, CARLTON PO BOX 3190 MT VERNON, KY 40456
		Ⓥ	PARCEL # 073SW-00-014 RICHARDSON, PHYLIS 174 FROSTY HOLLOW RD MT VERNON, KY 40456

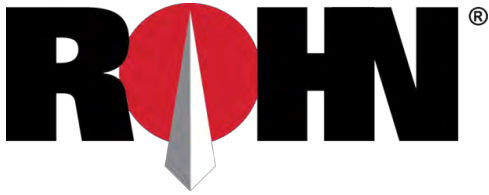


OVERALL SITE PLAN

SCALE: 1" = 300'



* ADJOINING LAND OWNERS LISTED ARE BASED ON PROPERTY VALUATION ADMINISTRATION ("PVA") RECORDS. ISSUED BY A REPRESENTATIVE FROM ROCKCASTLE COUNTY, TO BE IN COMPLIANCE WITH ALL STATUTORY AND REGULATORY REQUIREMENTS BEFORE THE KENTUCKY PUBLIC SERVICE COMMISSION AND FOR TELECOMMUNICATION USE ONLY.



1 Fairholm Avenue
Peoria, IL 61603 USA
Phone: (309)-566-3000
Fax: (309)-566-3079

DATE: SEPTEMBER 18, 2023

PURCHASER: TAG TOWERS, LLC

PROJECT: 300FT RTL SELF SUPPORT TOWER
MT VERNON EAST, KY

FILE NUMBER:244307

I CERTIFY THAT THE ATTACHED DRAWINGS WERE PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE DESIGN AND LOADING CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.

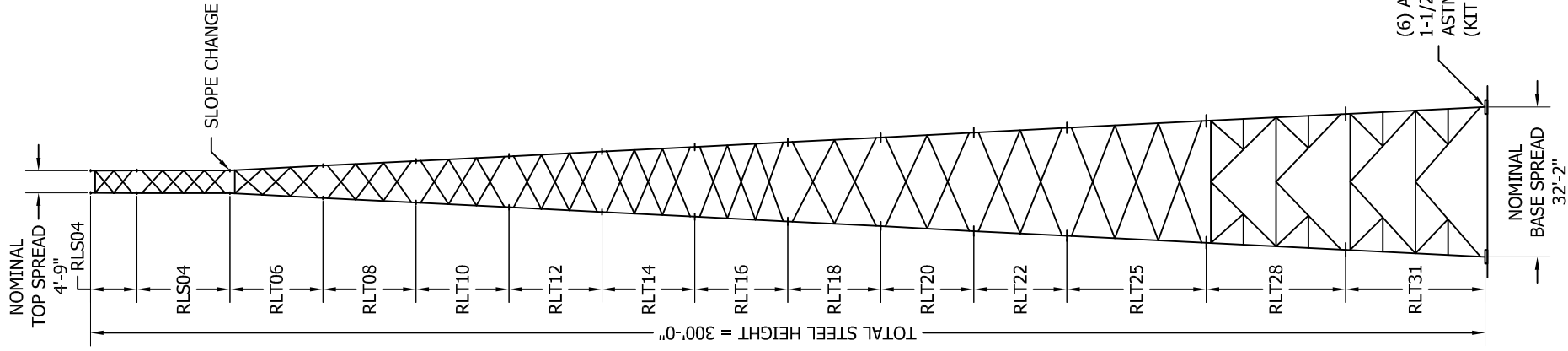
Allen Schneider

09/18/2023

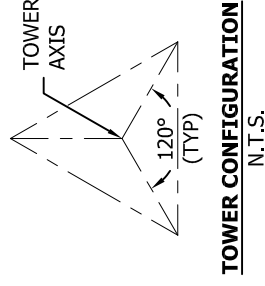


GENERAL NOTES

- ROHN PRODUCTS, LLC TOWER DESIGNS CONFORM TO ANSI/TIA-222-H UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
- THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA-222-H AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
- ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
- STEP BOLTS WITH SAFETY CLIMB SYSTEM ARE PROVIDED AS A CLIMBING FACILITY FOR THE INSTALLATION OF THE STRUCTURE.
- TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
- WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA-222-H, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES".
- THE MINIMUM YIELD STRENGTH OF STRUCTURAL STEEL MEMBERS SHALL BE 50 KSI.
- FIELD CONNECTIONS SHALL BE BOLTED. NO FIELD WELDS SHALL BE ALLOWED.
- STRUCTURAL BOLTS SHALL CONFORM TO GRADE A325 PER ASTM F3125, EXCEPT WHERE NOTED.
- A NUT LOCKING DEVICE IS PROVIDED FOR ALL TOWER BOLTS.
- STRUCTURAL STEEL AND CONNECTION BOLTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION, IN ACCORDANCE WITH ANSI/TIA-222-H.
- ALL HIGH STRENGTH BOLTS, UNLESS OTHERWISE NOTED FOR DOUBLE ANGLE MEMBERS, ARE TO BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED IN THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". NO OTHER MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED.
- PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
- TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
- DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA-222-H.
- DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
- DESIGN ASSUMES ALL ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE, IF APPLICABLE.
- FOUNDATIONS SHALL BE DESIGNED TO SUPPORT THE REACTIONS SHOWN FOR THE CONDITIONS EXISTING AT THE SITE.



MAXIMUM FACTORED REACTIONS	
COMPRESSION PER LEG	= 409.2 KIPS
TENSION PER LEG	= 351.6 KIPS
SHEAR PER LEG	= 35.2 KIPS
TOTAL SHEAR	= 57.3 KIPS
TOTAL O.T.M	= 10,747.8 FT-KIPS



(6) ANCHOR BOLTS (18 TOTAL)
1-1/2" DIA. X 74" LONG
ASTM F1554 Gr. 105
(KIT P/N: 18K3216RTFST)

TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-222-H USING THE FOLLOWING DESIGN CRITERIA:
RISK CATEGORY: II
BASIC WIND SPEED (NO ICE): 105 MPH PER ASCE 7-16
BASIC WIND SPEED (W/ICE): 30 MPH PER ASCE 7-16
DESIGN ICE THICKNESS: 1.50 INCHES PER ASCE 7-16
GROUND ELEVATION, Zs: 1,191 FT
EXPOSURE CATEGORY: B
TOPOGRAPHIC METHOD: 1, CATEGORY: 1
SEISMIC DESIGN PARAMETERS, Ss: 0.201, Si: 0.087, Tl: 12, SITE CLASS: D

THIS STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA LOADING	LINE SIZE (NOM)
TOP	BEACON & LIGHTNING ROD	(1) 0-3/4" CONDUIT
295	42,000 SQ-IN [292 SQFT] MAX EPA	(2) 1-5/8"
280	25,000 SQ-IN [174 SQFT] MAX EPA	(2) 1-5/8"
265	25,000 SQ-IN [174 SQFT] MAX EPA	(2) 1-5/8"
250	25,000 SQ-IN [174 SQFT] MAX EPA	(2) 1-5/8"

SECTION MAIN MEMBER SCHEDULE

SECTION	LEGS	DIAGONALS	HORIZONTALS
RLS04	PIPE 2.875x0.203	L1 3/4x1 3/4x1/8 (2)	L1 3/4x1 3/4x3/16 (1)
RLS04	PIPE 3.500x0.216	L1 3/4x1 3/4x1/8 (4)	N/A
RLT06	PIPE 4.500x0.237	L1 3/4x1 3/4x1/8 (3)	L1 3/4x1 3/4x3/16 (1)
RLT08	PIPE 5.563x0.258	L2x2x1/8 (3)	N/A
RLT10	PIPE 5.563x0.375	L2x2x3/16 (3)	N/A
RLT12	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RLT14	PIPE 5.563x0.375	L2 1/2x2 1/2x3/16 (3)	N/A
RLT16	PIPE 6.625x0.340	L2 1/2x2 1/2x3/16 (3)	N/A
RLT18	PIPE 6.625x0.432	L3x3x3/16 (2)	N/A
RLT20	PIPE 6.625x0.432	L3x3x3/16 (2)	N/A
RLT22	PIPE 8.625x0.375	L3 1/2x3 1/2x1/4 (2)	N/A
RLT25	PIPE 8.625x0.375	L4x4x1/4 (3)	N/A
RLT28	PIPE 8.625x0.375	L4x4x1/4 (2)	L3 1/2x3 1/2x1/4 (2)
RLT31	PIPE 8.625x0.375	L4x4x1/4 (2)	L4x4x1/4 (2)

NOTE:

SECTION NUMBERS ARE FOR REFERENCE ONLY.
FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS.
THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

FILE NO.

244307

REV.	DESCRIPTION	DWN	CHK	APP



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PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

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TAG TOWERS, LLC
DESIGN PROFILE
300 FT RTL TOWER
MT VERNON EAST, KY

DWN:	AS	CHK'D:	SY	DATE:	09/18/2023
ENGR:	AS	SHEET #:	1 OF 1		
PRJ. ENGR:	AS	PRJ. MANGR:			

DRAWING NO:

244307-01-D1

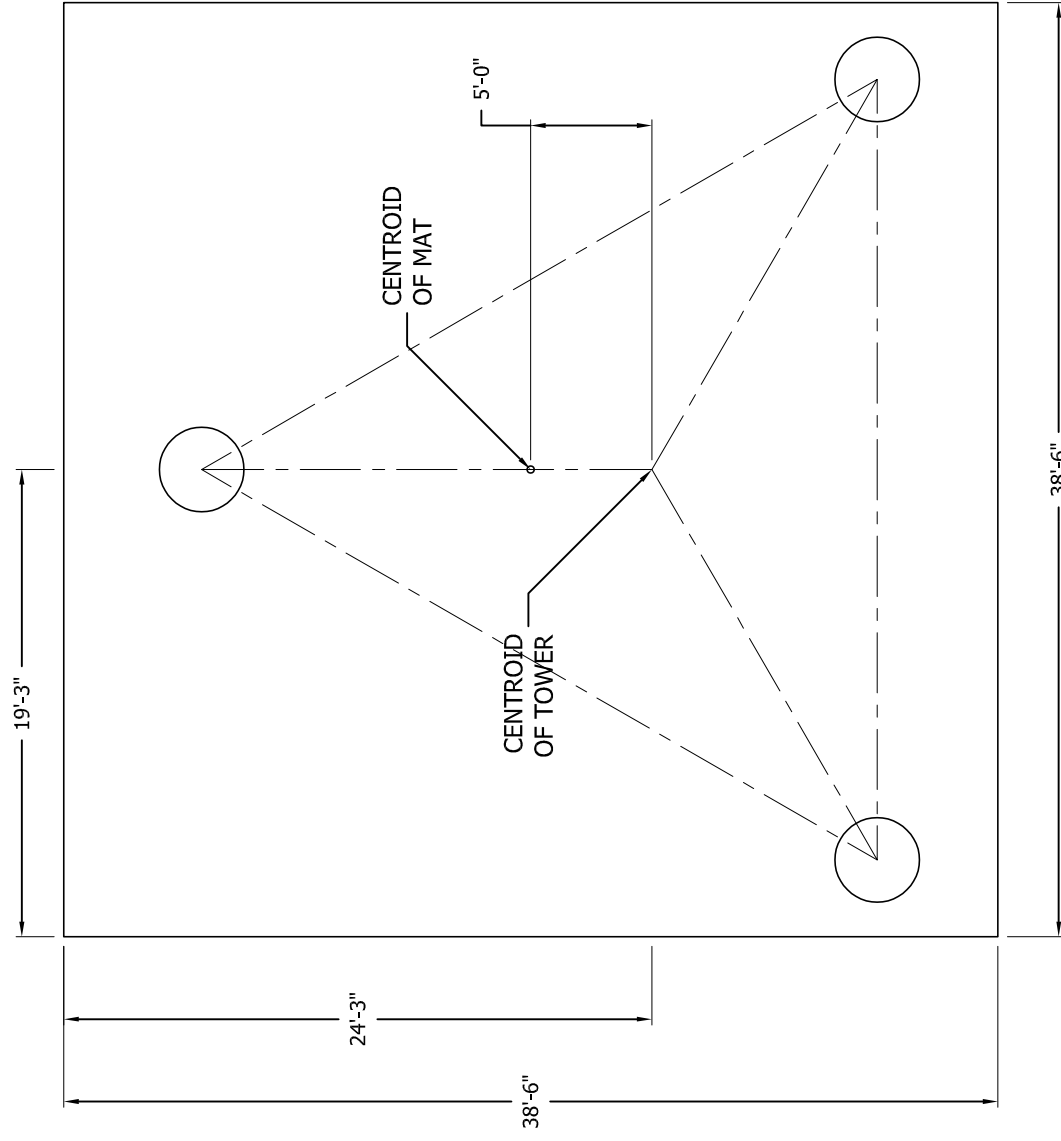
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REVISIONS			
REV.	DESCRIPTION	DWN	CHK APP

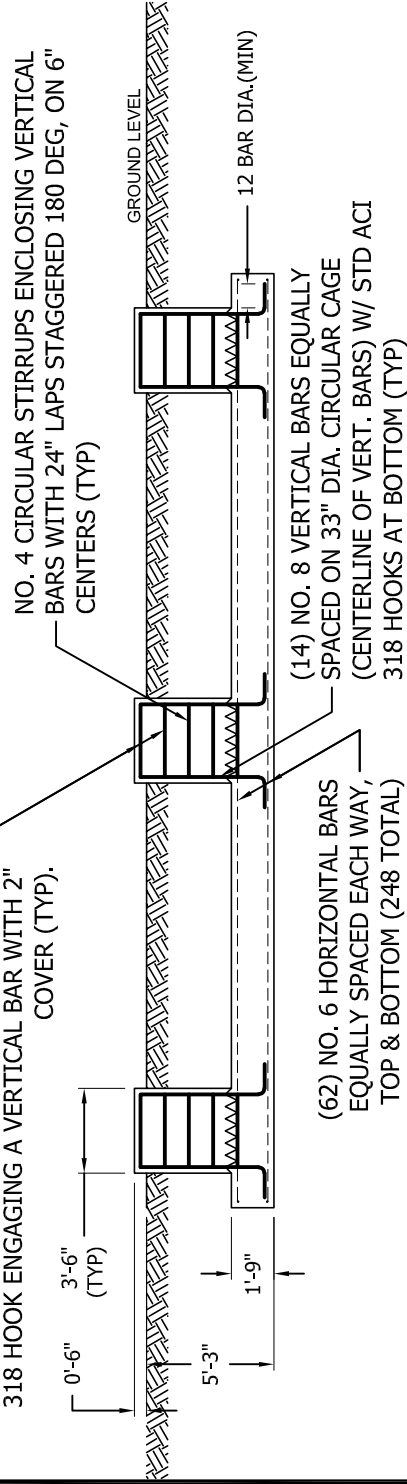
GENERAL NOTES

- FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
 - ULTIMATE SOIL BEARING PRESSURE AT 5.25 FT DEPTH = 11,500 PSF.
 - GROUND WATER TABLE IS AT OR BELOW FOUNDATION DEPTH.
 - MAXIMUM FROST PENETRATION DEPTH LESS THAN FOUNDATION DEPTH.
- WORK SHALL BE IN ACCORDANCE WITH THE PROJECT CONSTRUCTION DOCUMENTS, LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
- CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI IN 28 DAYS.
- MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 3/4 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING SHALL BE UTILIZED TO PREVENT HONEYCOMBS OR VOIDS.
- REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
- WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH MINIMUM COVER ON REINFORCEMENT.
- CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES NOR BE LESS THAN 2 INCHES.
- FOUNDATION DESIGN ASSUMES STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D1557. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 110 POUNDS PER CUBIC FOOT.
- FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **23121213** DATED **09/13/2023** BY **ENGINEERED TOWER SOLUTIONS, PLLC**.
- FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION.
- FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- ALL CONSTRUCTION AND SAFETY EQUIPMENT AND TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE CONTRACTOR BASED ON THE MEANS AND METHODS CHOSEN BY THE CONTRACTOR. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED BY COMPETENT, QUALIFIED AND TRAINED PERSONNEL.
- FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- FOR FOUNDATION AND ANCHOR TOLERANCES SEE ANCHOR ROD LAYOUT DRAWING.
- LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- CONCRETE PREFERABLY SHALL BE PLACED AGAINST UNDISTURBED SOIL. WHEN FORMS ARE NECESSARY, THEY SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
- CONSTRUCTION JOINTS, IF REQUIRED AT THE BASE OF THE PIERS, SHALL BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH. FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
- TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" MINIMUM.



PLAN VIEW

- NO. 4 CIRCULAR STIRRUPS ENCLOSING VERTICAL BARS @ 2-1/2" C-C W/ 180 DEG. STAGGERED 6" MIN LAPS TERMINATED AT EACH END WITH A STD. ACI 318 HOOK ENGAGING A VERTICAL BAR WITH 2" COVER (TYP).



ELEVATION VIEW

- NO. 4 CIRCULAR STIRRUPS ENCLOSING VERTICAL BARS WITH 24" LAPS STAGGERED 180 DEG, ON 6" CENTERS (TYP)
- NO. 8 VERTICAL BARS EQUALLY SPACED ON 33" DIA. CIRCULAR CAGE (CENTERLINE OF VERT. BARS) W/ STD ACI 318 HOOKS AT BOTTOM (TYP)

FACTORED REACTIONS

Maximum O.T.M =	10,747.8 FT-K
Total Tower Wt =	58.4 KIPS
Total Shear =	57.3 KIPS
Max. Shear/Leg =	35.2 KIPS
Max. Ten./Leg =	351.6 KIPS
Max. Comp./Leg =	409.2 KIPS

CONCRETE VOLUME

ROUND PIERS	4.3 CU.YDS
PAD	96.1 CU.YDS
TOTAL	100.3 CU.YDS



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TOLL FREE 800-727-ROHN

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TAG TOWERS, LLC
MAT W/RAISED PIERS
FOUNDATION DESIGN
MT VERNON EAST, KY

DWN:	AS	CHK'D:	SY	DATE:	09/18/2023
ENGR:	AS	SHEET #:	1 OF 1		
PRJ. ENGR:	AS	PRJ. MANGR:			

DRAWING NO:

244307-01-F1

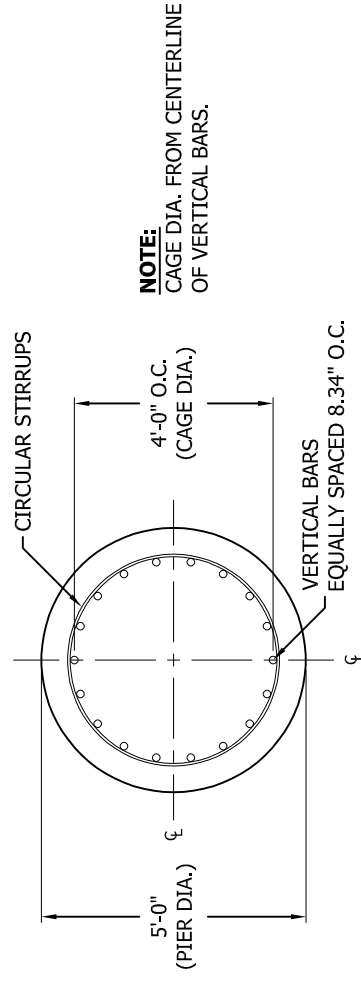
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REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP

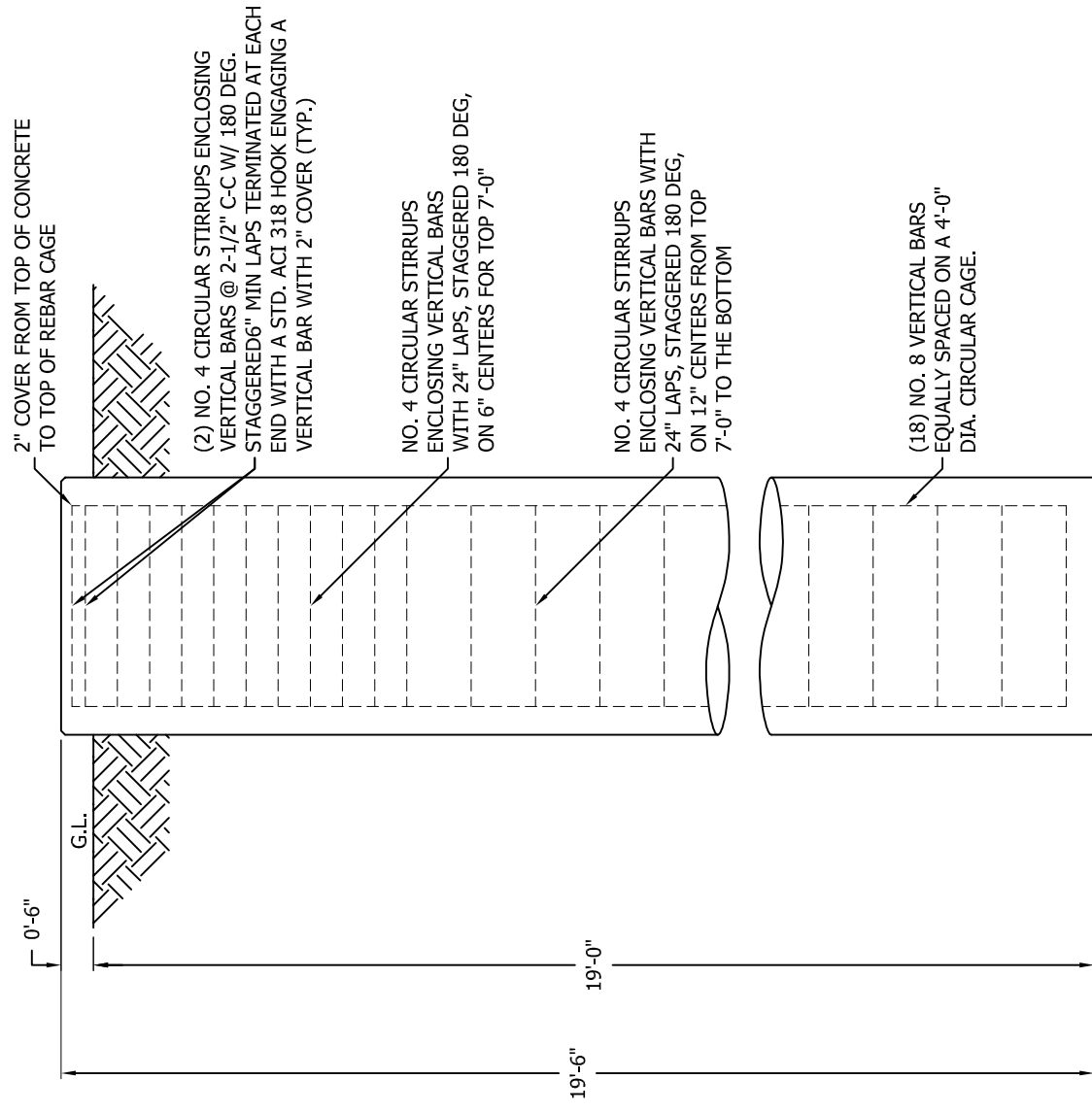
GENERAL NOTES:

- FOUNDATION DESIGN HAS BEEN DEVELOPED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL ENGINEERING PRINCIPLES AND PRACTICES WITHIN THE LIMITS OF THE SUBSURFACE DATA PROVIDED. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT THE FOLLOWING DESIGN PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
 - DEPTH NEGLECTED FOR SKIN FRICTION = TOP 3.0 FT
 - AVERAGE ULTIMATE SKIN SHEAR FOR UPLIFT: 3.0 FT TO 6.0 FT DEPTH = 2300 PSF, AND 6.0 FT TO 9.0 FT DEPTH = 2000 PSF, AND 9.0 FT TO 19.0 FT DEPTH = 1300 PSF.
 - AVERAGE ULTIMATE SKIN SHEAR FOR DOWNLOAD: 3.0 FT TO 6.0 FT DEPTH = 2300 PSF, AND 6.0 FT TO 9.0 FT DEPTH = 2000 PSF, AND 9.0 FT TO 19.0 FT DEPTH = 1300 PSF.
 - ULTIMATE NET END BEARING AT 19.0 FT = 40.00 KSF.
 - GROUNDWATER TABLE BELOW FOUNDATION DEPTH.
- WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACT 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
- CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
- PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACT 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI (31.0 MPA) IN 28 DAYS.
- MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
- REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
- REINFORCING CAGES SHALL BE BRACED TO RETAIN PROPER DIMENSIONS DURING HANDLING AND THROUGHOUT PLACEMENT OF CONCRETE. WHEN TEMPORARY CASING IS UTILIZED, BRACING SHALL BE ADEQUATE TO RESIST FORCES OCCURRING FROM FLOWING CONCRETE DURING CASING EXTRACTION.
- WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
- MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (76 MM) UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH (76 MM) MINIMUM COVER ON REINFORCEMENT.
- SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS.
- FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT NO. **23121213** DATED **09/13/2023** BY **ENGINEERED TOWER SOLUTIONS, PLLC**.
- FOUNDATION DEPTH INDICATED IS BASED ON THE GRADE LINE DESCRIBED IN THE REFERENCED GEOTECHNICAL REPORT. FOUNDATION MODIFICATION MAY BE REQUIRED IN THE EVENT CUT OR FILL OPERATIONS HAVE TAKEN PLACE SUBSEQUENT TO THE GEOTECHNICAL INVESTIGATION.
- FOUNDATION DESIGN ASSUMES THE RECOMMENDATIONS IN THE REFERENCED GEOTECHNICAL REPORT CONCERNING VERIFICATION OF SUBSURFACE CONDITIONS ARE IMPLEMENTED PRIOR TO PLACEMENT OF CONCRETE.
- FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
- FOUNDATION DESIGN ASSUMES INSTALLATION PROCEDURES WILL INCORPORATE THE PROCEDURES RECOMMENDED IN THE REFERENCED GEOTECHNICAL REPORT.
- FOUNDATION DESIGN ASSUMES FIELD INSPECTIONS WILL BE PERFORMED TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON CONDITIONS EXISTING AT THE SITE.
- FOR FOUNDATION INSTALLATION TOLERANCES SEE STRUCTURE ASSEMBLY DRAWING.
- LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
- CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
- FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION, FORMWORK, REINFORCING BARS, FORM TIES, CAGE BRACING OR OTHER OBSTRUCTIONS. UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER.
- TOP OF FOUNDATION OUTSIDE LIMITS OF ANCHOR BOLTS SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH. AREA INSIDE LIMITS OF ANCHOR BOLTS SHALL BE LEVEL WITH A SCRATCHED FINISH.
- EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" (19MM X 19MM) MINIMUM.
- FOUNDATION DESIGN ASSUMES CASING, IF USED, WILL NOT BE LEFT IN PLACE. EQUIPMENT, PROCEDURES, AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL.



PLAN VIEW

N.T.S.



ELEVATION VIEW

N.T.S.

FACTORED REACTIONS/LEG

DOWNLOAD =	409.2 KIPS
UPLIFT =	351.6 KIPS
SHEAR =	35.2 KIPS

VOLUME OF CONCRETE

(1) FOUNDATION	14.2 CU. YDS
(3) FOUNDATIONS	42.6 CU. YDS



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TAG TOWERS, LLC
DRILLED PIER
FOUNDATION DETAILS
MT VERNON EAST, KY

DWN:	AS	CHK'D:	SY	DATE:	09/18/2023
ENGR:	AS	SHEET #:	1 OF 1		
PRJ. ENGR:	AS	PRJ. MANGR:			

DRAWING NO:

244307-01-F2

REV:

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File: W:\Jobs\2023\244307\ENGINEERING\244307.out
Contract: 244307
Project: 300 FT RTL TOWER
Date and Time: 9/18/2023 1:25:31 PM

Revision: 0
Site: MT VERNON EAST- KY
Engineer: AS

Section A: PROJECT DATA

ENGINEERING
CHECKED BY: SY
09/18/2023

Project Title: 300 FT RTL TOWER
Customer Name: TAG TOWERS- LLC
Site: MT VERNON EAST- KY
Contract No.: 244307
Revision: 0
Engineer: AS
Date: Sep 18 2023
Time: 01:23:08 PM

Design Standard: ANSI/TIA-222-H-2017

GENERAL DESIGN CONDITIONS

Start wind direction: 0.00 (Deg)
End wind direction: 330.00 (Deg)
Increment wind direction: 30.00 (Deg)
Elevation above ground: 0.00 (ft)
Mean elevation of base of structure above sea level Zs: 1191.00 (ft)
Rooftop wind speed-up factor Ks: 1.00
Gust Response Factor Gh: 0.85
Risk category: II
Exposure category: B
Topographic category: 1
Material Density: 490.1(lbs/ft^3)
Young's Modulus: 29000.0(ksi)
Poisson Ratio: 0.30
Weight Multiplier: 1.00
Minimum Bracing Resistance as per 4.4.1

WIND ONLY CONDITIONS:
Basic Wind Speed (No Ice): 105.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00
Wind Load Factor: 1.00
Dead Load Factor: 1.20
Dead Load Factor for Uplift: 0.90

WIND AND ICE CONDITIONS:
Basic Wind Speed (With Ice): 30.00(mph)
Directionality Factor Kd: 0.85
Wind Load Importance Factor Iw: 1.00
Ice Thickness Importance Factor Ii: 1.00
Ice Thickness: 1.50 (in)
Ice Density: 56.19(lbs/ft^3)
Wind Load Factor: 1.00
Dead Load Factor: 1.20
Ice Load Factor: 1.00

WIND ONLY SERVICEABILITY CONDITIONS:
Serviceability Wind Speed: 60.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00
Wind Load Factor: 1.00
Dead Load Factor: 1.00

PATTERN LOADING (IF APPLICABLE) CONDITIONS:
Basic Wind Speed (No Ice): 105.00(mph)
Directionality Factor Kd: 0.85
Importance Factor I: 1.00
Wind Load Factor: 1.00



TSTower - v 6.0.5.2 Tower Analysis Program
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Dead Load Factor: 1.20
Dead Load Factor for Uplift: 0.90

EARTHQUAKE CONDITIONS:

Site class definition: D
Spectral response acceleration Ss: 0.201
Spectral response acceleration S1: 0.087
Long-period transition period TL: 12.000
Acceleration-based site coefficient Fa: 1.600
Velocity-based site coefficient Fv: 2.400
Design spectral response acceleration Sds: 0.214
Design spectral response acceleration Sd1: 0.139
Seismic analysis method: 1
Fundamental frequency of structure f1: 0.608
Total seismic shear Vs (Kips) : 1.75

Analysis performed using: TowerSoft Finite Element Analysis Program

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Section B: STRUCTURE GEOMETRY

TOWER GEOMETRY

Cross-Section	Height (ft)	Tot Height (ft)	# of Section	Bot Width (in)	Top Width (in)
Triangular	300.00	310.00	14	385.97	56.99

SECTION GEOMETRY

Sec #	Sec. Name	Elevation		Widths		Legs (lbs)	Brcg. (lbs)	Masses			Brcg. Clear. (in)	
		Bottom (ft)	Top (ft)	Bottom (in)	Top (in)			Sec.Brc (lbs)	Int.Brc (lbs)	Sect. (lbs)		Database (lbs)
14	RLS04	290.00	300.00	58	57	175	149	0	0	324	0	0.787
13	RLS04	270.00	290.00	58	58	459	239	0	0	698	0	0.787
12	RLT06	250.00	270.00	83	58	651	261	0	0	912	0	0.787
11	RLT08	230.00	250.00	107	83	882	305	0	0	1187	0	0.787
10	RLT10	210.00	230.00	131	107	1252	522	0	0	1774	0	0.787
9	RLT12	190.00	210.00	156	131	1252	756	0	0	2009	0	0.787
8	RLT14	170.00	190.00	180	156	1252	856	0	0	2109	0	0.787
7	RLT16*	150.00	170.00	204	180	1374	957	0	0	2331	0	0.787
6	RLT18*	130.00	150.00	228	204	1722	917	0	0	2639	0	0.787
5	RLT20*	110.00	130.00	254	228	1722	999	0	0	2721	0	0.787
4	RLT22*	90.00	110.00	278	254	1987	1679	0	0	3666	0	0.787
3	RLT25*	60.00	90.00	314	278	2981	3165	0	0	6145	0	0.787
2	RLT28*	30.00	60.00	350	314	2980	2567	1129	464	7140	0	0.787
1	RLT31*	0.00	30.00	386	350	2980	2908	1223	593	7703	0	0.787
Total Mass:						21669	16279	2352	1057	41357	0	

PANEL GEOMETRY

Sec#	Pnl#	Type	SecBrcg	Mid. Horiz Continuous	Horiz	Height (ft)	Bottom Width (in)	Top Width (in)	Plan Bracing	Hip Bracing	Gusset Plate Area (ft^2)	Gusset Plate Weight (lbs)
14	2	X	(None)	Yes	5.0	57.3	57.0	(None)	(None)	0.300	0.30	
14	1	X	(None)	None	5.0	57.5	57.3	(None)	(None)	0.300	0.30	
13	4	X	(None)	None	5.0	57.7	57.5	(None)	(None)	0.300	0.30	
13	3	X	(None)	None	5.0	58.0	57.7	(None)	(None)	0.300	0.30	
13	2	X	(None)	None	5.0	58.2	58.0	(None)	(None)	0.300	0.30	
13	1	X	(None)	None	5.0	58.4	58.2	(None)	(None)	0.300	0.30	
12	3	X	(None)	Yes	6.7	66.7	58.4	(None)	(None)	0.300	0.30	
12	2	X	(None)	None	6.7	75.0	66.7	(None)	(None)	0.300	0.30	
12	1	X	(None)	None	6.7	83.3	75.0	(None)	(None)	0.300	0.30	
11	3	X	(None)	None	6.7	91.3	83.3	(None)	(None)	0.300	0.30	
11	2	X	(None)	None	6.7	99.3	91.3	(None)	(None)	0.300	0.30	
11	1	X	(None)	None	6.7	107.3	99.3	(None)	(None)	0.300	0.30	
10	3	X	(None)	None	6.7	115.3	107.3	(None)	(None)	0.300	0.30	
10	2	X	(None)	None	6.7	123.3	115.3	(None)	(None)	0.300	0.30	
10	1	X	(None)	None	6.7	131.3	123.3	(None)	(None)	0.300	0.30	
9	3	X	(None)	None	6.7	139.6	131.3	(None)	(None)	0.300	0.30	
9	2	X	(None)	None	6.7	147.9	139.6	(None)	(None)	0.300	0.30	
9	1	X	(None)	None	6.7	156.2	147.9	(None)	(None)	0.300	0.30	
8	3	X	(None)	None	6.7	164.2	156.2	(None)	(None)	0.300	0.30	
8	2	X	(None)	None	6.7	172.2	164.2	(None)	(None)	0.300	0.30	
8	1	X	(None)	None	6.7	180.2	172.2	(None)	(None)	0.300	0.30	
7	3	X	(None)	None	6.7	188.2	180.2	(None)	(None)	0.300	0.30	
7	2	X	(None)	None	6.7	196.2	188.2	(None)	(None)	0.300	0.30	
7	1	X	(None)	None	6.7	204.2	196.2	(None)	(None)	0.300	0.30	
6	2	X	(None)	None	10.0	216.2	204.2	(None)	(None)	0.300	0.30	
6	1	X	(None)	None	10.0	228.2	216.2	(None)	(None)	0.300	0.30	
5	2	X	(None)	None	10.0	241.1	228.2	(None)	(None)	0.300	0.30	
5	1	X	(None)	None	10.0	254.0	241.1	(None)	(None)	0.300	0.30	
4	2	X	(None)	None	10.0	266.0	254.0	(None)	(None)	0.300	0.30	

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4	1	X	(None)	None	10.0	278.0	266.0	(None)	(None)	0.300	0.30
3	3	X	(None)	None	10.0	290.0	278.0	(None)	(None)	0.300	0.30
3	2	X	(None)	None	10.0	302.0	290.0	(None)	(None)	0.300	0.30
3	1	X	(None)	None	10.0	314.0	302.0	(None)	(None)	0.300	0.30
2	2	K	2-Subdiv.	Yes	15.0	332.0	314.0	2-Subdiv.	(None)	0.300	0.30
2	1	K	2-Subdiv.	Yes	15.0	350.0	332.0	2-Subdiv.	(None)	0.300	0.30
1	2	K	2-Subdiv.	Yes	15.0	368.0	350.0	2-Subdiv.	(None)	0.300	0.30
1	1	K	2-Subdiv.	Yes	15.0	386.0	368.0	2-Subdiv.	(None)	0.300	0.30

MEMBER PROPERTIES

Sec/Member	Type	Description	Steel Grade	Conn. Type	Bolt #	Bolt Size	Bolt Grade	End Dist.	Edge Dist.	Gusset Thick.	Gusset Grade	Bolt Space	Dble Mem.
						(in)		(in)	(in)	(in)		(in)	(in)
14/2	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4	0.750	A325X						
14/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/2	Horiz	L1 3/4x1 3/4x3/16	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
14/1	Leg	PIPE 2.875x0.203	A500	gr.CSTension	4	0.750	A325X						
14/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/4	Leg	PIPE 3.500x0.216	A500	gr.CSTension	5	0.875	A325X						
13/4	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/3	Leg	PIPE 3.500x0.216	A500	gr.CSTension	5	0.875	A325X						
13/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/2	Leg	PIPE 3.500x0.216	A500	gr.CSTension	5	0.875	A325X						
13/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
13/1	Leg	PIPE 3.500x0.216	A500	gr.CSTension	5	0.875	A325X						
13/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/3	Leg	PIPE 4.500x0.237	A500	gr.CSTension	5	1.000	A325X						
12/3	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/3	Horiz	L1 3/4x1 3/4x3/16	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/2	Leg	PIPE 4.500x0.237	A500	gr.CSTension	5	1.000	A325X						
12/2	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
12/1	Leg	PIPE 4.500x0.237	A500	gr.CSTension	5	1.000	A325X						
12/1	Diag	L1 3/4x1 3/4x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	0.875	0.250	A572	gr.50	2.000
11/3	Leg	PIPE 5.563x0.258	A500	gr.CSTension	5	1.000	A325X						
11/3	Diag	L2x2x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	1.000	0.250	A572	gr.50	2.000
11/2	Leg	PIPE 5.563x0.258	A500	gr.CSTension	5	1.000	A325X						
11/2	Diag	L2x2x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	1.000	0.250	A572	gr.50	2.000
11/1	Leg	PIPE 5.563x0.258	A500	gr.CSTension	5	1.000	A325X						
11/1	Diag	L2x2x1/8	A529	gr.50Bolted	1	0.625	A325X	1.500	1.000	0.250	A572	gr.50	2.000

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10/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
10/3	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50									2.000
10/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
10/2	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50									2.000
10/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
10/1	Diag	L2x2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572	gr.50									2.000
9/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
9/3	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50									2.000
9/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
9/2	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50									2.000
9/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	5-1.000	A325X														
9/1	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572	gr.50									2.000
8/3	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X														
8/3	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50									2.000
8/2	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X														
8/2	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50									2.000
8/1	Leg	PIPE 5.563x0.375	A500	gr.CSTension	6-1.000	A325X														
8/1	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572	gr.50									2.000
7/3	Leg	PIPE 6.625x0.340	A500	gr.CSTension	6-1.000	A325X														
7/3	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	2-0.625	A325X	1.125	1.250	0.375	A572	gr.50									2.000
7/2	Leg	PIPE 6.625x0.340	A500	gr.CSTension	6-1.000	A325X														
7/2	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	2-0.625	A325X	1.125	1.250	0.375	A572	gr.50									2.000
7/1	Leg	PIPE 6.625x0.340	A500	gr.CSTension	6-1.000	A325X														
7/1	Diag	L2 1/2x2 1/2x3/16	A529	gr.50Bolted	2-0.625	A325X	1.125	1.250	0.375	A572	gr.50									2.000
6/2	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.000	A325X														
6/2	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.500	1.500	0.375	A572	gr.50									2.000
6/1	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.000	A325X														
6/1	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.500	1.500	0.375	A572	gr.50									2.000
5/2	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.500	A325X														
5/2	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50									2.000
5/1	Leg	PIPE 6.625x0.432	A500	gr.CSTension	6-1.500	A325X														
5/1	Diag	L3x3x3/16	A529	gr.50Bolted	2-0.625	A325X	1.125	1.500	0.375	A572	gr.50									2.000
4/2	Leg	PIPE 8.625x0.375	A500	gr.CSTension	6-1.500	A325X														
4/2	Diag	L3 1/2x3 1/2x1/4	A529	gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50									2.000
4/1	Leg	PIPE 8.625x0.375	A500	gr.CSTension	6-1.500	A325X														
4/1	Diag	L3 1/2x3 1/2x1/4	A529	gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572	gr.50									2.000
3/3	Leg	PIPE 8.625x0.375	A500	gr.CSTension	6-1.500	A325X														
3/3	Diag	L4x4x1/4	A529	gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572	gr.50									2.000

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3/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
3/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
3/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
3/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
2/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
2/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
2/2	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572 gr.50				2.000
2/2	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
2/2	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
2/2	PlanH1	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.750	0.250	A572 gr.50				2.000
2/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
2/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
2/1	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	1.750	0.375	A572 gr.50				2.000
2/1	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
2/1	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
2/1	PlanH1	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.750	0.250	A572 gr.50				2.000
1/2	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
1/2	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
1/2	Horiz	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
1/2	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
1/2	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
1/2	PlanH1	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	2.000	0.250	A572 gr.50				2.000
1/1	Leg	PIPE 8.625x0.375	A500 gr.CSTension	6-1.500	A325X								
1/1	Diag	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
1/1	Horiz	L4x4x1/4	A529 gr.50Bolted	2-0.625	A325X	1.125	2.000	0.375	A572 gr.50				2.000
1/1	SecD1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
1/1	SecH1	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.500	0.250	A572 gr.50				2.000
1/1	PlanH1	L4x4x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	2.000	0.250	A572 gr.50				2.000



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Section D: TRANSMISSION LINE DATA

Transmission Lines Position

No.	Bot El (ft)	Top El (ft)	Desc.	Radius (ft)	Az.	Orient.	No.	No. of Rows	Vert.	Antenna	User Ka
1	0.00	300.00	3/8 CABLE	19.00	0.00	0.00	1	1	Yes		
2	0.00	300.00	RC0.75-Cnd	16.19	60.00	5.00	1	1	No		
3	0.00	295.00	TX Ladder	10.72	60.00	30.00	1	1	No		
4	280.00	295.00	LDF7P-50A	1.61	60.00	30.00	2	1	No		
5	265.00	280.00	LDF7P-50A	1.80	60.00	30.00	4	1	No		
6	250.00	265.00	LDF7P-50A	2.31	60.00	30.00	6	1	No		
7	0.00	250.00	LDF7P-50A	10.72	60.00	30.00	8	1	No		

Transmission Lines Details

No.	Desc.	Width (in)	Depth (in)	Unit Mass (lb/ft)	Line Spacing (in)	Row Spacing (in)
1	3/8 CABLE	0.38	0.38	1.00	2.750	2.750
2	RC0.75-Cnd	1.05	1.05	1.09	2.750	2.750
3	TX Ladder	4.70	1.50	4.00	2.750	2.750
4	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
5	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
6	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
7	LDF7P-50A	2.01	2.01	0.92	2.250	2.750



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Section F: POINT LOAD DATA

Structure Azimuth from North:0.00

POINT LOADS

No.	Description	Elev. (ft)	Radius (ft)	Azim. (Deg)	Orient. (Deg)	Vertical Offset (ft)	Tx Line	Comments
1	BEACON & LR	300.00	1.00	0.0	0.0	0.00		
2	42,000 SQ-IN MAX EPA	295.00	0.00	0.0	0.0	0.00		
3	25,000 SQ-IN MAX EPA	280.00	0.00	0.0	0.0	0.00		
4	25,000 SQ-IN MAX EPA	265.00	0.00	0.0	0.0	0.00		
5	25,000 SQ-IN MAX EPA	250.00	0.00	0.0	0.0	0.00		

POINT LOADS WIND AREAS AND WEIGHTS

No.	Description	Frontal Bare Area (ft^2)	Lateral Bare Area (ft^2)	Frontal Iced Area (ft^2)	Lateral Iced Area (ft^2)	Weight Bare (Kips)	Weight Iced (Kips)	Gh
1	BEACON & LR	5.00	5.00	10.00	10.00	0.25	0.50	0.85
2	42,000 SQ-IN MAX EPA	292.00	292.00	584.00	584.00	4.00	8.00	0.85
3	25,000 SQ-IN MAX EPA	174.00	174.00	348.00	348.00	3.00	6.00	0.85
4	25,000 SQ-IN MAX EPA	174.00	174.00	348.00	348.00	3.00	6.00	0.85
5	25,000 SQ-IN MAX EPA	174.00	174.00	348.00	348.00	3.00	6.00	0.85



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Section H: STRUCTURE DISPLACEMENT DATA

Load Combination Wind Only - Serviceability

Wind Direction		Maximum displacements					
Node	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert.Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist (Deg)
126	300.0	18.0	18.3	-0.2	0.69	0.70	-0.01
123	295.0	17.3	17.5	-0.2	0.71	0.71	0.02
120	290.0	16.5	16.8	-0.2	0.70	0.71	0.01
117	285.0	15.8	16.0	-0.2	0.68	0.69	0.01
114	280.0	15.1	15.3	-0.2	0.69	0.69	0.02
111	275.0	14.3	14.6	-0.2	0.65	0.66	0.01
108	270.0	13.7	13.9	-0.1	0.62	0.63	0.01
105	263.3	12.8	13.0	-0.1	0.60	0.60	0.01
102	256.7	12.0	12.2	-0.1	0.55	0.55	0.02
99	250.0	11.2	11.4	-0.1	0.54	0.55	-0.01
96	243.3	10.5	10.7	-0.1	0.49	0.50	-0.02
93	236.7	9.8	10.0	-0.1	0.48	0.49	0.01
90	230.0	9.1	9.3	-0.1	0.43	0.44	0.01
87	223.3	8.5	8.7	-0.1	0.43	0.44	0.01
84	216.7	7.9	8.0	-0.1	0.40	0.40	0.01
81	210.0	7.3	7.5	-0.1	0.39	0.40	0.01
78	203.3	6.8	6.9	-0.1	0.35	0.36	0.01
75	196.7	6.3	6.4	-0.1	0.35	0.36	0.01
72	190.0	5.8	5.9	-0.1	0.32	0.32	0.01
69	183.3	5.4	5.5	-0.1	0.32	0.32	0.01
66	176.7	4.9	5.0	-0.1	0.28	0.29	0.01
63	170.0	4.5	4.6	-0.1	0.28	0.29	-0.01
60	163.3	4.1	4.2	-0.1	0.25	0.26	0.01
57	156.7	3.8	3.9	-0.1	0.25	0.26	0.00
54	150.0	3.4	3.5	-0.1	0.22	0.22	0.01
51	140.0	3.0	3.0	-0.1	0.21	0.21	0.00
48	130.0	2.5	2.6	-0.1	0.18	0.19	0.00
45	120.0	2.1	2.2	-0.1	0.17	0.18	0.00
42	110.0	1.8	1.8	-0.1	0.15	0.15	0.00
39	100.0	1.5	1.5	-0.1	0.14	0.14	0.00
36	90.0	1.2	1.2	-0.1	0.12	0.12	0.00
33	80.0	0.9	0.9	-0.1	0.11	0.11	0.00
30	70.0	0.7	0.7	0.0	0.09	0.09	0.00
26	60.0	0.5	0.5	0.0	0.07	0.07	0.00
20	45.0	0.3	0.3	0.0	0.05	0.05	0.00
14	30.0	0.1	-0.1	0.0	0.03	0.03	0.00
8	15.0	0.0	0.0	0.0	0.01	-0.01	0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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Section L: STRENGTH ASSESSMENT SORTED DATA

Load Combination	Max Envelope										
Wind Direction	Maximum										
Sec	Pnl	Elev.	MType	Desc.	Len	kl/r	Gov.	Gov.	Max	Max	Asses.
		(ft)			(ft)		comp.	tens.	Compr.	Tens.	Ratio
							cap.	cap.	(Kips)	(Kips)	
							(Kips)	(Kips)			
14	2	295.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	0.9	0.5	0.02
14	1	290.00	Leg	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	6.4	3.2	0.11
13	4	285.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	18.2	14.6	0.22
13	3	280.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	27.1	23.5	0.33
13	2	275.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	42.6	36.5	0.52
13	1	270.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	59.5	53.2	0.72
12	3	263.33	Leg	PIPE 4.500x0.237	6.68	53.1	116.1	142.6	73.3	66.3	0.63
12	2	256.67	Leg	PIPE 4.500x0.237	6.68	53.1	116.1	142.6	91.9	82.4	0.79
12	1	250.00	Leg	PIPE 4.500x0.237	6.68	53.1	116.1	142.6	105.1	95.4	0.91
11	3	243.33	Leg	PIPE 5.563x0.258	6.68	42.6	169.4	193.5	121.6	109.1	0.72
11	2	236.67	Leg	PIPE 5.563x0.258	6.68	42.6	169.4	193.5	137.5	124.5	0.81
11	1	230.00	Leg	PIPE 5.563x0.258	6.68	42.6	169.4	193.5	150.9	137.3	0.89
10	3	223.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	163.5	149.3	0.68
10	2	216.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	174.6	159.7	0.73
10	1	210.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	185.3	169.6	0.77
9	3	203.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	194.6	178.2	0.81
9	2	196.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	203.8	186.5	0.85
9	1	190.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	211.9	193.8	0.89
8	3	183.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	220.5	201.4	0.92
8	2	176.67	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	228.2	208.4	0.95
8	1	170.00	Leg	PIPE 5.563x0.375	6.68	43.6	239.4	275.0	236.4	215.6	0.99
7	3	163.33	Leg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	243.8	222.1	0.89
7	2	156.67	Leg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	251.6	228.9	0.92
7	1	150.00	Leg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	258.6	234.9	0.94
6	2	140.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	267.8	242.8	0.88
6	1	130.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.3	330.3	278.0	251.4	0.91
5	2	120.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	287.9	259.7	0.95
5	1	110.00	Leg	PIPE 6.625x0.432	10.02	54.6	304.2	378.5	297.1	267.1	0.98
4	2	100.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	306.6	274.7	0.79
4	1	90.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	316.2	282.4	0.82
3	3	80.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	326.4	290.4	0.84
3	2	70.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	336.0	297.8	0.87
3	1	60.00	Leg	PIPE 8.625x0.375	10.02	41.2	386.4	437.4	346.1	305.6	0.90
2	2	45.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	351.8	308.7	0.86
2	1	30.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	366.6	319.8	0.90
1	2	15.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	381.4	330.6	0.94
1	1	0.00	Leg	PIPE 8.625x0.375	15.02	30.9	407.9	437.4	396.1	341.2	0.97
14	2	295.00	Diag	L1 3/4x1 3/4x1/8	6.90	106.8	10.5	7.1	1.1	1.2	0.17
14	1	290.00	Diag	L1 3/4x1 3/4x1/8	6.92	107.1	10.5	7.1	4.1	4.0	0.56
13	4	285.00	Diag	L1 3/4x1 3/4x1/8	6.93	106.3	10.6	7.1	4.1	4.1	0.58
13	3	280.00	Diag	L1 3/4x1 3/4x1/8	6.95	106.5	10.6	7.1	4.3	4.2	0.60
13	2	275.00	Diag	L1 3/4x1 3/4x1/8	6.96	106.6	10.5	7.1	6.5	6.6	0.93
13	1	270.00	Diag	L1 3/4x1 3/4x1/8	6.97	106.8	10.5	7.1	6.7	6.7	0.94
12	3	263.33	Diag	L1 3/4x1 3/4x1/8	8.47	131.8	6.9	7.1	5.8	5.5	0.83
12	2	256.67	Diag	L1 3/4x1 3/4x1/8	8.91	140.3	6.1	7.1	5.9	6.0	0.97
12	1	250.00	Diag	L1 3/4x1 3/4x1/8	9.38	149.1	5.4	7.1	5.3	5.2	0.99
11	3	243.33	Diag	L2x2x1/8	9.87	135.9	7.5	7.9	6.9	6.9	0.92
11	2	236.67	Diag	L2x2x1/8	10.37	143.9	6.6	7.9	6.3	6.3	0.95
11	1	230.00	Diag	L2x2x1/8	10.89	152.0	5.9	7.9	5.9	5.9	0.99
10	3	223.33	Diag	L2x2x3/16	11.43	164.5	7.5	11.8	5.6	5.6	0.75
10	2	216.67	Diag	L2x2x3/16	11.97	173.2	6.8	11.8	5.4	5.4	0.79
10	1	210.00	Diag	L2x2x3/16	12.53	182.0	6.1	11.8	5.2	5.2	0.85
9	3	203.33	Diag	L2 1/2x2 1/2x3/16	13.11	152.0	11.2	14.1	4.8	4.8	0.43
9	2	196.67	Diag	L2 1/2x2 1/2x3/16	13.71	159.5	10.1	14.1	4.7	4.8	0.47

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9	1	190.00	Diag	L2 1/2x2 1/2x3/16	14.32	167.1	9.2	14.1	4.7	4.7	0.51
8	3	183.33	Diag	L2 1/2x2 1/2x3/16	14.93	174.5	8.5	10.7	4.9	5.0	0.58
8	2	176.67	Diag	L2 1/2x2 1/2x3/16	15.53	181.9	7.8	10.7	5.0	4.9	0.64
8	1	170.00	Diag	L2 1/2x2 1/2x3/16	16.13	189.4	7.2	10.7	5.0	5.0	0.69
7	3	163.33	Diag	L2 1/2x2 1/2x3/16	16.74	176.8	8.2	18.8	5.0	5.0	0.61
7	2	156.67	Diag	L2 1/2x2 1/2x3/16	17.35	182.6	7.7	18.8	5.0	5.1	0.65
7	1	150.00	Diag	L2 1/2x2 1/2x3/16	17.97	188.4	7.3	18.8	5.1	5.1	0.71
6	2	140.00	Diag	L3x3x3/16	20.18	178.7	9.8	23.2	5.6	5.6	0.57
6	1	130.00	Diag	L3x3x3/16	21.05	185.5	9.1	23.2	5.7	5.6	0.62
5	2	120.00	Diag	L3x3x3/16	21.97	193.5	8.3	21.1	5.1	5.1	0.61
5	1	110.00	Diag	L3x3x3/16	22.93	201.0	7.7	21.1	5.2	5.2	0.67
4	2	100.00	Diag	L3 1/2x3 1/2x1/4	23.86	180.6	14.8	31.1	5.9	6.0	0.40
4	1	90.00	Diag	L3 1/2x3 1/2x1/4	24.77	186.8	13.9	31.1	6.1	6.1	0.44
3	3	80.00	Diag	L4x4x1/4	25.69	170.2	19.2	34.1	6.3	6.3	0.33
3	2	70.00	Diag	L4x4x1/4	26.62	175.5	18.0	34.1	6.5	6.4	0.36
3	1	60.00	Diag	L4x4x1/4	27.55	180.9	17.0	34.1	6.6	6.6	0.39
2	2	45.00	Diag	L4x4x1/4	20.41	180.3	17.1	34.1	9.7	9.7	0.57
2	1	30.00	Diag	L4x4x1/4	20.92	185.3	16.2	34.1	9.8	9.8	0.61
1	2	15.00	Diag	L4x4x1/4	21.45	190.5	15.3	34.1	9.9	9.9	0.65
1	1	0.00	Diag	L4x4x1/4	22.00	195.7	14.5	34.1	10.0	10.0	0.69
14	2	295.00	Horiz	L1 3/4x1 3/4x3/16	4.75	145.7	8.4	10.7	0.7	0.7	0.09
12	3	263.33	Horiz	L1 3/4x1 3/4x3/16	4.87	145.1	8.4	10.7	0.1	0.0	0.01
2	2	45.00	Horiz	L3 1/2x3 1/2x1/4	13.08	179.7	15.0	31.1	6.6	6.5	0.44
2	1	30.00	Horiz	L3 1/2x3 1/2x1/4	13.83	187.7	13.7	31.1	6.9	6.8	0.50
1	2	15.00	Horiz	L4x4x1/4	14.58	175.2	18.1	34.1	7.1	7.0	0.39
1	1	0.00	Horiz	L4x4x1/4	15.33	182.1	16.8	34.1	7.4	7.3	0.44
2	2	45.00	SecH1	L3x3x1/4	6.54	133.0	17.2	17.2	6.1	6.1	0.35
2	2	45.00	SecD1	L3x3x1/4	9.71	197.5	10.6	17.2	4.8	4.8	0.45
2	2	45.00	PlanH1	L3 1/2x3 1/2x1/4	13.08	227.5	9.3	17.2	0.0	0.0	0.00
2	1	30.00	SecH1	L3x3x1/4	6.92	140.7	17.2	17.2	6.3	6.3	0.37
2	1	30.00	SecD1	L3x3x1/4	9.95	202.5	10.1	17.2	4.8	4.8	0.48
2	1	30.00	PlanH1	L3 1/2x3 1/2x1/4	13.83	240.6	8.4	17.2	0.0	0.0	0.01
1	2	15.00	SecH1	L3x3x1/4	7.29	148.3	17.2	17.2	6.6	6.6	0.38
1	2	15.00	SecD1	L3x3x1/4	10.20	207.5	9.6	17.2	4.9	4.9	0.51
1	2	15.00	PlanH1	L4x4x1/4	14.58	218.7	11.6	17.2	0.0	0.0	0.00
1	1	0.00	SecH1	L3x3x1/4	7.67	155.9	17.0	17.2	6.8	6.8	0.40
1	1	0.00	SecD1	L3x3x1/4	10.46	212.8	9.1	17.2	4.9	4.9	0.54
1	1	0.00	PlanH1	L4x4x1/4	15.33	230.0	10.5	17.2	0.0	0.0	0.00

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Site: MT VERNON EAST- KY
Engineer: AS

Section M: SECTION PROPERTIES DATA

Sec	Pan	Memb.	Steel	Conn.	Bolts	Bolt	Bolt	End	Gusset	kl/r	Comp	Tens	Bolt	Bear.	Block
		Type	Grade	Type	Bolts	Size	Grade	Dist.	Thick.		Cap.	Cap.	Cap.	Cap.	Shear
						(in)		(in)	(in)		(Kips)	(Kips)	(Kips)	(Kips)	(Kips)
14	2	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.8	10.5	11.9	17.2S	9.8	7.1
14	2	Horiz	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	145.7	8.4	17.4	17.2S	14.7	10.7
14	1	Leg	A500 gr.CS	Tension	4	0.750	A325X	1.800	N/A	63.4	57.1	76.5	121.7T	N/A	N/A
14	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	107.1	10.5	11.9	17.2S	9.8	7.1
13	4	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	51.7	82.5	100.4	209.9T	N/A	N/A
13	4	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.3	10.6	11.9	17.2S	9.8	7.1
13	3	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	51.7	82.5	100.4	209.9T	N/A	N/A
13	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.5	10.6	11.9	17.2S	9.8	7.1
13	2	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	51.7	82.5	100.4	209.9T	N/A	N/A
13	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.6	10.5	11.9	17.2S	9.8	7.1
13	1	Leg	A500 gr.CS	Tension	5	0.875	A325X	2.100	N/A	51.7	82.5	100.4	209.9T	N/A	N/A
13	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	106.8	10.5	11.9	17.2S	9.8	7.1
12	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	53.1	116.1	142.6	275.3T	N/A	N/A
12	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	131.8	6.9	11.9	17.2S	9.8	7.1
12	3	Horiz	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	145.1	8.4	17.4	17.2S	14.7	10.7
12	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	53.1	116.1	142.6	275.3T	N/A	N/A
12	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	140.3	6.1	11.9	17.2S	9.8	7.1
12	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	53.1	116.1	142.6	275.3T	N/A	N/A
12	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	149.1	5.4	11.9	17.2S	9.8	7.1
11	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	42.6	169.4	193.5	275.3T	N/A	N/A
11	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	135.9	7.5	14.1	17.2S	9.8	7.9
11	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	42.6	169.4	193.5	275.3T	N/A	N/A
11	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	143.9	6.6	14.1	17.2S	9.8	7.9
11	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	42.6	169.4	193.5	275.3T	N/A	N/A
11	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	152.0	5.9	14.1	17.2S	9.8	7.9
10	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
10	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	164.5	7.5	20.7	17.2S	14.7	11.8
10	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
10	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	173.2	6.8	20.7	17.2S	14.7	11.8
10	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.4	275.0	275.3T	N/A	N/A
10	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	182.0	6.1	20.7	17.2S	14.7	11.8
9	3	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.3	275.0	275.3T	N/A	N/A
9	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	152.0	11.2	27.7	17.2S	14.7	14.1
9	2	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.3	275.0	275.3T	N/A	N/A
9	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	159.5	10.1	27.7	17.2S	14.7	14.1
9	1	Leg	A500 gr.CS	Tension	5	1.000	A325X	2.400	N/A	43.6	239.3	275.0	275.3T	N/A	N/A
9	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	167.1	9.2	27.7	17.2S	14.7	14.1
8	3	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.4	275.0	330.3T	N/A	N/A
8	3	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	174.5	8.5	27.7	17.2S	14.7	10.7
8	2	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.4	275.0	330.3T	N/A	N/A
8	2	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	181.9	7.8	27.7	17.2S	14.7	10.7
8	1	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	43.6	239.4	275.0	330.3T	N/A	N/A
8	1	Diag	A529 gr.50	Bolted	1	0.625	A325X	1.500	0.250	189.4	7.2	27.7	17.2S	14.7	10.7
7	3	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	36.0	274.8	302.1	330.3T	N/A	N/A
7	3	Diag	A529 gr.50	Bolted	2	0.625	A325X	1.125	0.375	176.8	8.2	27.7	34.5S	25.7	18.8
7	2	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	36.0	274.8	302.1	330.3T	N/A	N/A
7	2	Diag	A529 gr.50	Bolted	2	0.625	A325X	1.125	0.375	182.6	7.7	27.7	34.5S	25.7	18.8
7	1	Leg	A500 gr.CS	Tension	6	1.000	A325X	2.400	N/A	36.0	274.8	302.1	330.3T	N/A	N/A
7	1	Diag	A529 gr.50	Bolted	2	0.625	A325X	1.125	0.375	188.4	7.3	27.7	34.5S	25.7	18.8

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Engineer: AS

6	2	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.6	304.3	378.5	330.3T	N/A	N/A
6	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.500	0.375	178.7	9.8	34.6	34.5S	29.4	23.2
6	1	Leg	A500	gr.CS	Tension	6	1.000	A325X	2.400	N/A	54.6	304.3	378.5	330.3T	N/A	N/A
6	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.500	0.375	185.5	9.1	34.6	34.5S	29.4	23.2
5	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	54.6	304.2	378.5	765.3T	N/A	N/A
5	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	193.5	8.3	34.6	34.5S	25.7	21.1
5	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	54.6	304.2	378.5	765.3T	N/A	N/A
5	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	201.0	7.7	34.6	34.5S	25.7	21.1
4	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
4	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	180.6	14.8	54.8	34.5S	34.1	31.1
4	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
4	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	186.8	13.9	54.8	34.5S	34.1	31.1
3	3	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
3	3	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	170.2	19.2	63.9	34.5S	34.1	34.2
3	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
3	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	175.5	18.0	63.9	34.5S	34.1	34.2
3	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	41.2	386.4	437.4	765.3T	N/A	N/A
3	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	180.9	17.0	63.9	34.5S	34.1	34.2
2	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
2	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	180.3	17.1	63.9	34.5S	34.1	34.2
2	2	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	179.7	15.0	54.8	34.5S	34.1	31.1
2	2	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	133.0	23.3	45.6	17.2S	19.5	21.8
2	2	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	197.5	10.6	45.6	17.2S	19.5	21.8
2	2	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	227.5	9.3	54.8	17.2S	19.5	24.8
2	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
2	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	185.3	16.2	63.9	34.5S	34.1	34.2
2	1	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	187.7	13.7	54.8	34.5S	34.1	31.1
2	1	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	140.7	20.8	45.6	17.2S	19.5	21.8
2	1	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	202.5	10.1	45.6	17.2S	19.5	21.8
2	1	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	240.6	8.4	54.8	17.2S	19.5	24.8
1	2	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
1	2	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	190.5	15.3	63.9	34.5S	34.1	34.2
1	2	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	175.2	18.1	63.9	34.5S	34.1	34.2
1	2	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	148.3	18.7	45.6	17.2S	19.5	21.8
1	2	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	207.5	9.6	45.6	17.2S	19.5	21.8
1	2	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	218.7	11.6	63.9	17.2S	19.5	27.9
1	1	Leg	A500	gr.CS	Tension	6	1.500	A325X	3.600	N/A	30.9	407.9	437.4	765.3T	N/A	N/A
1	1	Diag	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	195.7	14.5	63.9	34.5S	34.1	34.2
1	1	Horiz	A529	gr.50	Bolted	2	0.625	A325X	1.125	0.375	182.1	16.8	63.9	34.5S	34.1	34.2
1	1	SecH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	155.9	17.0	45.6	17.2S	19.5	21.8
1	1	SecD1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	212.8	9.1	45.6	17.2S	19.5	21.8
1	1	PlanH1	A529	gr.50	Bolted	1	0.625	A325X	1.500	0.250	230.0	10.5	63.9	17.2S	19.5	27.9



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Site: MT VERNON EAST- KY

Engineer: AS

Section N: LEG REACTION DATA

Load Combination	Max Envelope				
Wind Direction	Maximum				
	Force-Y Download (Kips)	Force-Y Uplift (Kips)	Shear-X (Kips)	Shear-Z (Kips)	Max Shear (Kips)
	409.20	351.64			35.17



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Site: MT VERNON EAST- KY

Engineer: AS

Section O: TOWER FOUNDATION DATA

Load Combination Max Envelope
 Wind Direction Maximum

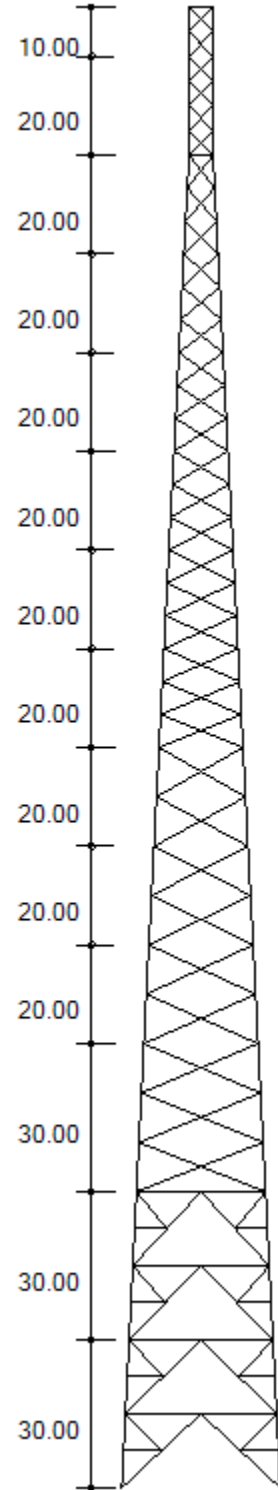
Axial Load (Kips)	Shear Load-X (Kips)	Shear Load-Z (Kips)	Total Shear (Kips)	Moment-X (Kipsft)	Moment-Y (Kipsft)	Moment-Z (Kipsft)	Total Moment (Kipsft)
52.61	28.64	49.62	57.30	9308.88	-3.42	-5372.15	10747.80
52.61	28.64	49.62	57.30	9308.88	-3.42	-5372.15	10747.80

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Engineer: AS

DESIGN SPECIFICATION

Sct.	Length (ft)	Top W. (in)	Bot Width (in)
1	30.00	349.97	385.97
2	30.00	313.97	349.97
3	30.00	277.97	313.97
4	20.00	253.97	277.97
5	20.00	228.24	253.97
6	20.00	204.24	228.24
7	20.00	180.24	204.24
8	20.00	156.24	180.24
9	20.00	131.32	156.24
10	20.00	107.32	131.32
11	20.00	83.32	107.32
12	20.00	58.40	83.32
13	20.00	57.53	58.40
14	10.00	56.99	57.53



MAXIMUM BASE REACTIONS

Download (Kips)	409.2
Uplift (Kips)	351.6
Shear (Kips)	35.2

Customer: TAG TOWERS, LLC
 Project: 300 FT RTL TOWER
 Site: MT VERNON EAST, KY
 Engr. File: 244307
 Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.4

Design Parameters

Description	Load Case					Service
	1	2	3	4	5	
Total Moment, ft-kips	10,747.04	10,747.80	1,603.64	419.51	418.50	3,587.64
Total Shear, kips	57.29	57.30	7.87	1.75	1.75	19.35
Total Tower Wt, kips	70.14	52.61	158.34	70.12	52.59	58.44
Max. Uplift, kips	345.83	351.64	4.79	.00	.00	104.01
Shear, kips	30.74	31.06	1.79	9.71	9.71	9.71
Max Download, kips	409.20	403.39	110.21	38.43	32.55	148.28
Shear	35.17	34.84	7.84	2.40	2.07	12.54
Soil L.F.	1.20	0.90	1.20	1.20	0.90	1.00
Concrete L.F.	1.20	0.90	1.20	1.20	0.90	1.00

Foundation	
Ht. AGL, ft	0.50
Depth, ft.	5.25
Tower	
Face Width, ft	32.16
Offset, in	60.00
Soil	
Blow Count	N/A
Inplace Unit Wt, pcf	110.00
Submerged Unit Wt, pcf	60.00
Friction Angle, ϕ , deg.	30.00
Cohesion, ksf	N/A
Uplift Angle, deg.	30.00
Water Depth, ft	None
Ult Bearing Capacity, ksf	11.50

Mat	
Thickness, ft	1.75
Width, ft	38.50
EA, in	15.00
Batter, in/ft	0.00

Pier	
Height, ft	4.00
Diameter, ft	3.50
No. Piers	3
Shape	Round

Anchor Bolts	
Diameter, in	1.5000
No.	6
Length, in	74.00
Bolt Circle, in	20.00
Projection, in	9.00

Pocket	
Diameter, in	N/A
Thickness, ft	N/A

Concrete	
28 Day Strength, ksi	4.50
Dry Unit Wt, pcf	150.00
Wet Unit Wt, pcf	88.00

Rebar Fy	
Vertical, ksi	60.00
Circular, ksi	60.00
Horizontal, ksi	60.00

Results

ϕM_N – Parallel Axis 16,595.29 ft-kips
 ϕM_N – Diagonal Axis 18,279.47 ft-kips
 Moment – Interaction Ratio 0.685
 ϕV_N – Lateral Load 242.02 kips
 Lateral Load – Interaction Ratio 0.237

Final Mat Dimension : 38.50 x 38.50 x 1.75 ft. thick w/ (3) 3.50 ft. Dia. Piers

Final Pocket Dimension : Pockets not required

Total Volume of Concrete : 100.3 yd³

Designed By: AS
 Date: 18 September, 2023 @ 01:37 PM

ENGINEERING
 CHECKED BY: SY
 09/18/2023

Customer: TAG TOWERS, LLC
 Project: 300 FT RTL TOWER
 Site: MT VERNON EAST, KY
 Engr. File: 244307
 Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.4

OTM Capacity

Controlling Load Case: 2 [Wind w/Min. Dead Load]

Foundation Width = 38.50 ft

$M_U = 11,371.4$ ft-kips

	ϕM_N , ft-kips	x, ft	N	σ_{ur}
Parallel	16,595.3	3.850	0.100	8.50
Diagonal	18,279.5	12.175	0.224	8.50

$\phi M_N = 16,595.29$ ft-kips

IRatio = 0.685

$\phi V_N = 242.02$ kips

IRatio = 0.237

Mat Design

$\gamma_c = 123.33$ pcf

Exterior Slab	x, ft	N	σ_R , ksf	P_s , kips	P_{su} , kips	Moment, ft-kips/ft		Shear, kips/ft	
						DownLoad Side	Uplift Side	Download Side	Uplift Side
Parallel	14.481	0.376	1.68	23.08	0.00	8.50	8.32	4.32	3.64
Diagonal	22.821	0.419	1.80	23.08	0.00	59.98	43.14	12.45	8.49

Interior Slab	Moment, ft-kips/ft			Shear, kips/ft		
	DownLoad Side	Uplift Side	Download Side	Uplift Side	Soil Pressure Termination	
	40.57	45.95	6.70	6.22	5.90	

Punching Shear	Download			Uplift			Description
	Interior	Edge	Corner	Interior	Edge	Corner	
b_o , ft	17.74	15.21	12.57	15.08	13.88	11.91	2-Way Shear
V_{su} , psi	133.10	162.70	206.70	132.88	150.50	185.79	
ϕV_c , psi	228.08	228.08	228.08	228.08	228.08	228.08	
IR	0.58	0.71	0.91	0.58	0.66	0.81	
M_{ut} , ft-kips	84.4			74.5			Moment transfer to slab
B_e , ft	7.5			7.2			
M_u , ft-kips/ft	11.2			10.4			
Edge Distances: a = 5.68 ft. b = 3.17 ft. c = 4.97 ft.							

Summary	Max. Value	Utilization
Slab Moment, ft-kips/ft	59.98	0.979
Slab Shear, kips/ft	12.45	0.569
Punching Shear, psi	206.70	0.906
Soil Bearing Required, σ_{UR} , ksf	2.40	0.209

Mat Reinforcement	
Min. Steel Area (Strength)	.694 in ² /ft.
Min. Steel Area (Temperature)	.227 in ² /ft.
Steel Strain Actual	0.018
Minimum Steel Strain Required	0.005

62 - #6 Horizontal bars equally spaced @7.48 in., each way, top and bottom, total of 248, $A_s = 0.711$ in²/ft

Designed By: AS
 Date: 18 September, 2023 @ 01:37 PM

Customer: TAG TOWERS, LLC
Project: 300 FT RTL TOWER
Site: MT VERNON EAST, KY
Engr. File: 244307
Build Code: ANSI/TIA-222-H-2016



Mat Foundation

ver.3.0.4

Pier Design

Controlling Load Case: 2 [Wind w/Min. Dead Load]

C = 403.39 kips	Vc = 34.84 kips	Mc = 139.36 ft-kips
T = 351.64 kips	Vt = 31.06 kips	Mt = 124.24 ft-kips
Fy = 60.00 ksi	Fyt = 60.00 ksi	L.F. = 1.00
H = 42.00 in.	Ds = 33.00 in.	F'c = 4.50 ksi
U = 1.00	Irs = Round	

*** NOTE: Pier cross section is Round ***

SUMMARY OF ANALYSIS

Minimum area of steel required	= 10.959 in ²	(Rhomin = 0.0079)
Area of steel provided.	= 10.996 in ²	(Rhoactual = 0.0079)
Maximum steel area limit	= 110.836 in ²	(Rhomax = 0.0800)

(14) #8 Vertical Bars equally spaced w/ #4 Circular Ties @ 6" on center.

CIRCULAR TIE DATA

$V_u < 0.85 * V_c / 2$, shear reinforcement is not required

Use maximum tie spacing specified in ACI 318,
Section 7.10.5 for compression reinforcement.

DEVELOPMENT LENGTH MODIFIERS FOR BAR DEVELOPMENT

Modifier for tension development = 1.000
Modifier for compression development = 0.169
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS, (12 in. min.)

Designed By: AS
Date: 18 September, 2023 @ 01:37 PM

Drilled Pier Analysis

 ** WIGGINS METHOD **

 ** DETERMINE MAXIMUM LATERAL SOIL PRESSURE **
 ** AND MAXIMUM MOMENT IN THE SHAFT FOR **
 ** A DRILLED PIER FOUNDATION **
 ***** Mon Sep 18 13:33:15 2023 *****
 Ver. 2.3 NT

FILE NO.- 244307
 ENGR.- AS
 DESCR.- 244307 300 FT RTL TOWER MT VER

FORMULAS USED

$$S1 = \frac{6 \cdot P \cdot (1+N)}{D \cdot L \cdot (1-N) \cdot (1-N)}$$

$$S2 = \frac{(N+3) \cdot (N+3) \cdot S1}{8 \cdot (N+1) \cdot (N+2)}$$

$$K = \frac{1 - (N \cdot N)}{2 \cdot (2+N)}$$

$$Y = \frac{L \cdot (1-K) - NL}{2}$$

$$M = P \cdot (NL + 5/8 \cdot Y)$$

$$V = S1 \cdot D \cdot K \cdot L / 2 \quad \text{or} \quad P \text{ whichever is greater}$$

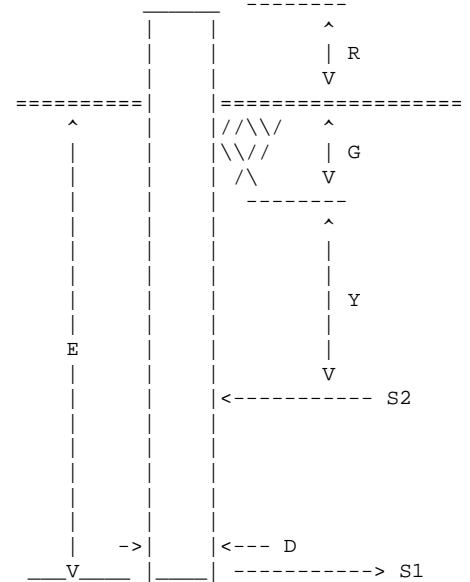
$$L = (MA/P) + R + E$$

$$NL = (MA/P) + R + G$$

$$N = NL / L$$

$$SP1 = S1 / E$$

$$SP2 = S2 / (Y+G)$$



Diameter of Pier = D = 5.00 ft
 Projection Above Grade = R = .50 ft
 Embedment Depth = E = 19.00 ft
 Depth of Soil Ignored = G = 3.00 ft

Equivalent Length of Pier = L = 19.50 ft
 Length for NO Soil Resistance = NL = 3.50 ft
 Applied Moment at Top of Pier = MA = .00 ft-k
 Shear at Top of Pier = P = 35.17 kips

MAXIMUM LATERAL SOIL PRESSURES

MAXIMUM VALUES IN SHAFT

K = .2220
 Y = 5.84 ft
 S1 = 3.792 ksf
 S2 = 1.864 ksf
 SP1 = 200 psf/ft
 SP2 = 211 psf/ft

M = 251.36 ft-k
 V = 41.04 kips

Drilled Pier Analysis

244307
244307 300 FT RTL

**
** COMPARISION DATA **
**

BROMS ----->	SAND	CLAY
	PHI = 30.0 degrees	C = 1.00 ksf
	DENSITY = 100.00 pcf	
	E = 15.22 ft	E = 16.47 ft
	Max. M = 254.19 ft-k	Max. M = 308.85 ft-k
	Max. V = 103.59 kips	Max. V = 83.36 kips
	Ls = 11.106 ft	

EIA REV. E NORMAL SOIL -----> E = 10.76 ft

EIA REV. F NORMAL SOIL -----> E = 13.36 ft

SHAFT REINFORCING PROGRAM VER. 91.7

=====

DESIGNED BY: AS
 ENG. FILE NO.: 244307
 DATE: 09/18/23

CUSTOMER: 244307
 DESCRIPTION: 300 FT RTL TOWERMT VERNON EAST, KY

INPUT DATA

=====

C = 409.20 Kips	Vc = 41.04 Kips	Mc = 251.36 Ft-K
T = 351.64 Kips	Vt = 41.04 Kips	Mt = 251.36 Ft-K
Fy = 60.00 Ksi	Fyt = 60.00 Ksi	L.F. = 1.00
H = 60.00 In.	Ds = 48.00 In.	F'c = 4.50 Ksi
U = 1.00	Irs = 1	

*** SHAFT CROSS SECTION IS ROUND ***

SUMMARY OF ANALYSIS

=====

Minimum area of steel req'd. = 14.14 sq.in. (Rhomin = 0.0050)
 Maximum steel area limit = 226.20 sq.in. (Rhomax = 0.0800)

CIRCULAR TIE DATA

=====

$V_u < .85 \cdot V_c / 2$, shear reinforcement is not required.

Use maximum tie spacing specified in A.C.I. 318-83,
 Section 7.10.5 for compression reinforcement.

DEVELOPMENT LENGTH MODIFIERS FOR TENSION AND COMPRESSION BAR DEVELOPMENT

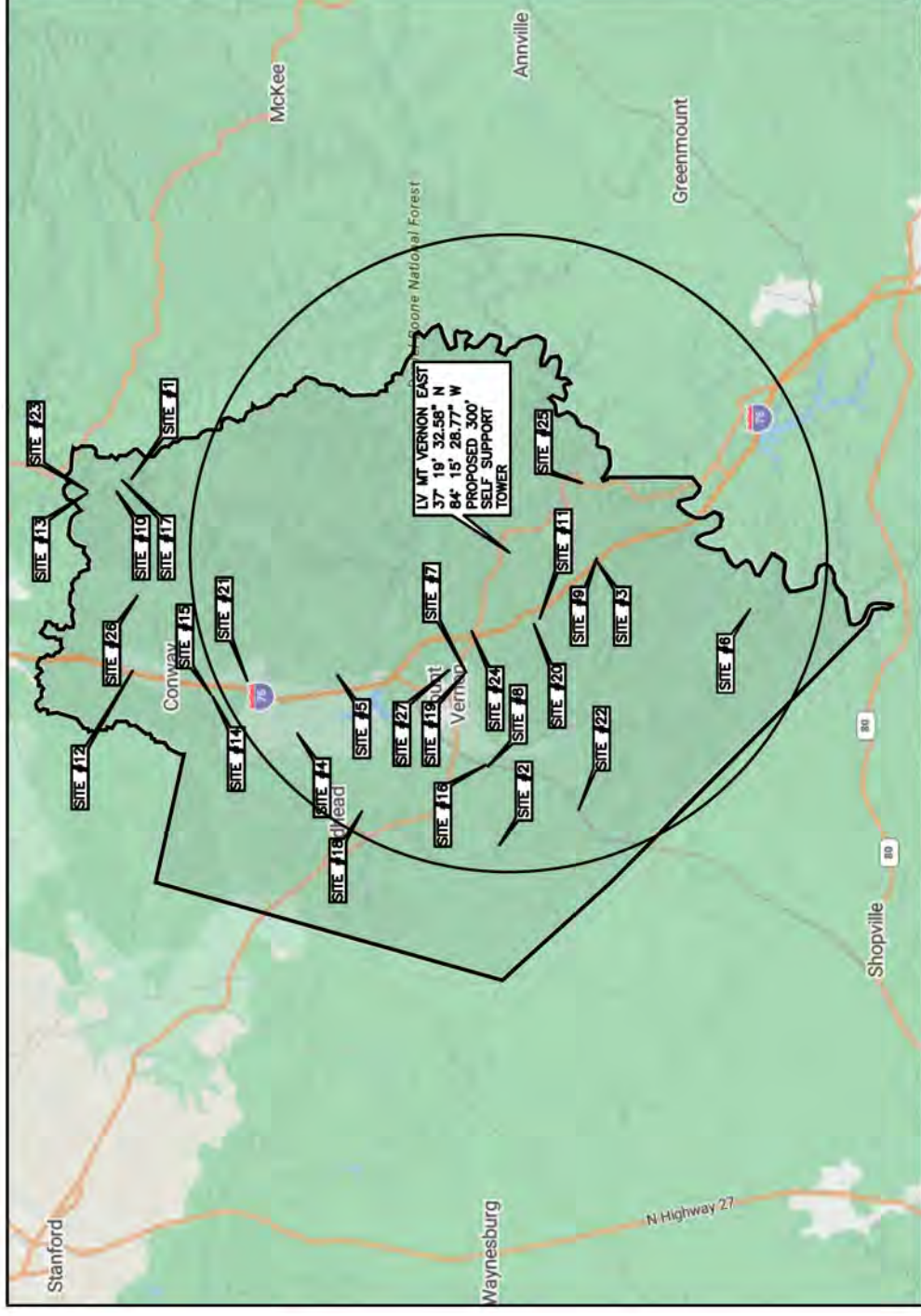
=====

DLMT = MODIFIER FOR TENSION DEVELOPMENT =	1.000
DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT =	.313
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)	
DLMT = MODIFIER FOR TENSION DEVELOPMENT =	1.000
DLMC = MODIFIER FOR COMPRESSION DEVELOPMENT =	.339
REQUIRED Ld = MODIFIER * BASIC Ld * ACI 318 MODIFIERS (12 in. min.)	

RURAL CELLULAR
CORP D/B/A



CITY OF MT VERNON
ROCK CASTLE COUNTY, KENTUCKY
VERIZON WIRELESS SITE LV MT
VERNON EAST
TOWER LOCATION EXHIBIT



MAP NOT TO SCALE



KENTUCKY

- SITE#1: FCC# 1008337, AMERICAN TOWERS (DELAWARE), INC, LLC 37° 30' 15.0\"/>



TAG TOWERS, LLC
108 FORBES COURT, SUITE 1
RICHMOND, KY 40475
859.544.5000 (PH)



49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393
PHONE: (248) 705-9212

REV.	DATE	DESCRIPTION
A	08/04/23	ISSUED FOR REVIEW
B	08/16/23	ISSUED FOR REVIEW
0	11/16/23	ISSUED FOR CONSTRUCTION



Peter Lichomski

SITE INFORMATION:
LV MT VERNON EAST
321 FROSTY HOLLOW ROAD
MT VERNON, KY 40456
ROCK CASTLE COUNTY

SITE NUMBER:
721772

SITE NAME:
LV MT VERNON EAST

PID NUMBER: 16913443
DRAWN BY: RC
CHECKED BY: PL
DATE: 10.25.23

SHEET TITLE:
PSC MAP

SHEET NUMBER:
PSC-1
MK PWD & CWPT REV 2 FINAL 08/23/23



Proposed Case for : 2023-ASO-23317-OE

For information only.

This proposal has not yet been studied. Study outcomes will be posted at a later date.
Public comments are not requested, and will not be considered at this time.

Overview				
Study (ASN): 2023-ASO-23317-OE	Received Date: 07/17/2023			
Prior Study:	Entered Date: 07/17/2023			
Status: Work In Progress	Map: View Map			
Construction Info				
Notice Of: CONSTR	Structure Summary			
Duration: PERM (Months: 0 Days: 0)	Structure Type: Antenna Tower			
Work Schedule:	Structure Name: Mt. Vernon East			
	FCC Number:			
Structure Details				
Latitude (NAD 83): 37° 19' 32.58" N	Height and Elevation			
Longitude (NAD 83): 84° 15' 28.77" W	Site Elevation: Proposed 1201			
Datum: NAD 83	Structure Height: 305			
City: Mt Vernon	Total Height (AMSL): 1506			
State: KY				
Nearest County: Rockcastle				
Frequencies				
Low Freq	High Freq	Unit	ERP	Unit
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W

Previous [Back to Search Result](#) Next



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2023-ASO-23317-OE

Issued Date: 11/01/2023

David Ginter
TAG Towers, LLC
108 Forbes Court
Suite 1
Richmond, KY 40475

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower Mt. Vernon East
Location: Mt Vernon, KY
Latitude: 37-19-32.58N NAD 83
Longitude: 84-15-28.77W
Heights: 1201 feet site elevation (SE)
305 feet above ground level (AGL)
1506 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Air Missions (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)

___X___ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 05/01/2025 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ASO-23317-OE.

Signature Control No: 593594700-603475467

Angelique Eersteling
Technician

(DNE)

Attachment(s)
Additional Information
Case Description
Frequency Data
Map(s)

cc: FCC

BASIS FOR DECISION

Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band. The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band

This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

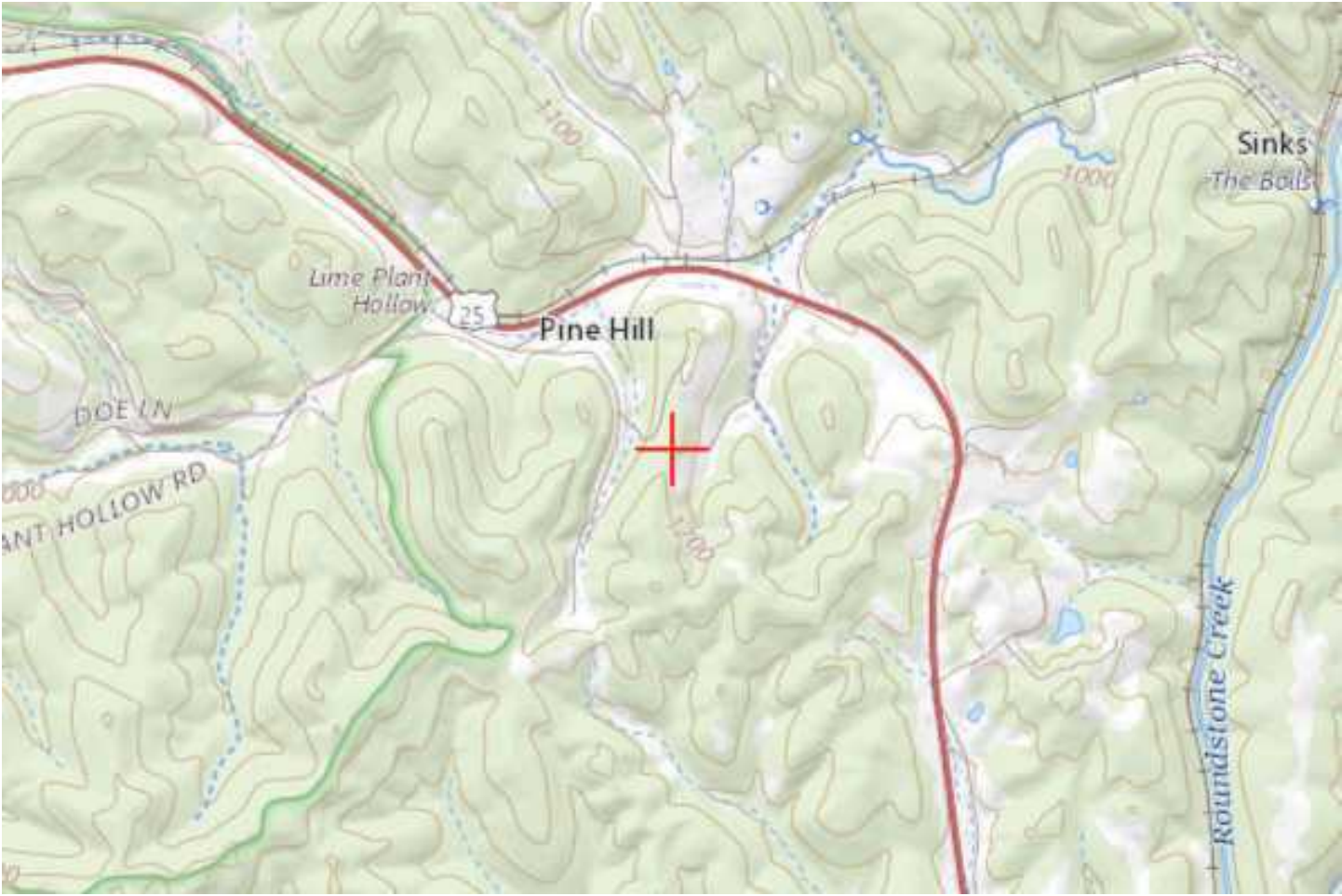
The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation. As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

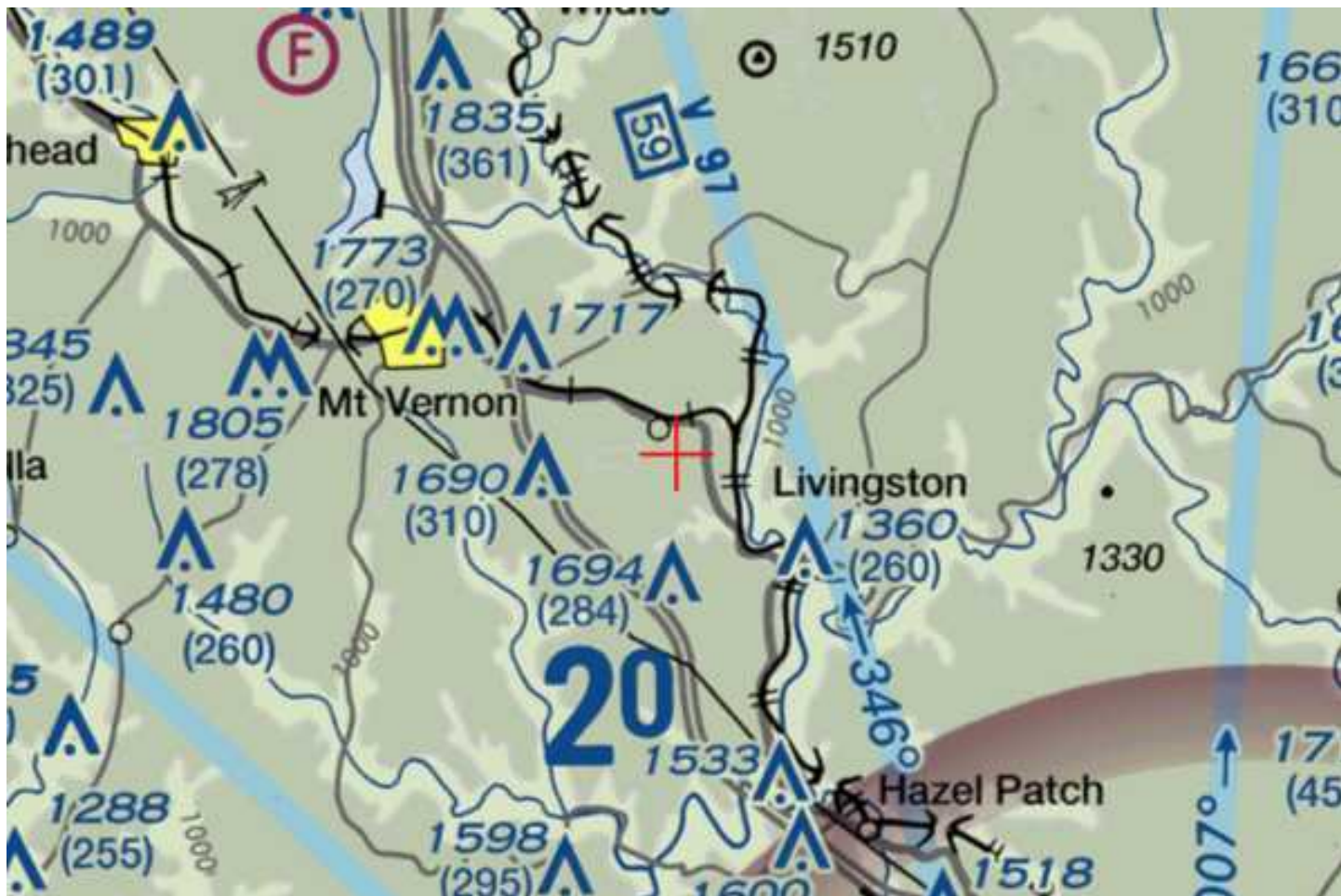
Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

Wireless telecom Self-support tower

Frequency Data for ASN 2023-ASO-23317-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W







KENTUCKY TRANSPORTATION CABINET
KENTUCKY AIRPORT ZONING COMMISSION

TC 55-2
Rev. 06/2020
Page 2 of 2

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) TAG Towers, LLC		PHONE 859.544.5000	FAX N/A	KY AERONAUTICAL STUDY #	
ADDRESS (street) 108 Forbes Court, Ste 1		CITY Richmond		STATE KY	ZIP 40475
APPLICANT'S REPRESENTATIVE (name) David Ginter		PHONE 859.544.5000	FAX N/A		
ADDRESS (street) 108 Forbes Court, Ste 1		CITY Richmond		STATE KY	ZIP 40475
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days)				Start 1/12/24 End 3/29/24	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building		MARKING/PAINTING/LIGHTING PREFERRED			
<input checked="" type="checkbox"/> Antenna Tower		<input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity			
<input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank		<input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white			
<input type="checkbox"/> Landfill <input type="checkbox"/> Other		<input type="checkbox"/> Other			
LATITUDE 37°19'32.58"		LONGITUDE 84°15'28.77"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27	
<input type="checkbox"/> Other					
NEAREST KENTUCKY City Mt Vernon County Rockcastle		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Madison Co Airport			
SITE ELEVATION (AMSL, feet) 1201		TOTAL STRUCTURE HEIGHT (AGL, feet) 305		CURRENT (FAA aeronautical study #) 2023-ASO-23317-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1506				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 21 Miles Approximately				PREVIOUS (KY aeronautical study #) N/A	
DIRECTION (from nearest Kentucky public use or Military airport to structure) South					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Off of State Rt 25, Frosty Hollow Road					
DESCRIPTION OF PROPOSAL Proposed telecommunications tower					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, when?					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME David Ginter	TITLE Manager	SIGNATURE 		DATE 8/23/23	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC			
		<input type="checkbox"/> Administrator, KAZC			
<input type="checkbox"/> Approved	SIGNATURE			DATE	
<input type="checkbox"/> Disapproved					



KENTUCKY AIRPORT ZONING COMMISSION

ANDY BESHEAR
Governor

Department of Aviation, 90 Airport Road
Frankfort, KY 40601
www.transportation.ky.gov
502-564-0151

JIM GRAY
Secretary

APPROVAL OF APPLICATION

Friday, November 3, 2023

TAG Towers, LLC
108 Forbes Court, Ste 1
Richmond, KY 40475

AS-2023-061-RGA **Central Kentucky Regional**
APPLICANTS NAME: TAG Towers, LLC
NEAREST CITY: MT Vernon, KY
LATITUDE/LONGITUDE: 37°19'32.58" N, 84°15'28.77" W
HEIGHT (In Feet): 305' AGL/1506' AMSL
CONSTRUCTION PROPOSED: 305' Telecommunication Tower.

NOTES: The proposed tower is approx 21 nm S of RGA and penetrates no protected air surfaces.

FAA DETERMINATION: 2023-ASO-23317-OE. No Hazard No Impact to Air Navigation. Must comply with the FAA 5G C band compatibility. Must be marked and lighted IAW FAA AC 70/7460-1M, med-dual system- Chapters 4,8 (M-Dual),&15.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, David Ginter, dginter@tagtowers.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Commission Administrator
KY Department of Aviation
502-564-0151 Office
AirportZoning@ky.gov

GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

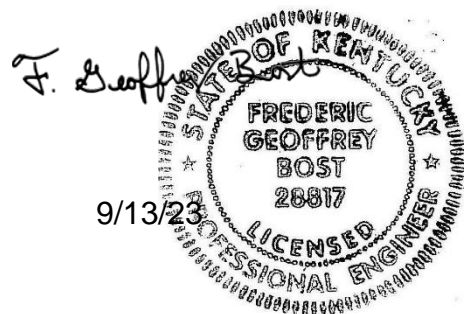
September 13, 2023

PROPOSED SELF SUPPORT TOWER
MT VERNON EAST
721772

Frosty Hollow Road
Mt. Vernon, KY 40456

37.3257, -84.2579

Prepared by:



Jorge Varela

Jorge Varela, P.E.
Geotechnical Engineer

Frederic G. Bost, P.E.
Registered KY 28817

Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615
(919) 782-2710

Project Summary

Item	Description
Project Description	A geotechnical exploration and report have been prepared for this proposed self-supported tower. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system.
Site Coordinates	Latitude: 37.3257 Longitude: -84.2579
Site Condition	The proposed tower will be installed at Frosty Hollow Road in Mt. Vernon, Kentucky.
Frost Depth	Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Rockcastle County, KY is 20 inches (1.6 ft).
Groundwater	Subsurface groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.
Proposed Foundation	We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).

Field Exploration

Item	Description
Date	September 8 th , 2023
Number of Borings	1
Location	Latitude: 37.3257 Longitude: -84.2579
Equipment Used	CME 45
Advancement Method	Hollow Stem Auger (HSA) and Rock Coring
Sampling Method	ASTM D-1586 with 1.5 I.D. Split Spoon Sampler ASTM D2113 Standard Practice for Rock Core Drilling and Sampling of Rock for Site Exploration

Laboratory Classification and Testing

Standard	Description
ASTM D2488	Standard Practice for Description and Identification of Soils

Subsurface Profile

Based on the results of our borings, the soils beneath the surface can be summarized in the table below:

Material Encountered	Approximate Depth to Bottom of Stratum	Description	Consistency / Density
CLAY	9	Red and tan sandy lean clay	Stiff to Hard
SILTSTONE	12	Moderately weathered and fractured	--
SANDSTONE	19	Moderately weathered and fractured	--

Detailed descriptions of conditions encountered at each exploration point are indicated on the individual logs in the Appendix B. Stratification boundaries on the boring logs represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual.

Groundwater was not encountered at the time of drilling. Groundwater levels will fluctuate with seasonal and climatic changes and may be different at other times.

Earthwork Recommendations – Equipment Mat

Earthwork is anticipated to include excavations and fill placement. The following sections provide recommendations for use in the preparation of the equipment mat foundation area and access drive.

Site Preparation

The subgrade should be evaluated under the direction of the Geotechnical Engineer. Areas where soft material are present or excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

Fill Material Types

Soil Type	USCS Classification	Acceptable Parameters (for Structural Fill)
Imported Low- to Moderate- Plasticity Soil ²	CL, ML, SC or SM	All locations and elevations
Sand / Gravel with greater than 12% fines	GW/GP, SW/SP	Crushed stone base course may be used for the access roadway or beneath shallow foundations as a replacement material for overexcavated soils.
Near-Surface On-site soils ²	CL	On-site soils generally appear suitable for use as fill when they contain at least 12% fines (clay and/or silt) and are compacted at an appropriate moisture content.

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. A sample of each material type should be submitted to the geotechnical engineer for evaluation.
2. Low- to moderate-plasticity cohesive soil or granular soil having at least 12% fines

Fill Compaction Requirements

Item	Structural Fill	General Fill
Maximum Lift Thickness	8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used	Same as Structural fill
Minimum Compaction Requirements ^{1,2}	98% of max. below foundations and within 1 foot of finished pavement subgrade 95% of max. above foundations, below floor slabs, and more than 1 foot below finished pavement subgrade	92% of max.
Water Content Range ¹	Low plasticity cohesive: -2% to +3% of optimum High plasticity cohesive: 0 to +4% of optimum Granular: -3% to +3% of optimum	As required to achieve min. compaction requirements

1. Maximum density and optimum water content as determined by the standard Proctor test (ASTM D 698).
2. High plasticity cohesive fill should not be compacted to more than 100% of standard Proctor maximum dry density.

Excavations

Groundwater was not encountered at the time of drilling. Although not expected, if encountered in deep trench excavations during construction, groundwater or perched groundwater will require dewatering until backfilling operations are complete.

All excavations that may be required should, at a minimum, comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards to provide stability and safe working conditions.

Slopes

For permanent slopes in unreinforced compacted fill areas, we recommended maximum configurations of 3:1 (Horizontal: Vertical) for the cohesive soils (clay) found at the site.

If steeper slopes are required for site development, stability analyses should be completed to design the grading plan. The face of all slopes should be compacted to the minimum specification for fill embankments. Fill slopes should be overbuilt and trimmed to compacted material.

Earthwork Construction Considerations

The near-surface, on-site soils will lose strength when exposed to moisture. To the extent practical, earthwork should be performed during drier periods of weather. Increased remedial measures due to wet and soft or otherwise unsuitable conditions should be expected if earthwork is performed during colder and wetter periods of weather.

A qualified geotechnical engineer should be retained during the earthwork phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; to monitor proof-rolling, placement and compaction of controlled compacted fills, and backfilling of excavations to the completed subgrade.

Foundations Recommendations

The following recommendations are made based on our review of the test boring data and our past experience with similar projects and subsurface conditions. Ultimate soil strength parameters are presented on table below.

Ultimate Strength Parameters

Boring #	Depth (ft)	Unified Soil Classification	Total Unit Weight (pcf)	Friction Angle (degrees)	Cohesion (psf)
B-1	0.0 – 1.5	CL	115	--	1,100
	1.5 – 3.0	CL	115	--	2,900
	3.0 – 6.0	CL	115	--	4,500
	6.0 – 9.0	CL	115	--	4,000
	9.0 – 19.0	BEDROCK	145	45	--

1. Groundwater was not encountered.

Based on the subsurface conditions and typical design foundation loads for similar self-support towers, we recommend that either a caisson (drilled shaft) or a pad/pier be used to support the new tower.

Modulus of Subgrade Reaction

A vertical and horizontal modulus of subgrade reaction may be derived using the following equations and soils parameters expressed in the above table:

$$k_{s-v} = 12 \cdot SF \cdot q_a$$

$$k_{s-h} = k_{s-v} \cdot B$$

Where:

q_a = Allowable Bearing Capacity (ksf)

SF = Safety Factor

B = Base width (ft), use 1 if B < 1ft

k_{s-v} = Vertical Modulus of Subgrade Reaction (kcf)

k_{s-h} = Horizontal Modulus of Subgrade Reaction (ksf)

Caisson (Drilled Shaft)

Should caissons (drilled shafts) be used, the caissons (drilled shafts) will achieve compressive (downward) and tensile (uplift) resistance through skin friction along the sides of the shafts. In addition to skin friction, bearing resistance at the caisson’s tip will contribute to compressive capacity. We recommend the values given the table below be used for this project. Please note the tip bearing capacity and skin frictions are net ultimate and ultimate values respectively. Appropriate factors of safety or resistance factors should be used. Lateral loads can be resisted by the lateral stiffness of the soil. Parameters for analysis of the laterally loaded caisson are also given the table below.

Caisson (Drilled Shaft) Parameters

Depth (ft)	Net Ultimate Tip Bearing Capacity (ksf)	Ultimate Skin Friction ¹ (ksf)		Lateral Modulus (pci)	ε ₅₀ (in/in)
		Compressive	Uplift		
0.0 – 1.5	--	--	--	--	--
1.5 – 3.0	--	1.5	1.5	1,000	0.005
3.0 – 6.0	--	2.3	2.3	1,000	0.005
6.0 – 9.0	36	2.0	2.0	2,000	0.004
9.0 – 19.0	40	1.3	1.3	225	--

1. We recommend the skin friction be ignored for the top 3 ft of the caisson

Based on the subsurface soil conditions, excavations for the caissons (drilled shafts) should be possible using a large, truck-mounted, hydraulic-advanced drill rig. All debris, loose or disturbed soil should be removed from the excavation prior to placing reinforced steel and/or concrete. Reinforcing steel and/or concrete should be placed immediately upon completion of the excavation.

The excavations may be susceptible to caving. Drilling fluid or casing could be used to assist in keeping the drilled hole open. If casing is used, we recommend it be removed from the excavation as concrete is being placed. Continuous vibration or other approved methods should be used during casing withdrawal to reduce the potential for void-space formation within the concrete. If water is present during concrete placement and/or drilling fluids are used to maintain hole stability,

concrete should be pumped or otherwise discharged to the bottom of the hole via a hose or tremie pipe. The end of the hose or tremie pipe must remain below the top surface of any water, drilling fluid and the in-place concrete at all times. Additionally, concrete should be consolidated using vibration methods over the entire length and width of the caissons and the consolidation should be performed only after these fluids are removed and to the extent possible.

Pad & Pier / Single Mat Foundation

If the site has been prepared in accordance with the requirements noted in *Earthwork Recommendations – Equipment Mat*, the tower’s foundation capacity can be determined using the soil’s bearing capacity, passive pressure resistance, and a sliding friction factor.

Net Ultimate Bearing Capacity and Sliding Friction Factor

Depth² (ft)	Net Ultimate Bearing Capacity¹ (psf)	Sliding Friction Factor¹
0.0 – 2.0	--	--
2.0 – 4.0	11,500	0.30
4.0 – 9.0	14,300	

1. This value is a net ultimate value and an appropriate factor of safety or resistance factor should be used

Ultimate Passive Pressure and Friction Factor

Boring #	Depth (ft)	Ultimate Passive Pressure ¹ (psf) ¹
B-1	0.0 – 2.0	0 – 400
	2.0 – 4.0	400 – 800
	4.0 – 9.0	800 – 1,800
	9.0 – 12.0	1,800 – 4,200

1. Ultimate passive pressure can be interpolated for foundation depths with the depth ranges given

Seismic Parameters

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC)

Seismic Site Classification

Item	Seismic Parameter
2018 International Building Code Seismic Site Classification	C ¹
Design Spectral Response Acceleration Parameters	S _{ds} = 0.175g S _{d1} = 0.087g

1. The IBC seismic site classification is based on the subsurface profile depth of 100 feet. The scope of work did not authorize exploration to a depth of 100 feet. A seismic Site Soil Classification of D should be used if insufficient details are known about the 100-foot soil profile.

LIMITATIONS OF REPORT

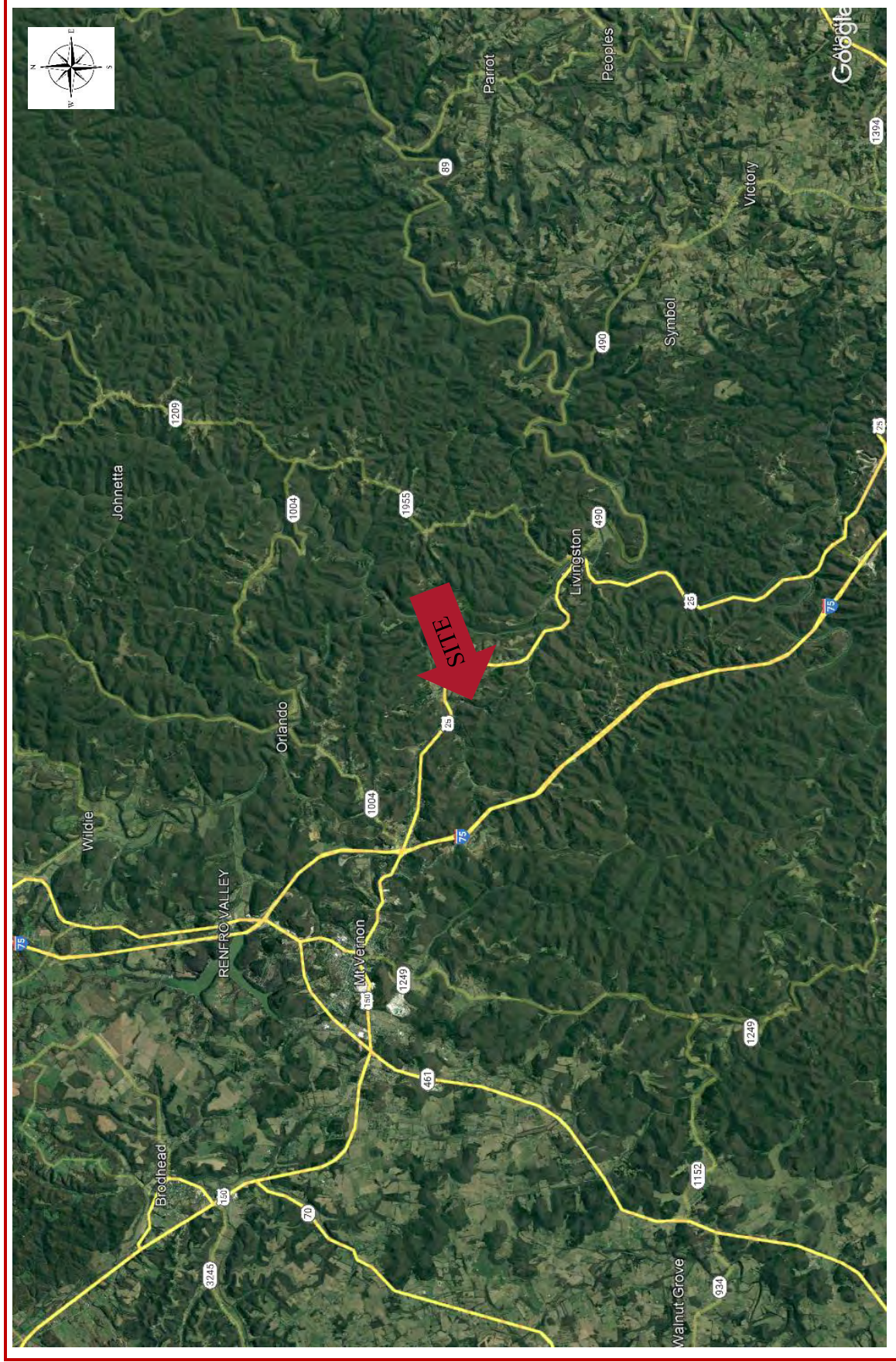
This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other warranty, expressed or implied, is made.

The analyses and conclusions submitted herein are based, in part, upon the data obtained from the subsurface exploration performed for this analysis. The soil and ground water conditions can vary across the site. Opinions and conclusions are subject to change if new or additional information is submitted for review.

APPENDIX A
LOCATION INFORMATION

SITE LOCATION PLAN
MT VERNON EAST (721772)
Job Number: 23121213

September 13, 2023



Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615
(919) 782-2710

BORING LOCATION PLAN
MT VERNON EAST (721772)
Job Number: 23121213

September 13, 2023



Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615
(919) 782-2710



APPENDIX B
SOIL TEST BORING



CLIENT EBI Consulting
 PROJECT NUMBER 23121213
 DATE 9/8/2023
 DRILLING METHOD Hollow Stem Auger (HSA) and Rock Coring
 DRILLING EQUIPMENT CME 45
 LOGGED BY J. Varela
 NOTES _____

PROJECT NAME MT VERNON EAST (721772)
 PROJECT LOCATION Frosty Hollow Rd, Mt. Vernon, KY 40456
 COORDINATES 37.325717, -84.257992
 GROUND WATER LEVELS:
 AT TIME OF DRILLING --- Not Encountered
 AT END OF DRILLING --- Not Encountered
 AFTER DRILLING --- Not Encountered

ETS - BORING W/ROCK CORING 2 - ETS DATABASE JUN30.GDT - 9/13/23 11:49 - R:\2023\121213_Mt VERNON EAST\GEI1896_GEOTECHREPORT\MT VERNON EAST.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)
0					
		SANDY LEAN CLAY (CL) , red and tan, moist, stiff.	SS 1		7-5-6 (11)
		SANDY LEAN CLAY (CL) , red and tan, moist, very stiff to hard.	SS 2		9-15-14 (29)
5			SS 3		9-26-20 (46)
			SS 4		8-17-23 (40)
		<i>Auger Refusal at 9.0 feet.</i>			
10		SILTSTONE , moderately weathered and fractured.	RC 1	98 (15)	
		SANDSTONE , moderately weathered and fractured.	RC 2	95 (45)	
15					

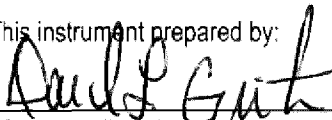
Bottom of borehole at 19.0 feet.

DIRECTIONS TO THE SITE

FROM: 205 EAST MAIN STREET, MOUNT VERNON, KY 40456; HEAD EAST ON KY-1326 / EAST MAIN STREET TOWARD SPRING STREET, 0.3 MILE, KEEP STRAIGHT TO GET ONTO US-150 EAST / US-25 SOUTH / SOUTH WILDERNESS DRIVE, 4.5 MILE, TURN RIGHT ONTO PINE HILL CIRCLE, 0.1 MILE, TAKE A SHARP LEFT ONTO FROSTY HOLLOW ROAD, 0.4 MILE, ARRIVE AT 321 FROSTY HOLLOW ROAD, MOUNT VERNON, KY 40456

LAB ARCHITECTS, (248) 705-9212

This instrument prepared by:



After recording please return to:

TAG Towers LLC

Attention: David L. Ginter

Attention: Real Estate Department

108 Forbes Court

Richmond, Kentucky 40475

Memorandum of Land Lease Agreement

Site Name: Mt. Vernon East

Site I.D.: KY-2004

This Memorandum of Land Lease Agreement provides record notice of that Land Lease Agreement dated JULY 7th 2023 ("Agreement") by and between CLYDE RAYMOND COLLINS AND MAGDALENE COLLINS, husband and wife (the "Owner") and TAG Towers LLC, a Delaware limited liability company ("Lessee"), the terms and conditions of which are incorporated herein by reference.

Such Agreement provides in part that Owner leases to Lessee a portion of that land and property located in the Commonwealth of Kentucky, County of Rockcastle, commonly known as Parcel 074-00-002, Map Number 073SW-00-016.02, legally described in that document recorded in Deed Book 247, Page 341 in the Office of the County Clerk, Rockcastle County, Kentucky and located at 321 Frosty Hollow Road, Mt. Vernon, Kentucky and more particularly described on Exhibit A, together with non-exclusive easements for ingress, egress, regress, access and utilities, for an initial term of five (5) years, commencing on the date of the Agreement, which term is subject to ten (10) additional five (5) year extension periods by Lessee.

Further, the Agreement further grants to Lessee a right of first refusal, as more particularly set forth therein, to purchase or acquire, by easement, assignment or otherwise, the Owners interest in the Agreement or the real property subject to the terms of the Agreement.

**THE REMAINDER OF THIS PAGE IS INTENTIONALLY BLANK
SIGNATURE PAGES FOLLOW**

IN WITNESS WHEREOF, the parties have executed the Memorandum as of the day and year first above written.

OWNER: CLYDE RAYMOND COLLINS AND MAGDALENE COLLINS, husband and wife

Name: Clyde R. Collins

Title: Clyde Raymond Collins

Date: 6/15/23

Name: Magdalene Collins

Title: Magdalene Collins

Date: 6/15/23

OWNER ACKNOWLEDGMENT:

COMMONWEALTH OF KENTUCKY

COUNTY OF Boycastle

The foregoing instrument was acknowledged before me this 15th day of June, 2023 by Clyde Raymond Collins and Magdalene Collins, husband and wife, who, being duly authorized to execute this instrument, so executed the instrument as his/her voluntary act and deed. He/She/They is/are personally known to me or has produced Drivers License as identification.

My Commission Number: KYNP36133

Wanda Coffey
Notary Public

My Commission Expires: 9/7/25

Wanda Coffey
Printed Name



Wanda Coffey

LESSEE: TAG Towers LLC, a Delaware limited liability company

By: David L. Ginter
Name: David L. Ginter, President
Title: President
Date: 7/7/23

LESSEE ACKNOWLEDGMENT:
COMMONWEALTH OF KENTUCKY
COUNTY OF MADISON

The foregoing instrument was acknowledged before me this 7 day of July, 2023, by David L. Ginter, the President of TAG Towers LLC, a Delaware limited liability company (Lessee), for and on behalf of the company. He is personally known to me or has produced _____ as identification.

My Commission Number: 11282

My Commission Expires: July 23 2024

Richard L Pennington
Notary Public

Richard L Pennington
Printed Name

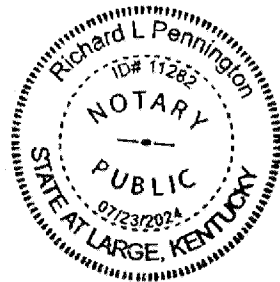


EXHIBIT A
Site Agreement - Site Description - Permitted Exceptions

Site Agreement - Site Description - Permitted Exceptions

Site Name: Mt. Vernon East

Site I.D.: KY-2004

That land and property located in the Commonwealth of Kentucky, County of Rockcastle, commonly known as Parcel 074-00-002, Map Number 073SW-00-016.02, legally described in that document recorded in Deed Book 247, Page 341 in the Office of the County Clerk, Rockcastle County, Kentucky and located at 321 Frosty Hollow Road, Mt. Vernon, Kentucky

Site Sketch

Candidate: Rhonda Lunsford
Address: 321 Frosty Hollow Road Mt. Vernon, KY 40456
Lat / Long: 37 325833, -84 258056
Zoning Jurisdiction: Rock Castle County, KY Zoning Classification: None
Ordinance Dictated Setbacks: None
Airport: Mt. Vernon Outland Airport

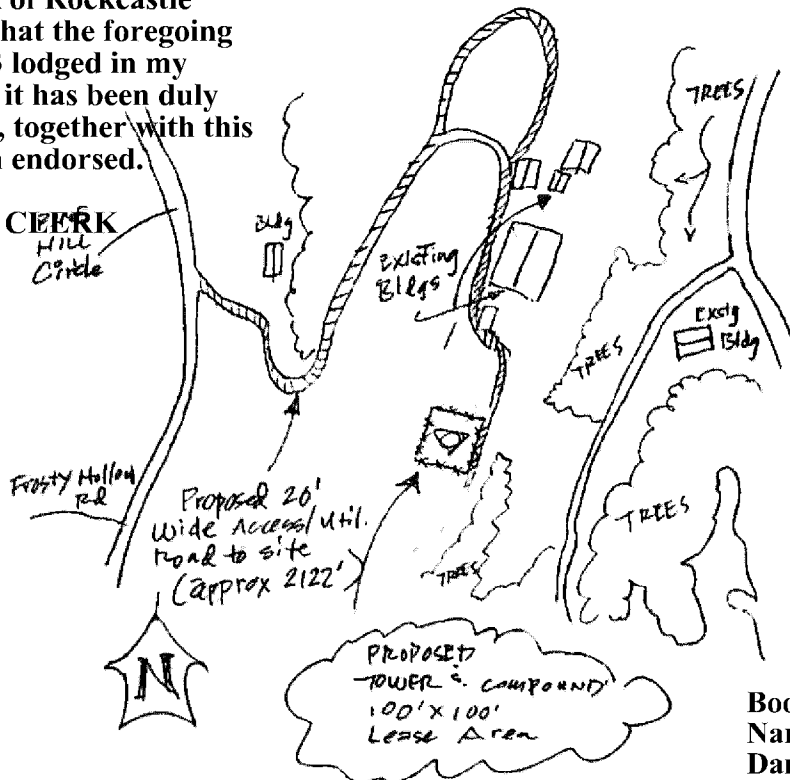
(Drawing not to scale / Tower and compound lease area measurements and placement subject to adjustment)



STATE OF KENTUCKY
COUNTY OF ROCKCASTLE, Sct.
I, Danetta Ford Allen, Clerk of Rockcastle County Court, do certify that the foregoing LEASE was on 07/11/2023 lodged in my office for record, and that it has been duly recorded in my said office, together with this and the certificate thereon endorsed.

Given under my hand.

Danetta Ford Allen, CLERK
Hill Circle



Book: 26 Pages: 29-32 (4)
Name: LEASE
Danetta Ford Allen
ROCKCASTLE COUNTY
07/11/2023



Raymond Lunsford Prop. Parcel
PID. no 074-00-002
site address - 321 Frosty Hollow Road Mt. Vernon, KY 40456

Permitted Exceptions: None.

MT VERNON KY
NSB - J2W

Note: Owner and Lessee may, at Lessee's option, replace this Exhibit with an exhibit setting forth the legal description of the property on which the Site is located and/or a more detailed survey or drawing depicting the Site.

Parcel Number 074-00-002
 COLLINS CLYDE R & MAGDALINE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-002
 Account Number: 4769
 Location Address: CARDINAL HOLLOW 242
 Description: 69 ACRES
(Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 00.00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner:
 COLLINS CLYDE R & MAGDALINE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
6/2/1994	\$0		150-282	COLLINS CLYDE R & MAGDALINE	ALLEN EBB

Information



Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon - Fri 8:00 a.m. - 4:00 p.m.

PVA
 Kathy Robinson
 606-256-4194

Announcements

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Parcel Number 073SW-00-016.02
 LUNSFORD RHONDA K
 321 FROSTY HOLLOW RD
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-016.02
 Account Number: 1660
 Location Address: FROSTY HOLLOW RD 321
 Description: HOUSE & LOT
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00.00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner:
 LUNSFORD RHONDA K
 321 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/1/2014	\$0	Partial Sales	247-341	LUNSFORD RHONDA K	STEVE LUNSFORD
3/1/2014	\$0	Partial Sales	--	STEVE LUNSFORD	STEVE LUNSFORD
3/1/2014	\$0	Partial Sales	--	STEVE LUNSFORD	STEVE LUNSFORD

Information



Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon - Fri 8:00 a.m. - 4:00 p.m.

PVA
 Kathy Robinson
 606-256-4194

Announcements

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Parcel Number 073SW-00-032.04
 COLLINS CLYDE R & MAGDALENE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-032.04
 Account Number 4770
 Location Address CARDINAL HOLLOW RD 0
 Description 3 ACRES
 (Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS CLYDE R & MAGDALENE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics

Valuation


Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/1/1988	\$0		133-483	COLLINS CLYDE R & MAGDALENE	GEORGE S IRENE COLLINS

Recent Sales In Area

Sale date range:
 From: 11/15/2020 To: 11/15/2023

Information



Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon-Fri 8:00 a.m. - 4:00 p.m.

PVA
[Sally Robinson](#)
 606-256-4194

Announcements

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Parcel Number 073SW-00-016
[COLLINS CLYDE R](#)
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-016
 Account Number 4738
 Location Address FROSTY HOLLOW RD @ PINE HIL 317
 Description 10 ACRES & DW HOME
 (Note: Not to be used on legal documents)
 Class Farm
 Tax District 00 00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS CLYDE R
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics



Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
1/1/2000	\$0			COLLINS CLYDE R	

Information

Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon-Fri 8:00 a.m. - 4:00 p.m.

PVA
[Sally Robinson](#)
 606-256-4194

Announcements

[How to use the PVAcon site - Video Demo Videos](#)

Parcel Number 073SW-00-027
 COLLINS KENNETH B & TAWANA
 PO BOX 1907
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-027
 Account Number 4752
 Location Address 5 WILDERNESS RD 5038
 Description 20 ACRES & HOUSE
 (Note: Not to be used on legal documents)
 Class Farm
 Tax District 00 00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS KENNETH B & TAWANA
 PO BOX 1907
 MT VERNON, KY 40456


Land Characteristics

Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/14/2022	\$210,000	Close Relative Sale	285-163	COLLINS KENNETH B & TAWANA	COLLINS ADAM
3/1/2010	\$72,000	Arms-Length Transaction	229-638	COLLINS ADAM	BURDINE KEVIN
10/1/2008	\$56,500	Arms-Length Transaction	-	BURDINE KEVIN	MILLER THOMAS A &



Information

Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon- Fri 8:00 a.m. – 4:00 p.m.

PVA
 Kathy Robinson
 606-256-4194

Announcements

[How to use the Reason site - view Demo Videos](#)

Parcel Number 073SW-00-026
 MARTIN ALEX & MELISSA
 2744 JOHNSON RD
 LONDON, KY 40741

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-026
 Account Number 3582
 Location Address 5 WILDERNESS RD 4912
 Description 5 1/2 ACRES
 (Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner


Primary Owner
 MARTIN ALEX & MELISSA
 2744 JOHNSON RD
 LONDON, KY 40741

Land Characteristics

Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/22/2022	\$0	Close Relative Sale	285-242	MARTIN ALEX & MELISSA	MARTIN PATRICIA
11/18/2016	\$40,000	Multiple Parcels	258-408	MARTIN PATRICIA	BURDINE JACKIE & BARBARA
12/1/2011	\$20,000	Arms-Length Transaction	237-381	BURDINE JACKIE & BARBARA	LUCAS EDWARD W & DEBORAH
7/1/2004	\$92,000		200-655	LUCAS EDWARD W & DEBORAH	BILL & HAZEL PARKER



Information

Rockcastle County PVA
 205 E. Main Street
 Mt. Vernon, KY 40456
 Mon- Fri 8:00 a.m. – 4:00 p.m.

PVA
 Kathy Robinson
 606-256-4194

Announcements

[How to use the Reason site - view Demo Videos](#)

Parcel Number 073SW-00-014
 RICHARDSON PHYLLIS
 174 FROSTY HOLLOW RD
 MT VERNON, KY 40456

qPublic.net Rockcastle County, KY PVA Elizabeth Williams Search search...

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-014
 Account Number: 11488
 Location Address: FROSTY HOLLOW RD 174
 Description: LOT & MOBILE HOME
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner
 RICHARDSON PHYLLIS
 174 FROSTY HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation


Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/1/2005	\$5,800	Arms-Length Transaction	207-490	RICHARDSON PHYLLIS	VIRGIL BUSTLE



Information



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PVA
 Kathy Robinson
 606-256-4194

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Parcel Number 073SW-00-014.02
 HUNT CARLTON
 P O BOX 3190
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-014.02
 Account Number: 2617
 Location Address: FROSTY HOLLOW RD 0
 Description: 1 ACRE
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner


Primary Owner
 HUNT CARLTON
 P O BOX 3190
 MT VERNON, KY 40456

Land Characteristics


Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/1/2006	\$1,000	Arms-Length Transaction	209-650	HUNT CARLTON	RENNER MACK & JIMMIE LOU
3/1/2006	\$1,000	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
3/1/2006	\$1,000	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
2/1/1988	\$0	-	-	RENNER MACK & JIMMIE LOU	STEVE MILBURN
2/1/1988	\$0	-	-	STEVE MILBURN	STEVE MILBURN



Information



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Parcel Number 073SW-00-014.01

HUNT CARLTON

P O BOX 3190

MT VERNON, KY 40456

Rockcastle County, KY PVA

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-014.01
Account Number: 2617
Location Address: FROSTY HLW RD 230
Description: LOT
(Note: Not to be used on legal documents)
Class: Residential
Tax District: 00.00
Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner: [HUNT CARLTON](#)
P O BOX 3190
MT VERNON, KY 40456


Land Characteristics

Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/1/2006	\$2,000	Arms-Length Transaction	209-650	HUNT CARLTON	RENNER MACK & JIMMIE LOU
3/1/2006	\$2,000	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
3/1/2006	\$2,000	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
1/1/2000	\$0	-	-	RENNER MACK & JIMMIE LOU	TOM RENNER
1/1/2000	\$0	-	-	TOM RENNER	TOM RENNER

Information



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Parcel Number 074-00-032.01

HUNT CARLTON

P O BOX 3190

MT VERNON, KY 40456

Rockcastle County, KY PVA


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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-032.01
Account Number: 2617
Location Address: FROSTY HOLLOW RD 230
Description: 8 ACRES & HOUSE
(Note: Not to be used on legal documents)
Class: Residential
Tax District: 00.00
Rate Per Thousand: 8,278.0000

[View Map](#)



Owner

Primary Owner: [HUNT CARLTON](#)
P O BOX 3190
MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/1/2006	\$79,500	Arms-Length Transaction	209-650	HUNT CARLTON	RENNER MACK & JIMMIE LOU
3/1/2006	\$79,500	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
3/1/2006	\$79,500	Arms-Length Transaction	-	RENNER MACK & JIMMIE LOU	RENNER MACK & JIMMIE LOU
11/1/1978	\$0	-	-	RENNER MACK & JIMMIE LOU	ERNEST CROMER
11/1/1978	\$0	-	-	ERNEST CROMER	ERNEST CROMER

Information



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Parcel Number 073SW-00-016.01
 LAWS DAVID & REGINA
 315 FROSTY HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-016.01
 Account Number: 1747
 Location Address: FROSTY HOLLOW RD 315
 Description: HOUSE & LOT
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00.00
 Rate Per Thousand: 8.278.0000

[View Map](#)

Owner

Primary Owner:
 LAWS DAVID & REGINA
 215 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/1/2014	\$92,000	Construction/Destruction	249-509	LAWS DAVID & REGINA	COLLINS DARRELL & CLOIA G
10/1/2014	\$92,000	Construction/Destruction	--	COLLINS DARRELL & CLOIA G	COLLINS DARRELL & CLOIA G
10/1/2014	\$92,000	Construction/Destruction	--	COLLINS DARRELL & CLOIA G	COLLINS DARRELL & CLOIA G
3/1/1999	\$1,000	Partial Sales	--	COLLINS DARRELL & CLOIA G	CLYDE & MAGDALENE
3/1/1999	\$1,000	Partial Sales	--	CLYDE & MAGDALENE	CLYDE & MAGDALENE

Information



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Parcel Number 073SW-00-015.01
 CROMER THOMAS LEE
 385 FROSTY HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-015.01
 Account Number: 4593
 Location Address: FROSTY HOLLOW RD 385
 Description: LOT & MH
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00.00
 Rate Per Thousand: 8.278.0000

[View Map](#)

Owner

Primary Owner:
 CROMER THOMAS LEE
 385 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/1/2013	\$1,500	Partial Sales	245-505	ESTILL & BETTY CROMER	ESTILL & BETTY CROMER
10/1/2013	\$1,500	Partial Sales	--	CROMER THOMAS LEE	ESTILL & BETTY CROMER

Information



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Parcel Number 074-00-030
 BULLOCK LARRY & DONNA
 639 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-030
 Account Number: 8625
 Location Address: FROSTY HOLLOW ROAD 603
 Description: HOUSE & 17 ACRES
 (Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner:
 BULLOCK LARRY & DONNA
 639 FROSTY HOLLOW ROAD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
10/28/2016	\$36,000	Partial Sales	258-134	BULLOCK LARRY & DONNA	GATLIFF DOROTHY HEIRS
	\$0		91-115	GATLIFF DOROTHY HEIRS	GATLIFF DJR FRFT

Information



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Parcel Number 074-00-028
 BUSTLE VIRGIL HEIRS
 C/O DONNA BULLOCK
 639 FROSTY HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-028
 Account Number: 12397
 Location Address: FROSTY HOLLOW RD 750
 Description: 24.5 ACRES & HOUSES
 (Note: Not to be used on legal documents)
 Class: Farm
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner:
 BUSTLE VIRGIL HEIRS
 C/O DONNA BULLOCK
 639 FROSTY HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
3/22/2023	\$0	Close Relative Sale	090-089	BUSTLE VIRGIL HEIRS	BUSTLE VIRGIL
4/4/1970	\$0		90-89	BUSTLE VIRGIL	PAYNE ROBERT LEE et ux

Information



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Parcel Number 074-00-023.03
 COLLINS CLYDE RAYMOND &
 MAGDALENE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 074-00-023.03
 Account Number 4768
 Location Address FROSTY HOLLOW RD 0
 Description 2 ACRES
 (Note: Not to be used on legal documents)
 Class Residential
 Tax District 00-00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS CLYDE RAYMOND &
 MAGDALENE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
2/1/2006	\$2,500	Partial Sales	210-215	COLLINS CLYDE RAYMOND & DONNIE & CAROLYN COLLINS	DONNIE & CAROLYN COLLINS
2/1/2006	\$2,500	Partial Sales	-	DONNIE & CAROLYN COLLINS	DONNIE & CAROLYN COLLINS
2/1/2006	\$2,500	Partial Sales	-	DONNIE & CAROLYN COLLINS	DONNIE & CAROLYN COLLINS

Information



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Parcel ID - 074-00-023
 POYNTER DAVID & YOLANDA
 6254 S WILDERNESS RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 074-00-023 & ETC
 Account Number 9508
 Location Address S WILDERNESS RD 6254
 Description HOUSE 6.254 ACRES
 (Note: Not to be used on legal documents)
 Class Farm
 Tax District 00-00
 Rate Per Thousand 8,278.0000

Map Not Available

Owner

Primary Owner
[POYNTER DAVID & YOLANDA](#)
 6254 S WILDERNESS RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
7/1/2012	\$143,000	Multiple Parcels	240-270	POYNTER DAVID & YOLANDA	GOFORTH SCOTT
7/1/2006	\$0	Partial Sales	211-639	GOFORTH SCOTT	JAMES D GOFORTH

Information



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Announcements

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Parcel Number 073SW-00-037
 COLLINS DONNIE & CAROLYN
 324 CARDINAL HOLLOW RD
 MT VERNON, KY 40456

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Elizabeth Williams Search search

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 073SW-00-037
 Account Number: 5800
 Location Address: CARDINAL HOLLOW RD 324
 Description: HOUSE & LOT & 1 ACRE
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS DONNIE & CAROLYN
 324 CARDINAL HOLLOW RD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
11/1/2000	\$900	Sliding Scale	182-215	COLLINS DONNIE & CAROLYN	GASTON SHIRLEY MARIE
11/1/2000	\$900	Sliding Scale	-	GASTON SHIRLEY MARIE	GASTON SHIRLEY MARIE
11/1/2000	\$900	Sliding Scale	-	GASTON SHIRLEY MARIE	GASTON SHIRLEY MARIE
9/1/1996	\$10,000	Close Relative Sale	-	GASTON SHIRLEY MARIE	PREWITT JUSTIN & A
9/1/1996	\$10,000	Close Relative Sale	-	PREWITT JUSTIN & A	PREWITT JUSTIN & A
11/1/1999	\$10,000	Other	-	EBB BEN & WILLA AL	EBB BEN & WILLA AL
11/1/1993	\$10,000	Other	-	PREWITT JUSTIN & A	EBB BEN & WILLA AL

Information



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Parcel Number 074-00-002.01
 ROTH STEPHEN E & KIM D
 241 CARDINAL HOLLOW ROAD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-002.01
 Account Number: 4757
 Location Address: CARDINAL HOLLOW RD 241
 Description: HOUSE & 2.73 ACRES
(Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 8,278.0000

[View Map](#)

Owner

Primary Owner
 ROTH STEPHEN E & KIM D
 241 CARDINAL HOLLOW ROAD
 MT VERNON, KY 40456

Land Characteristics


Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
11/2/2020	\$225,500	Arms-Length Transaction	275-107	ROTH STEPHEN E & KIM D	WEAVER MITCHELL
7/12/2019	\$193,000	Arms-Length Transaction	269-480	WEAVER MITCHELL	COLLINS MICHAEL
7/1/2005	\$30,000	Expansion Sale	206-185	COLLINS MICHAEL	HENSLEY EDNA JOLEEN
1/1/1997	\$38,000	Close Relative Sale	-	HENSLEY EDNA JOLEEN	HENSLEY CHARLIE &
6/1/1995	\$20,000	Arms-Length Transaction	-	HENSLEY CHARLIE &	MOORE MAYBELLE G

Information



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Parcel Number 074-00-001
 OAKES KENNETH JR & DORINDA L
 234 CARDINAL HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-001
 Account Number: 9290
 Location Address: CARDINAL HOLLOW 234
 Description: 2 ACRES & MOBILE HOME
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 0.278 0000

[View Map](#)

Owner

Primary Owner:
 OAKES KENNETH JR & DORINDA L
 234 CARDINAL HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
4/1/2008	\$31,000	Arms-Length Transaction	221-418	OAKES KENNETH JR & DORINDA L	COLLINS DONALD & CAROLYN
4/1/2008	\$31,000	Arms-Length Transaction		COLLINS DONALD & CAROLYN	COLLINS DONALD & CAROLYN
2/1/1987	\$0			COLLINS DONALD & CAROLYN	RATHEL COLLINS



Information

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Parcel Number 074-00-002.03
 ALLEN HAYES & TERRY GOFF
 230 CARDINAL HOLLOW RD
 MT VERNON, KY 40456

qPubli Elizabeth Bentz Williams (ewilliams@clarkquinnlaw.com) is signed in Elizabeth Williams Search

Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number: 074-00-002.03
 Account Number: 4100
 Location Address: CARDINAL HOLLOW 230
 Description: LOT & MOBILE HOME
 (Note: Not to be used on legal documents)
 Class: Residential
 Tax District: 00 00
 Rate Per Thousand: 0.278 0000

[View Map](#)

Owner

Primary Owner:
 ALLEN HAYES & TERRY GOFF
 230 CARDINAL HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
6/1/1994	\$0		154-439	ALLEN HAYES & TERRY GOFF	allen ebb



Information

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Parcel Number 073SW-00-032.03
 COLLINS ADAM G
 170 CARDINAL HOLLOW RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-032.03
 Account Number 4731
 Location Address CARDINAL HOLLOW RD 170
 Description 3 ACRES
(Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 00
 Rate Per Thousand 8,278.0000

[View Map](#)

Owner

Primary Owner
 COLLINS ADAM G
 170 CARDINAL HOLLOW RD
 MT VERNON, KY 40456


Land Characteristics

Valuation

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
7/1/2005	\$7,500	Arms-Length Transaction	206-272	COLLINS ADAM G	WARF PAULINE
6/1/1987	\$0			WARF PAULINE	GEORGE COLLINS

Information



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Parcel Number 073SW-00-031 ETC
 COLLINS PATRICIA A & CLIFFORD
 REVOCABLE TRUST
 5216 S WILDERNESS RD
 MT VERNON, KY 40456

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Layers Map Search Results **Report** Sales Search Sales List Sales Results Tax Estimator

Summary

Parcel Number 073SW-00-031 ETC
 Account Number 4754
 Location Address S WILDERNESS RD 5216
 Description HOUSE & 8.5 ACRES
(Note: Not to be used on legal documents)
 Class Residential
 Tax District 00 00
 Rate Per Thousand 8,278.0000

Map Not Available

Owner

Primary Owner
[COLLINS PATRICIA A & CLIFFORD](#)
 REVOCABLE TRUST
 5216 S WILDERNESS RD
 MT VERNON, KY 40456

Land Characteristics

Valuation

Improvement Information

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
11/1/2008	\$0		224-370	COLLINS PATRICIA A & CLIFFORD	COLLINS CLIFFORD & PATRICIA

Information



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Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

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Indianapolis, IN 46204
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(317) 687-2344 fax

November 17, 2023

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Mt Vernon East**

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"). The proposed facility will include a 300-foot tall antenna tower, plus a 4-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Applicant's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us at 317-637-1321 if you have any comments or questions about this proposal.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'RLB'.

Attorney for Applicant
RLB/mnw
enclosure



Aerial Location Map



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ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1623 2614 62

COLLINS CLYDE R & MAGDALINE
317 FROSTY HOLLOW RD
MT VERNON, KY 40456

FIRST-CLASS



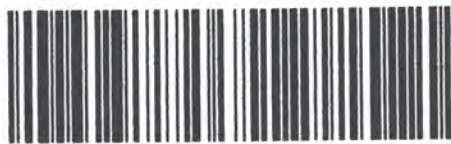
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COLLINS CLYDE R
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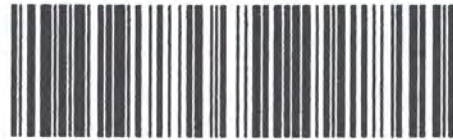
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RICHARDSON PHYLLIS
174 FROSTY HOLLOW RD
MT VERNON, KY 40456

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HUNT CARLTON
P O BOX 3190
MT VERNON, KY 40456

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9589 0710 5270 1623 2615 30

LAWS DAVID & REGINA
315 FROSTY HOLLOW RD
MT VERNON, KY 40456

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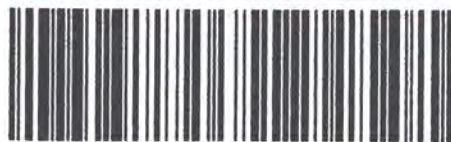
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CROMER THOMAS LEE
385 FROSTY HOLLOW RD
MT VERNON, KY 40456

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BULLOCK LARRY & DONNA
639 FROSTY HOLLOW ROAD
MT VERNON, KY 40456

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BUSTLE VIRGIL HEIRS
C/O DONNA BULLOCK
639 FROSTY HOLLOW RD
MT VERNON, KY 40456

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9589 0710 5270 1623 2615 78

COLLINS CLYDE RAYMOND &
MAGDALENE
317 FROSTY HOLLOW RD
MT VERNON, KY 40456

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POYNTER DAVID & YOLANDA
6254 S WILDERNESS RD
MT VERNON, KY 40456

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9589 0710 5270 1623 2615 92

COLLINS DONNIE & CAROLYN
324 CARDINAL HOLLOW RD
MT VERNON, KY 40456

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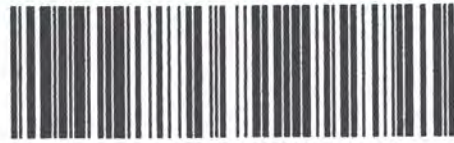
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Clark, Quinn, Moses, Scott & Grahn, LLP

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9589 0710 5270 1623 2616 08

ROTH STEPHEN E & KIM D
241 CARDINAL HOLLOW ROAD
MT VERNON, KY 40456

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OAKES KENNETH JR & DORINDA L
234 CARDINAL HOLLOW RD
MT VERNON, KY 40456

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ALLEN HAYES & TERRY GOFF
230 CARDINAL HOLLOW RD
MT VERNON, KY 40456

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COLLINS ADAM G
170 CARDINAL HOLLOW RD
MT VERNON, KY 40456

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COLLINS PATRICIA A & CLIFFORD
REVOCABLE TRUST
5216 S WILDERNESS RD
MT VERNON, KY 40456

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

LUNSFORD RHONDA K
321 FROSTY HOLLOW RD
MT VERNON, KY 40456



9590 9402 8463 3186 7621 43

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2614 79

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Magdalene Collins* Agent Address

B. Received by (Printed Name) *Magdalene Collins* C. Date of Delivery *11-24-23*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Collect on Delivery Restricted Delivery	
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Mail Restricted Delivery (00)	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COLLINS CLYDE R & MAGDALINE
317 FROSTY HOLLOW RD
MT VERNON, KY 40456



9590 9402 8463 3186 7621 50

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2614 62

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Magdalene Collins* Agent Address

B. Received by (Printed Name) *Magdalene Collins* C. Date of Delivery *11-24-23*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Collect on Delivery Restricted Delivery	
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Mail Restricted Delivery (00)	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COLLINS CLYDE R
317 FROSTY HOLLOW RD
MT VERNON, KY 40456



9590 9402 8463 3186 7621 36

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2614 86

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Magdalene Collins* Agent Address

B. Received by (Printed Name) *Magdalene Collins* C. Date of Delivery *11-24-23*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery
<input type="checkbox"/> Collect on Delivery Restricted Delivery	
<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Mail Restricted Delivery (00)	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
**COLLINS CLYDE RAYMOND &
 MAGDALENE
 317 FROSTY HOLLOW RD
 MT VERNON, KY 40456**



9590 9402 8463 3186 7620 44

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2615 78

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Magdalene Collins* Agent
 Addressee

B. Received by (Printed Name)
Magdalene Collins

C. Date of Delivery
7/24/23

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery
 - Priority Mail Express®

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
**COLLINS PATRICIA A & CLIFFORD
 REVOCABLE TRUST
 5216 S WILDERNESS RD
 MT VERNON, KY 40456**



9590 9402 8463 3186 7619 79

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2616 46

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Patricia Collins* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery
 - Priority Mail Express®

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
**POYNTER DAVID & YOLANDA
 6254 S WILDERNESS RD
 MT VERNON, KY 40456**



9590 9402 8463 3186 7620 37

2. Article Number (Transfer from service label)
9589 0710 5270 1623 2615 85

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 X *Yolanda* Agent
 Addressee

B. Received by

C. Date of Delivery


D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
- Adult Signature
 - Adult Signature Restricted Delivery
 - Certified Mail®
 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery
 - Priority Mail Express®

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>ROTH STEPHEN E & KIM D 241 CARDINAL HOLLOW ROAD MT VERNON, KY 40456</p>  <p>9590 9402 8463 3186 7620 13</p>	<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1623 2616 08</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation® <input type="checkbox"/> Signature Confirmation Restricted Delivery 		
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>COLLINS DONNIE & CAROLYN 324 CARDINAL HOLLOW RD MT VERNON, KY 40456</p>  <p>9590 9402 8463 3186 7620 20</p>	<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1623 2615 92</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation® <input type="checkbox"/> Signature Confirmation Restricted Delivery 		
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to:</p> <p>COLLINS A & M G 170 CARDINAL HOLLOW RD MT VERNON, KY 40456</p>  <p>9590 9402 8463 3186 7619 86</p>	<p>B. Received by (Printed Name)</p>	<p>C. Date of Delivery</p>
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 1623 2616 39</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type</p> <ul style="list-style-type: none"> <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery 		
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt</p>		

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- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BULLOCK LARRY & DONNA
639 FROSTY HOLLOW ROAD
MT VERNON, KY 40456



9590 9402 8463 3186 7620 68

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2615 54

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Donna Bullock* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (0)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BUSTLE VIRGIL HEIRS
C/O DONNA BULLOCK
639 FROSTY HOLLOW RD
MT VERNON, KY 40456



9590 9402 8463 3186 7620 51

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2615 61

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COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Donna Bullock* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (0)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

OAKES KENNETH JR & DORINDA L
234 CARDINAL HOLLOW RD
MT VERNON, KY 40456



9590 9402 8463 3186 7620 06

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2616 15

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Donna Bullock* Agent
 Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (0)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MARION ALEX & MELISSA
 2744 JOHNSON RD
 LONDON, KY 40741



9590 9402 8463 3186 7621 12

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2615 09

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X Agent Addressee

B. Received by (Printed Name) **C. Date of Delivery**

D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation®
- Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COLLINS KENNETH B & TAWANA
PO BOX 1907
MT VERNON, MT 59045



9590 9402 8463 3186 7621 29

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2614 93

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *K. Collins*

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No



3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery
- All Restricted Delivery



Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

December 11, 2023

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Mt Vernon East**

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"). The proposed facility will include a 300-foot tall antenna tower, plus a 4-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Applicant's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us at 317-637-1321 if you have any comments or questions about this proposal.

Sincerely,
Russell L. Brown

A handwritten signature in black ink, appearing to read 'RLB'.

Attorney for Applicant
RLB/mnw
enclosure



Aerial Location Map



CERTIFIED MAIL

ClarkQuinn
Clark, Quinn, Moses, Scott & Grahn, LLP



9589 0710 5270 1623 2608 54

RICHARDSON PHYLLIS
174 FROSTY HOLLOW RD
MT VERNON, KY 40456

FIRST-CLASS



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02 7H
0006035028 DEC 11 2023

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CROMER THOMAS LEE
385 FROSTY HOLLOW RD
MT VERNON, KY 40456

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ALLEN HAYES & TERRY GOFF
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MT VERNON, KY 40456

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1. Article Addressed to:

CROMER THOMAS LEE
 385 FROSTY HOLLOW RD
 MT VERNON, KY 40456



9590 9402 8463 3186 7623 27

2. Article Number (Transfer from service label)

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PS Form 3811, July 2020 PSN 7530-02-000-9053

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 - Certified Mail Restricted Delivery
 - Collect on Delivery
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 - Insured Mail
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 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

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1. Article Addressed to:

RICHARDSON, HYLIS
 174 FROSTY HOLLOW RD
 MT VERNON, KY 40456



9590 9402 8463 3186 7623 10

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2608 54

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
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3. Service Type
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 - Adult Signature Restricted Delivery
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 - Certified Mail Restricted Delivery
 - Collect on Delivery
 - Collect on Delivery Restricted Delivery
 - Insured Mail
 - Mail Restricted Delivery (00)
 - Priority Mail Express®
 - Registered Mail™
 - Registered Mail Restricted Delivery
 - Signature Confirmation™
 - Signature Confirmation Restricted Delivery

Domestic Return Receipt

Tracking Number:

Remove X

9589071052701623260830

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Feedback

Moving Through Network In Transit to Next Facility

January 1, 2024

Arrived at USPS Regional Facility

LOUISVILLE KY DISTRIBUTION CENTER
December 26, 2023, 11:49 am

See All Tracking History

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Enter tracking or barcode numbers

Need More Help?

Contact USPS Tracking support for further assistance.

[FAQs](#)



ClarkQuinn

www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

November 17, 2023

Via Certified Mail, Return Receipt Requested

Hon. Howell Holbrook Jr.
Rockcastle County Judge/Executive
PO Box 755
205 East Main Street
Mount Vernon, KY 40456

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2023-00368
Site Name: Mount Vernon East


Dear Judge Holbrook:

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"). The proposed facility will include a 300-foot tall antenna tower, plus a 4-foot lightning arrester and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown



Attorney for Applicant



Aerial Location Map



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Hon. Howell Holbrook Jr.
Rockcastle County Judge/Executive
PO Box 755
205 East Main Street
Mount Vernon, KY 40456

Tracking Number:

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Get More Out of USPS Tracking:

USPS Tracking Plus®

Feedback

Delivered

Out for Delivery

Preparing for Delivery

Moving Through Network

In Transit to Next Facility

November 24, 2023

Arrived at USPS Regional Facility

LEXINGTON KY DISTRIBUTION CENTER

November 20, 2023, 9:44 am

[See All Tracking History](#)

[What Do USPS Tracking Statuses Mean? \(https://faq.usps.com/s/article/Where-is-my-package\)](https://faq.usps.com/s/article/Where-is-my-package)

Text & Email Updates



USPS Tracking Plus®



Product Information



See Less ^

Track Another Package

Need More Help?

Contact USPS Tracking support for further assistance.

FAQs



ClarkQuinn

www.clarkquinnlaw.com

Russell L. Brown
Attorney at Law
rbrown@clarkquinnlaw.com

320 N. Meridian St., Ste. 1100
Indianapolis, IN 46204
(317) 637-1321 main
(317) 687-2344 fax

December 11, 2023

Via Certified Mail, Return Receipt Requested
9589 0710 5270 1623 2608 61

Hon. Howell Holbrook Jr.
Rockcastle County Judge/Executive
PO Box 755
205 East Main Street
Mount Vernon, KY 40456

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2023-00368
Site Name: Mount Vernon East

Dear Judge Holbrook:

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC is filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"). The proposed facility will include a 300-foot tall antenna tower, plus a 4-foot lightning arrestor and related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely,
Russell L. Brown

Attorney for Applicant

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return this card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Hon. Howell Holbrook Jr.
Rockcastle County Judge/Executive
PO Box 755
205 East Main Street
Mount Vernon, KY 40456



9590 9402 8463 3186 7624 71

2. Article Number (Transfer from service label)

9589 0710 5270 1623 2608 61

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Howell Holbrook Jr.*

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No



3. Service Type

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- Certified Mail Restricted Delivery
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- Collect on Delivery Restricted Delivery
- Insured Mail
- Mail Restricted Delivery (00)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

SITE NAME: MT. VERNON EAST NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word "**tower**," which is at least four (4) inches in height.

TowerCo and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahm, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in your correspondence.

TowerCo and Cellco Partnership, d/b/a Verizon Wireless proposes to construct a telecommunications **tower** on this site. If you have questions, please contact Clark, Quinn, Moses, Scott & Grahm, LLP, 320 N. Meridian Street, Indianapolis, IN 46204; 317-637-1321, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in your correspondence.



Robert B. Scott
Charles R. Grahn
Frank D. Otte*
John "Bart" Herriman
William W. Gooden**
Michael P. Maxwell
Russell L. Brown**†
Jennifer F. Perry
Keith L. Beall
N. Davey Neal
Travis W. Cohron
Maggie L. Sadler
Kristin A. McIlwain
Olivia A. Hess

VIA EMAIL: mvsignal@windstream.net

Mt Vernon Signal
115 W. Main Street,
Mt Vernon, KY 40456

Land Use Consultant
Elizabeth Bentz Williams, AICP

RE: Legal Notice Advertisement
Site Name: Mt. Vernon

*Also admitted in Montana
†Also admitted in Kentucky
**
Registered Civil Mediator

To Whom It May Concern,

Please publish the following legal notice advertisement in the next available edition of the Mt Vernon Signal Publication:

NOTICE

Cellco Partnership, d/b/a Verizon Wireless and TAG Towers, LLC are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 321 Frosty Hollow Road, Mt. Vernon, KY 40456, (North Latitude: (37° 19' 32.58, West Longitude 84° 15' 28.77"). The proposed facility will include a 300-foot tall antenna tower, plus a 4-foot lightning arrestor and related ground facilities. You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2023-00368 in any correspondence sent in connection with this matter.

After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Clark, Quinn, Moses, Scott & Grahn, LLC, 320 N. Meridian Street, Indianapolis, IN 46204 or by email to ebw@clarkquinnlaw.com. Please call me on my cell with any questions at 317-902-2187 if you have any questions. Thank you for your assistance.

Sincerely,

A handwritten signature in cursive script that reads 'Elizabeth Bentz Williams'.

Elizabeth Bentz Williams, AICP

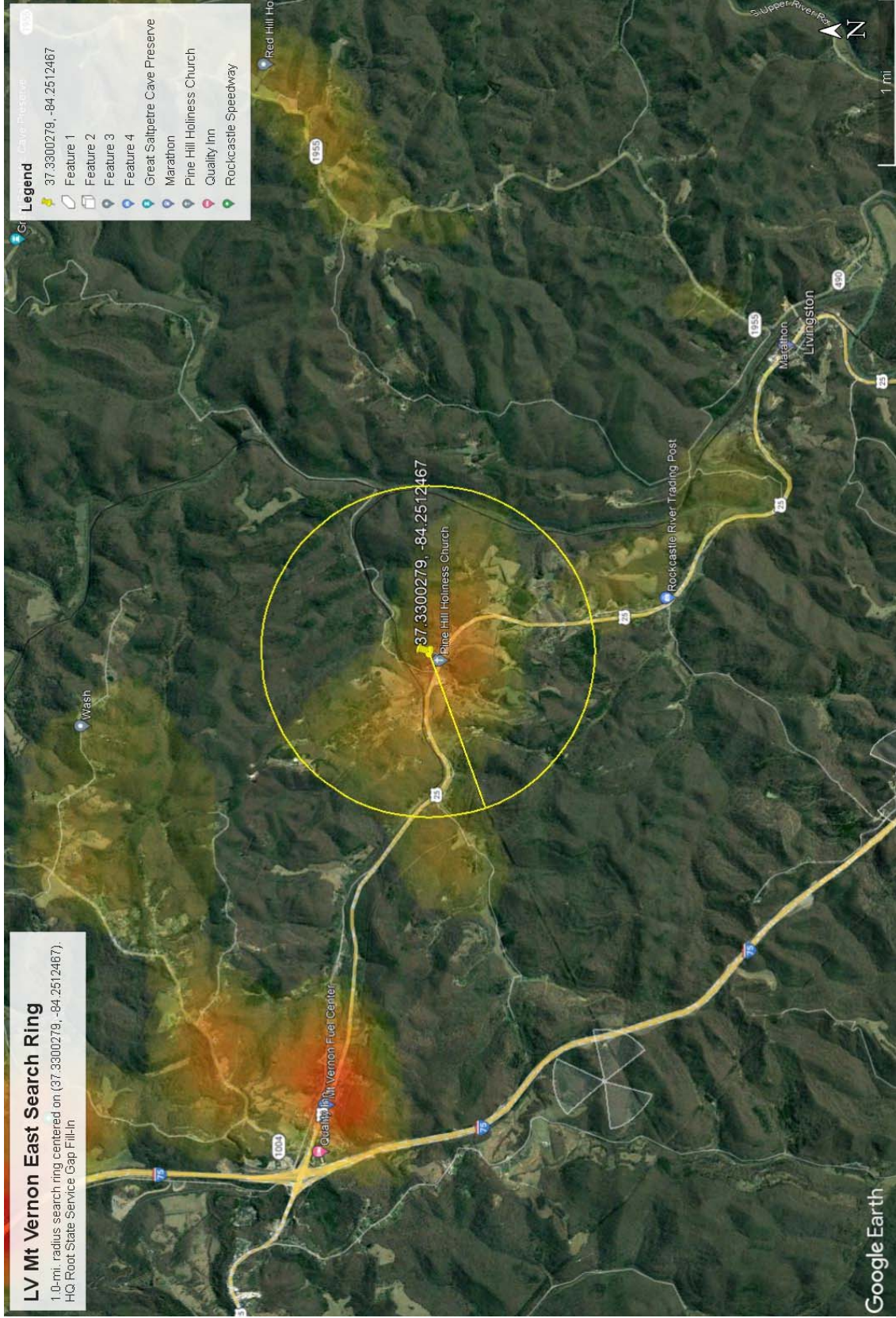


Figure 1: Search ring.



Monday, October 30th, 2023

RE: Proposed Verizon Wireless Communications Facility

Site Name: **LV MT VERNON EAST.**

Type of Tower: *300' Self-support (Lattice) Tower.*

Location: 321 Frosty Hollow Road, Mt. Vernon, KY. 40456.

To Whom It May Concern:

As the manager of radio frequency engineering for Verizon Wireless, I am providing this letter to state the need for a Verizon Wireless site called **LV MT VERNON EAST** based on the analysis completed by my team.

The **LV MT VERNON EAST** site is proposed with the below objectives:

1. Offload 4G/5G traffic from busy sites.
2. Improve 4G/5G throughput to existing heavy data users.
3. Improve 4G/5G network reliability.

Currently the area is experiencing high demand for wireless high-speed data. Growth forecasts have triggered the need for an additional site in the area. The tower is needed to provide all Verizon customers in the area with the best experience on their 5G/4G wireless devices.

Raw Land — Design plans for a new **tower** would provide a height of **300'**. The new structure height was decided upon to best cover the offload area and interact with the existing Verizon sites. If we are limited to a structure less than the proposed height, another tower would be needed in the vicinity in the near future. In addition, building a structure that is too short can cause existing taller sites to shoot over the proposed site and building a site that is too tall can cause the proposed site to shoot over existing sites. Both situations create a poor experience from a user perspective. The new structure will be placed near the center of the area with high traffic demand and offload the surrounding sites greatly. The new tower design meets stated objectives.

Verizon Wireless cares about the communities as well as the environment and prefers to collocate on existing structures when available. It can be noticed from any map that Verizon Wireless is currently collocated on many existing structures in the area. We prefer collocation due to reduced construction costs, faster deployment, and environment protection. However, Verizon Wireless was **unable to find a suitable structure within 2 miles** of the center of demand area to collocate the proposed **LV MT VERNON EAST** site.



Verizon Wireless design engineers establish search area criteria in order to effectively meet coverage objectives as well as offload existing Verizon cell sites. When met, the criterion also reduces the need for a new site to cover the area in the immediate future. Each cellular site covers a limited area, depending on site configuration and the surrounding terrain. Cell sites are built in an interconnected network; which means each cell site must be located so that their respective coverage areas are contiguous. This provides uninterrupted communications throughout the coverage area.

Since collocation is generally the most cost-effective means for prompt deployment of new facilities, Verizon Wireless makes every effort to investigate the feasibility for using existing towers or other tall structures for collocation when designing a new site or system expansion. However, collocation on an existing tower or tall structure is not always feasible due to location of existing cell sites. Cell sites are placed in a way so they provide smooth hand off to each other and are placed at some distance from each other to eliminate too much overlap. Too much overlap may result in a waste of resources and raise a system capacity overload concern.

This cell site has been designed, and shall be constructed and operated in a manner that satisfies regulations and requirements of all applicable governmental agencies that have been charged with regulating tower specifications, operation, construction, and placement, including the FAA and FCC.

Sincerely,

A handwritten signature in black ink, appearing to read "Kerwin Masten".

Kerwin Masten
Sr RF Manager.



STATE OF INDIANA

COUNTY OF Hamilton

Subscribed and sworn to before me this 30th day of Oct., 2023.

Notary Public

Signature *Shilpa*

Printed SHILPA ARYA

County of Residence Hamilton

My Commission expires: 12-30-2028

SHILPA ARYA
NOTARY PUBLIC - SEAL
STATE OF INDIANA
COMMISSION NUMBER NP0730733
MY COMMISSION EXPIRES DEC. 30, 2028



Wednesday, October 25th, 2023.

RE: **LV MT VERNON EAST** Zoning Plots

Site Name: **LV MT VERNON EAST**

To Whom It May Concern:

This map is not a guarantee of coverage and may contain areas with no service. This map reflects a depiction of predicted and approximate wireless coverage of the network and is intended to provide a relative comparison of coverage. The depictions of coverage do not guarantee service availability as there are many factors that can influence coverage and service availability. These factors vary from location to location and change over time. The coverage areas may include locations with limited or no coverage. Even within a coverage area shown, there are many factors, including but not limited to, usage volumes, service, outage, and customer's equipment, and terrain, proximity to buildings, foliage, and weather that may impact service.

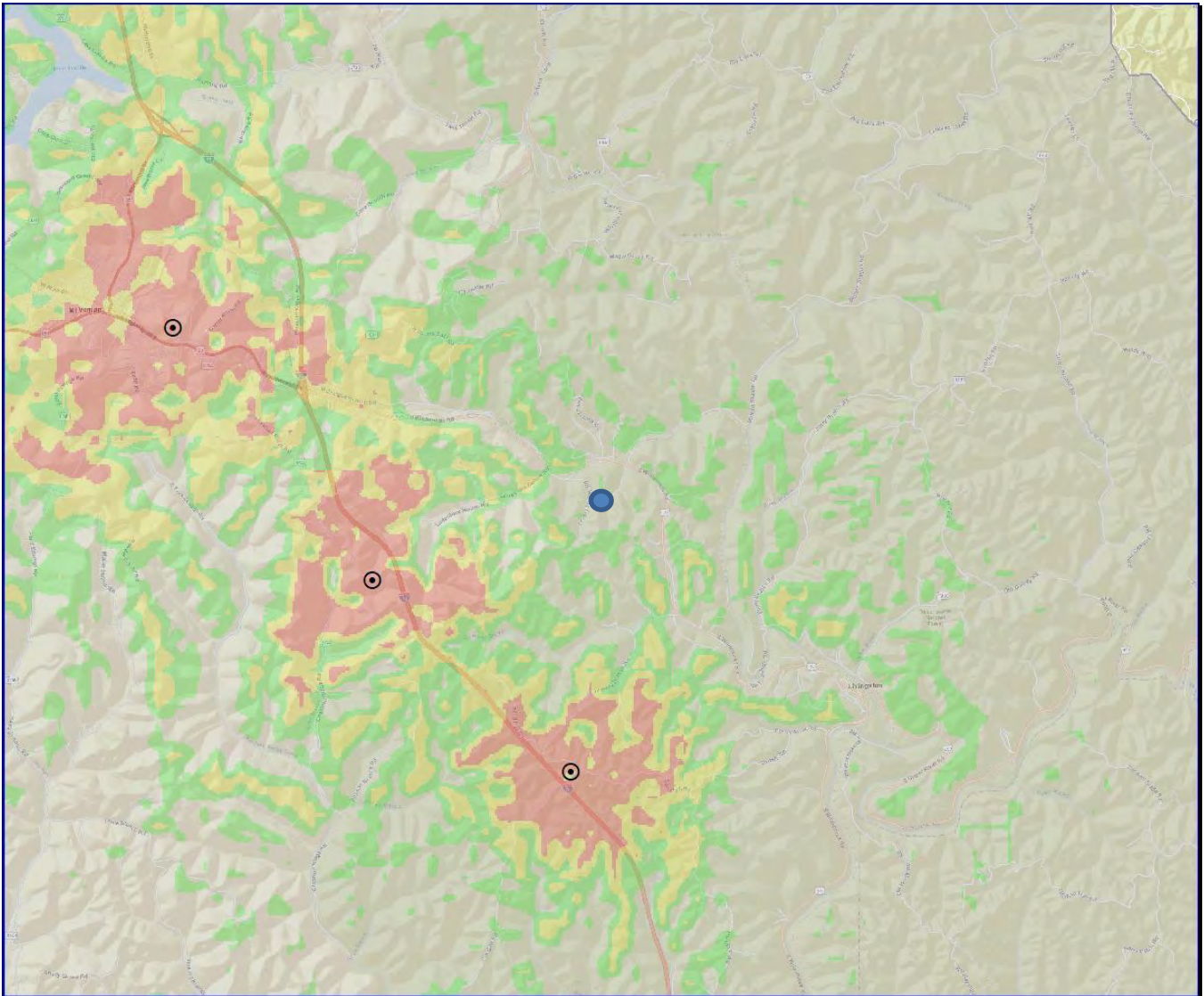
The proposed site is needed to offload capacity from existing sites. This map reflects the predicted coverage area that will be offloaded from existing sites and transferred to the proposed site.

A handwritten signature in black ink, appearing to read "Gordon Snyder". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Gordon Snyder

Sr. RF Engineer, Verizon Wireless

PRE: LV MT VERNON EAST



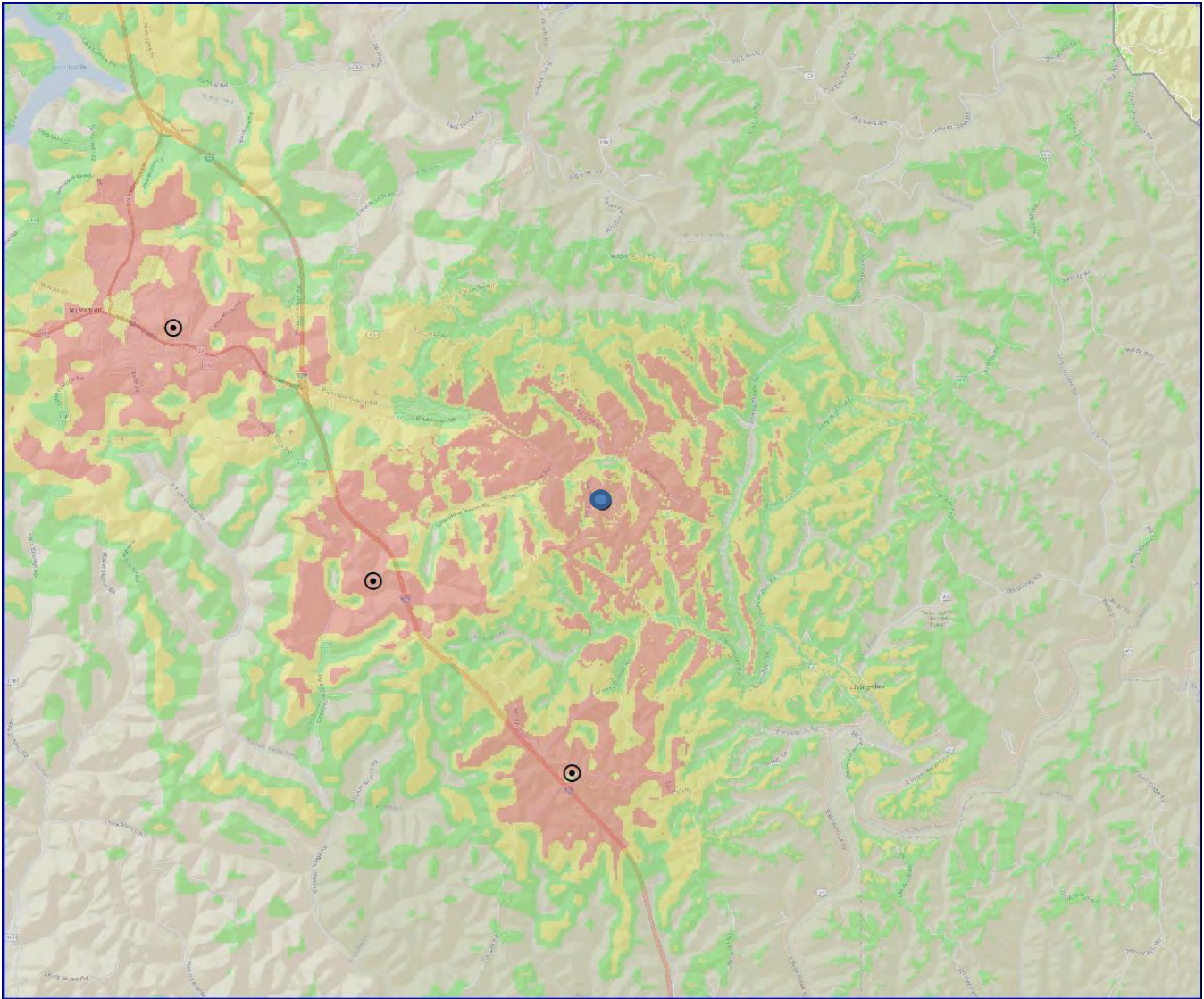
LTE RSRP Coverage

- Best
- Better
- Good

Legend:

- Existing Verizon Sites
- Proposed Verizon Site
- Future Verizon Site
- County Border

POST: LV MT VERNON EAST



LTE RSRP Coverage

- Best
- Better
- Good

Legend:

- Existing Verizon Sites
- Proposed Verizon Site
- Future Verizon Site
- County Border

Exhibit S
List of Qualified Professionals

Frank L. Sellinger
Professional Land Surveyor
Kentucky License 3282
FSTAN
1012 S. 4th Street, Suite 101
Louisville, KY 40203

Dmitriy V. Albul
Professional Engineer
Kentucky License 25093
Albul Enginneering
3840 E. Robinson Rd.
Amherst, NY 14223

Peter Lichomski
Professional Arhitect
Kentucky License 7530
LAB Architects
49030 Pontiac Trail, Suite 100
Wixom, Michigan 48393

Frederic Geoffrey Bost
Professional Engineer
Kentucky License 28817
Engineered Tower Solutions, PLLC
3227 Wellington Court
Raleigh, NC 27615

Allen Schneider
Professional Engineer
Kentucky License 37506
ROHN
1 Fairholm Avenue
Peoria, IL 61603

Larry Rhoads
Construction Manager
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Kerwin Masten
RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

Gordon Snyder
RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, KY 40299

