

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

In the Matter of:

THE APPLICATION OF)	
TOWERCOM VI-C, LLC, AND)	
KENTUCKY RSA NO. 1 PARTNERSHIP BY CELLCO)	
PARTNERSHIP D/B/A VERIZON WIRELESS)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)	CASE NO.: 2025-00190
CONVENIENCE AND NECESSITY TO CONSTRUCT)	
A WIRELESS COMMUNICATIONS FACILITY)	
IN THE COMMONWEALTH OF KENTUCKY)	
IN THE COUNTY OF MARSHALL)	

SITE NAME: EQUINE HOSPITAL

* * * * *

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

TowerCom VI-C, LLC, a Delaware limited liability company and Kentucky RSA No. 1 Partnership by Cellco Partnership d/b/a Verizon Wireless, its Managing Partner, (“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 submit 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 Verizon Wireless with wireless communications services.

In support of this Application, Applicants respectfully provides and states the following information:

1. The complete name and address of the Applicants are: TowerCom VI-C, LLC,

a Delaware limited liability company having an address of 241 Atlantic Blvd. Ste. 201, Neptune Beach, FL 32266 and Kentucky RSA No. 1 Partnership by Cellco Partnership d/b/a Verizon Wireless, its Managing Partner, having an address of 2421 Holloway Road, Louisville, Kentucky 40299.

2. 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 Applicants submit 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.

3. TowerCom VI-C, LLC is a limited liability company organized in the State of Delaware. TowerCom VI-C, LLC's Certificate of Good Standing issued by the State of Delaware is attached as part of **Exhibit A** and hereby incorporated by reference. TowerCom VI-C, LLC is in good standing in the state in which it is organized and further states that it is authorized to transact business in Kentucky, and a copy of the Certificate of Authorization issued by the Kentucky Secretary of State is attached as part of **Exhibit A** and is hereby incorporated by reference.

4. Cellco Partnership d/b/a Verizon Wireless, Kentucky RSA No. 1 Partnership's Managing Partner ("Verizon Wireless"), is a Delaware general partnership, and a copy of the Statement of Good Standing from Delaware and Certificate of Assumed Name on file with the Kentucky Secretary of State are included as part of **Exhibit A**. Verizon Wireless is in good standing in the state in which they are organized and further state that they are authorized to transact business in Kentucky.

5. Verizon Wireless operates on frequencies licensed by the Federal

Communications Commission (“FCC”) pursuant to applicable FCC requirements. A copy of Verizon Wireless’ FCC applications and licenses to provide wireless services are attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in accordance with applicable FCC regulations.

6. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve Verizon Wireless’ services to an area currently not served or not adequately served by Verizon Wireless by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in Verizon Wireless’ communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in Verizon Wireless’ network design that must be in place to provide adequate coverage to the service area.

7. To address the above-described service needs, Applicants propose to construct a WCF in a lease area located at 313 Cole Cemetery Road, Benton, KY 42025 (36° 49' 18.57" North latitude, 88° 24' 39.72" West longitude), 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 Neal S. Cole and Clara J. Cole, a married couple, and Joel T. Cole and Sharon R. Cole, a married couple, pursuant to a Deed recorded at Deed Book 477, Page 501 in the office of the County Clerk. The proposed WCF will consist of a 290-foot tower, with an approximately 10-foot lightning arrestor attached at the top, for a total height of 300-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of Verizon Wireless’

radio electronics equipment and appurtenant equipment. Verizon Wireless' 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 B** and **Exhibit C**.

8. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

9. 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 Verizon Wireless has also been included as part of **Exhibit B**.

10. 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 C**.

11. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have 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 Verizon Wireless' antennas on an existing structure. When suitable towers or structures exist, Verizon Wireless attempts to co-locate on existing structures such as communications towers or other structures capable of supporting Verizon Wireless' facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

12. A Determination of No Hazard to Air Navigation issued by the Federal

Aviation Administration ("FAA") for the proposed tower is attached as **Exhibit E**.

13. A copy of the approval documentation issued by the Kentucky Airport Zoning Commission ("KAZC") for the proposed construction is attached as **Exhibit F**.

14. A geotechnical engineering firm has performed soil boring(s) and subsequent geotechnical engineering studies at the WCF site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

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

16. TowerCom VI-C, LLC's predecessor-in-interest, TowerCom VI-B LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement along with a copy of the Memorandum of Assignment recorded with the County Clerk documenting TowerCom VI-B LLC's assignment of its interest to TowerCom VI-C are attached as **Exhibit I**.

17. 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 C** 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.

18. The Construction Manager for the proposed facility is Thaddeus Johnson and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

19. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

20. **Exhibit B** 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). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

21. Applicants have notified 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 has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

22. Copies of the Marshall County PVA records obtained on June 10, 2025 (and re-verified on the date of this filing) and used to generate the notice list are attached as part of **Exhibit J**.

23. Eleven notice letters were sent to the landowners on the notice list at the mailing

addresses shown on the County's PVA records. Copies of the "Certified Mail Receipts" confirming the dates on which the letters were sent are attached as part of **Exhibit J**.

24. Applicants will supplement the record once the United States Postal Service Form 3811 "green cards" are received or returned as undelivered for each landowner who was provided notice of the proposal.

25. 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. A copy of this notice is attached as **Exhibit L**. A copy of the "Certified Mail Receipt" is attached as a part of **Exhibit L**. Applicants will supplement the record once the United States Postal Service Form 3811 "green card" for that notice is received or returned as undelivered.

26. 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 M**. A legal notice advertisement regarding the location of the proposed facility was published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A tear sheet from the newspaper that includes the notice advertisement is attached as part of **Exhibit M**.

27. The general area where the proposed facility is to be located is rural in character and consists primarily of agricultural uses and sparse residential uses. The site

parcel is approximately 35.25 acres with no existing structures. Portions of the site parcel are heavily wooded.

28. The process that was used by Verizon Wireless' 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. Verizon Wireless' 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 Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless' Radio Frequency Engineers. 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 N**.

29. The tower must be located at the proposed location and proposed height to provide necessary service to wireless communications users in the subject area.

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

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

David A. Pike and

F. Keith Brown
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
kbrown@pikelegal.com

WHEREFORE, 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,



David A. Pike
And



F. Keith Brown
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Email: kbrown@pikelegal.com
Attorneys for Applicants

LIST OF EXHIBITS

- A - Business Entity Documentation & FCC License Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
 - List of Qualified Professionals
 - Tower and Foundation Drawings
- D - Competing Utilities, Corporations, or Persons List
- E - Federal Aviation Administration Documentation
- F - Kentucky Airport Zoning Commission Documentation
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing, PVA Records & Proof of Notice
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice & Proof of Notice
- M - Copy of Posted Notices, Newspaper Notice Advertisement Tear Sheet
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A

**BUSINESS ENTITY DOCUMENTATION
& FCC LICENSE DOCUMENTATION**

Delaware

The First State

Page 1

I, CHARUNI PATIBANDA-SANCHEZ, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "TOWERCOM VI-C, 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 TENTH DAY OF JUNE, A.D. 2025.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "TOWERCOM VI-C, LLC" WAS FORMED ON THE TWENTY-SEVENTH DAY OF JANUARY, A.D. 2025.

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



10078819 8300

SR# 20253026543

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

A handwritten signature in black ink, reading "C. P. Sanchez", written over a horizontal line.

Charuni Patibanda-Sanchez, Secretary of State

Authentication: 203909662

Date: 06-10-25

Commonwealth of Kentucky
Michael G. Adams, Secretary of State

Michael G. Adams
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 336337
Visit <https://web.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Michael G. Adams, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

TOWERCOM VI-C, LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on February 6, 2025.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 6th day of June, 2025, in the 234th year of the Commonwealth.



Michael G. Adams

Michael G. Adams
Secretary of State
Commonwealth of Kentucky
336337/1427859

Delaware

The First State

Page 1

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.



3341134 8300

SR# 20231665976

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

A handwritten signature of Jeffrey W. Bullock in black ink, written over a horizontal line.

Jeffrey W. Bullock, Secretary of State

Authentication: 203227418

Date: 04-27-23



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



0641227.07

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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)

- | | |
|--|---|
| <input type="checkbox"/> a Domestic General Partnership | <input checked="" type="checkbox"/> a Foreign General Partnership |
| <input type="checkbox"/> a Domestic Registered Limited Liability Partnership | <input type="checkbox"/> a Foreign Registered Limited Liability Partnership |
| <input type="checkbox"/> a Domestic Limited Partnership | <input type="checkbox"/> a Foreign Limited Partnership |
| <input type="checkbox"/> a Domestic Business Trust | <input type="checkbox"/> a Foreign Business Trust |
| <input type="checkbox"/> a Domestic Corporation | <input type="checkbox"/> a Foreign Corporation |
| <input type="checkbox"/> a Domestic Limited Liability Company | <input type="checkbox"/> a Foreign Limited Liability Company |
| <input type="checkbox"/> 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. Schepker-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

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

C227

0641227.07
Alison Lundergan Grimes
KY Secretary of State
Received and Filed
5/31/2016 1:54:34 PM
Fee receipt: \$20.00

Alison Lundergan Grimes
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

**Renewal Certificate of
Assumed Name**

REN

This certifies that the assumed name of

VERIZON WIRELESS

is hereby renewed by the general partnership listed above, organized and existing in the state of Delaware.

Signatures

Signature

Karen M. Shipman

Title

Assistatn Secretary

Date

5/31/2016 1:54:34 PM

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign KNKN871	File Number 0009611092
Radio Service CL - Cellular	
Market Numer CMA444	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 2 - Union				
Grant Date 08-31-2021	Effective Date 08-31-2021	Expiration Date 10-01-2031	Five Yr Build-Out Date	Print Date 08-31-2021

Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	37-30-51.2 N	087-30-18.0 W	139.9	91.4	1030659

Address: 2138 SR 1405
City: SLAUGHTERS **County:** WEBSTER **State:** KY **Construction Deadline:**

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)	104.300	99.100	103.400	105.700	89.600	78.600	86.500	103.800
Transmitting ERP (watts)	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000

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: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	37-16-53.0 N	087-29-17.0 W	176.8	90.8	1030654

Address: 1369 SAND CUT RD

City: Madisonville County: HOPKINS State: KY Construction Deadline:

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.200	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	208.970	190.560	12.020	1.000	0.500	0.500	0.630	30.910

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.500	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	0.500	0.540	19.950	190.560	208.940	20.420	1.070	0.500

Antenna: 7

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	127.800	138.700	133.500	133.500	121.500	113.200	123.000	142.100
Transmitting ERP (watts)	1.000	1.910	1.000	1.000	6.310	213.810	501.220	190.560

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	36-57-17.4 N	087-51-07.6 W	172.2	123.1	1030739

Address: (Hopson) RT 4 BOX 58 814999

City: Princeton County: CALDWELL State: KY Construction Deadline:

Antenna: 2

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	18.030	88.290	65.450	2.610	0.360	0.200	0.200	0.350

Antenna: 3

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	0.420	0.420	2.640	89.540	209.890	79.800	0.420	0.800

Antenna: 4

Maximum Transmitting ERP in Watts: 140.820

	0	45	90	135	180	225	270	315
Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	135.700	130.000	144.600	143.600	151.900	144.500	138.300	138.900
Transmitting ERP (watts)	55.210	1.870	1.030	0.840	1.150	19.590	283.140	381.940

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
5	37-19-00.3 N	088-04-34.3 W	237.4	90.5	1030656

Address: (Marion) 11 Brairwood Drive

City: Marion County: CRITTENDEN State: KY Construction Deadline:

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)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	271.010	402.110	56.170	1.380	1.090	1.090	1.090	16.570

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)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	1.090	1.090	54.770	411.390	270.910	18.590	1.090	1.090

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)	162.700	163.300	176.200	156.900	167.800	184.500	160.300	175.600
Transmitting ERP (watts)	2.710	0.550	0.550	0.550	2.110	63.550	191.830	63.550

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-19-19.5 N	087-30-03.8 W	144.5	99.1	1040639

Address: 54 W LAKE ST

City: Madisonville County: HOPKINS State: KY Construction Deadline:

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)	97.900	120.000	110.700	105.000	90.400	94.900	118.300	102.200
Transmitting ERP (watts)	91.200	87.100	85.110	85.110	89.130	87.100	89.130	89.130

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-39-38.0 N	087-55-11.5 W	153.6	121.9	1030655

Address: (Morganfield) 996 TP LUCKETTE RD

City: Morganfield County: UNION State: KY Construction Deadline:

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)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	355.170	248.530	31.970	1.840	0.810	0.810	2.870	89.690

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)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	0.890	27.540	263.030	389.050	97.720	5.890	0.810	0.810

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
9	37-39-38.0 N	087-55-11.5 W	153.6	121.9	1030655

Address: (Morganfield) 996 TP LUCKETTE RD

City: Morganfield County: UNION State: KY Construction Deadline:

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)	130.600	126.500	124.600	100.000	131.200	122.100	129.400	122.600
Transmitting ERP (watts)	0.680	0.680	0.680	2.630	61.490	217.250	146.520	15.150

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	37-02-00.0 N	088-22-10.0 W	105.5	106.7	1040303

Address: (Calvert City) 641 Jary Johnson Rd.

City: Calvert City County: MARSHALL State: KY Construction Deadline:

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	23.380	330.300	378.360	36.130	0.970	0.970	0.970	0.970

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	0.970	0.970	0.970	14.730	240.930	357.480	49.940	1.230

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	63.740	2.060	0.660	0.660	0.660	4.020	107.530	274.970

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-36-46.0 N	087-29-35.0 W	118.0	91.0	1034040

Address: EASTWOOD FERRY ROAD

City: SEBREE County: WEBSTER State: KY Construction Deadline: 02-23-2006

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)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	0.560	0.200	0.200	0.280	2.400	42.760	89.330	12.910

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	55.080	0.490	0.200	0.200	0.200	0.200	0.200	39.900

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-36-46.0 N	087-29-35.0 W	118.0	91.0	1034040

Address: EASTWOOD FERRY ROAD

City: SEBREE County: WEBSTER State: KY Construction Deadline: 02-23-2006

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	73.800	88.300	72.700	87.800	81.700	80.900	73.100	79.800
Transmitting ERP (watts)	0.200	0.200	0.200	5.380	97.950	4.910	0.210	0.200

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-46-54.2 N	088-03-28.1 W	199.0	126.5	1205551

Address: SR 80/US 68 & Trace

City: Golden Pond County: TRIGG 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)	165.000	178.000	160.000	175.000	171.000	167.000	177.000	184.000
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-14-55.1 N	088-20-42.2 W	175.8	108.8	1231318

Address: 738 Mitchell Road

City: Burna County: LIVINGSTON State: KY Construction Deadline: 02-23-2006

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)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	50.060	6.450	0.130	0.130	0.130	1.990	13.790	50.060

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	4.780	26.880	61.590	32.320	2.880	0.130	0.130	0.600

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	116.800	144.900	144.500	172.100	154.500	163.300	146.900	139.500
Transmitting ERP (watts)	0.130	0.130	0.130	2.750	15.470	52.420	46.720	5.120

Licensee Name: CELLCO PARTNERSHIP

Call Sign: KNKN871

File Number: 0009611092

Print Date: 08-31-2021

Control Points:

Control Pt. No. 2

Address: 500 West Dove Road

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

Waivers/Conditions:

NONE



Universal Licensing System

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ULS Application

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SERVICE SPECIFIC

File Number	0009611092	Radio Service	CL - Cellular
Call Sign	KNKN871	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	07/06/2021	Action Date	08/31/2021
Entered Date	07/06/2021	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	No	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question			

Market Data

Market	CMA444 - Kentucky 2 - Union	Channel Block	B (View Frequencies)
Submarket Designator	0	Phase	2

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE Network Engineering	P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
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Qualifications, Ownership

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: KENTUCKY RSA NO. 1 PARTNERSHIP

ATTN: LICENSING MANAGER
KENTUCKY RSA NO. 1 PARTNERSHIP
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Call Sign KNKQ306	File Number 0009611390
Radio Service CL - Cellular	
Market Numer CMA443	Channel Block B
Sub-Market Designator 0	

FCC Registration Number (FRN): 0001836709

Market Name Kentucky 1 - Fulton				
Grant Date 08-31-2021	Effective Date 08-31-2021	Expiration Date 10-01-2031	Five Yr Build-Out Date	Print Date 08-31-2021

Site Information:

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
1	36-20-59.2 N	089-22-12.3 W	98.0		

Address: 0.68 MILE SOUTH OF LASSITER CORNER & REEL FOOT LAKE
City: LASSITER CORNER **County:** LAKE **State:** TN **Construction Deadline:**

Antenna: 1

Maximum Transmitting ERP in Watts: 135.800

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	148.000	117.000	107.000	117.000	121.000	147.000	149.000	146.000
Transmitting ERP (watts)	133.300	103.500	36.500	4.500	1.500	3.900	38.800	109.600

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: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
2	36-45-58.0 N	088-38-50.0 W	143.0	147.8	1043917

Address: 416 Jintown Road

City: MAYFIELD County: GRAVES State: KY Construction Deadline:

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)	124.300	120.000	100.800	92.100	88.300	103.100	108.600	100.800
Transmitting ERP (watts)	91.200	87.100	85.110	85.110	89.130	87.100	89.130	89.130

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
4	36-54-35.5 N	089-04-01.6 W	110.3	121.0	1030662

Address: (Wickliffe) 353 CR 1307

City: Bardwell County: CARLISLE State: KY Construction Deadline:

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)	107.500	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	189.230	48.640	1.690	0.930	0.930	0.930	1.810	52.120

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.500	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	1.710	64.860	368.980	174.580	8.750	0.930	0.930	0.930

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	107.800	98.100	119.800	96.700	86.900	133.300	130.900	130.400
Transmitting ERP (watts)	0.350	0.350	1.230	35.330	112.440	35.270	1.000	0.350

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-31-12.4 N	088-50-41.5 W	144.2	122.2	1030665

Address: (Fulton) 550 Powell Road

City: Fulton County: HICKMAN State: KY Construction Deadline:

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)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	110.570	412.100	98.560	4.220	1.510	0.920	0.920	6.530

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	0.550	0.550	0.550	0.550	1.480	16.430	11.480	0.700

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
6	36-31-12.4 N	088-50-41.5 W	144.2	122.2	1030665

Address: (Fulton) 550 Powell Road

City: Fulton County: HICKMAN State: KY Construction Deadline:

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	128.200	122.800	123.200	135.200	147.500	157.200	143.900	141.700
Transmitting ERP (watts)	135.480	5.650	2.230	0.920	1.320	5.450	78.640	402.820

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
7	36-38-26.2 N	088-16-00.1 W	165.8	90.8	1030663

Address: (Murray) 1431 Van Cleave Road

City: Murray County: CALLOWAY State: KY Construction Deadline:

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)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	124.240	6.420	0.560	0.560	0.560	0.830	39.630	251.940

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	3.450	96.460	263.070	57.230	1.700	0.560	0.560	0.560

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	106.900	107.100	115.000	106.900	87.400	91.300	86.200	97.500
Transmitting ERP (watts)	0.370	0.370	0.370	12.730	121.110	104.340	9.310	0.370

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-03-51.4 N	088-57-23.6 W	116.4	92.4	1030664

Address: (La Center) 220 RICHARDSON LN

City: LA CENTER County: BALLARD State: KY Construction Deadline:

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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	2.110	71.430	167.460	63.670	0.330	0.640	0.330	0.330

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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	1.230	1.000	1.380	23.440	338.840	457.090	66.070	2.240

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
8	37-03-51.4 N	088-57-23.6 W	116.4	92.4	1030664

Address: (La Center) 220 RICHARDSON LN

City: LA CENTER County: BALLARD State: KY Construction Deadline:

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)	85.600	78.400	71.900	66.000	65.300	67.000	87.700	96.100
Transmitting ERP (watts)	165.960	6.610	0.910	0.500	0.500	0.890	45.710	223.870

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
10	36-44-07.9 N	088-58-29.2 W	131.9	92.9	1030723

Address: 3975 State Route 2206

City: CLINTON County: HICKMAN State: KY Construction Deadline:

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)	100.500	101.900	98.900	84.700	107.900	118.900	119.900	100.400
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
11	37-02-00.0 N	088-22-10.0 W	105.5	106.7	1040303

Address: (Calvert City) 641 Jary Johnson Rd.

City: Calvert City County: MARSHALL State: KY Construction Deadline:

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	23.380	330.300	378.360	36.130	0.970	0.970	0.970	0.970

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	0.970	0.970	0.970	14.730	240.930	357.480	49.940	1.230

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)	78.900	77.600	88.100	83.000	68.600	85.300	97.900	93.100
Transmitting ERP (watts)	63.740	2.060	0.660	0.660	0.660	4.020	107.530	274.970

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
12	36-34-49.2 N	088-31-45.2 W	155.5	91.4	1202399

Address: 12201 SR 97

City: TriCity County: GRAVES State: KY Construction Deadline:

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)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	0.280	4.680	67.610	91.200	13.180	0.450	0.250	0.200

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)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	0.360	0.200	0.200	0.350	18.200	89.130	66.070	2.630

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)	75.100	73.400	74.100	70.100	102.600	100.900	74.700	81.300
Transmitting ERP (watts)	100.000	38.020	0.200	0.380	0.200	0.200	1.260	42.660

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
14	37-05-47.2 N	088-42-35.2 W	104.2	63.4	1200593

Address: (Paducah West) 4415 Merredith Rd.

City: Paducah County: MCCracken State: KY Construction Deadline: 07-08-2014

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)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	24.580	50.820	50.310	19.100	0.840	0.330	0.330	1.370

Antenna: 5

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	0.440	0.440	12.210	76.570	112.800	57.980	5.460	0.440

Antenna: 6

Maximum Transmitting ERP in Watts: 140.820

Azimuth(from true north)	0	45	90	135	180	225	270	315
Antenna Height AAT (meters)	59.900	55.900	65.200	50.700	38.200	34.700	42.800	64.600
Transmitting ERP (watts)	20.830	0.780	0.440	0.440	2.790	42.940	108.040	89.900

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
15	36-46-54.2 N	088-03-28.1 W	199.0	126.5	1205551

Address: 14664 Canton Road

City: Golden Pond County: TRIGG State: KY Construction Deadline: 05-19-2006

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)	165.000	178.000	160.400	174.500	170.600	167.000	177.000	183.900
Transmitting ERP (watts)	96.610	96.610	96.610	96.610	96.610	96.610	96.610	96.610

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
16	36-34-03.0 N	089-10-30.9 W	109.4	91.4	1282534

Address: (Hickman site) Holley Street

City: Hickman County: FULTON State: KY Construction Deadline: 05-28-2014

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)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	141.700	118.910	1.140	0.580	0.580	0.580	0.580	4.050

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)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	0.580	4.050	141.730	118.910	1.140	0.580	0.580	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)	105.500	102.800	96.700	89.300	75.700	68.400	107.900	107.300
Transmitting ERP (watts)	0.460	0.460	0.460	0.460	0.460	7.710	45.610	24.600

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-10-55.4 N	088-56-43.7 W	102.7	99.1	1252613

Address: (Monkey's Eyebrow) 4625 Odgen Colvin Circle

City: Kevil County: BALLARD State: KY Construction Deadline: 10-24-2014

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)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	7.080	125.890	478.630	112.200	4.570	1.580	1.000	1.000

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)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	1.000	1.410	12.020	213.800	446.680	64.570	2.820	1.000

Licensee Name: KENTUCKY RSA NO. 1 PARTNERSHIP

Call Sign: KNKQ306

File Number: 0009611390

Print Date: 08-31-2021

Location	Latitude	Longitude	Ground Elevation (meters)	Structure Hgt to Tip (meters)	Antenna Structure Registration No.
17	37-10-55.4 N	088-56-43.7 W	102.7	99.1	1252613

Address: (Monkey's Eyebrow) 4625 Odgen Colvin Circle

City: Kevil **County:** BALLARD **State:** KY **Construction Deadline:** 10-24-2014

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)	85.900	83.500	90.600	69.600	74.300	84.600	86.500	83.200
Transmitting ERP (watts)	2.000	2.000	2.000	2.000	2.000	398.110	549.540	4.900

Control Points:

Control Pt. No. 3

Address: 500 W. Dove Rd.

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

Waivers/Conditions:

NONE



Universal Licensing System

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ULS Application

Cellular - 0009611390 - KENTUCKY RSA NO. 1 PARTNERSHIP

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SERVICE SPECIFIC

File Number	0009611390	Radio Service	CL - Cellular
Call Sign	KNKQ306	Application Status	G - Granted

General Information

Application Purpose	RO - Renewal Only		
Existing Radio Service			
Authorization Type	Regular	Emergency STA	
Receipt Date	07/06/2021	Action Date	08/31/2021
Entered Date	07/06/2021	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments	No	Grandfathered Privileges	No
Application Fee Exempt	No	Regulatory Fee Exempt	No
Major Request			
Use Question			

Market Data

Market	CMA443 - Kentucky 1 - Fulton	Channel Block	B (View Frequencies)
Submarket Designator	0	Phase	2

Applicant Information

FRN	0001836709 (View Ownership Filing)	Type	General Partnership
Name	KENTUCKY RSA NO. 1 PARTNERSHIP 5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022 ATTN Licensing Manager		P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Verizon Wireless Licensing Manager 5055 North Point Pkwy, NP2NE	P:(770)797-1070 F:(770)797-1036
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Qualifications, Ownership

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity

Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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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 KNLH404	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003290673

Grant Date 04-24-2017	Effective Date 11-30-2017	Expiration Date 04-28-2027	Print Date 01-10-2018
Market Number BTA339	Channel Block D	Sub-Market Designator 0	
Market Name Paducah-Murray-Mayfield, KY			
1st Build-out Date 04-28-2002	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

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: KNLH404

File Number:

Print Date: 01-10-2018

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0009135432 - Verizon Communications Inc.

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File Number 0009135432 Application Status Q - Accepted

General Information

Application Purpose	TC - Transfer of Control		
Receipt Date	07/21/2020		
Entered Date	07/21/2020	Action Date	08/13/2020
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
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Transferor Information

FRN	0003257094 (View Ownership Filing)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com

Race
Ethnicity

Sex

Transferor Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
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Transferee Information

FRN	0003257094 (View Ownership)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com	
Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Transferee Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
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Transferee Qualifications and Ownership Information

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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FEDERAL COMMUNICATIONS COMMISSION
Wireless Telecommunications Bureau

Spectrum Leasing Arrangement

06/11/2025

ATTN: REGULATORY
KENTUCKY RSA NO. 1 PARTNERSHIP
1120 SANCTUARY PKWY #150 - GASA5REG
ALPHARETTA, GA 30009

Reference Number:

This approval allows the Lessee to lease spectrum from the Licensee pursuant to the provisions and requirements of Subpart X of Part 1 of the Commission's Rules, 47 C.F.R. Part 1, and as described in the associated spectrum leasing application or notification.

Type of Lease Arrangement	Lease Term	Lease Identifier
Spectrum Manager Lease	Long Term	L000008155

Lease Grant/Accepted Date	Lease Commencement Date	Lease Expiration Date
03/17/2011	03/25/2011	06/13/2029

Call Sign	Radio Service
WQJQ692	WU - 700 MHz Upper Band (Block C)

Lessee Information
0001836709
KENTUCKY RSA NO. 1 PARTNERSHIP
Attn: REGULATORY
1120 SANCTUARY PKWY #150 - GASA5REG
ALPHARETTA, GA 30009

Licensee Information
0003290673
CELLCO PARTNERSHIP
Attn: REGULATORY
5055 NORTH POINT PKWY, NP2NE NETWORK ENGINEERING
ALPHARETTA, GA 30022

Geographically-Licensed Services		
Market Number	Market Name	Channel Block
REA004	Mississippi Valley	C

Condition:

This lease may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum associated with this leasing agreement, 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 <https://www.fcc.gov/wireless/universal-licensing-system> and select "License Search". Follow the instructions on how to search for license information.

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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File Number 0009135432 Application Status Q - Accepted

General Information

Application Purpose	TC - Transfer of Control		
Receipt Date	07/21/2020		
Entered Date	07/21/2020	Action Date	08/13/2020
Waiver	No	Number of Rules	
Attachments	Yes		
Application Fee Exempt	No	Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Regulatory 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Transferor Information

FRN	0003257094 (View Ownership Filing)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005		P:(202)515-2453 E:sarah.trosch@verizon.com

Race
Ethnicity

Sex

Transferor Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
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Transferee Information

FRN	0003257094 (View Ownership)	Type	Corporation
Name	Verizon Communications Inc. ATTN Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com	
Real Party In Interest	Cellco Partnership	FRN of Real Party in Interest	0003290673
Race		Sex	
Ethnicity			

Transferee Contact Information

Name	Wilkinson Barker Knauer, LLP ATTN Jennifer L. Kostyu 1800 M. St., NW, Suite 800N Washington, DC 20036	P:(202)783-4141 F:(202)783-5851 E:jkostyu@wbklaw.com
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Transferee Qualifications and Ownership Information

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQGA718	File Number 0009793647
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 02-22-2022	Effective Date 02-22-2022	Expiration Date 11-29-2036	Print Date 02-23-2022
Market Number REA004	Channel Block F	Sub-Market Designator 15	
Market Name Mississippi Valley			
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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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: WQGA718

File Number: 0009793647

Print Date: 02-23-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0011534270 - Trace-Tek

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File Number	0011534270	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	<i>De Facto</i> Transfer

General Information

Application Purpose	LN - New Lease
Receipt Date	04/22/2025
Entered Date	04/22/2025
Waiver	No
Attachments	Yes
Application Fee Exempt	No
Action Date	05/08/2025
Number of Rules	
Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Network Engineering 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341		P:(972)672-0477 E:licenses@trace-tek.com

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
Race		Sex	
Ethnicity			

Lessee Contact Information

Name	Trace-Tek Garrett Loo ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	--	---

Lessee Qualifications and Ownership Information

Radio Service Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQGA959	File Number 0009775569
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-03-2022	Effective Date 01-03-2022	Expiration Date 11-29-2036	Print Date 01-05-2022
Market Number BEA071	Channel Block B	Sub-Market Designator 0	
Market Name Nashville, TN-KY			
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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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: WQGA959

File Number: 0009775569

Print Date: 01-05-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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AWS (1710-1755 MHz and 2110-2155 MHz) - 0009775569 - Cellco Partnership

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File Number	0009775569	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGA959	Application Status	G - Granted

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Receipt Date 10/26/2021

Entered Date 10/26/2021

Waiver No

Attachments [Yes](#)

Application Fee Exempt No

Major Request

Use Question

Emergency STA

Action Date 01/03/2022

Requested Expiration Date

Number of Rules

Grandfathered Privileges No

Regulatory Fee Exempt No

Market Data

Market BEA071 - Nashville, TN-KY

Submarket Designator 0

Channel Block B

Associated Frequencies (MHz)
001720.00000000-
001730.00000000
002120.00000000-
002130.00000000

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name	Cellco Partnership	P:(770)797-1070
	Licensing Manager	F:(770)797-1036
	5055 North Point Pkwy, NP2NE	E:LicensingCompliance@VerizonWireless.com
	Network Engineering	
	Alpharetta, GA 30022	

Qualifications, Ownership

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its

facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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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

Call Sign WQGA960	File Number 0009775572
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-03-2022	Effective Date 01-03-2022	Expiration Date 11-29-2036	Print Date 01-05-2022
Market Number BEA072	Channel Block B	Sub-Market Designator 0	
Market Name Paducah, KY-IL			
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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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: WQGA960

File Number: 0009775572

Print Date: 01-05-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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AWS (1710-1755 MHz and 2110-2155 MHz) - 0009775572 - Cellco Partnership

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File Number	0009775572	Radio Service	AW - AWS (1710-1755 MHz and 2110-2155 MHz)
Call Sign	WQGA960	Application Status	G - Granted

General Information

Application Purpose RO - Renewal Only

Existing Radio Service

Authorization Type Regular

Receipt Date 10/26/2021

Entered Date 10/26/2021

Waiver No

Attachments [Yes](#)

Application Fee Exempt No

Major Request

Use Question

Emergency STA

Action Date 01/03/2022

Requested Expiration Date

Number of Rules

Grandfathered Privileges No

Regulatory Fee Exempt No

Market Data

Market BEA072 - Paducah, KY-IL

Submarket Designator 0

Channel Block B

Associated Frequencies (MHz) 001720.00000000-001730.00000000-002120.00000000-002130.00000000

Applicant Information

FRN 0003290673
([View Ownership Filing](#))

Type General Partnership

Name Cellco Partnership
5055 North Point Pkwy, NP2NE
Network Engineering
Alpharetta, GA 30022

P:(770)797-1070
F:(770)797-1036
E:LicensingCompliance@VerizonWireless.com

Real Party in Interest

FRN of Real Party in Interest

Contact Information

Name	Cellco Partnership	P:(770)797-1070
	Licensing Manager	F:(770)797-1036
	5055 North Point Pkwy, NP2NE	E:LicensingCompliance@VerizonWireless.com
	Network Engineering	
	Alpharetta, GA 30022	

Qualifications, Ownership

Radio Service Type Mobile

Regulatory Status Common Carrier Interconnected Yes

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

Race

Ethnicity Sex

Additional Certifications

Operation/Performance Requirement Certification

For a site-based license

Applicant certifies that it is continuing to operate consistent with its most recently filed construction notification (or most recent authorization, if no construction notification was required).

For a geographic license, commercial service - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to provide at least the level of service required by its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement and it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of the license term.

For a geographic license, commercial service - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to provide at least the level of service required by its final performance requirement through the end of any subsequent license terms.

For a geographic license, private systems - licensee in its initial license term with an interim performance requirement

Applicant certifies that it has met its interim performance requirement, that over the portion of the license term following the interim performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its interim performance requirement, it has met its final performance requirement, and it continues to use its facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in its initial license term with no interim performance requirement

Applicant certifies that it has met its final performance requirement, it continues to use its facilities to further its private business or public interest/public safety communications needs, and it continues to use its

facilities to provide at least the level of operation required by its final performance requirement through the end of the license term.

For a geographic license, private systems - licensee in any subsequent term

Applicant certifies that it continues to use its facilities to further its private business or public interest/public safety communications needs at or above the level required to meet its final performance requirement through the end of any subsequent license terms.

For a partitioned or disaggregated license without a performance requirement, for the first renewal application filed after 05/30/2020.

Applicant certifies that the partitioned and/or disaggregated license that is the subject of this renewal application has no separate performance requirement and that this is the first renewal of this license filed subsequent 10/01/2020.

For a partitioned or disaggregated license without a performance requirement, for any subsequent renewal filings

Applicant certifies that it continues to use its facilities to provide service or to further the applicant's private business or public interest/public safety needs.

Discontinuance of Service Certification

Applicant certifies that no permanent discontinuance of service or operation, as applicable, occurred during its current license term.

Regulatory Compliance Certification

Applicant certifies that it has substantially complied with all applicable FCC rules, policies, and the Communications Act of 1934, as amended.

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RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQGD606	File Number 0009565676
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003290673

Grant Date 12-16-2021	Effective Date 12-16-2021	Expiration Date 12-18-2036	Print Date 07-09-2022
Market Number BEA072	Channel Block C	Sub-Market Designator 0	
Market Name Paducah, KY-IL			
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. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

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. 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: WQGD606

File Number: 0009565676

Print Date: 07-09-2022

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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0010093348 - Cellco Partnership

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MAIN **ADMIN** **TRANS LOG** **NOTIFICATION**

File Number 0010093348 Application Status Q - Accepted

General Information

Application Purpose	NT - Required Notification		
Existing Radio Service			
Authorization Type		Emergency STA	
Receipt Date	06/16/2022	Action Date	06/17/2022
Entered Date	06/16/2022	Requested Expiration Date	
Waiver	No	Number of Rules	
Attachments		Grandfathered Privileges	
Application Fee Exempt	No	Regulatory Fee Exempt	
Major Request			

Applicant Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022 ATTN Regulatory		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Real Party in Interest		FRN of Real Party in Interest	

Contact Information

Name	Verizon Sarah Trosch 1300 I Street, NW - Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
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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 WQJQ692	File Number 0008587218
Radio Service WU - 700 MHz Upper Band (Block C)	

FCC Registration Number (FRN): 0003290673

Grant Date 01-10-2020	Effective Date 05-28-2025	Expiration Date 06-13-2029	Print Date 01-14-2020
Market Number REA004	Channel Block C	Sub-Market Designator 0	
Market Name Mississippi Valley			
1st Build-out Date 06-13-2013	2nd Build-out Date 06-13-2019	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: 0008587218

Print Date: 01-14-2020

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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ULS Application

0011561586 - Trace-Tek

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MAIN	ADMIN	LEASE INFO	LEASES	DATES	REVENUE
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File Number	0011561586	Application Status	G - Granted
Application Purpose	LN - New Lease	Classification of Lease	<i>De Facto</i> Transfer

General Information

Application Purpose	LN - New Lease
Receipt Date	05/15/2025
Entered Date	05/15/2025
Waiver	No
Attachments	Yes
Application Fee Exempt	No
Action Date	06/11/2025
Number of Rules	
Waiver/Deferral Fee	No

Licensee Information

FRN	0003290673 (View Ownership Filing)	Type	General Partnership
Name	Cellco Partnership ATTN Network Engineering 5055 North Point Pkwy, NP2NE Engineering Alpharetta, GA 30022		P:(770)797-1070 E:Licensing.Compliance@verizonwireless.com
Race		Sex	
Ethnicity			

Licensee Contact Information

Name	Verizon Sarah Trosch 1300 I St, NW- Suite 500 East Washington, DC 20005	P:(202)515-2453 E:sarah.trosch@verizon.com
------	--	---

Lessee Information

FRN	0030856223 (View Ownership)	Type	Limited Liability Company
Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341		P:(972)672-0477 E:licenses@trace-tek.com

Real Party In Interest	Trace-Tek	FRN of Real Party in Interest	0030856223
Race		Sex	
Ethnicity			

Lessee Contact Information

Name	Trace-Tek ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341	P:(972)672-0477 E:licenses@trace-tek.com
------	---	---

Lessee Qualifications and Ownership Information

Radio Service Type

Regulatory Status Interconnected

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

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Federal Communications Commission
45 L Street NE
Washington, DC 20554

Phone: 1-877-480-3201
ASL Videophone: 1-844-432-2275
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EXHIBIT B

SITE DEVELOPMENT PLAN:

**500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**

Drawing Name: O:\2025\202570508 EV Equine Hospital Tower Comt4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:47 AM - C.Miller



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

NEW 290' SELF SUPPORT TOWER
w/10' LIGHTNING ROD
TOTAL TOWER HEIGHT 300'

TOWER OWNER SITE

EQUINE HOSPITAL
SITE #: TBD

VERIZON WIRELESS SITE

EV EQUINE HOSPITAL
PROJECT#: 16048834
MARKET ID: EVANSVILLE
MDG#: 5000929192

SITE ADDRESS

313 COLE CEMETERY ROAD
BENTON, KY 42025
MARSHALL COUNTY
E911 ADDRESS: 313 COLE CEMETERY ROAD
BENTON, KY 42025

TOWER OWNER

TOWERCOM
241 ATLANTIC BLVD, STE. 201
NEPTUNE BEACH, FL 32266
CONTACT: JINAY VASCOCU
PHONE: 678-525-2576
E-MAIL:
JVASCOCU@TOWERCOMENTERPRISES.COM

PROPERTY OWNER

NEAL S COLE
16 BONDURANT LANE
BENTON, KY 42025
CONTACT: NEAL S COLE
PHONE: 270-205-6466
E-MAIL: NJCOLE@BELLSOUTH.NET

POLICE

MARSHALL COUNTY SHERIFFS DEPT.
52 JUDICIAL DR
BENTON, KY 42025
PHONE: (270) 527-3112

FIRE

HARVEY-BREWERS VOLUNTEER FIRE
KY 58
BENTON, KY 42025
PHONE: (270) 527-7770

GENERAL INFORMATION

LATITUDE - 36° 49' 18.57" N
LONGITUDE - 88° 24' 39.72" W
1983 (NAD83)

ELEVATION - 500.33' AMSL
1988 (NAVD88)

TOWER OWNER LEASE AREA

100'-0" x 100'-0"
(10000 SF)

VERIZON WIRELESS LEASE AREA

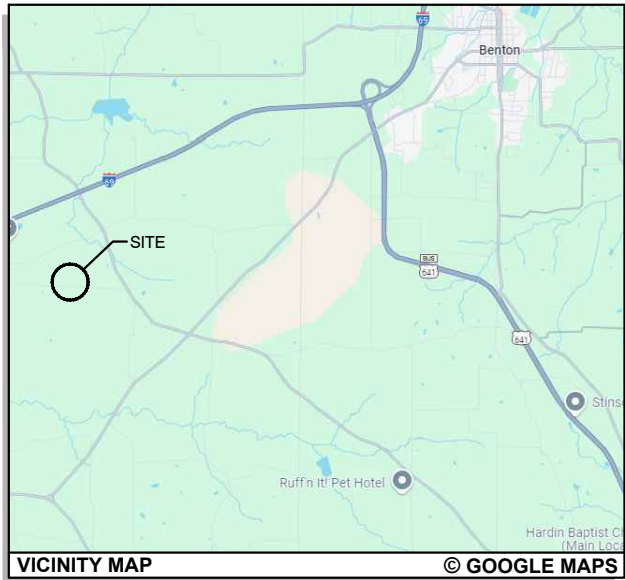
16'-8" x 30'-0"
(500 SF)

PROJECT TOTAL DISTURBED AREA

COMPOUND: (6,400 SF) = (15 ACRE)
ACCESS DRIVE: (2,900 SF) = (.07 ACRE)
GROSS AREA: (8,300 SF) = (.22 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

© GOOGLE MAPS

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:

TOWERCOM SCOPE:

- INSTALL A NEW 290' SELF SUPPORT TOWER w/ 10' LIGHTNING ROD (TOTAL 300')
- INSTALL A NEW TOWER FOUNDATION SYSTEM
- INSTALL A NEW 80'X80' 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 A NEW VZW CONCRETE EQUIPMENT AND GENERATOR PADS
- INSTALL VZW ICE BRIDGE AND FOUNDATIONS
- 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 (2) 1-1/4" SMOOTHWALL SDR-11 HDPE FIBER OPTIC CONDUITS w/PULL TAPES AND TRACER WIRE FROM "VERIZON WIRELESS ONLY" HAND HOLE OUTSIDE COMPOUND TO VZW EQUIPMENT PAD
- INSTALL (3) NEW "VERIZON WIRELESS ONLY" 1-1/4" SMOOTHWALL SDR-11 HDPE FIBER OPTIC CONDUITS WITH PULL TAPES AND TRACER WIRE FROM NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE OUTSIDE COMPOUND TO NEW "VERIZON WIRELESS ONLY" 24"X36" HAND HOLE AT R.O.W.
- 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
- INSTALL EXISTING SUBSURFACE GROUND LEADS TO VZW EQUIPMENT & FACILITIES
- 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 LIT FIBER LOCATION
- INSTALL NEW CONDUITS AND CIRCUITS FROM VZW ILC ENCLOSURE TO EQUIPMENT 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

© GOOGLE MAPS

EQUINE HOSPITAL TBD

313 COLE CEMETERY ROAD
BENTON, KY 42025
MARSHALL COUNTY

TENANT: KENTUCKY RSA 1 PSHP d/b/a VERIZON WIRELESS
"EV EQUINE HOSPITAL"

FROM EVANSVILLE MTSO:800 RUSSELL ROAD, CHANDLER, IN 47610: HEAD WEST ON RUSSELL RD (0.2 MI). TURN RIGHT (NORTH) AT THE 1SR CRISS STREET TO STAY ON RUSSELL RD (0.3 MI). TURN LEFT (WEST) ONTO GARDNER RD (1.6 MI). TURN LEFT (WEST) ONTO IN-62 (4.2 MI). USE THE RIGHT LANE TO TAKE THE RAMP ONTO I-69 S (0.3 MI). MERGE ONTO I-69 S (8.1 MI). TAKE EXIT 0 FOR VETERANS MEM. PKWY./US-41 (0.1 MI). TAKE THE RAMP ONTO US-41 S (7.6 MI). SLIGHT LEFT TO STAY ON US-41 S (3.8 MI). CONTINUE ONTO I-69 S (80.2 MI). TAKE EXIT 68B TO MERGE ONTO I-24 W =/I-69 S TOWARD PADUCAH (16.2 MI). USE THE LEFT TWO LANES TO TAKE EXIT 25A FOR I-69 S TOWARD FULTON (0.9 MI). CONTINUE ONTO I-69 (9.6 MI). TAKE EXIT 41 FOR US-641 (0.9 MI). CONTINUE ONTO US-641 SPUR S (0.2 MI). TURN RIGHT (NORTH) ONTO KY-58 W (2.8 MI). TURN RIGHT (NORTH) ONTO COLE CEMETERY ROAD (0.5 MI). DESTINATION WILL BE ON THE RIGHT.

FROM MARSHALL COUNTY JUDICIAL BUILDING:80 JUDICIAL DR, BENTON, KY 42025: HEAD SOUTHWEST ON JUDICIAL DRIVE TOWARD W 5TH ST (105 FT). TAKE I-69 AND KY-48 W TO COLE CEMETERY ROAD (0.5 MI). TURN RIGHT (NORTH) ONTO COLE CEMETERY ROAD (0.5 MI). DESTINATION WILL BE ON THE RIGHT

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 H (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

BENCHMARK SERVICES, INC.
318 NORTH MAIN STREET
HUNTINGBURG, IN 47542
PHONE: (812) 683-3049

ARCHITECTURAL

GPD GROUP, INC.
520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
CONTACT: TRACI PREBLE
PHONE: 317-299-2996

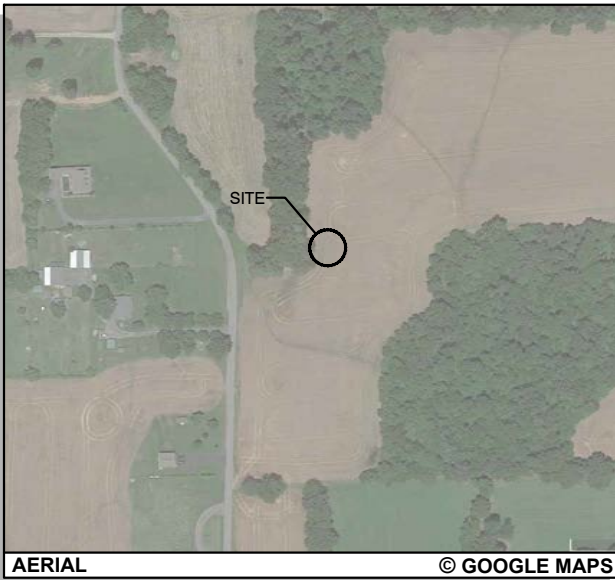
ELECTRICAL

WEST KY RURAL ELECTRIC COOPERATIVE CORP
ADDRESS: 1218 WEST BROADWAY PO BOX 589
MAYFIELD, KY 42066

CONTACT: SERVICE INSTALLATION
PHONE: (877) 495-7322
EMAIL: TBD

ELECTRICAL UTILITY COORDINATION
IS NOT FINALIZED. DO NOT PROCEED
WITH CONSTRUCTION.

CONSULTANT TEAM



AERIAL

© GOOGLE MAPS

SHEET NUMBER

DESCRIPTION

T-1

PROJECT INFORMATION, SITE MAPS,
SHEET INDEX
SURVEY PLAN

CIVIL

C-1

OVERALL SITE PLAN w/AERIAL OVERLAY

C-1A

OVERALL SITE PLAN w/TOWER DISTANCE TO
PROPERTY LINES

C-2

GRADING AND E&S CONTROL PLAN

C-3

DETAILED SITE PLAN

C-4

DIMENSIONED SITE PLAN

C-5

DETAILED EQUIPMENT PAD PLAN

C-6

GENERAL SITE CONSTRUCTION NOTES

C-7

BEST MANAGEMENT PRACTICES & EROSION CONTROL
DETAILS AND NOTES

C-8

UNDERGROUND GAS PIPING PLAN 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, DIAGRAMS AND DETAILS (REFERENCE ONLY)

E-9

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)

TOWER (BY OTHERS)

TW-1

TOWER DETAILS (REFERENCE ONLY)



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV PER NEW RFS
D	04/04/25	REV PER GEN. TYPE
E	06/06/25	REV PER E-911
F	06/13/25	REV FOR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER
06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

TITLE SHEET

ISSUED FOR:

REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.

2025705.05

T-1

CENTER OF TOWER
COORDINATE POINT LOCATION
NAD 1983
LATITUDE: 36°49'18.57" N
(36.82182384)
LONGITUDE: 88°24'39.72" W
(-88.41103433)
NAVD 1988
ELEVATION 500.33' AMSL

UTILITIES
POWER COMPANY:
WEST KY RURAL CO OP
(877) 495-7322

TELEPHONE COMPANY:
A.T.&T.
(800) 752-6000

FIRE JURISDICTION:
HARVEY-BREWERS VOLUNTEER FIRE DEPT.
(270) 527-7770

POLICE JURISDICTION:
MARSHALL COUNTY SHERIFF DEPT.
(270) 527-3112

COLE CEMETERY ROAD
(40' PUBLIC RIGHT OF WAY)

P.O.B. ACCESS &
UTILITY EASEMENT
N 00°55'57" W 30.49'
S 00°55'57" E 15.28'

16" STEEL PIPE
FLOWLINE=497.64

CAPPED IRON
PIN FOUND

P.O.B. LEASE AREA

CAPPED IRON
PIN FOUND
POINT OF
COMMENCEMENT IRON
PIN FOUND

N 76°57'26" E 124.33'(D)
N 78°39'08" E 124.28'(M)

N 78°48'03" E 137.97'
N 90°00'00" E 100.00'
S 90°00'00" W 100.00'
S 78°48'03" W 140.46'

N 00°55'57" W 30.49'
S 00°55'57" E 15.28'

N 03°18'03" E 228.75'
N 03°48'47" W 539.10'(D)
N 06°10'05" W 540.77'(M)

CAPPED IRON
PIN FOUND

EXISTING DITCH

N 03°18'03" E 228.75'
N 03°48'47" W 539.10'(D)
N 06°10'05" W 540.77'(M)

N 03°18'03" E 228.75'
N 03°48'47" W 539.10'(D)
N 06°10'05" W 540.77'(M)

N 03°18'03" E 228.75'
N 03°48'47" W 539.10'(D)
N 06°10'05" W 540.77'(M)

Owner Name
NEAL S. COLE &
CLARA J. COLE, ET AL
16 BONDURANT LN
BENTON, KY 42025

SITE ADDRESS:
COLE CEMETERY ROAD
BENTON, KY 42025

PARCEL:
28-00-00-059.02

CENTER OF TOWER
COORDINATE POINT LOCATION

NORTH: 3469813.87
EAST: 4142380.94
ELEV: 500.33
LAT: 36°49'18.57"
LONG: 88°24'39.72"

100'x100'
LEASED PREMISES

30' ACCESS & UTILITY ESMT.

STATE OF KENTUCKY
RALPH M. WALLEM
2195
LICENSED
PROFESSIONAL
LAND SURVEYOR

LAND SURVEYOR'S CERTIFICATE

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.

Ralph M. Wallem
RALPH M. WALLEM

PLS NO. KY LS #2195

SURVEYOR NOTE:
THIS EXHIBIT DRAWING IS FOR GENERAL INFORMATION ONLY. DISTANCES SHOWN FROM THE CENTER OF TOWER TO PROPERTY LINES WERE DERIVED FROM PROVIDED PLATS, AND DESCRIPTIONS. THE DATA SHOWN IS BASED ON LIMITED ACCURACY MEASUREMENTS, THEREFORE NO LIABILITY WILL BE ASSUMED FOR ANY USE OF THIS DATA FOR CONSTRUCTION OF NEW IMPROVEMENTS AND/OR FENCES

FLOOD DATA

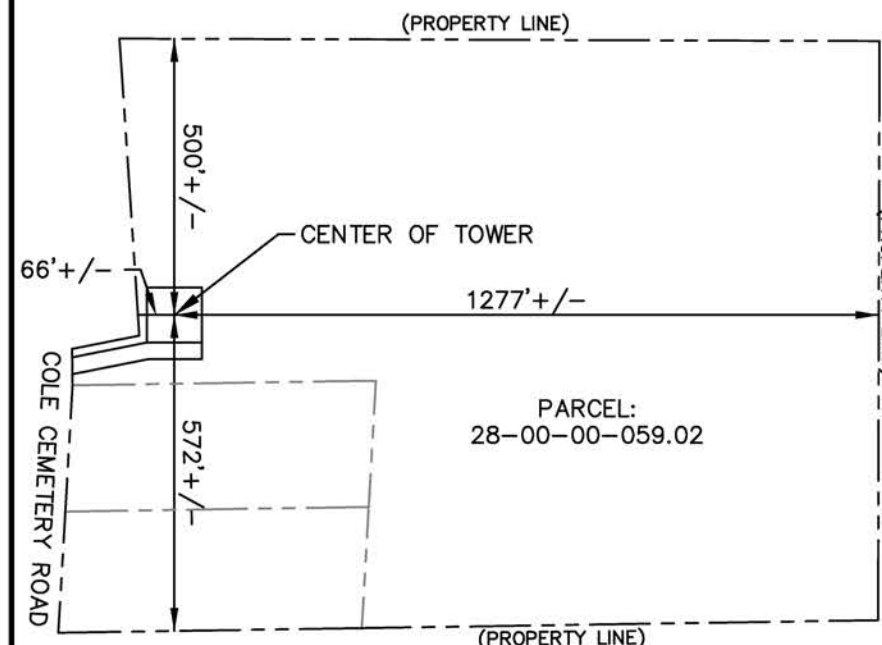
THIS LEASED PREMISES APPEARS TO BE IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 21157C150E WHICH HAS AN EFFECTIVE DATE OF JUNE 2, 2015.

NOTE: FLOOD ZONE INFORMATION SHOWN HEREON IS BASED ON INFORMATION FROM A FEMA SCALED MAP AND GPS OBSERVATION.
GENERAL NOTES:
THE ACCESS & UTILITY EASEMENT TERMINATE AT THE WEST PROPERTY LINE SAID LINE BEING THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD AND BEING PARCEL 28-00-00-059.02

THE LEASED PREMISES AND ACCESS & UTILITY EASEMENT LIE ENTIRELY WITHIN THE PARENT PARCEL.

AT THE TIME OF THE SURVEY, THERE WERE NO VISIBLE ENCROACHMENTS LOCATED ON THE LEASED PREMISES OR EASEMENTS.

OVERALL PARCEL NO SCALE



241 Atlantic Blvd,
Suite 201
Neptune Beach, FL 32266



**BENCHMARK
SERVICES, INC.**
Consulting Engineers
Land Surveyors
318 North Main Street
Huntingburg, IN 47542
(812) 683-3049
benchmark@mw.twcnc.com

FUZE NUMBER:

16048834

SITE NAME:

EV EQUINE HOSPITAL

LANDOWNER:

NEAL S COLE &
CLARA J COLE ET AL
16 BONDURANT LN
BENTON, KY 42025

SITE ADDRESS:

COLE CEMETERY ROAD
BENTON, KY 42025

LEASED PREMISES:

10000 SQ. FT.

DEED BOOK-PAGE

DB 477 PG 501

PARCEL ID NUMBER:

28-00-00-059.02

COUNTY:

MARSHALL COUNTY

LATITUDE: 36°49'18.57" N
LONGITUDE: 88°24'39.72" W

DWG BY: GVW
CHKD BY: RMW
DATE: 11.18.24

NO.	REVISION/ISSUE	DATE:
1.	REVIEW	11.22.24

TITLE:
SURVEY PLAN

SHEET:
1 OF 2

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

FIDELITY NATIONAL TITLE INSURANCE COMPANY
COMMITMENT NO. 5000004571

Commitment Date: March 6, 2024 at 12:00 AM

SURVEYOR CERTIFICATION

TO: TOWERCOM, VI-B, LLC, FIDELITY NATIONAL TITLE INSURANCE COMPANY

I CERTIFY THAT THIS PLAT AND SURVEY WERE MADE BY ME 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 ABILITY AND BELIEF. THIS SURVEY AND PLAT MEETS OR EXCEEDS THE MINIMUM STANDARDS OF THE GOVERNING AUTHORITIES.


SURVEYOR STATEMENT—MY COMMENTS ARE BASED SOLELY ON THE TITLE DOCUMENT THAT HAVE BEEN SUPPLIED TO ME BY THE TITLE COMPANY. SINCE THE TITLE DOCUMENTS ARE FURNISHED FOR THE PARENT TRACT, OUR TOPOGRAPHIC SURVEY IS OF A PORTION OF THAT TRACT. MY COMMENTS ARE RESTRICTED TO EXCLUSIONS THAT I CAN DETERMINE AFFECT ONLY OUR PORTION OF THE PARENT TRACT. NO BOUNDARY SURVEY WAS PERFORMED ON THE PARENT TRACT. THUS IT IS NOT POSSIBLE TO DETERMINE WITH CERTAINTY EXCLUSIONS REFERENCING THE PARENT TRACT.

SCHEDULE "B" ITEMS

General Exceptions:

8. Matters as shown and noted on Plat recorded in Deed Book H, Page 62. (PLAT DESCRIBED THE PARENT PARCEL AND IS A PREVIOUS RECORDED SURVEY)
9. Easement in favor of The Benton Gas System set forth in instrument recorded on December 15, 2023 in Deed Book 511, Page 626. (SURVEYOR UNABLE TO PLOT AS DESCRIBED. AFFECTS THE PARENT PARCEL. UNABLE TO DETERMINE IF IT AFFECTS THE ACCESS & UTILITY EASEMENT, UNABLE TO DETERMINE IF IT AFFECTS THE LEASED PREMISES.)

END OF SCHEDULE B, PART II


RALPH M. WALLEM KY LS #2195



DESCRIPTION OF LEASED PREMISES

BEING A PART OF A 28.82 ACRE PARCEL OF LAND OWNED NOW OR FORMERLY BY NEAL S. COLE, CLARA J. COLE, JOEL T. COLE, AND SHARON R. COLE BY DEED RECORDED JUNE 24, 2020, IN BOOK 477, PAGE 501 OF THE MARSHALL COUNTY, KENTUCKY CLERK OF COUNTY COURT RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN WITH CAP WITH THE SURVEYOR'S MARKINGS #3347, SAID PIN BEING ON THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD (40' RIGHT OF WAY) SAID PIN BEING A SOUTHEAST CORNER OF A PROPERTY BEING PREVIOUSLY OWNED BY PLEASANT GROVE METHODIST CHURCH (WILL BOOK 55, PAGE 643; SAID PIN LIES ON A BEARING OF SOUTH 82 DEGREES 54 MINUTES 23 SECONDS WEST A DISTANCE OF 3648.40 FEET FROM THE CENTERLINE INTERSECTION OF HIGHWAY 58 AND JOHNSTON SUBDIVISION LANE; SAID PIN BEING THE NORTHWEST CORNER OF THE 28.82 ACRE PARCEL; THENCE SOUTH 00 DEGREES 55 MINUTES 57 SECONDS EAST 15.28 FEET TO A POINT; THENCE NORTH 78 DEGREES 48 MINUTES 03 SECONDS EAST 137.97 FEET TO THE TRUE PLACE OF BEGINNING OF THE LEASED PREMISES; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES), MORE OR LESS.

DESCRIPTION OF NON-EXCLUSIVE 30' ACCESS AND UTILITY EASEMENT

BEING A PART OF A 28.82 ACRE PARCEL OF LAND OWNED NOW OR FORMERLY BY NEAL S. COLE, CLARA J. COLE, JOEL T. COLE, AND SHARON R. COLE BY DEED RECORDED JUNE 24, 2020, IN BOOK 477, PAGE 501 OF THE MARSHALL COUNTY, KENTUCKY CLERK OF COUNTY COURT RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN WITH CAP WITH THE SURVEYOR'S MARKINGS #3347, SAID PIN BEING ON THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD (40' RIGHT OF WAY) SAID PIN BEING A SOUTHEAST CORNER OF A PROPERTY BEING PREVIOUSLY OWNED BY PLEASANT GROVE METHODIST CHURCH (WILL BOOK 55, PAGE 643; SAID PIN LIES ON A BEARING OF SOUTH 82 DEGREES 54 MINUTES 23 SECONDS WEST A DISTANCE OF 3648.40 FEET FROM THE CENTERLINE INTERSECTION OF HIGHWAY 58 AND JOHNSTON SUBDIVISION LANE; SAID PIN BEING THE NORTHWEST CORNER OF THE 28.82 ACRE PARCEL; THENCE SOUTH 00 DEGREES 55 MINUTES 57 SECONDS EAST 15.28 FEET ALONG THE SAID EAST RIGHT OF WAY LINE TO THE TRUE PLACE OF BEGINNING OF THE ACCESS AND UTILITY EASEMENT; THENCE NORTH 78 DEGREES 48 MINUTES 03 SECONDS EAST 137.97 FEET TO THE SOUTHWEST CORNER OF THE LEASED PREMISES; THENCE ALONG THE SOUTH LINE OF SAID LEASED PREMISES BEARING NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 30.00 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 97.06 FEET; THENCE SOUTH 78 DEGREES 48 MINUTES 03 SECONDS WEST 140.46 FEET TO THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD; THENCE ALONG SAID RIGHT OF WAY LINE BEARING NORTH 00 DEGREES 55 MINUTES 57 SECONDS WEST 30.49 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 7132 SQUARE FEET, (0.16 ACRES), MORE OR LESS.

PARENT PARCEL DESCRIPTION
EXHIBIT "A"

An interest in land, said interest being over a portion of the following described parent parcel: Tract 5, containing 2.77 acres more or less, Tract 6, containing 2.88 acres more or less and Tract 7, containing 28.82 acres, more or less as shown on Survey Plat for Juanita Murray surveyed by Dennis Looper Land Surveying and recorded on Slide H - 62, Marshall County Court Clerk's Office. Reference is hereby made to said plat for a more complete description.

AND BEING the same property conveyed to Neal S. Cole and Clara J. Cole, and Joel T. Cole and Sharon R. Cole from Juanita Murray, Paula Yvonne Murray Gray and J. R. Gray, Patty Sue Murray Galloway and Robert H. Galloway, Donald Glenn Murray and Rita J. Murray, Sharon Mae Murray Choate and Edward Choate, and Judy Darlene Murray Moore and Steven Lynn Moore by Deed dated June 24, 2020 and recorded June 24, 2020 in Deed Book 447, Page 501.

Tax Parcel No. 28-00-00-059.0



241 Atlantic Blvd,
Suite 201
Neptune Beach, FL 32266



FUZE NUMBER:

16048834

SITE NAME:

EV EQUINE HOSPITAL

LANDOWNER:

NEAL S COLE &
CLARA J COLE ET AL
16 BONDURANT LN
BENTON, KY 42025

SITE ADDRESS:

COLE CEMETERY ROAD
BENTON, KY 42025

LEASED PREMISES:

10000 SQ. FT.

DEED BOOK-PAGE

DB 477 PG 501

PARCEL ID NUMBER:

28-00-00-059.02

COUNTY:

MARSHALL COUNTY

LATITUDE: 36°49'18.57" N

LONGITUDE: 88°24'39.72" W

DWG BY:	CHKD BY:	DATE:
GVW	RMW	11.18.24

NO.	REVISION/ISSUE	DATE:
-----	----------------	-------

1.	REVIEW	11.22.24
----	--------	----------

TITLE:

SURVEY PLAN

SHEET:

2 OF 2

CENTER OF TOWER
COORDINATE POINT LOCATION
NAD 1983
LATITUDE: 36°49'18.57" N
(36.82182384)
LONGITUDE: 88°24'39.72" W
(-88.41103433)

SURVEYOR NOTE:

THE OWNER INFORMATION LISTED ON THIS ADJOINER DRAWING WAS OBTAINED FROM THE RECORDS FROM THE MARSHALL COUNTY PVA WEBSITE AS OF 12:00 P.M. JANUARY 3, 2025. IF THIS INFORMATION IS TO BE USED FOR LEGAL PURPOSES SUCH AS A LEGAL NOTICE, THE INFORMATION SHOULD BE VERIFIED BY THE PERSON SENDING SAID NOTICE. BENCHMARK SERVICES, INC. ASSUMES NO LIABILITY FOR CHANGES IN INFORMATION AFTER THE LISTED DATE AND TIME.
ADDITIONALLY, ALL BUILDINGS AND STRUCTURES SHOWN HEREON WERE IDENTIFIED FROM GOOGLE EARTH IMAGES. IF SAID STRUCTURES ARE REQUIRED TO BE LABELED FURTHER OR DIMENSIONED A VISIT TO THE SITE WILL BE REQUIRED.
PROPERTY LINES SHOWN HEREON WERE DRAWN BY TRACING A SCALED IMAGE FROM THE MARSHALL COUNTY PVA WEBSITE.

NOTE: THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

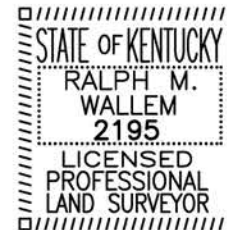
LAND SURVEYOR'S CERTIFICATE

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.

Ralph M. Wallem

RALPH M. WALLEM

PLS NO. KY LS #2195



241 Atlantic Blvd,
Suite 201
Neptune Beach, FL 32266



FUZE NUMBER:

16048834

SITE NAME:

EV EQUINE HOSPITAL

LANDOWNER:

NEAL S COLE &
CLARA J COLE ET AL
16 BONDURANT LN
BENTON, KY 42025

SITE ADDRESS:

COLE CEMETERY ROAD
BENTON, KY 42025

LEASED PREMISES:

10000 SQ. FT.

DEED BOOK-PAGE

DB 477 PG 501

PARCEL ID NUMBER:

28-00-00-059.02

COUNTY:

MARSHALL COUNTY

LATITUDE: 36°49'18.57" N

LONGITUDE: 88°24'39.72" W

DWG BY:

GVW

CHKD BY:

RMW

DATE:

1.3.25

NO.

REVISION/ISSUE

DATE:

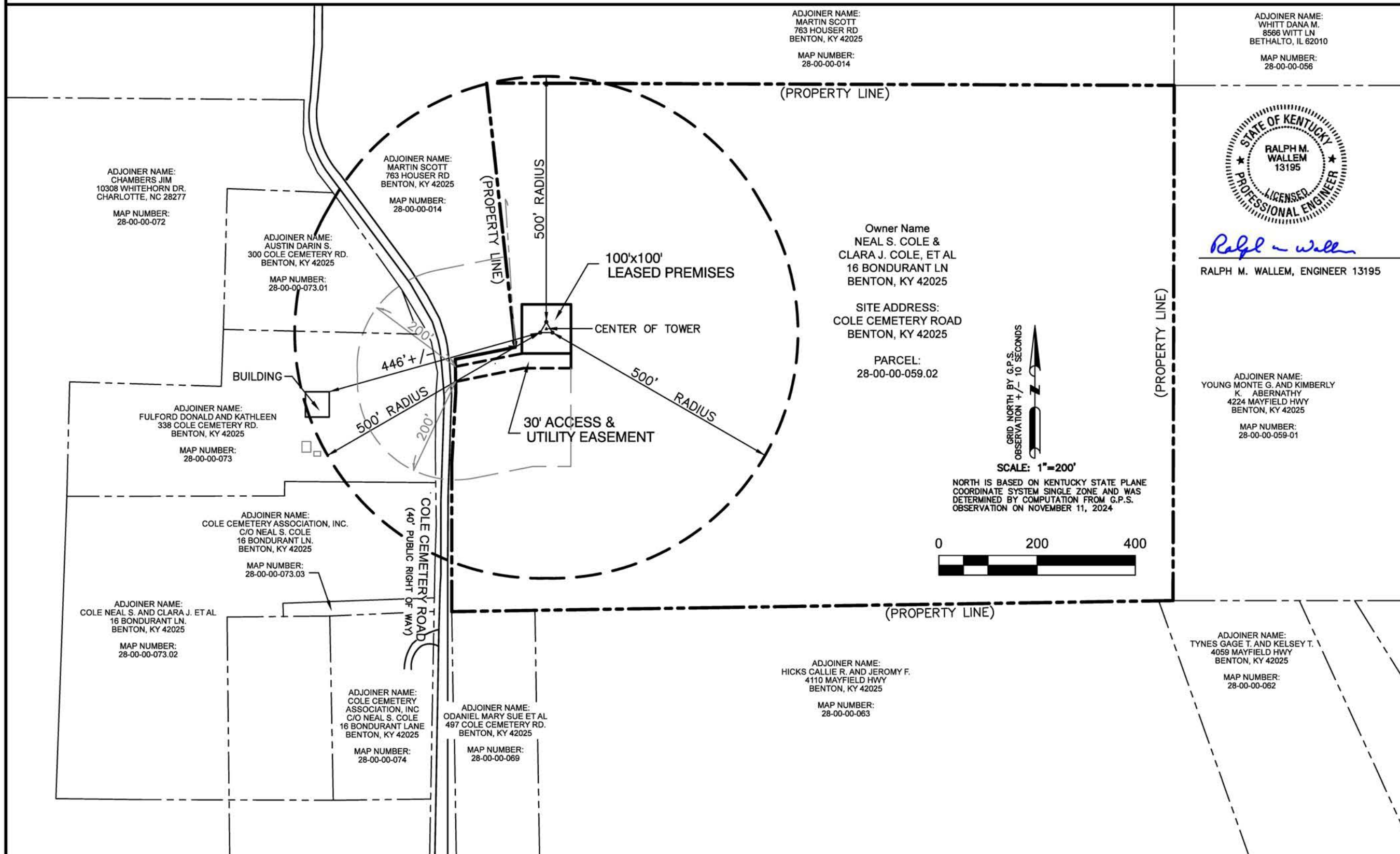
1.	REVIEW ITEM	2.13.25
2.	REVIEW ITEM	2.13.25
3.	S&S	6.12.25









TITLE:

500' RADIUS
& ADJOINER MAP

SHEET:

1 OF 1

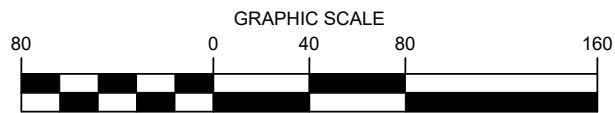


	PROPOSED CONSTRUCTION
	TEMPORARY SURVEY MARKINGS
	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
	GAS, OIL STEAM PETROLEUM OR GASEOUS MATERIALS
	COMMUNICATION, ALARM OR SIGNAL LINES, CABLES OR CONDUIT
	POTABLE WATER
	RECLAIMED WATER, IRRIGATION AND SLURRY LINES
	SEWERS AND DRAIN LINES

Drawing Name: O:\2025\20250505 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller

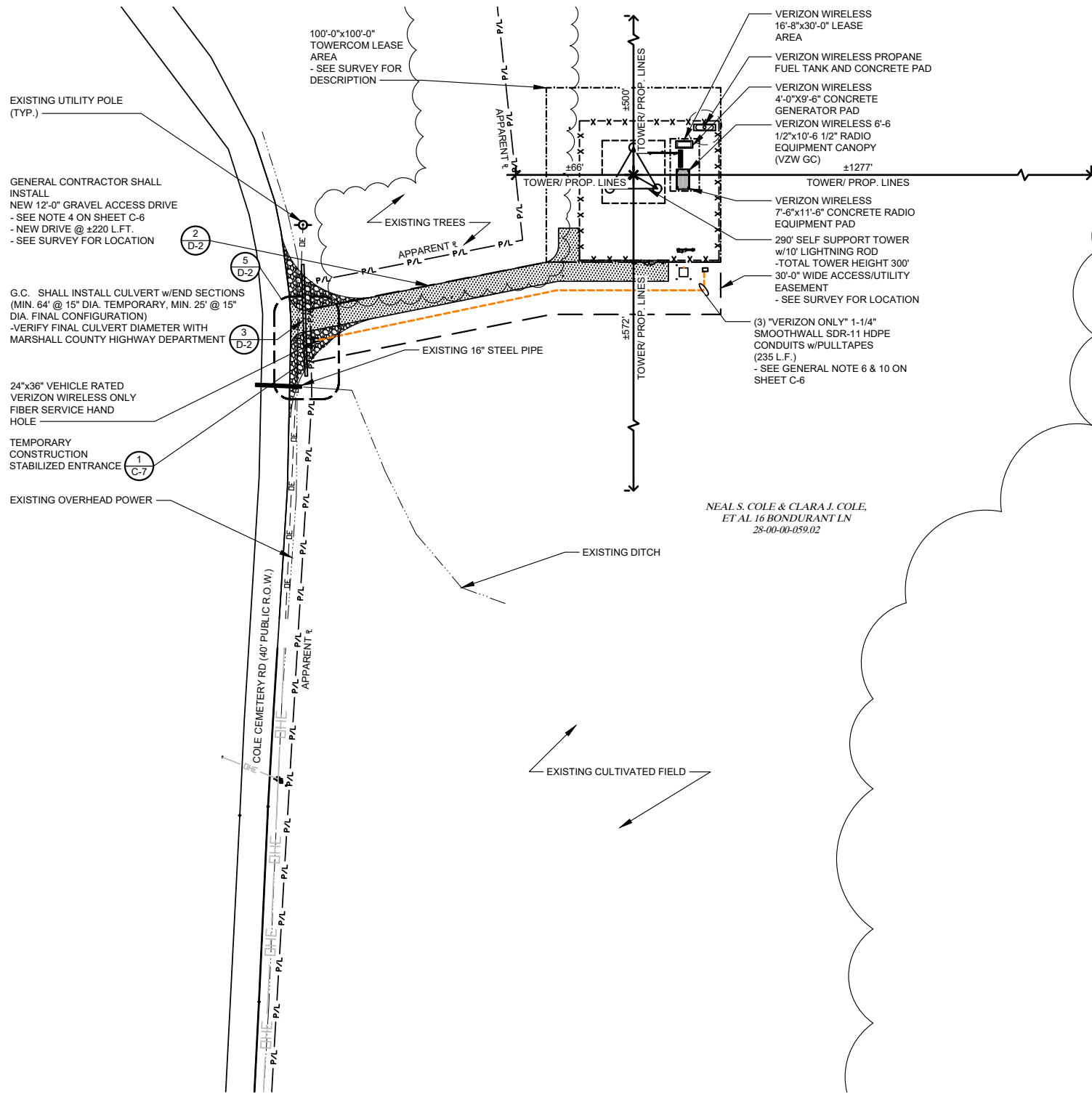


1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW
TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.



OVERALL SITE PLAN w/PAD DISTANCE TO PROPERTY LINES

SCALE: 1" = 80'



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DATE	DESCRIPTION
A	06/13/25	ISSUED FOR 90% REVIEW
B	01/18/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV. PER NEW RFS
D	04/04/25	REV. PER GEN. TYPE
E	06/16/25	REV. PER E-911
F	06/13/25	FOR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

OVERALL SITE PLAN
w/TOWER DISTANCE
TO PROPERTY LINES

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

C-1A

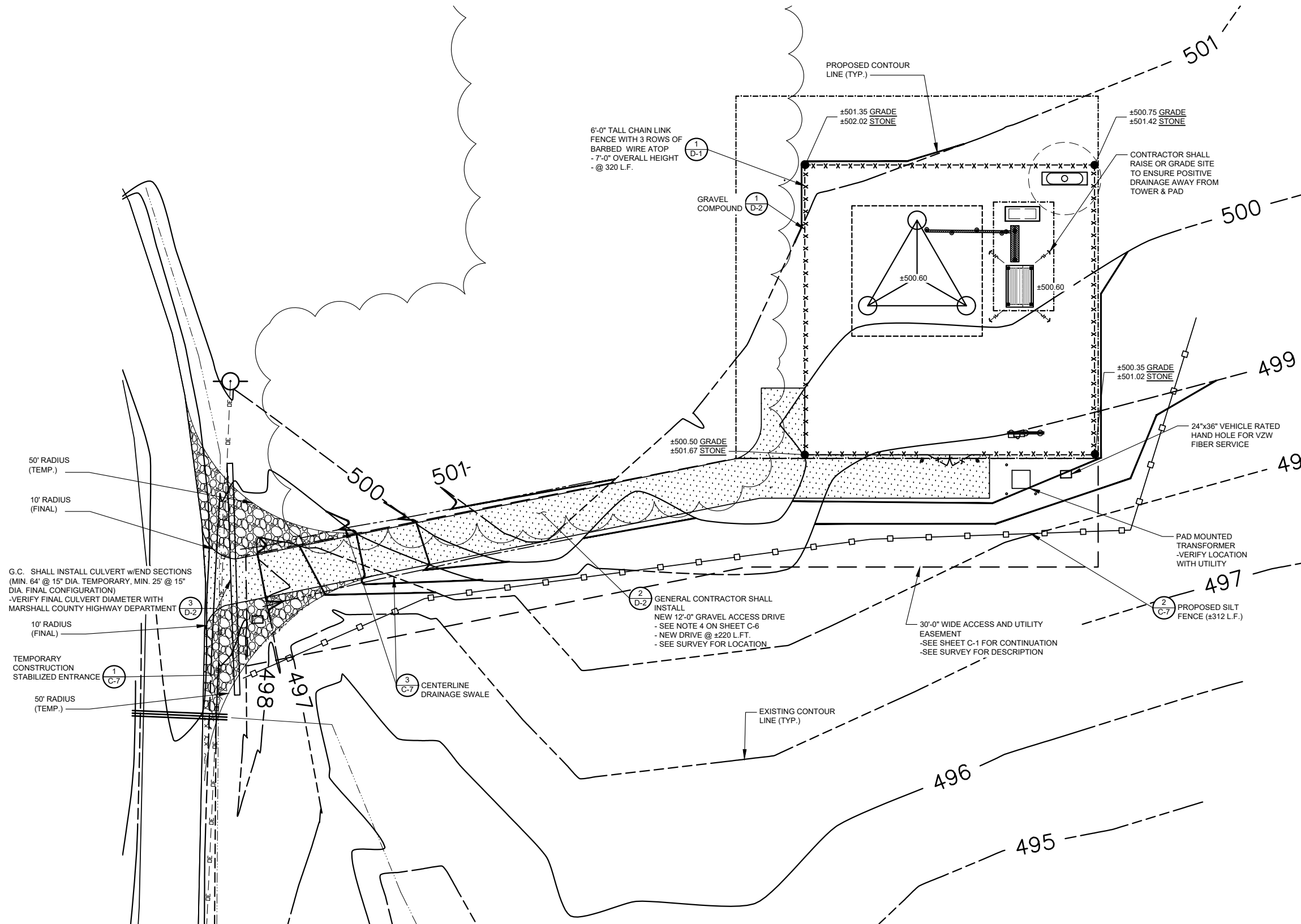
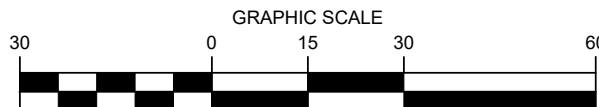
Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Cont'd_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - CMiller



1-800-752-6007
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WORKING DAYS BEFORE COMMENCING WORK.

GRADING AND E&S CONTROL PLAN

SCALE: 1" = 30'



REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV. PER NEW RDS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	06/13/25	REV. FOR ZONING

SCHEKS
29760
LICENSED PROFESSIONAL ENGINEER
Christopher J. Schecks
06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GRADING AND
E&S CONTROL PLAN

ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

C-2

Drawing Name: O:\2025\202570508 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller

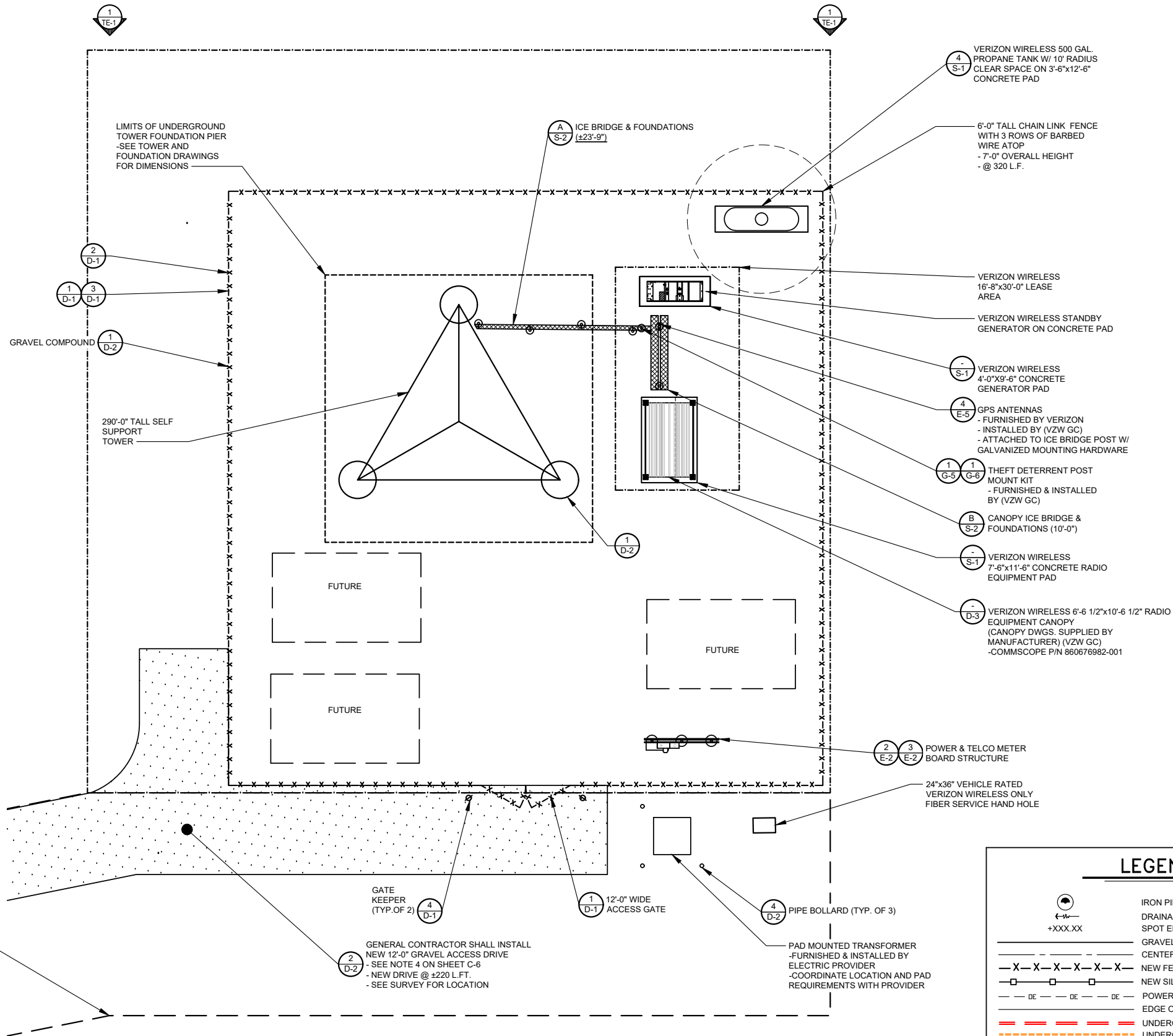


PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW
TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

*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

DETAILED SITE PLAN

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



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
	FENCED COMPOUND
	CONCRETE
	ACCESS DRIVE



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DESCRIPTION
REV. DATE
CH. A 10/26/24 ISSUED FOR 90% REVIEW
B 01/17/25 ISSUED FOR 90% REVIEW
C 02/24/25 REV. PER NEW RDS
D 04/01/25 REV. PER GEN. TYPE
E 06/06/25 REV. PER E-911
F 06/13/25 FOR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

DETAILED
SITE PLAN

ISSUED FOR:

REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

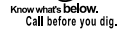
JOB NO.

2025705.05

C-3






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



KENTUCKY STATE LAW, IT IS AGAINST THE LAW
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WORKING DAYS BEFORE COMMENCING WORK.

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

	FENCED COMPOUND
	CONCRETE
	ACCESS DRIVE



SCHEKS
29760
LICENSED
PROFESSIONAL ENGINEER
Christopher J. Sch...
06/13/20

DIMENSIONED SITE PLAN

PROJECT MANAGER	DESIGNER
TTP	ACM

C-4

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025.dwg
June 13, 2025 8:48 AM - C.Miller



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



ON AIR, ON TIME
241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
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E	06/06/25	REV. PER E-911
F	06/13/25	FOR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

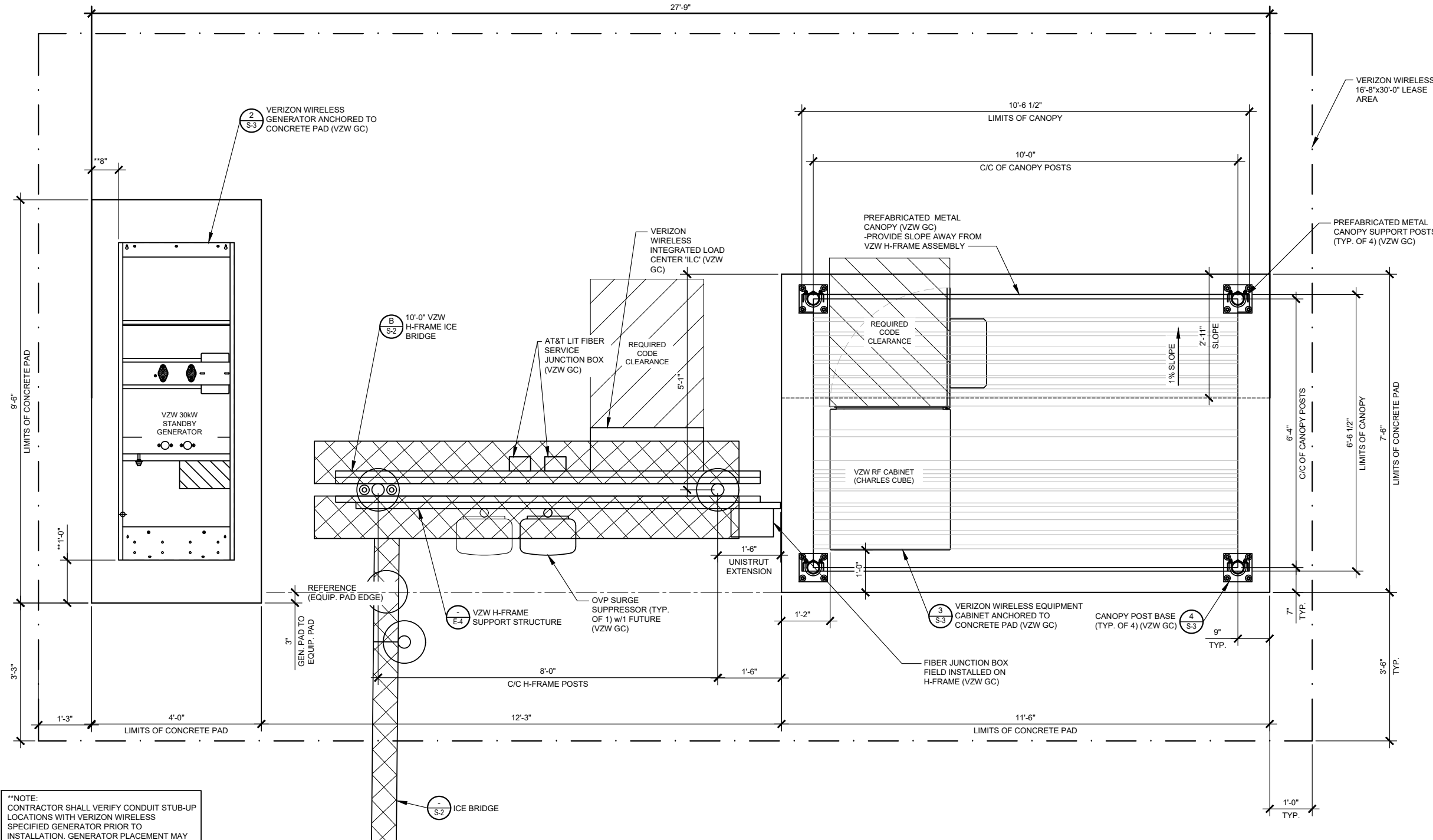
DETAILED EQUIPMENT
PAD PLAN

ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

C-5



***NOTE:
CONTRACTOR SHALL VERIFY CONDUIT STUB-UP
LOCATIONS WITH VERIZON WIRELESS
SPECIFIED GENERATOR PRIOR TO
INSTALLATION. GENERATOR PLACEMENT MAY
VARY PER CONDUIT STUB-UP LOCATIONS

DETAILED VZW EQUIPMENT PLAN

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



Know what's below.
Call before you dig.

Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007

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UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

*NOTE:
GENERAL CONTRACTOR IS TO ENSURE
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PROPERTY, SOIL, ETC. OUTSIDE OF THE
STAKED LEASE AREA WITHOUT
APPROVAL FROM VERIZON WIRELESS
CONSTRUCTION MANAGER

Drawing Name: C:\12025\2025705\008 EV Equine Hospital Tower Comt4_AE01_Dwg1_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025.dwg
June 13, 2025 8:48 AM - C:Miller

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:

TOWERCOM
241 ATLANTIC BLVD, STE. 201
NEPTUNE BEACH, FL 32266
CONTACT: JINAY VASCOCU
PHONE: 678-525-2576
E-MAIL:
JVASCOCU@TOWERCOMENTERPRISES.COM

PROPERTY OWNER REPRESENTATIVE:

NEAL S COLE
16 BONDURANT LANE
BENTON, KY 42025
CONTACT: NEAL S COLE
PHONE: 270-205-6466
E-MAIL: NJCOLE@BELLSOUTH.NET

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 THIS 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 CANOPY 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 ACCESSORY OR 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 THEN RUN UNDERGROUND CONDUIT FROM THE NEW TRANSFORMER TO THE NEW UTILITY POLE. CONTACT ----- @ ###-###-####, WITH ???????? BEFORE BEGINNING CONSTRUCTION TO VERIFY LOCATION OF CONDUIT AND TRANSFORMER. CONDUITS MUST HAVE A MINIMUM DEPTH OF 36". CONTRACTOR SHALL CONTACT ELECTRIC PROVIDER TO HAVE TRENCH AND CONDUIT INSPECTED BEFORE THE TRENCH IS COVERED, THE ELECTRIC PROVIDER SHALL SUPPLY SERVICE TO THE NEW METER BOARD STRUCTURE. THE CONTRACTOR SHALL CONTACT ----- 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.

- (3) 1-1/4" SMOOTHWALL SDR-11 HDPE CONDUITS AND PULLTAPES SHALL BE INSTALLED FROM HANDHOLE OUTSIDE COMPOUND TO 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 QUAZITE/HUBBELL POWER SYSTEMS MODEL PG2436Z1857B4 ASSY T22 SW OB 24x36x30 VERIZON V, OR APPROVED EQUALS. ALTERNATIVE HANDHOLES MAY BE USED IF MEETING THE DESIGNATED LOADING AND HAVING DIMENSIONS OF AT LEAST 2x3'x2.5'. ALL VERIZON HANDHOLES TO HAVE "VERIZON" LOGO ON COVER.
 - THE GENERAL USE FIBER CONDUIT HANDHOLE SHALL BE A MODEL AS APPROVED BY THE CONSTRUCTION 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)
- (2) 1-1/4" SMOOTHWALL SDR-11 HDPE CONDUITS w/PULLTAPES SHALL BE INSTALLED FROM VERIZON WIRELESS ONLY HANDHOLE OUTSIDE COMPOUND TO VERIZON WIRELESS EQUIPMENT PAD LOCATION (PER PLANS)

ELECTRIC SERVICE PROVIDED BY:

WEST KY RURAL ELECTRIC COOPERATIVE CORP
ADDRESS: 1218 WEST BROADWAY PO BOX 589
MAYFIELD, KY 42066
CONTACT: SERVICE INSTALLATION
PHONE: (877) 495-7322
EMAIL: TBD

FIBER OPTIC SERVICE PROVIDED BY:

FIBER PROVIDER TO BE DETERMINED
BY VERIZON WIRELESS

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 (MIRAFI 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. TRASH SHALL BE REMOVED FROM THE SITE IN A TIMELY FASHION TO A LEGAL DISPOSAL 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 1-800-382-5544 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 A&E FIRM BY SURVEYING FIRM. A&E 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, AND SUBMIT SAME TO THE ENGINEER WITHIN 7 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, 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 TAILGATE 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.

D. ALL ANCHORS, CONNECTORS, CLAMPS, TIE WRAPS, ETC. WHEN FIELD CUT SHALL BE DONE SO WITH APPROVED CUTTING TOOLS TO REMOVE ALL SHARP EDGES AND BURRS.

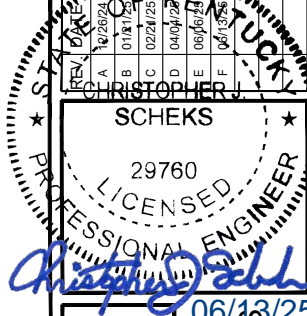


520 South Main Street, Suite 2531
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330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV PER NEW RDS
D	04/04/25	REV PER GEN. TYPE
E	06/16/25	REV PER E-911
F	06/16/25	REV OR ZONING



EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GENERAL SITE
CONSTRUCTION NOTES

ISSUED FOR:

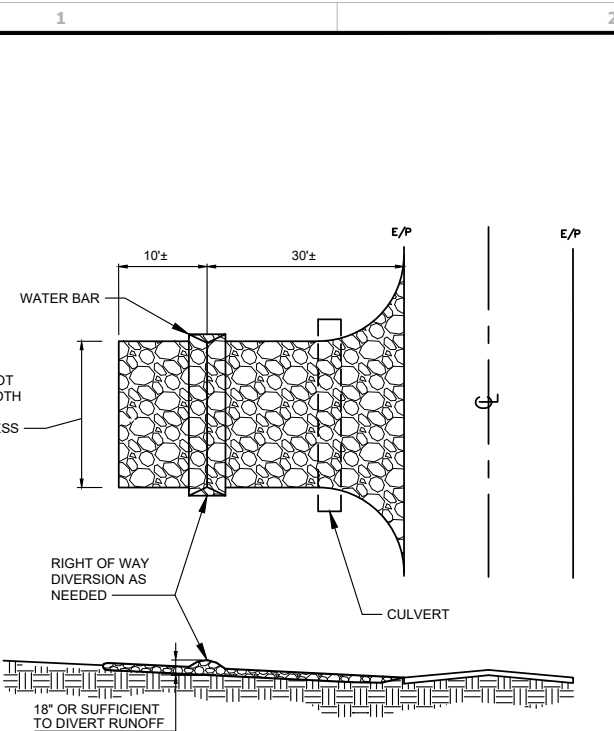
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

C-6

Drawing Name: O:\2025\2025705\08 EV Equine Hospital Tower Cont'd_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller



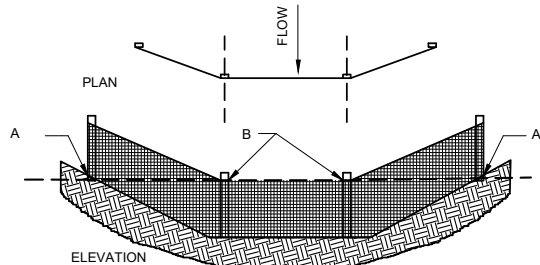
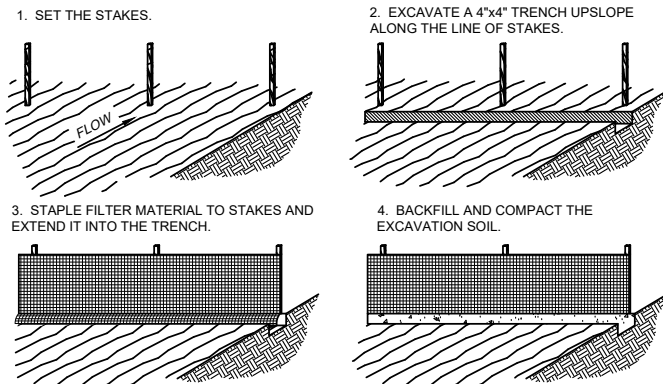
NOTES:

- STONE SIZE - TWO INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
- PAVEMENT THICKNESS - STONE LAYER SHALL BE AT LEAST 6" THICK.
- DRIVEWAY WIDTH - THE ENTRANCE SHALL BE AT LEAST 10' WIDE, BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS/EGRESS OCCURS.
- 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.
- 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.
- 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.
- 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.
- CONSTRUCTIONS ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

SCALE: N.T.S.

1
C-7

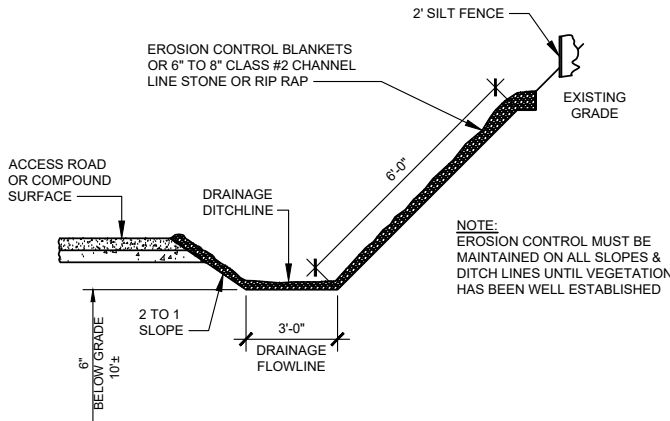


POINTS A SHOULD BE HIGHER THAN POINT B

SILT FENCE DETAIL

SCALE: N.T.S.

2
C-7



NOTES:

- 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 SLOPES SURFACES TO REDUCE EROSION.
- ALL FLOWLINES MUST BE INSTALLED BELOW SUB-GRADE OF COMPOUND. (AT MINIMUM OF 6" BELOW)

DRAINAGE DITCHLINE DETAIL (SWALE)

SCALE: N.T.S.

3
C-7

EROSION & SEDIMENT CONTROL NOTES

- ALL WORK SPECIFIED AS A/IAN DOT ITEM SHALL BE GOVERNED BY THE STATE OF INDIANA OF DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATION HANDBOOK. IT IS CONTRACTORS RESPONSIBILITY TO POSSESS AND BE FAMILIAR WITH APPLICABLE SECTIONS.
- 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.
- ALL STORM WATER POLLUTION PREVENTION ITEMS SHALL BE INSTALLED AS SHOWN OR NOTED ON THIS SHEET.
- 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.

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDINGS			A									
DORMANT SEEDINGS	B									B		
TEMPORARY SEEDINGS			C		D							
SODDING			E**									
MULCHING	F											

A. KENTUCKY BLUEGRASS 90 LBS./AC/MIXED PERENNIAL RYEGRASS 30 LBS./ACRE

B. KENTUCKY BLUEGRASS 135 LBS./AC/MIXED PERENNIAL RYEGRASS 45 LBS./AC. 2 TON STRAW MULCH PER ACRE

C. SPRING OATS 100 LBS./ACRE
D. WHEAT OR CEREAL RYE 150 LBS./ACRE
E. SOD (NURSERY CROWN KENTUCKY BLUEGRASS) 150 LBS./ACRE

F. STRAW MULCH 2 TONS PER ACRE

* IRRIGATION NEEDED DURING JUNE, JULY & SEPTEMBER

** IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SODDING

- PERMANENT VEGETATION SHALL BE INSTALLED WITHIN 10 DAYS AT THE COMPLETION OF ANY GRADED AREAS, WEATHER PERMITTING. ALL PERMANENT VEGETATION SHALL CONSIST OF PLANTING AND SOD
- AT SUCH TIME ROUGH GRADING OF THE SITE IS COMPLETE AND DRAINAGE DIVERTS TO INLETS, INLET SEDIMENT FILTERS SHALL BE INSTALLED AT ALL INLET STRUCTURES TO KEEP PIPING SYSTEMS FREE OF SILTATION.
- SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING OR NEW STORM INLETS, CATCH BASINS, AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS SHOWN ON THESE PLANS AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT FENCES SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- TEMPORARY SEDIMENTATION AND STORM WATER POLLUTION PREVENTION MEASURES MUST BE INSPECTED AND LOGGED BY THE CONTRACTOR FOR INSPECTION, LOGGING SHALL BE WEEKLY AND AFTER RAIN STORMS.
- UTILITY COMPANIES MUST COMPLY WITH ALL STORM WATER POLLUTION PREVENTION MEASURES AS DEFINED ON THE STORM WATER PREVENTION PLANS, DETAILS AND NOTES.
- THE TOTAL AREA OF DISTURBANCE FOR THIS PROJECT IS APPROXIMATELY 0.96 ACRES.
- ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION AS SHOWN ON PLANS.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENTATION AND STORM WATER POLLUTION PREVENTION ITEMS AT ALL TIMES.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES WILL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- THE FOLLOWING STORM WATER POLLUTION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE USED ON THIS SITE:
 - SILT BARRIERS
 - SILT FENCE
 - CONSTRUCTION ENTRANCE
 - EROSION CONTROL SEED BLANKETS - SPEC FOR TEMPORARY EROSION CONTROL BLANKETS ON SLOPES/DITCHES

CONSTRUCTION SEQUENCE

- STAKE AND/OR FLAG LIMITS OF CLEARING
- DURING PRE-CONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED.
- CLEARING & GRUBBING, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALL SILT FENCE PERIMETER CONTROLS AS SHOWN ON PLANS.
- INSTALL CONSTRUCTION ENTRANCE, IF CONDITIONS ARE SUCH THAT MUD IS COLLECTION ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD INTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- CLEARING & GRUBBING THE REMAINING SITE AS NECESSARY.
- BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- CONSTRUCT AND MAINTAIN TEMPORARY DRAINAGE SWALES DURING FILLING AND GRADING ACTIVITIES.
- CONSTRUCT SITE WORK INCLUDING STORM DRAINAGE FACILITIES.
- MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED.
- REMOVE SEDIMENT CONTROLS.



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DESCRIPTION

ISSUED FOR 90% REVIEW

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Drawing Name: O:\2025\202570508 EV Equine Hospital Tower Cont4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller

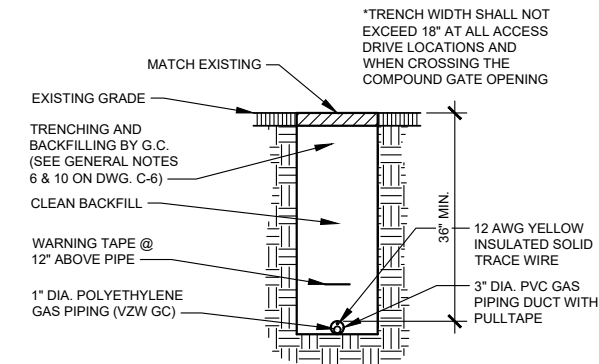
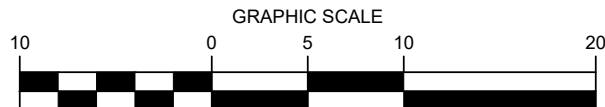


UNDERGROUND GAS PIPING PLAN AND NOTES

SCALE: 1" = 10'

PROPANE GAS NOTES

1. THE TOWER OWNER CONTRACTOR SHALL RUN A GAS TRENCH WITH (1) 3" DIA. PVC DUCT w/PULLTAPE FROM THE NEW STANDBY GENERATOR TO THE NEW PROPOANE GAS TANK LOCATION. THE TOWER OWNER CONTRACTOR SHALL FURNISH & INSTALL PVC END CAPS. ALL DUCT ELBOWS SHALL BE 24" RADIUS MINIMUM.
2. THE VZW CONTRACTOR SHALL FURNISH & INSTALL (1) 1" POLYETHYLENE GAS LINE INSIDE TOWER OWNER INSTALLED 3" DIA. PVC DUCT FROM THE NEW STANDBY GENERATOR TO THE NEW PROPANE GAS TANK LOCATION. THE VZW CONTRACTOR SHALL DRILL THE CAPS SLIGHTLY OVERSIZED FOR THE GAS PIPE, ON EACH END OF THE DUCT. FULLY SEAT THE END CAPS (DRY FIT) OVER THE PIPING. PROVIDE SILICONE SEALANT AT BOTH PIPE PENETRATION. THE VZW CONTRACTOR SHALL FURNISH & INSTALL ANODELESS PREFABRICATED METAL GAS RISER AT THE METER LOCATION AND THE GENERATOR ENTRANCE LOCATION. THE VZW CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS SERVICE PROVIDER TO PROVIDE A COMPLETE WORKING SERVICE.
3. THE VZW CONTRACTOR SHALL FURNISH AND INSTALL A NEW VZW SECONDARY GAS REGULATOR AT THE TERMINUS OF THE PREFABRICATED METAL GAS RISER. THE VZW REGULATOR SHALL BE INSTALLED SUCH THAT THERE WILL BE 10' MIN. PIPE LENGTH FROM THE VZW REGULATOR TO THE GENERATOR CONNECTION POINT. THE PREFERRED REGULATOR MANUFACTURERS ARE EMERSON/FISCHER (1-800-558-5853) AND MAXITROL (1-248-356-1400). THE VZW CONTRACTOR SHALL CONTACT A PREFERRED MANUFACTURER AFTER MEETING WITH THE GAS UTILITY TO COORDINATE THE PROPERLY ASSEMBLED REGULATOR IS INSTALLED.
4. THE GAS SERVICE PROVIDER SHALL FURNISH & INSTALL THE NEW PROPANE GAS TANK/REGULATOR. THE GAS SERVICE PROVIDER SHALL BE RESPONSIBLE FOR DELIVERY AND TANK PLACEMENT. THE GAS SERVICE PROVIDER WILL FURNISH AND INSTALL THE PRIMARY REGULATOR AND THE TANK. CONTACT ----- THREE TO FOUR WEEKS PRIOR TO CONSTRUCTION.



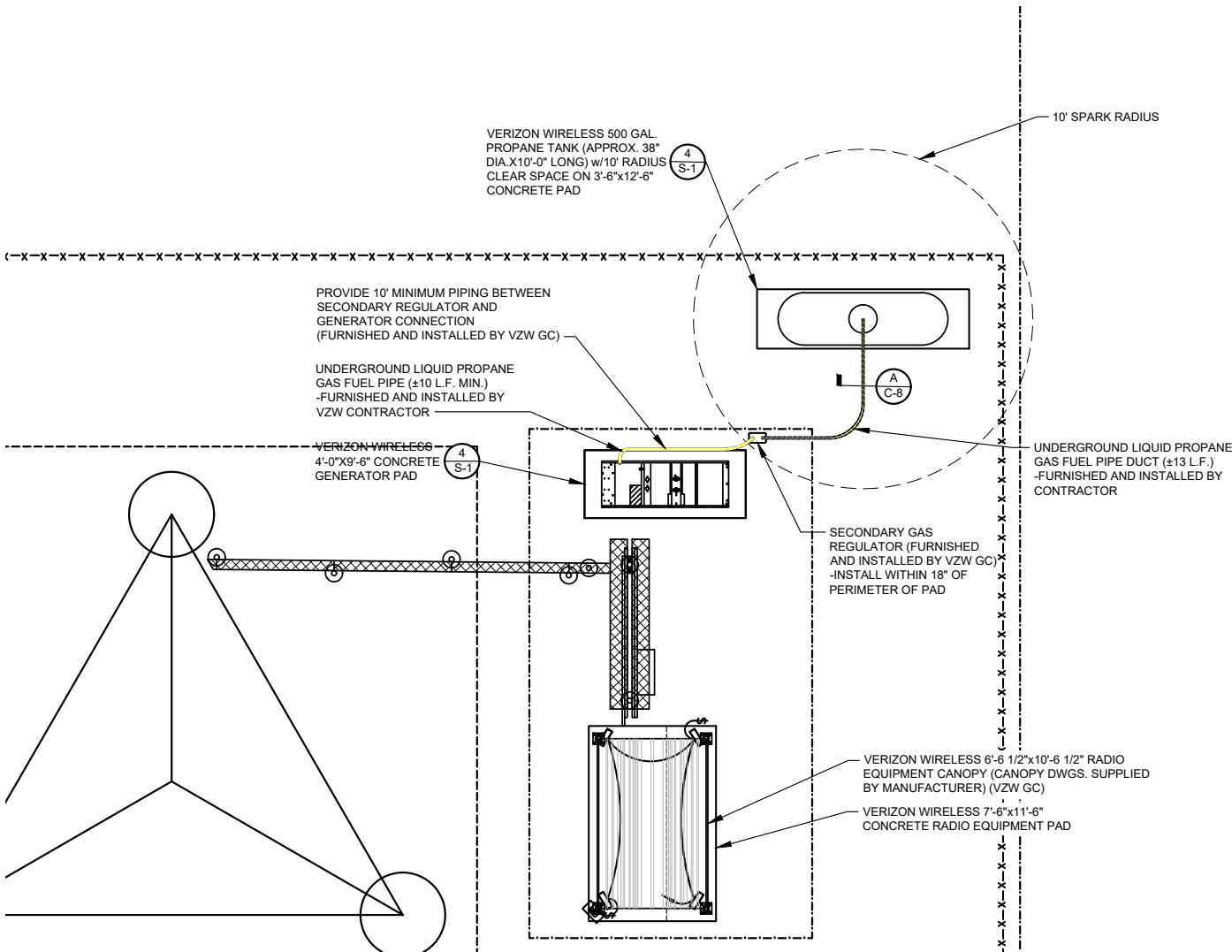
GAS LINE TRENCH SECTION DETAIL

SCALE: N.T.S.

A
C-8

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
	FENCED COMPOUND
	CONCRETE
	ACCESS DRIVE

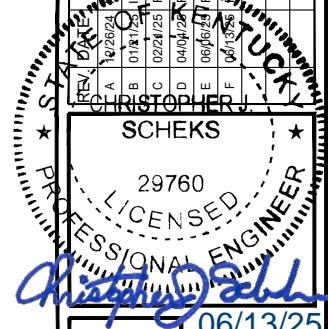


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241 ATLANTIC BLVD, STE 201
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REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV. PER NEW RFS
D	04/04/25	REV. PER GEN. TYPE
E	06/16/25	REV. PER E-911
F	06/13/25	FOR ZONING



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UNDERGROUND GAS PIPING PLAN AND NOTES

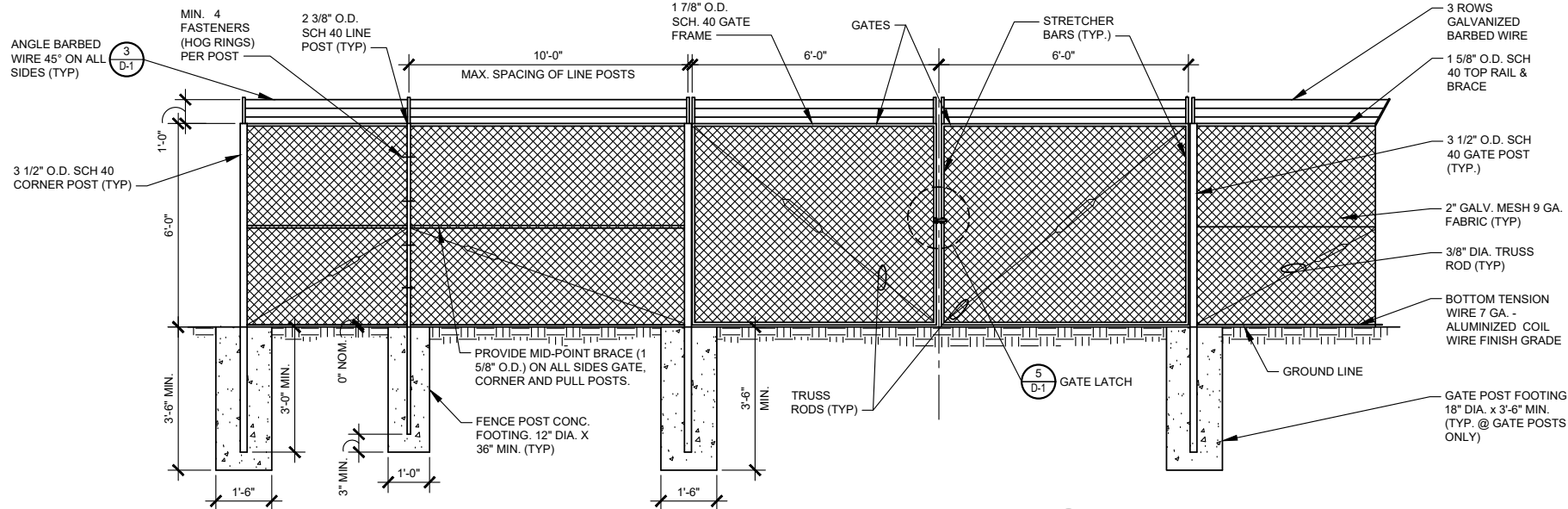
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REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

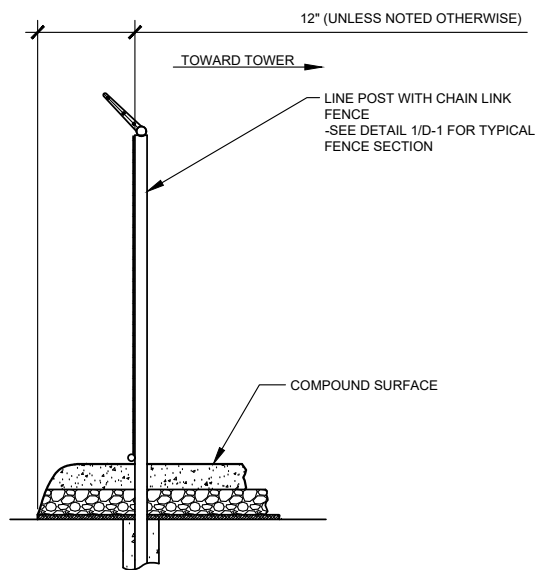
C-8

Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025.dwg
June 13, 2025 8:48 AM - C.Miller



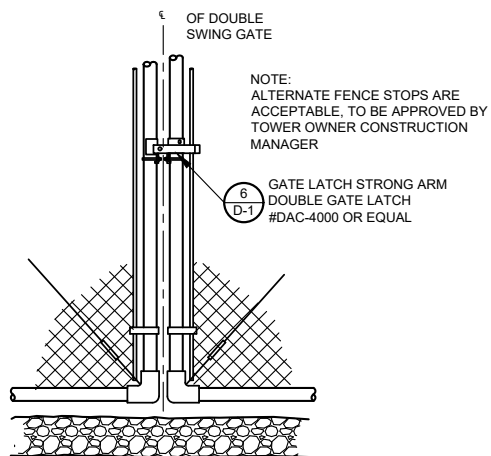
CHAIN LINK FENCE & POST DETAIL 1 D-1

SCALE: N.T.S.



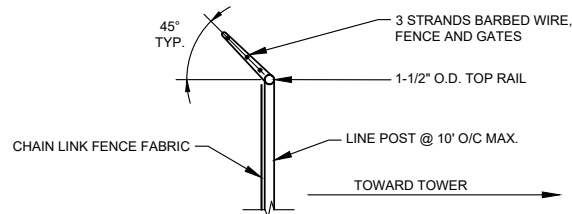
SITE AREA SURFACING 2 D-1

SCALE: N.T.S.



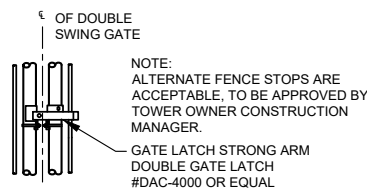
GATE LATCH DETAIL 5 D-1

SCALE: N.T.S.



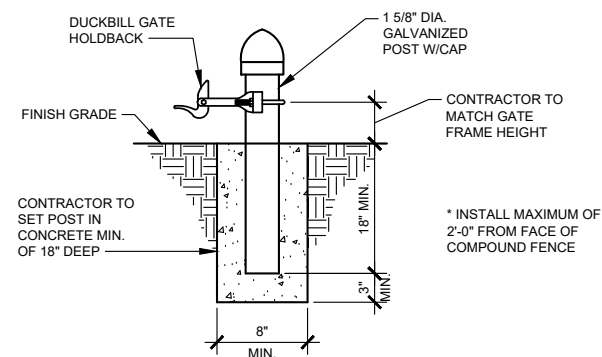
TYPICAL BARBED WIRE DETAIL 3 D-1

SCALE: N.T.S.



GATE LATCH DETAIL 6 D-1

SCALE: N.T.S.



GATE KEEPER DETAIL 4 D-1

SCALE: N.T.S.

CHAIN LINK FENCING NOTES

1. 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.
2. BOTTOM EDGE OF FENCE FABRIC SHALL EXTEND TO FINISHED GRADE.
3. SITE FENCE SHALL BE 6'-0" FABRIC W/ 3 STRAND BARBED WIRE FOR TOTAL HEIGHT OF 7'-0".
4. BARBED WIRE SHALL MEET ASTM A 121, CLASS 3 GALV. OR ASTM A 585, TYPE I, CLASS 2 COATING (NOT LESS THAN 0.8 OZ. PER SQ. FT.) AND SHALL BE THREE STRAND 12.5 GAGE W/4 POINT BARBS AT 5" O/C.
5. 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 8", PROVIDE CONCRETE WITH A 28 DAY STRENGTH OF 3000 PSI (MIN.)
6. PROVIDE A DIAGONAL BRACE ROD AND TURN BUCKLE ON BOTH GATE LEAFS.
7. 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.
8. CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
9. ALL FENCE SHALL BE FABRICATED AND INSTALLED PER ASTM F2611-15, ASTM F567-14a AND CHAIN LINK FENCE MANUFACTURES INSTITUTE CLFMI-PM 2445.
10. CONTRACTOR SHALL FURNISH AND INSTALL ONE (1) MASTER LOCK LONG SHANK #175LH COMBINATION PADLOCK. COMBINATION TO BE SET AT 7011.



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241 ATLANTIC BLVD, STE 201
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DESCRIPTION

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A

10/26/24

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B

01/17/25

ISSUED FOR 90% REVIEW

C

02/24/25

REV. PER NEW RDS

D

04/04/25

REV. PER GEN. TYPE

E

06/16/25

REV. PER E-911

F

06/16/25

REV. PER ZONING

G

06/16/25

REV. PER ZONING

H

06/16/25

REV. PER ZONING

I

06/16/25

REV. PER ZONING

J

06/16/25

REV. PER ZONING

K

06/16/25

REV. PER ZONING

L

06/16/25

REV. PER ZONING

M

06/16/25

REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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06/16/25

REV. PER ZONING

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06/16/25

REV. PER ZONING

AK

06/16/25

REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

BV

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REV. PER ZONING

BW

06/16/25

REV. PER ZONING

BX

06/16/25

REV. PER ZONING

BY

06/16/25

REV. PER ZONING

BZ

06/16/25

REV. PER ZONING

CA

06/16/25

REV. PER ZONING

CB

06/16/25

REV. PER ZONING

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REV. PER ZONING

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REV. PER ZONING

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06/16/25

REV. PER ZONING

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06/16/25

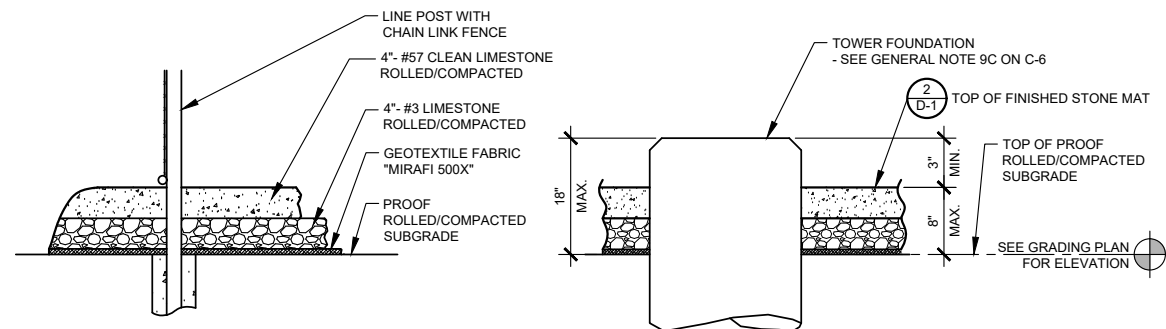
REV. PER ZONING

CJ

06/16/25

REV. PER ZONING

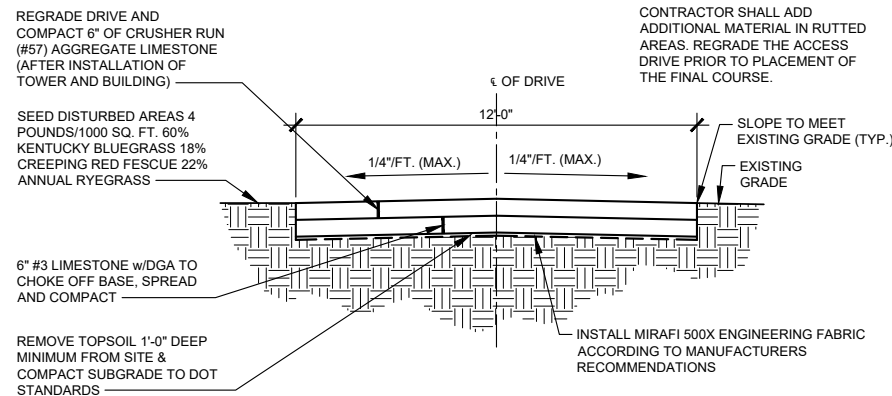
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06.13.2025 dwg
June 13, 2025 8:48 AM - CMiller



PARTIAL COMPOUND SECTION

SCALE: N.T.S.

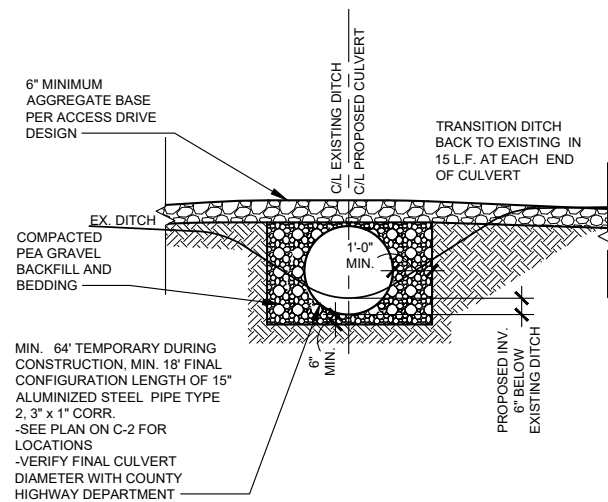
1
D-2



ACCESS DRIVE TYPICAL SECTION

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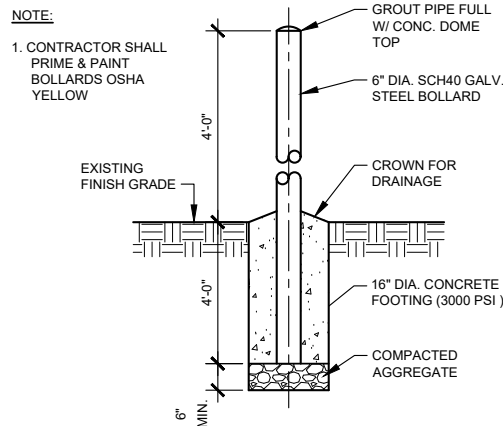
2
D-2



CULVERT DETAIL

SCALE: N.T.S.

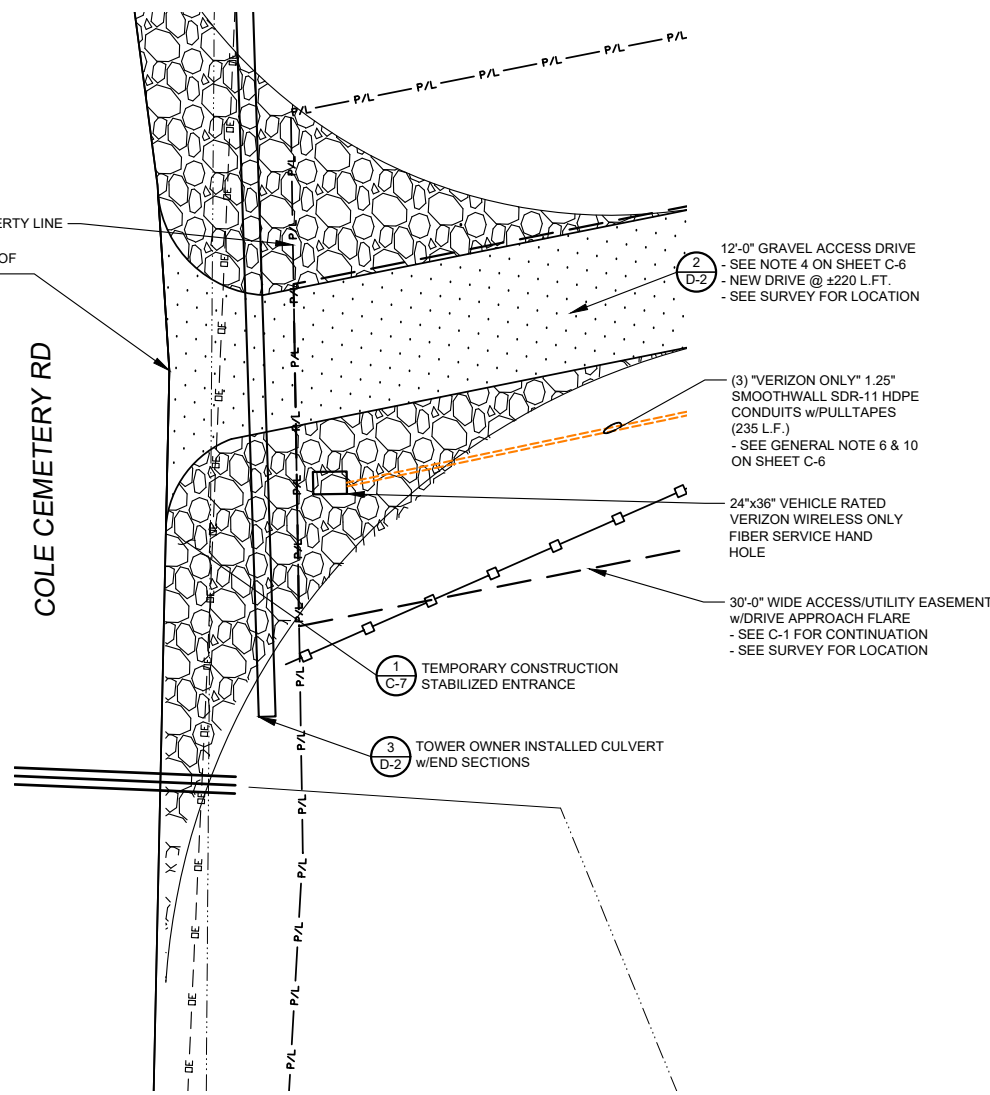
3
D-2



BOLLARD DETAIL

SCALE: N.T.S.

4
D-2



ENLARGED FIBER HAND HOLE PLAN AT R.O.W.

SCALE: 3/32" = 1'-0"

5
D-2

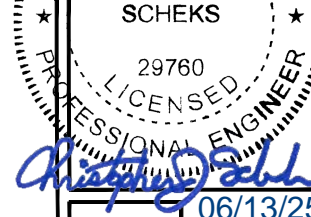


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E	06/16/25	REV PER E-911
F	06/13/25	FOR ZONING



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BENTON, KY 42025

SITE DETAILS

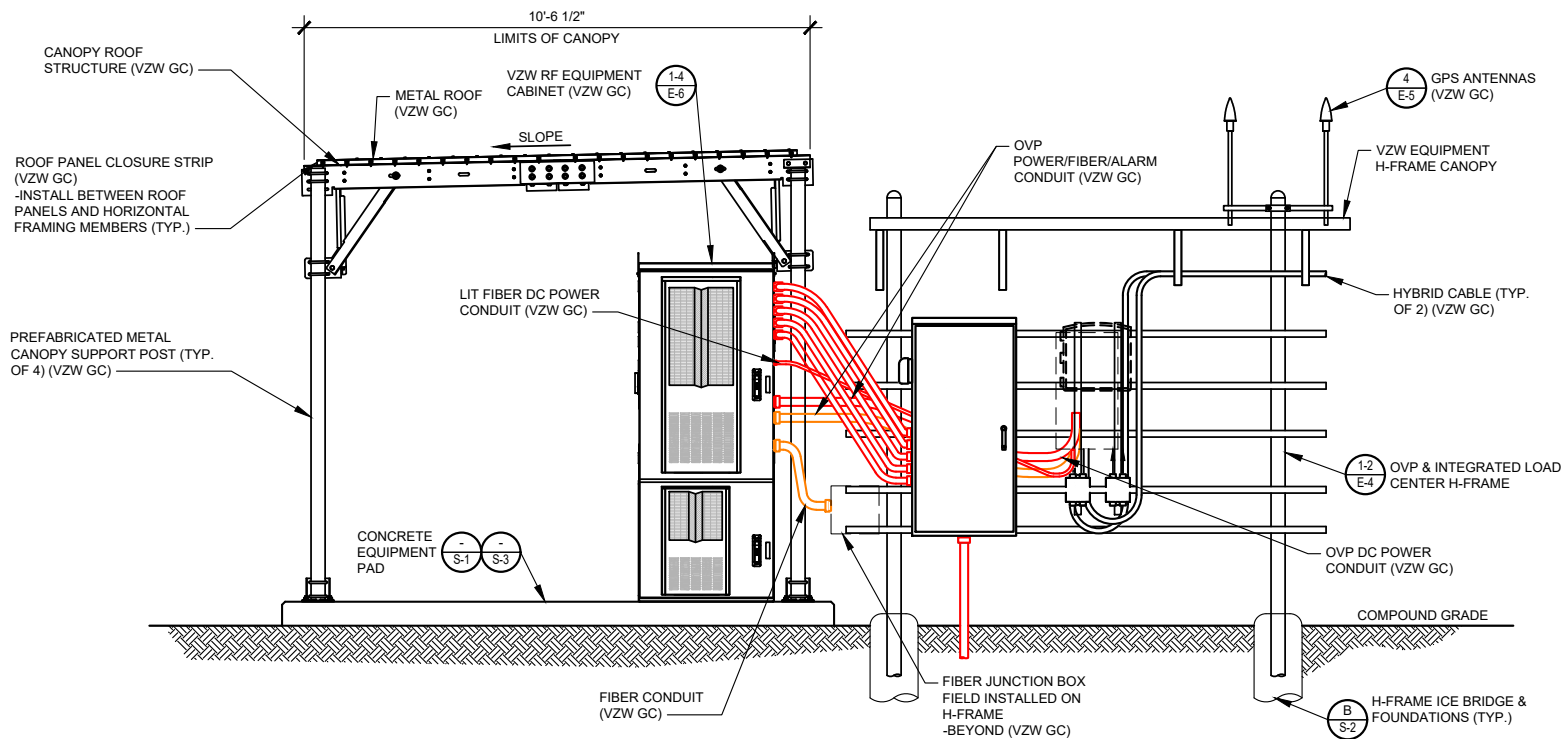
ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

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D-2

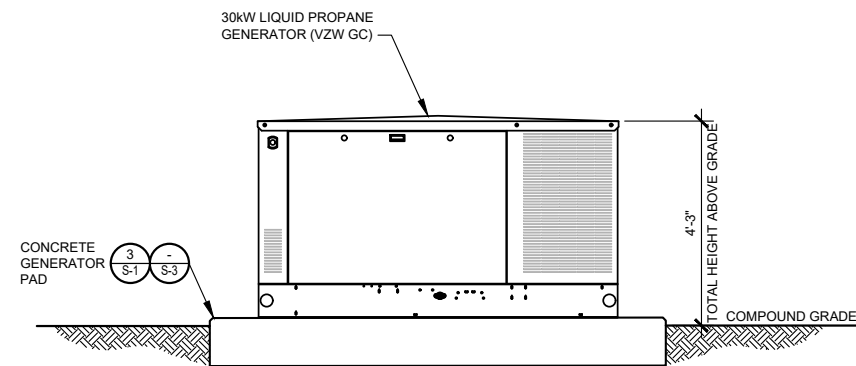
Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Comt4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller



NOTE:
VERIZON WIRELESS 6'-6"x10'-6" RADIO EQUIPMENT CANOPY (CANOPY DWGS. SUPPLIED BY MANUFACTURER) (VZW GC)
-COMMSCOPE P/N 860676982-001

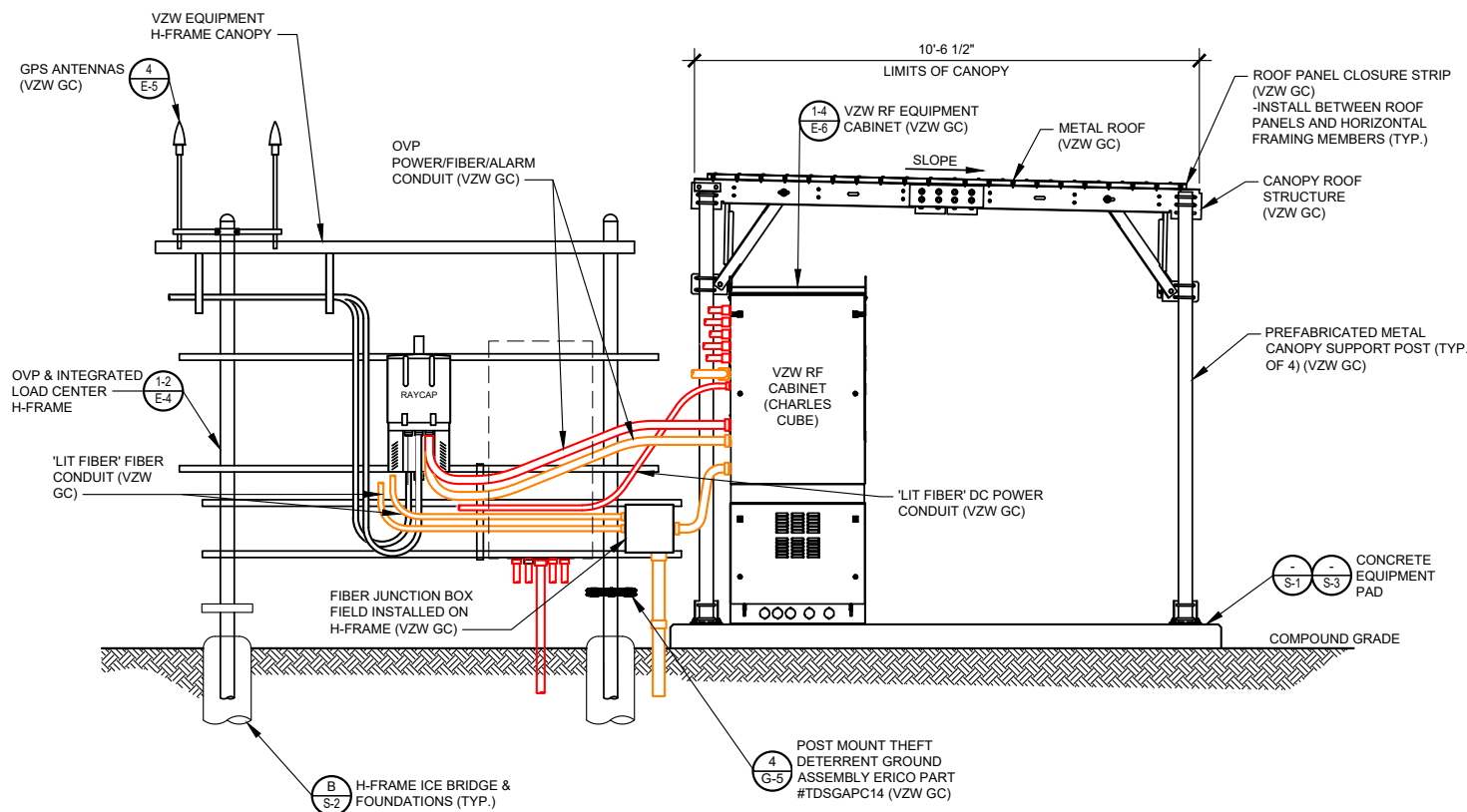
FRONT ELEVATION

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



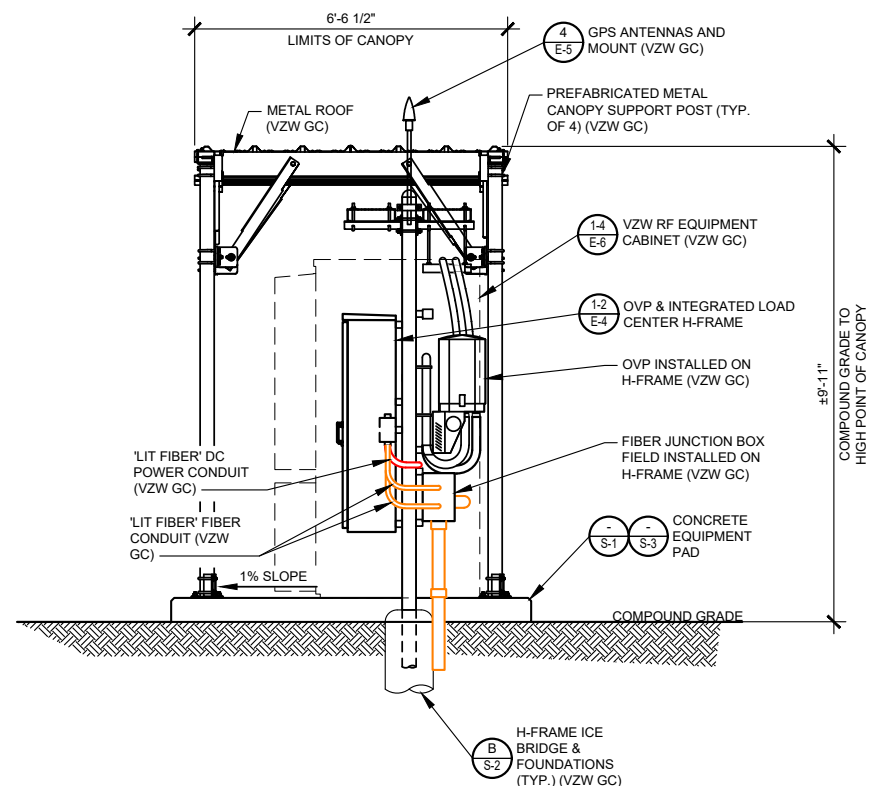
GENERATOR ELEVATION

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



REAR ELEVATION

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



RIGHT ELEVATION

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

NOTE:

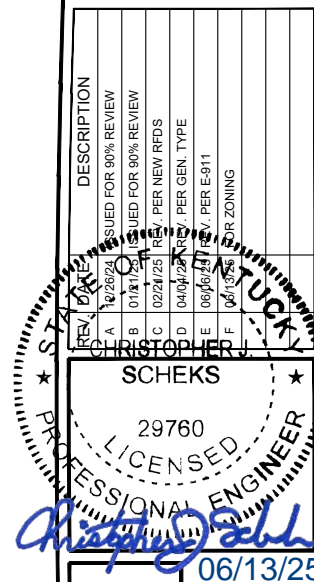
CANOPY ROOF PANELS PROFILE R/PBR. PROVIDE 1.7lb DENSITY POLYETHYLENE FOAM PANEL CLOSURE STRIPS TO MATCH PROFILE. AS MANUFACTURED BY: SEALTITE BUILDING FASTENERS "ST CLOSURE" STRIPS OR EQUAL (VERIFY PROFILE WITH ROOF PANELS SUPPLIED WITH CANOPY)



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241 ATLANTIC BLVD, STE 201
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EQUIPMENT PAD &
CANOPY ELEVATIONS

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PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

D-3

Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C.Miller

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)	
C3	• COMBINATION WARNING (SEE NOTE 2)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES (SEE FIGURE 1)
C4	• COMBINATION WARNING (SEE NOTE 2)	
C5	• S.D.S.	INSIDE FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES

-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.



FRONT



REAR

FIGURE 1 - EQUIPMENT CABINET SIGNAGE

PROPANE GENERATOR

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



FIGURE 7 - PROPANE TANK & GENERATOR SIGNAGE



REV.	DATE	DESCRIPTION
A	12/28/24	ISSUED FOR 90% REVIEW
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C	02/21/25	REV. PER NEW RDS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	06/13/25	FOR ZONING

REFERENCE ONLY

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025
VERIZON WIRELESS
SIGNAGE
(REFERENCE ONLY)

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

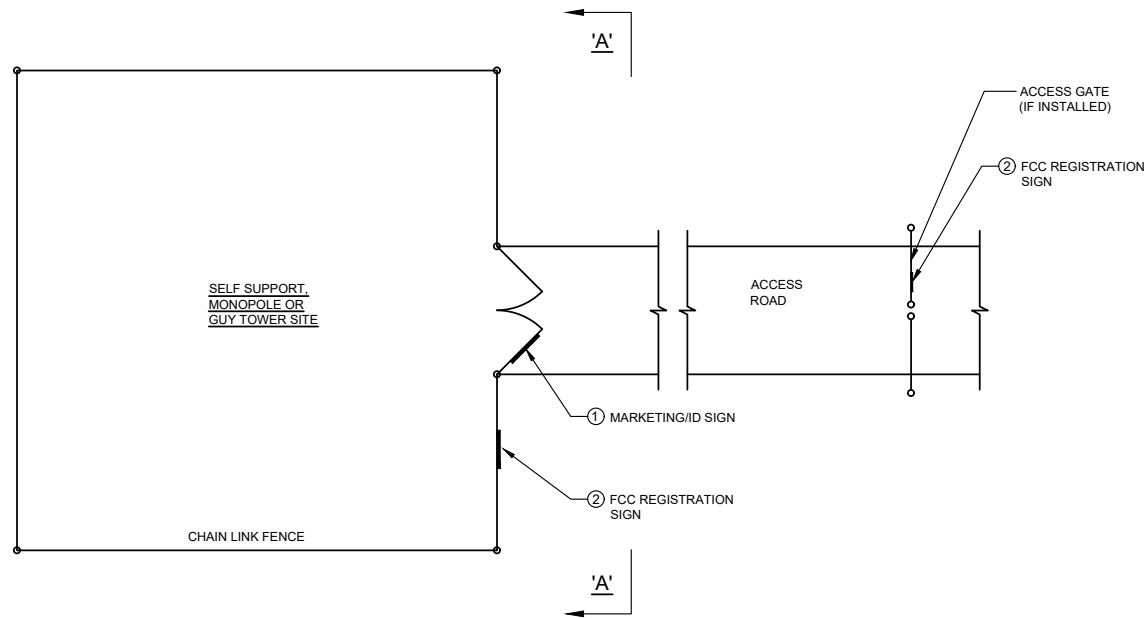
JOB NO.
2025705.05

D-4

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06.13.2025.dwg
June 13, 2025 8:48 AM - CMiller

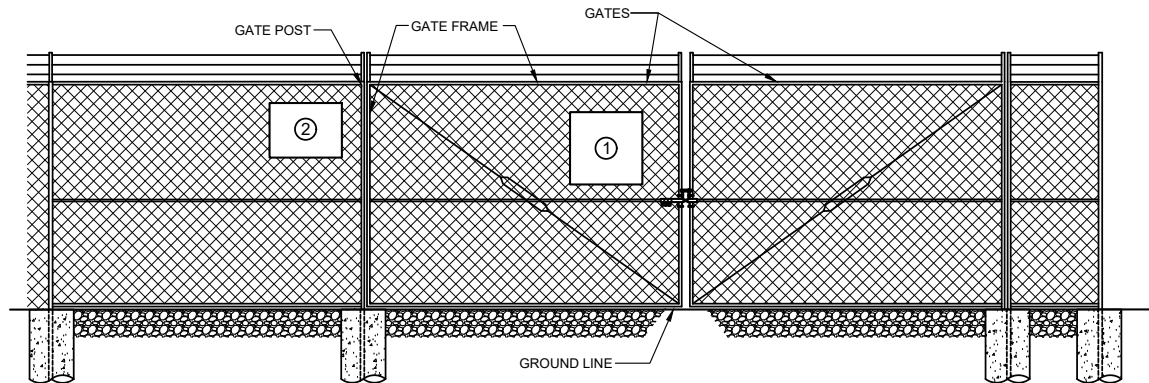
NOTES:

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



TYPICAL SITE FENCE SIGNAGE PLAN

SCALE: N. T. S.



ELEVATION "A-A"

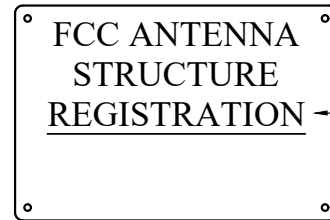
SCALE: N. T. S.



MARKETING/ID SIGN

24" WIDE x 24" HIGH

1



WHITE BACKGROUND
w/BLACK LETTERING

FCC REGISTRATION SIGN

24" WIDE x 18" HIGH

2



REV.	DATE	DESCRIPTION
A	12/26/24	ISSUED FOR 90% REVIEW
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D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	08/13/25	FOR ZONING

REFERENCE ONLY

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BENTON, KY 42025

FENCE SIGNAGE
(REFERENCE ONLY)

ISSUED FOR:	
REVIEW	--/--
PERMIT	--/--
CONSTRUCTION	--/--
RECORD	--/--

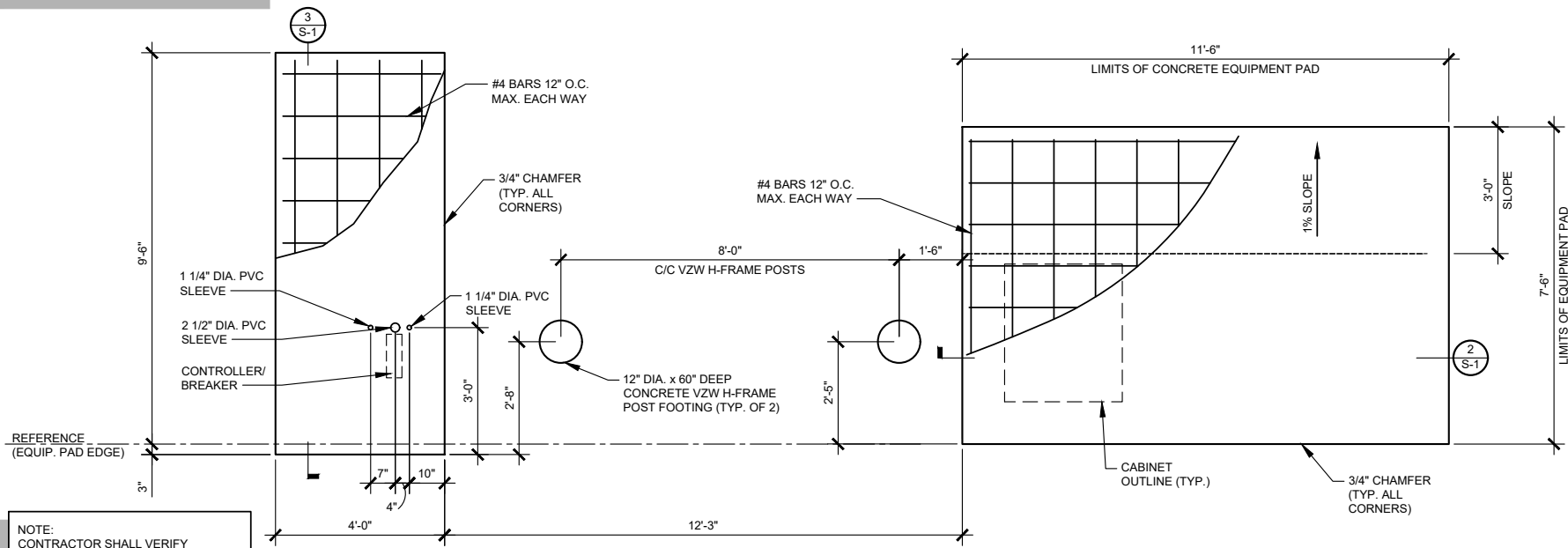
PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

D-5

Drawing Name: 012025202570508 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06/13/2025 dwg
June 13, 2025 8:48 AM - C Miller

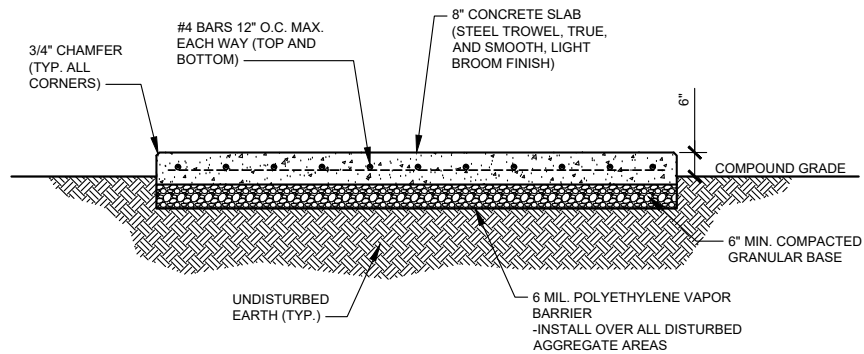
NOTE:
ALL GENERATOR CONDUITS SHALL BE
INSTALLED AND CAPPED WEATHERTIGHT
FOR FUTURE GENERATOR INSTALLATION IF
REQUIRED



EQUIPMENT AND GENERATOR PAD FOUNDATIONS PLAN

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

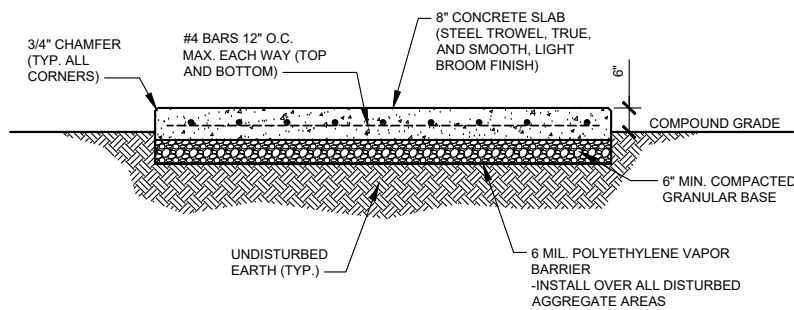
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S-1



EQUIPMENT PAD FOUNDATION SECTION

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

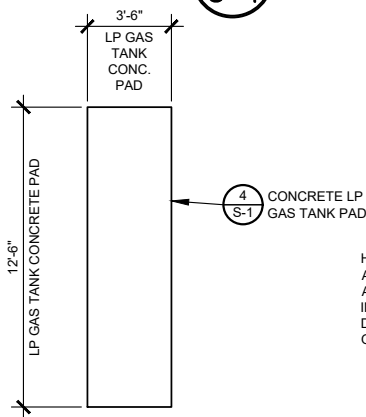
2
S-1



GENERATOR PAD FOUNDATION SECTION

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

3
S-1



LP TANK PAD DETAIL

4
S-1

STRUCTURAL NOTES

1. CANOPY SYSTEM DESIGN LOADINGS:

ROOF SNOW LOAD	60 PSF
DEAD LOADS	ACTUAL MATERIAL WEIGHTS
BASIC WIND SPEED	110 MPH

DESIGN CODES

BUILDINGS AND OTHER STRUCTURES: ASCE 7-10, ASCE 7-16
ANTENNA SUPPORTS, RELATED APPURTENANCES AND TOWERS:
TIA-5053, TIA-222-H AND TIA-222-G

2. 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 PREDETERMINE 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.

3. 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 - BLDG. FOUNDATION
AS ADOPTED BY THE STATE OF KENTUCKY Fc = 4000 PSI @ 28 DAYS

2"-4" SLUMP
MATERIALS - REINFORCING - ASTM A615, GRADE 60
- ANCHOR BOLTS - ASTM F1554 A36

REINFORCING COVERS - FOOTINGS
TOP 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"	25"	33"

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

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% ($\pm 1\%$) 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
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DESCRIPTION
REV. DATE
A 10/26/24
B 01/17/25
C 02/24/25
D 04/04/25
E 06/06/25
F 06/13/25

ISSUED FOR 90% REVIEW
CHECKED FOR 90% REVIEW
PER NEW RDS
PER GEN. TYPE
PER E-911
OR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

EQUIPMENT PAD
FOUNDATION PLAN, DETAILS
AND STRUCTURAL NOTES

ISSUED FOR:

REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.

2025705.05

S-1

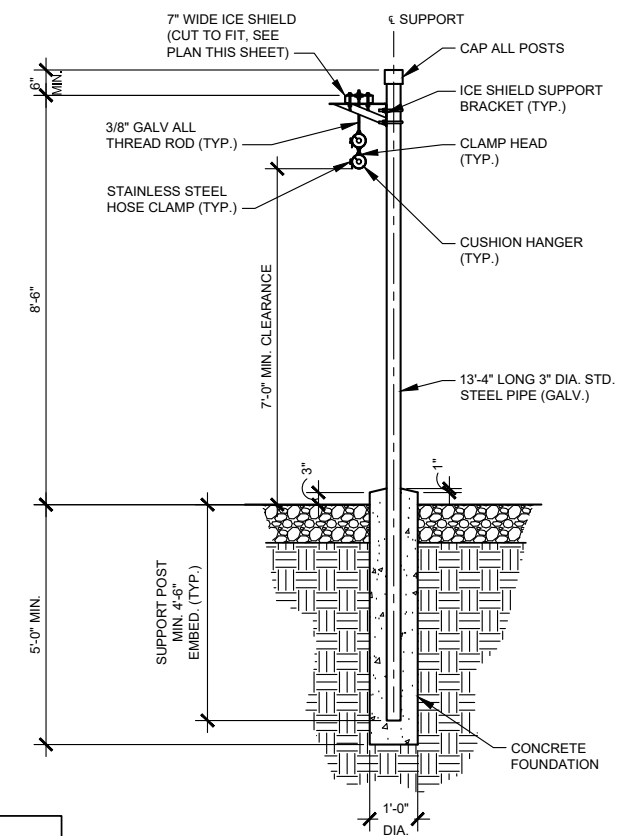
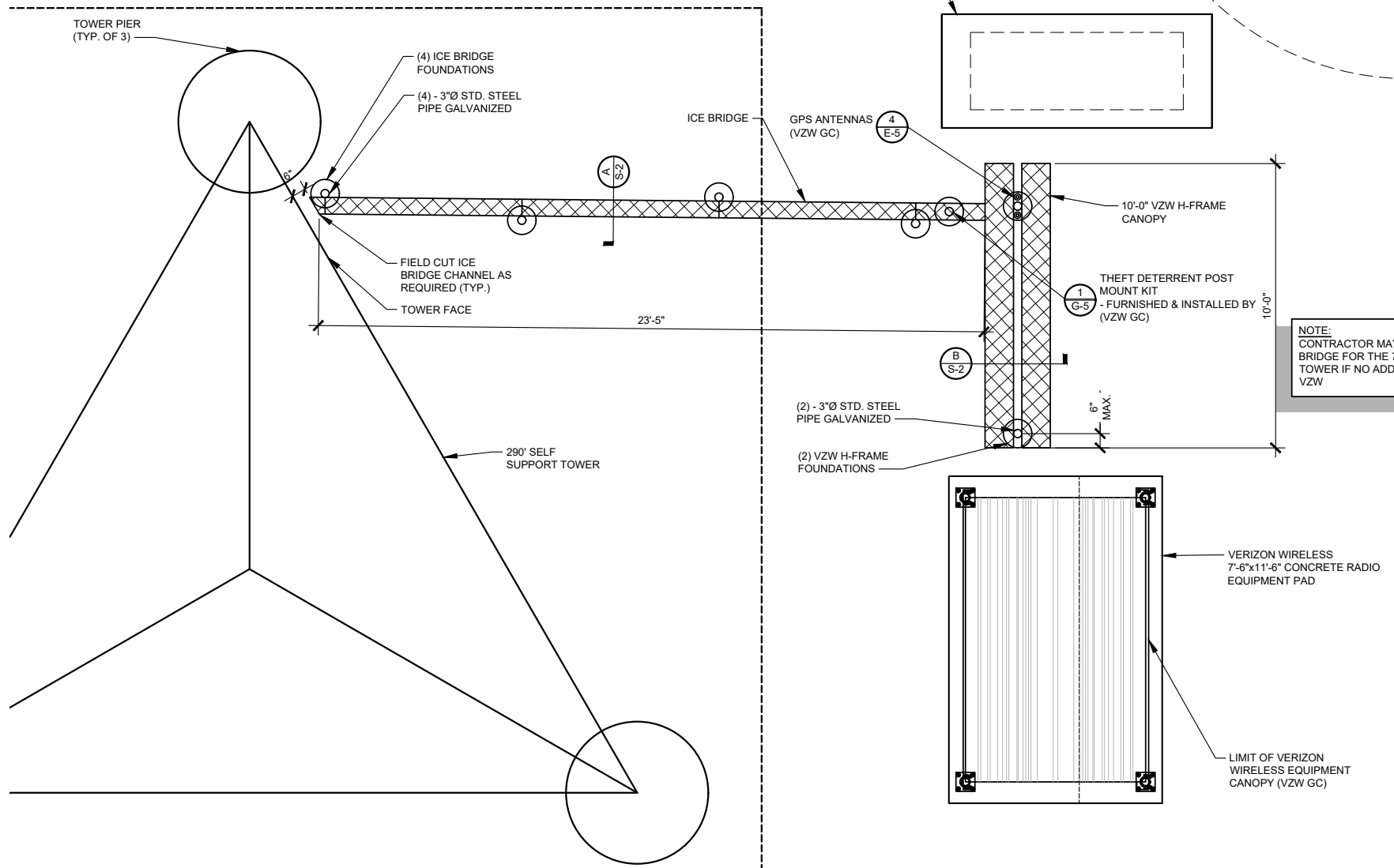
Drawing Name: O:\2025\20250508 EV Equine Hospital Tower Cont4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:48 AM - C Miller



Call Monday thru Friday - 7 am. to 6 pm.
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PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW
TO EXCAVATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK.

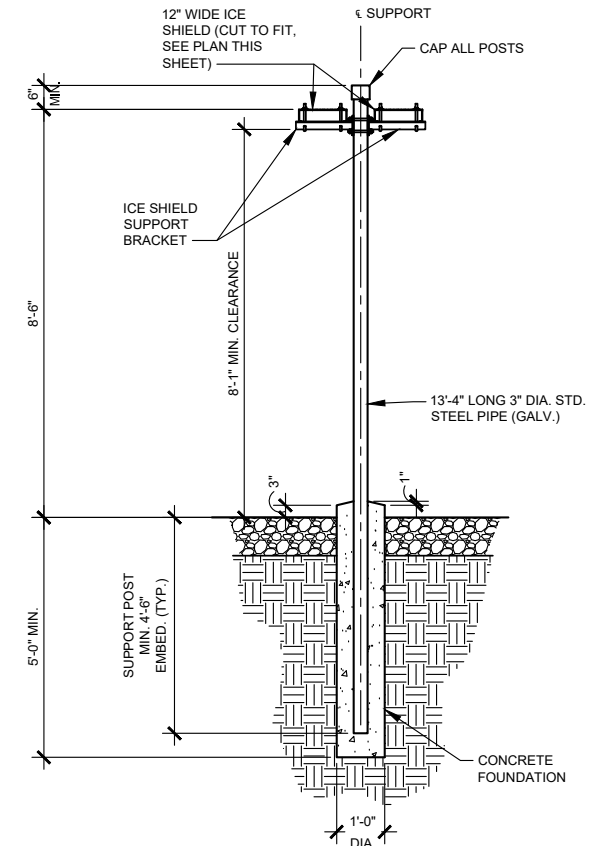
ICE BRIDGE PLAN

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



ICE BRIDGE SECTION

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



VZW H-FRAME CANOPY SECTION

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



REVISIONS

REV	DATE	DESCRIPTION
A	10/26/24	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV. PER NEW RFS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	06/13/25	REV. PER ZONING

SCHEKS
29760
LICENSED PROFESSIONAL ENGINEER
CHRISTOPHER J. SCHEKS
06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

ICE BRIDGE PLAN
AND DETAILS

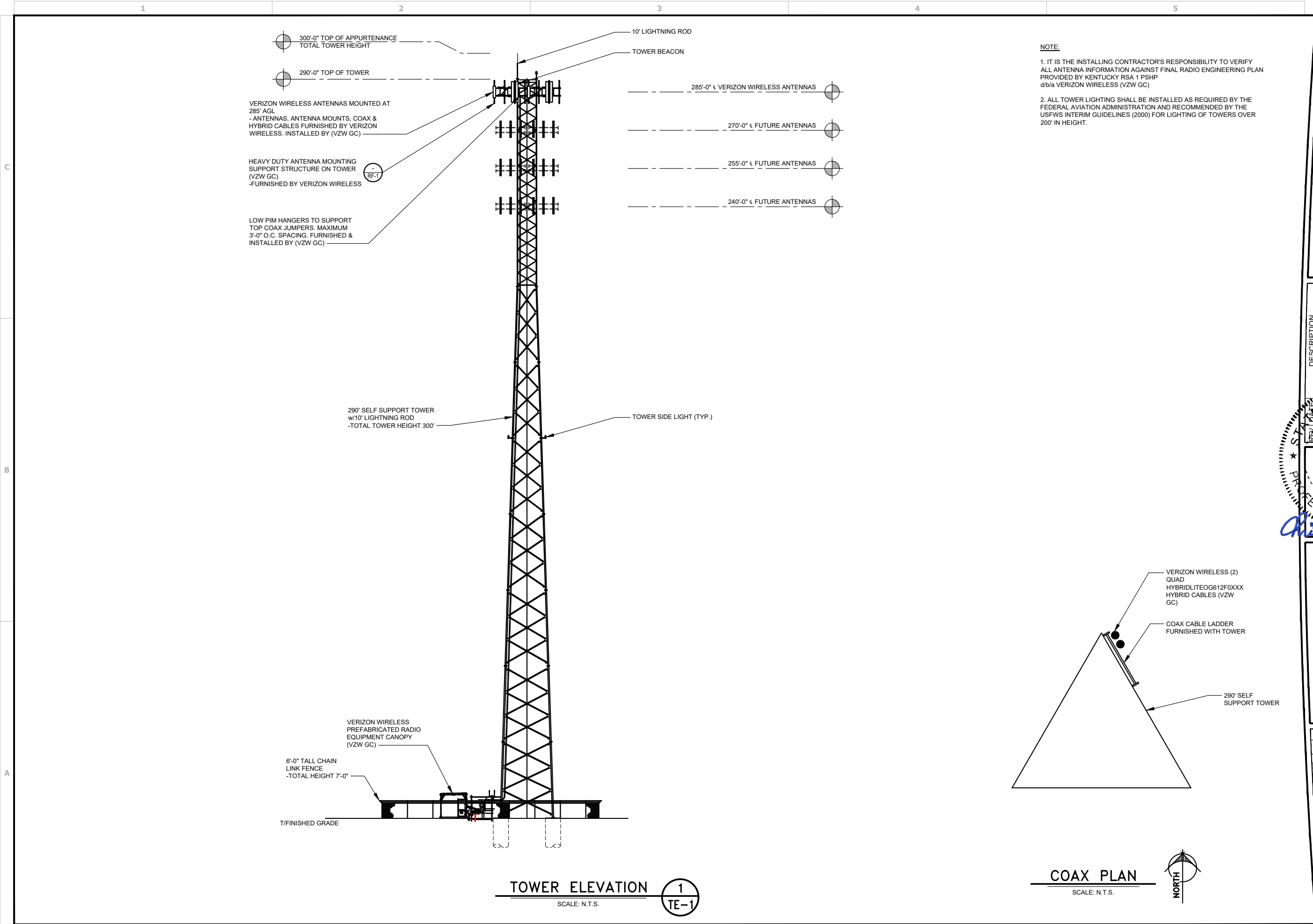
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REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

S-2

Drawing Name: O:\2025\2025705005 EV Equine Hospital Tower Com4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - CMiller



NOTE:

1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY KENTUCKY RSA 1 PSHIP d/b/a VERIZON WIRELESS (VZW GC)

2. 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.

COAX PLAN
SCALE: N.T.S.



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101

ON AIR, ON TIME

241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DATE	DESCRIPTION
CH A	10/26/2024	ISSUED FOR 90% REVIEW
B	01/17/25	ISSUED FOR 90% REVIEW
C	02/24/25	REV PER NEW RFDS
D	04/04/25	REV PER GEN. TYPE
E	06/16/25	REV PER E-911
F	06/13/25	FOR ZONING

SCHEKS

29760

PROFESSIONAL ENGINEER

Christopher J. Schecks

06/13/25

ISSUED FOR:

REVIEW	--/--/--
PERMIT	--/--/--
CONSTRUCTION	--/--/--
RECORD	--/--/--

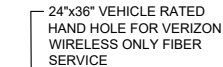
PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.

2025705.05

TE-1

1. ONE 4" SCH40 PVC FIBER CONDUIT WITH PULL TAPE FOR FUTURE FIBER SERVICE OR AS SPECIFIED BY THE TOWER OWNER FOR THEIR OWNED FIBER CONDUIT AND (3) 1-1/4" PVC CONDUITS AND PULLTAPES SHALL BE INSTALLED FROM H-FRAME HOFFMAN BOX TO HANDHOLE MEET POINTS AT THE PUBLIC RIGHT-OF-WAY. EACH FIBER CONDUIT ROUTE SHALL HAVE ITS OWN DEDICATED HANDHOLE MODEL AS FOLLOWS:
 - THE VERIZON FIBER CONDUIT HANDHOLES SHALL BE OLDCASTLE INFRASTRUCTURE MODEL 24361480 PC2436-30 T22 - VERIZON LOGO OR QUAZITE/HUBBELL POWER SYSTEMS MODEL PG2436Z185784 ASSY T22 SW OB 24x36x30 VERIZON V, OR APPROVED EQUALS. ALTERNATIVE HANDHOLES MAY BE USED IF MEETING THE DESIGNATED LOADING AND HAVING DIMENSIONS OF AT LEAST 2'x3'x2.5'. ALL VERIZON HANDHOLES TO HAVE "VERIZON" LOGO ON COVER.
 - THE GENERAL USE FIBER CONDUIT HANDHOLE SHALL BE A MODEL AS APPROVED BY THE CONSTRUCTION MANAGER.
2. CONTRACTOR SHALL PLACE ADDITIONAL HANDHOLES ALONG ROUTE, AS NECESSARY, SO THAT SPACING BETWEEN HANDHOLES IS NO GREATER THAN 500 FEET.
3. CONTRACTOR SHALL PLACE (1) COPPERHEAD INDUSTRIES ORANGE TRACER WIRE (PART NO. 1230N-HS) OR APPROVED EQUIVALENT ABOVE PROPOSED FIBER CONDUIT(S)
4. (2) 1-1/4" PVC FIBER CONDUITS w/PULLTAPES AND TRACER WIRE SHALL BE INSTALLED FROM H-FRAME HOFFMAN BOX TO VERIZON WIRELESS EQUIPMENT PAD LOCATION (PER PLANS)
5. IF WET GROUND CONDITIONS ARE ENCOUNTERED ONE 4" SCH40 PVC FIBER CONDUIT w/(3) 1" HDPE SMOOTH WALL INNERDUCTS AND PULLTAPES MAY BE INSTALLED FROM HANDHOLE OUTSIDE COMPOUND MEET POINT AT THE PUBLIC RIGHT-OF-WAY WITHIN UTILITY EASEMENT WITH PULL TAPE.



UNDERGROUND ELECTRIC CONDUIT
AND CONDUCTORS BY ELECTRIC
PROVIDER _____

- PAD MOUNTED TRANSFORMER
- FURNISHED & INSTALLED BY
- ELECTRIC PROVIDER
- COORDINATE LOCATION AND PAD
- REQUIREMENTS WITH PROVIDER

4" PVC UNDERGROUND ELECTRIC
CONDUIT w/PULL TAPE (±10 L.F.)
- STUB UP 6" AT TRANSFORMER
LOCATION (COORDINATE w/ELECTRIC
PROVIDER)
- SEE GENERAL NOTE 6 & 10 ON SHEET
C-6

SCALE: N.T.S.



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
UNDERGROUND LOCATION SERVICE TWO (2)

STEVEN P.
SCHAUB
29008
LICENSED PROFESSIONAL ENGINEER
06/13/2011

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

SITE UTILITY PLAN

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
025705.05

E-1



GPD GROUP, INC.[®]

20 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



TOWERCOM
ON AIR. ON TIME.

NEPTUNE BEACH, FL 32266

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com4_AEI01_Dwg_EV EQUINE HOSPITAL 90%. REV F
06.13.2025.dwg
June 13, 2025 8:49 AM - CMiller

Drawing Name: 012025202570505 EV Equine Hospital Tower Comt4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C.Miller

VERIZON PANEL "A" SCHEDULE									
MAIN: 225/2		VOLTAGE: 120/240		PHASE: 1		WIRE: 3			
TO AUTOMATIC TRANSFER SWITCH									

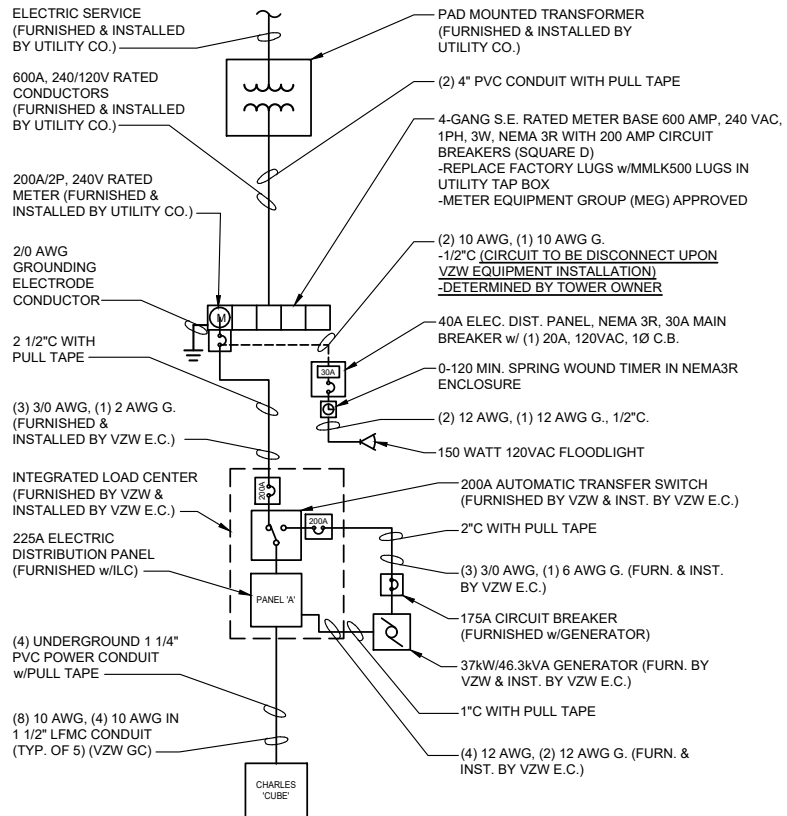
SURFACE MOUNTED NEMA 3R w/DOOR
22K AIC BREAKERS
(E.C. SHALL VERIFY AIC RATINGS W/LOCAL POWER CO.)

PANEL LOADING SUMMARY:

MAXIMUM LOADING ON 200A PANEL SHALL BE 160A CONTINUOUS. RECTIFIERS SHALL BE CONSIDERED A CONTINUOUS LOAD. MAXIMUM NUMBER OF RECTIFIERS SHALL NOT EXCEED 8. LOADING WILL VARY BASED ON QUANTITY OF RECTIFIERS/CABINETS AND WILL NOT BE DETERMINED UNTIL TIME OF BUILD BY VERIZON. VERIZON TO ENSURE THE MAXIMUM TOTAL PANEL LOAD DOES NOT EXCEED 160A CONTINUOUS LOAD. VERIZON SHALL ALSO VERIFY THAT THE GENERATOR/TOR IS CAPABLE OF TRANSFERING THE ENTIRE PLANNED LOAD. VERIZON SHALL LOAD SHED AS REQUIRED IN ORDER TO ENSURE GENERATOR RATING IS NOT EXCEEDED.

PANEL SCHEDULE "A"

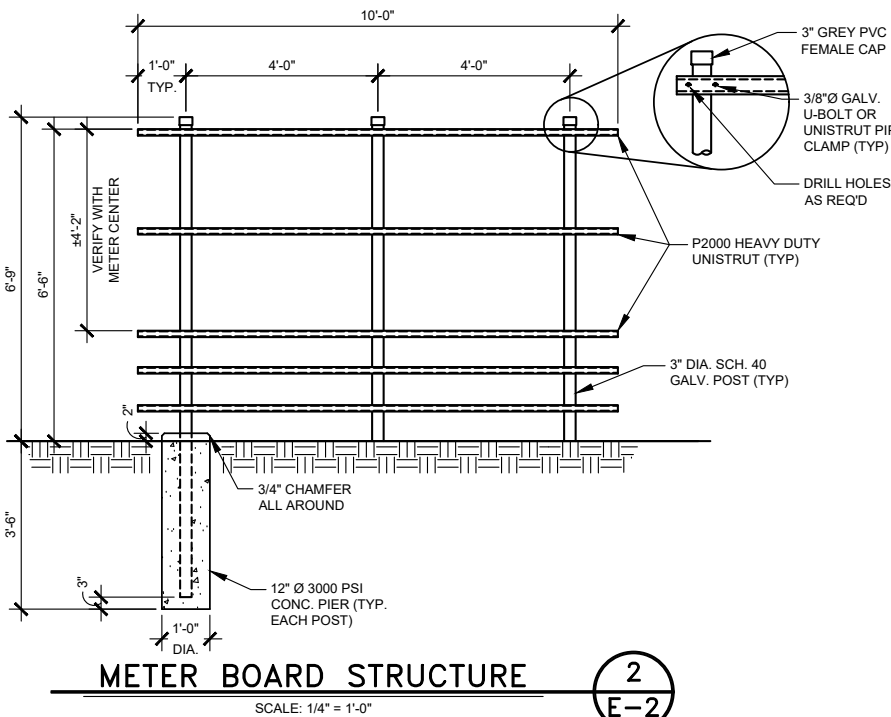
SCALE: N.T.S.



ONE LINE DIAGRAM

SCALE: N.T.S.

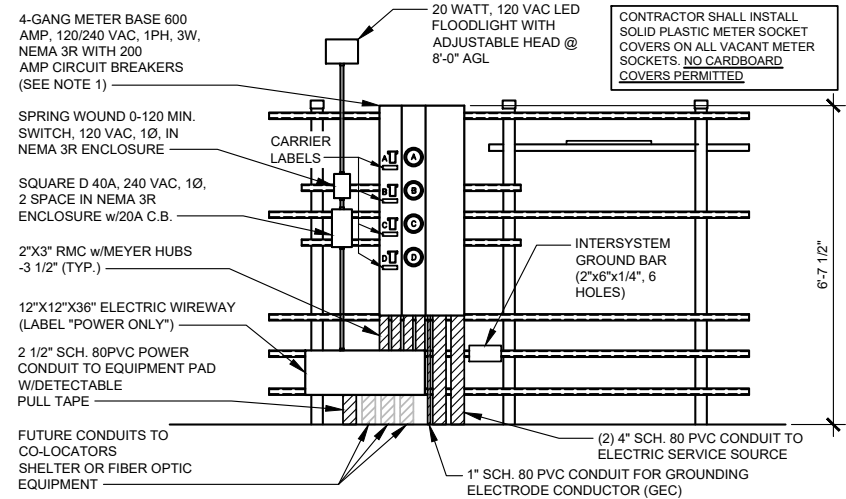
1
E-2



METER BOARD STRUCTURE

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

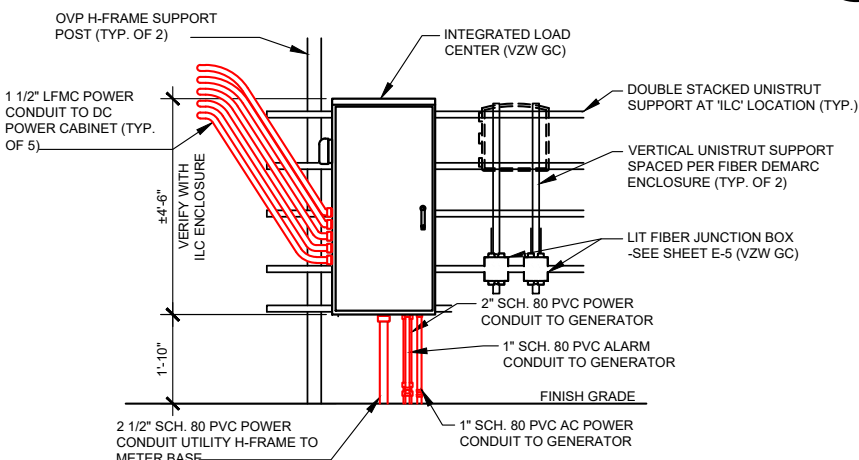
2
E-2



METER BOARD STRUCTURE-ELECTRIC SIDE

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

3
E-2



VZW ILC MOUNTING DETAIL

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

4
E-2

GENERAL ELECTRICAL NOTES

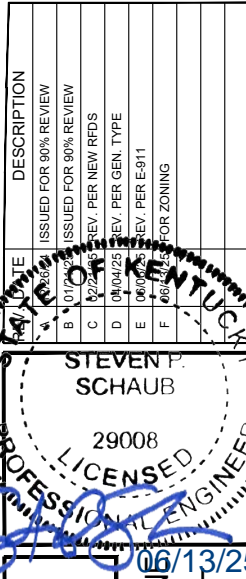
- UNLESS NOTED AS VERIZON WIRELESS GENERAL CONTRACTOR OR VZW GC, ALL WORK ITEMS ON ELECTRICAL "E" & GROUNDING "G" SHEETS SHALL BE PERFORMED BY THE GENERAL CONTRACTOR'S ELECTRICAL CONTRACTOR. ALL WORK SHOWN AS NEW UNLESS NOTED EXISTING.
- THE GENERAL CONTRACTOR AND VERIZON WIRELESS ELECTRICAL CONTRACTORS 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 QUALIFIED ELECTRICIANS TRAINED FOR THE TYPE OF WORK AND THE VOLTAGES PRESENT FOR EACH TASK. THE CONTRACTOR SHALL REVIEW ALL LANDOWNER, PRIME CONTRACTOR, CARRIER, OSHA, NFPA 70E, 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 EQUIREMENTS.
- 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" IN SIZE AND PERMANENTLY AFFIXED TO THE ENCLOSURES EASILY VISIBLE LOCATIONS.
- VERIZON WIRELESS ELECTRICAL PLACARD REQUIREMENTS:
a) AVAILABLE FAULT CURRENT RATING FROM UTILITY PROVIDER WITH DATE.
b) VERIZON WIRELESS SERVICE DISCONNECT AT METER BASE.
c) VERIZON MAIN BREAKER AT INTEGRATED LOAD CENTER "ILC".
d) GENERATOR NEUTRAL CONDUCTOR BONDED TO SERVICE GROUNDING ELECTRODE IN THIS ENCLOSURE AT METER CENTER AND AUTOMATIC TRANSFER SWITCH "ATS" NEUTRAL BAR.
e) VERIZON WIRELESS GENERATOR.
f) 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 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.



520 South Main Street, Suite 2531
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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266



EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

PANEL SCHEDULE, ONE-LINE
DIAGRAM, ELECTRICAL
NOTES AND DETAILS

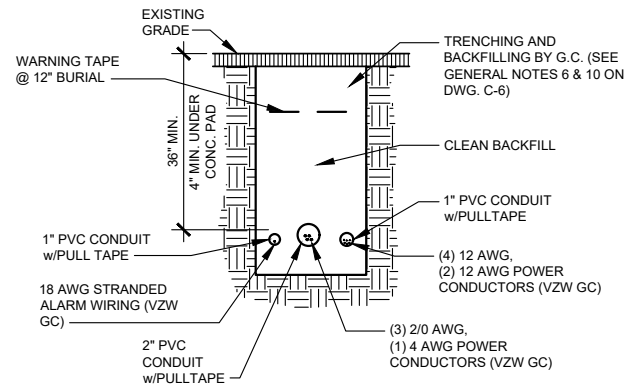
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PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-2

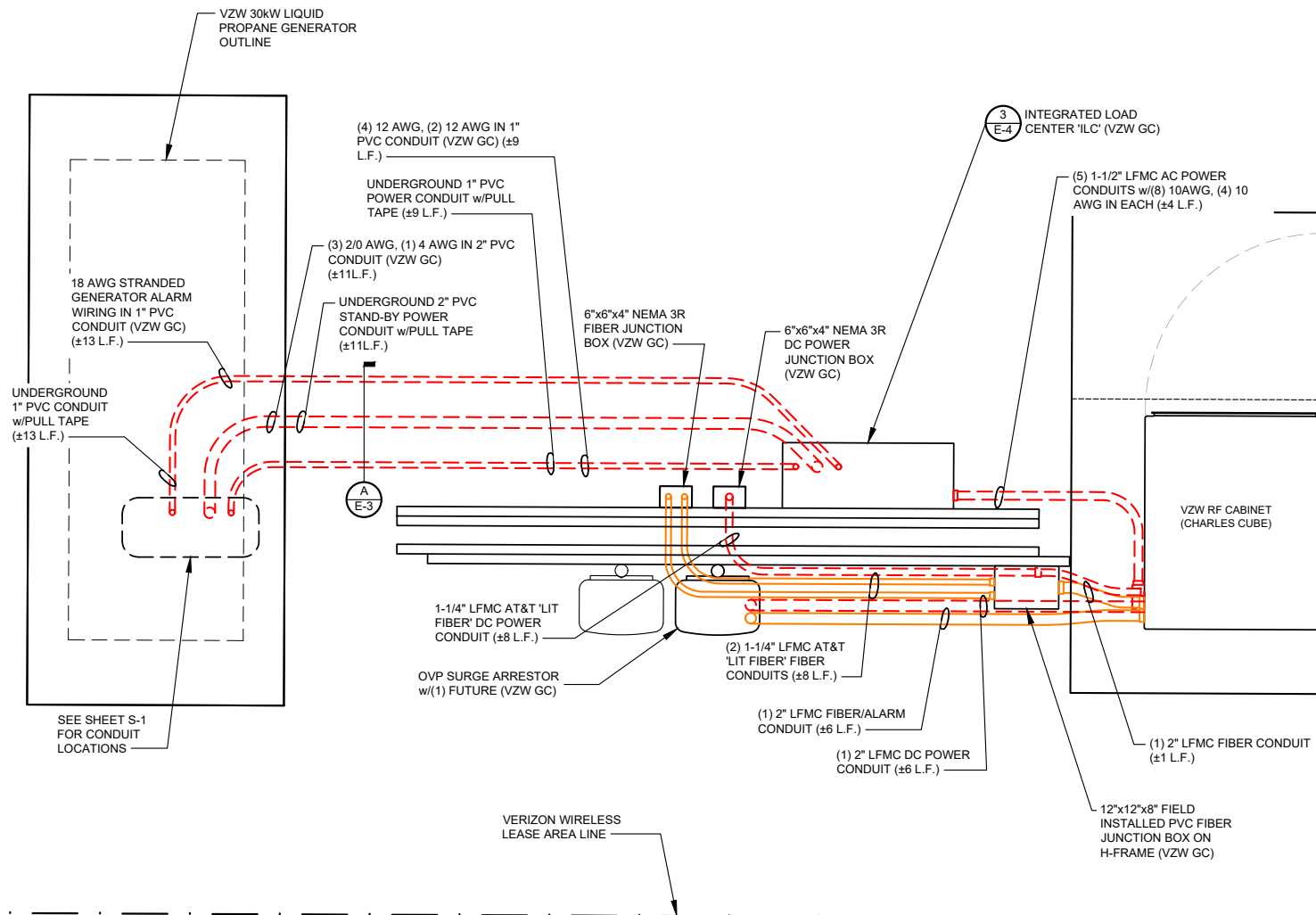
Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025.dwg
June 13, 2025 8:49 AM - C Miller



GENERATOR FEEDER TRENCH SECTION DETAIL

SCALE: N.T.S.

A
E-3



EQUIPMENT PAD UTILITY PLAN

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



NOTE:

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

ELECTRICAL NOTES:

1. PROVIDE 6'-0" MAX. LIQUIDTIGHT FLEXIBLE METAL CONDUIT AT ALL EQUIPMENT AND GENERATOR 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 AND EQUIPMENT ABOVE CONCRETE PAD SHALL BE LFMC WITH DIAMETER AS NOTED ON PLAN WITH WEATHERPROOF FITTINGS.
5. ALL GENERATOR CONDUITS SHALL BE INSTALLED REGARDLESS OF INITIAL GENERATOR INSTALLATION.



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241 ATLANTIC BLVD, STE 201
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06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

PROFESSIONAL ENGINEER

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

EQUIPMENT PAD UTILITY
PLAN & EQUIPMENT PAD
TRENCH SECTIONS

ISSUED FOR:

REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

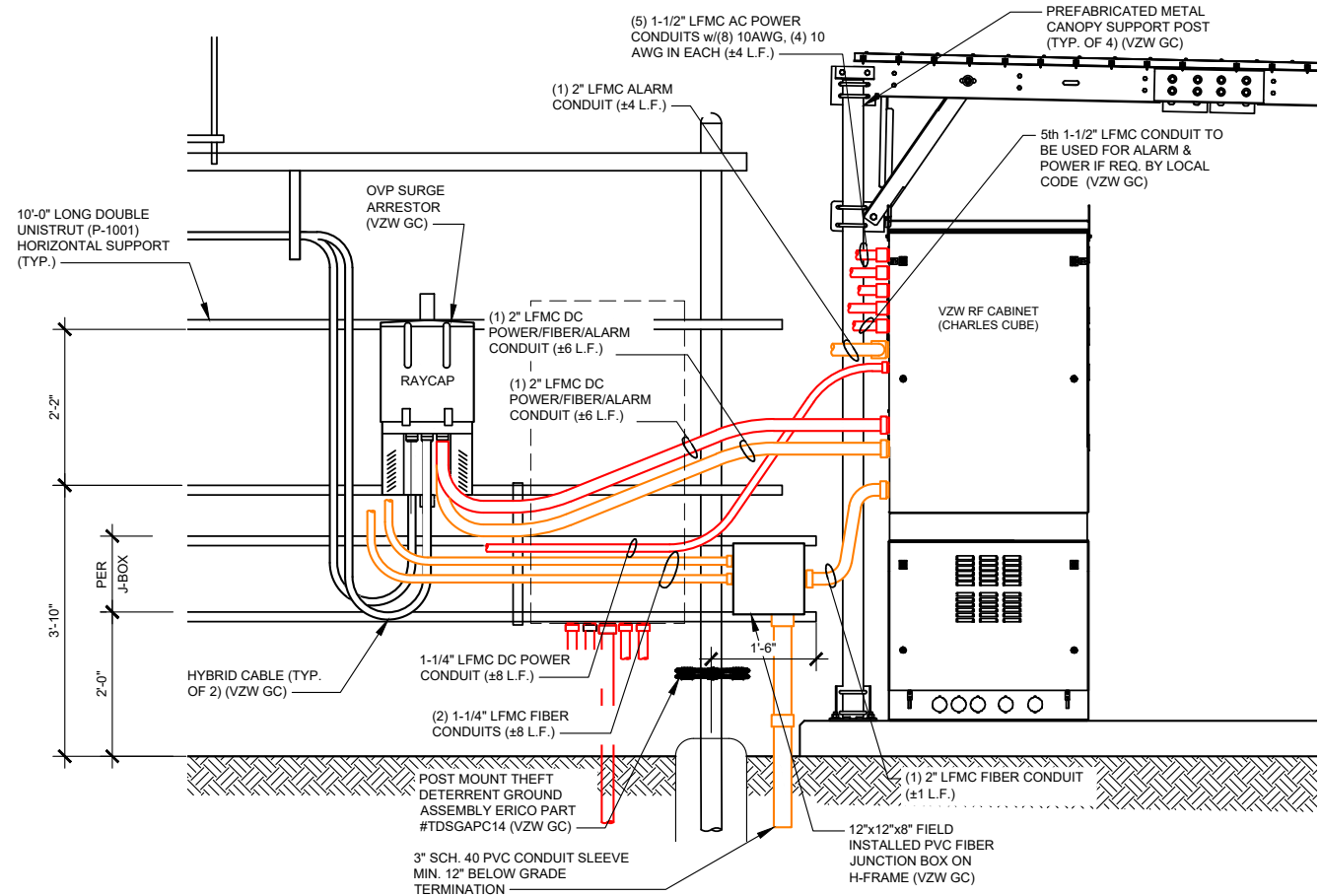
PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.

2025705.05

E-3

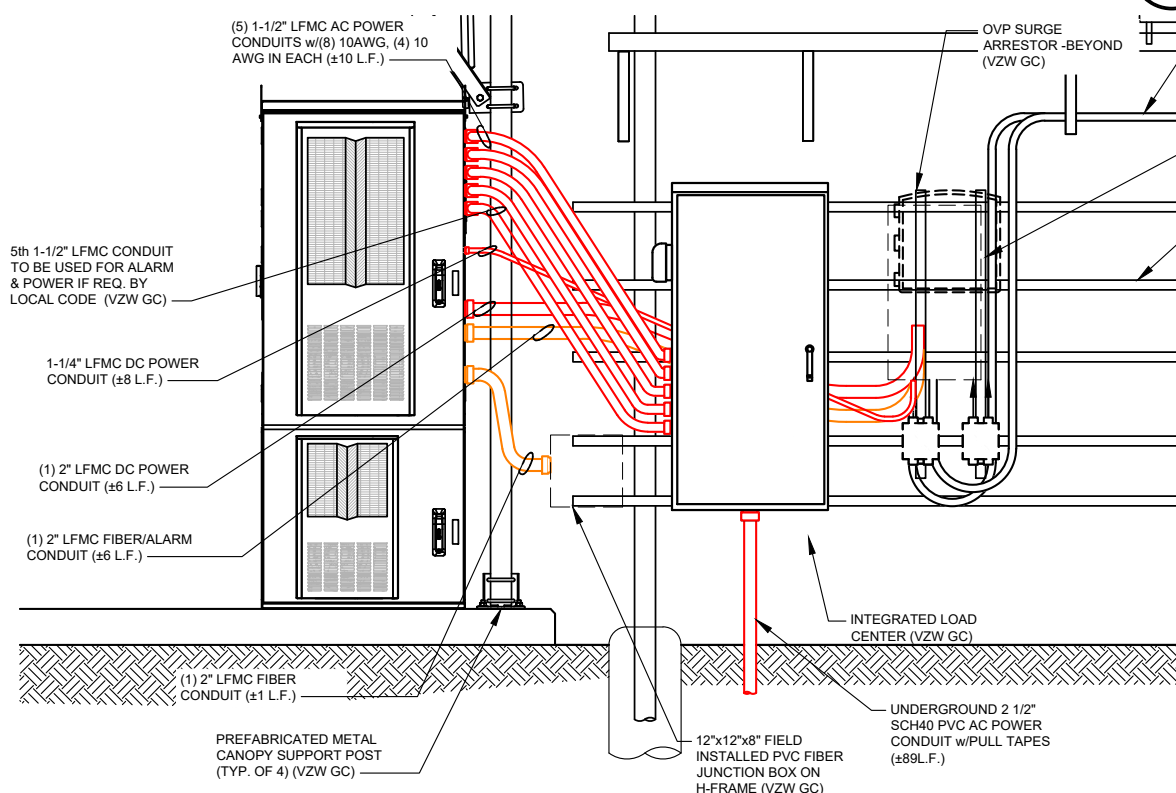
Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - CMiller



OUTDOOR OVP EQUIPMENT ELEVATION (OVP SIDE) - REAR

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

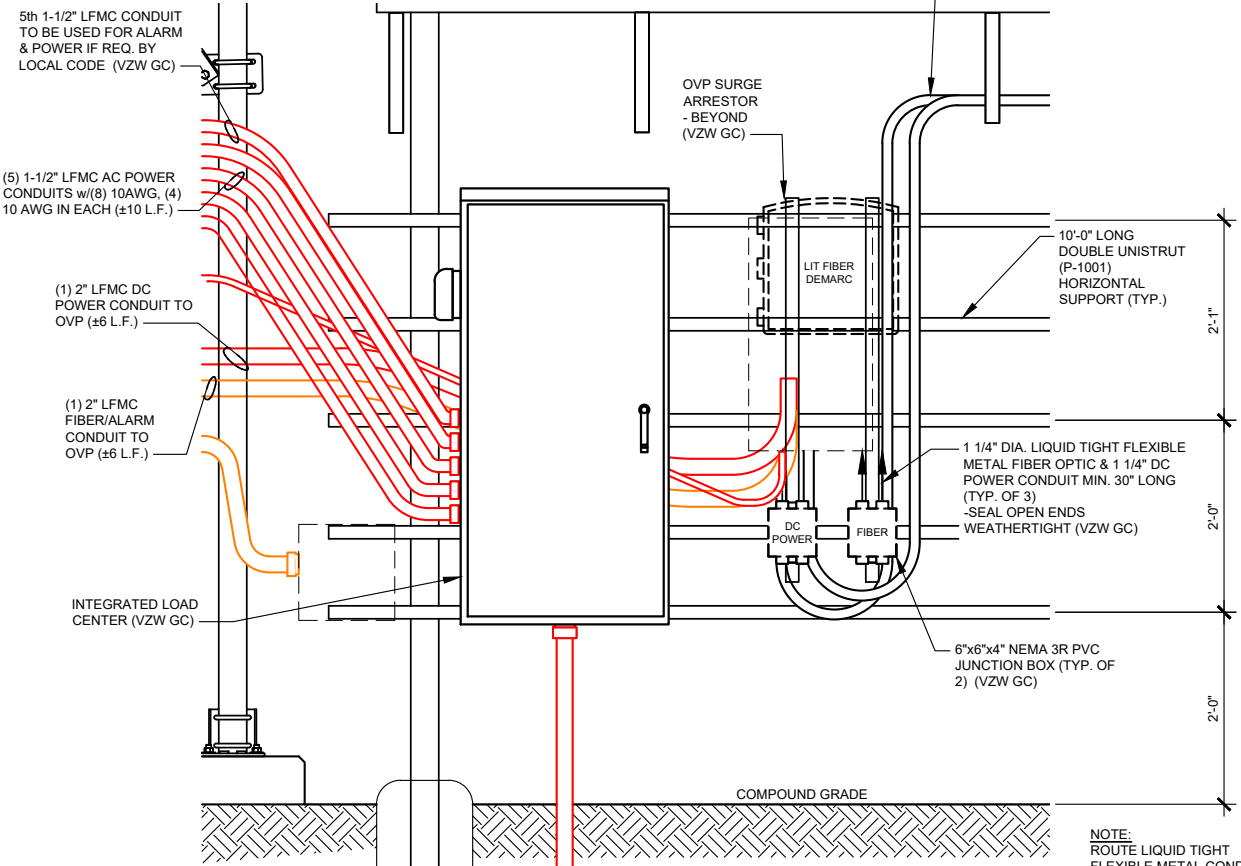
1
E-4



OUTDOOR OVP EQUIPMENT ELEVATION (ILC SIDE) - FRONT

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

2
E-4



ENLARGED OVP H-FRAME
ELEVATION (LIT FIBER DEMARC)

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

3
E-4



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REV. PER NEW RFS
06/13/25	REV. PER GEN. TYPE
06/13/25	REV. PER E-911
06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

OVP & INTEGRATED LOAD
CENTER H-FRAME
ELEVATIONS AND DETAILS

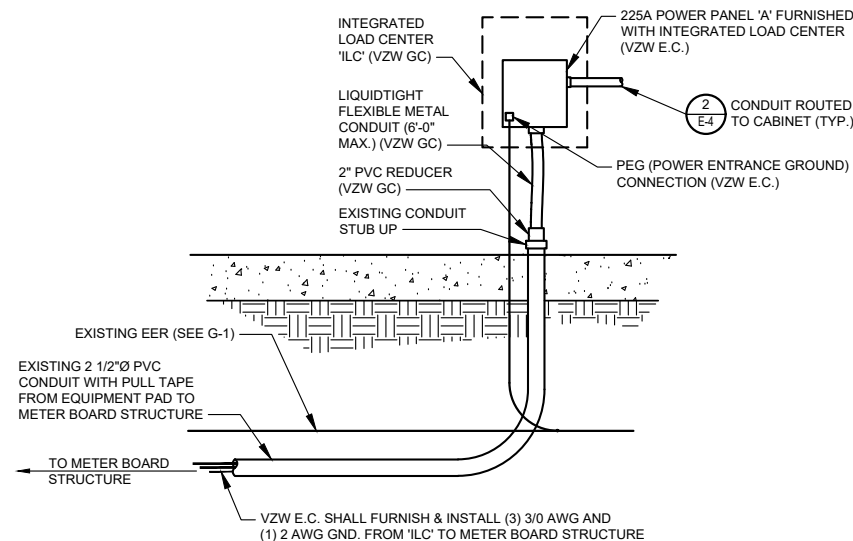
ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-4

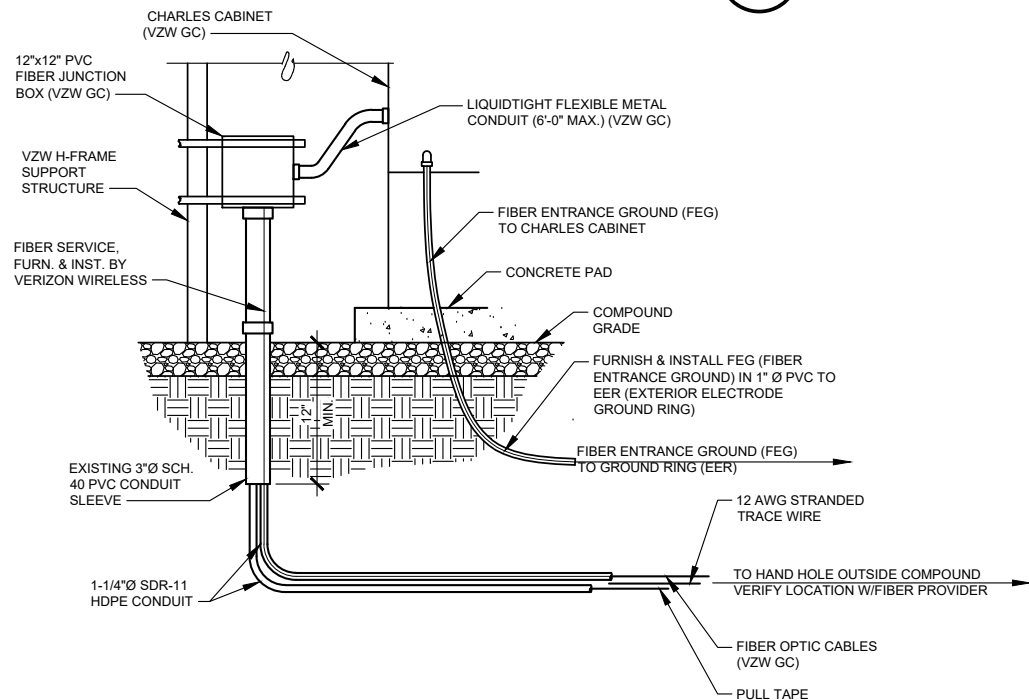
Drawing Name: 012025202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C.Miller



SERVICE ENTRANCE DETAIL

SCALE: N.T.S.

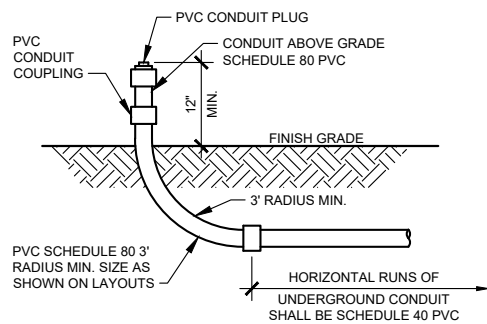
1
E-5



FIBER CONDUIT ENTRANCE DETAIL

SCALE: N.T.S.

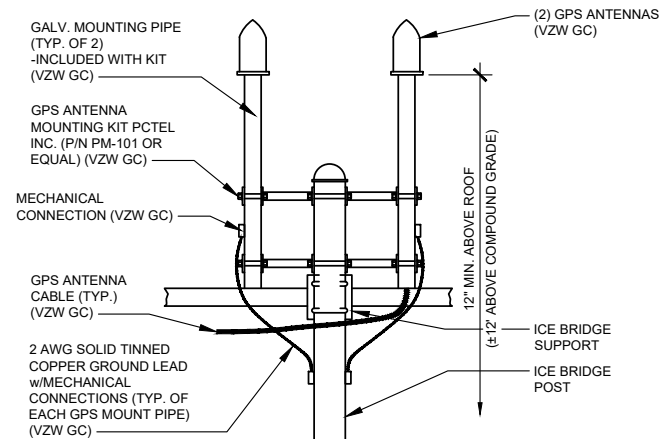
2
E-5



UNDERGROUND CONDUIT STUB-UP DETAIL

SCALE: N. T. S.

3
E-5



*ALL GPS ANTENNA INSTALLATION BY VZW GC

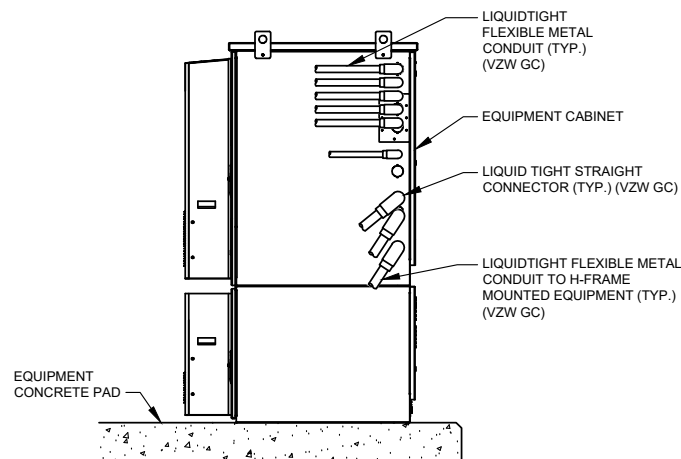
NOTE:

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)

4
E-5



TYP. CABINET CONDUIT ENTRANCE DETAIL

SCALE: N.T.S.
(BY VZW GC)

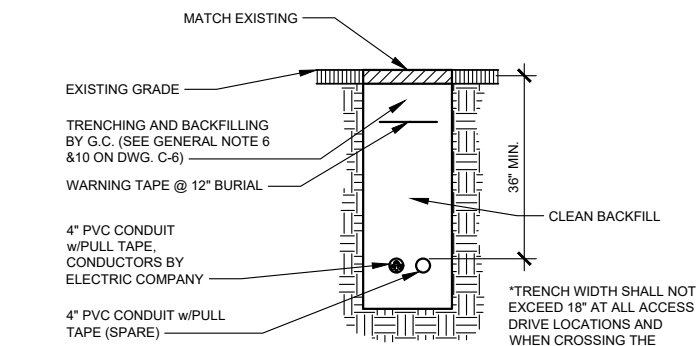
5
E-5



FIBER HAND HOLE PLACARD DETAIL

SCALE: N.T.S.

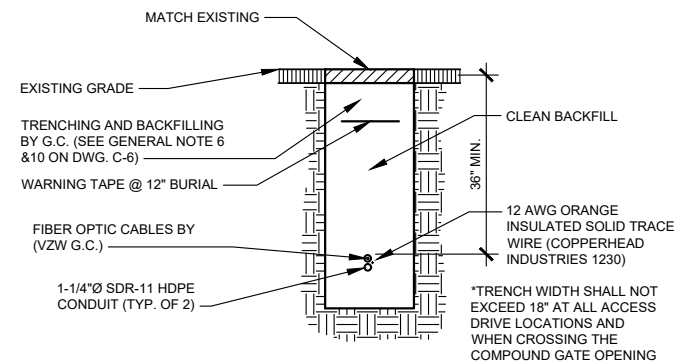
6
E-5



SERVICE LATERAL TRENCH SECTION DETAIL

SCALE: N.T.S.

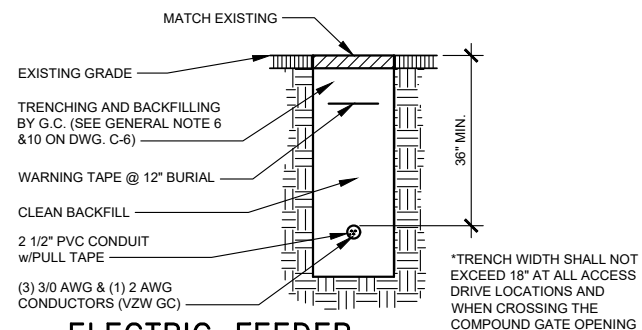
A
E-5



FIBER TRENCH SECTION DETAIL

SCALE: N.T.S.

B
E-5



ELECTRIC FEEDER TRENCH SECTION DETAIL

SCALE: N.T.S.

C
E-5



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241 ATLANTIC BLVD, STE 201
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DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REV. PER NEW RFS
06/13/25	REV. PER GEN. TYPE
06/13/25	REV. PER E-911
06/13/25	OR ZONING

STEVEN P. SCHAUB

29008

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

ELECTRICAL DETAILS

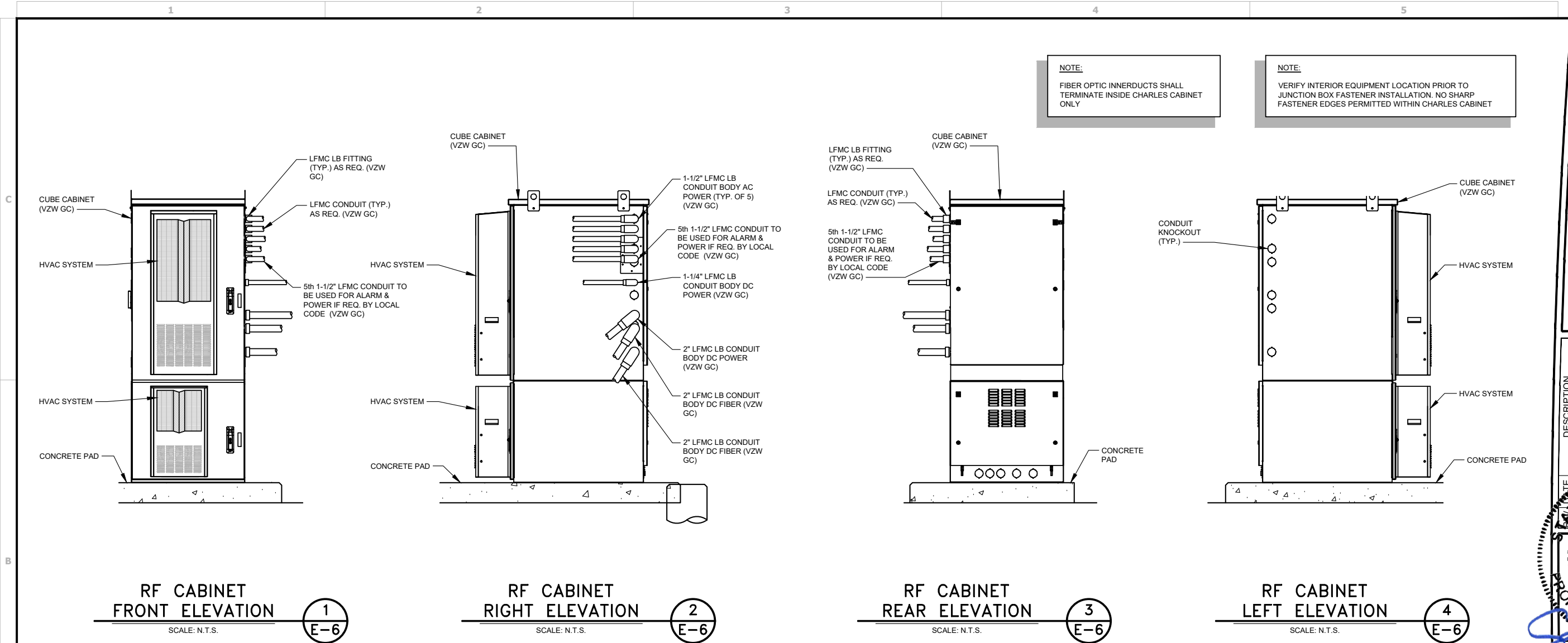
ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-5

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025.dwg
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ON AIR, ON TIME

241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV	DESCRIPTION
A	ISSUED FOR 90% REVIEW
B	ISSUED FOR 90% REVIEW
C	REV PER NEW RDS
D	REV PER GEN. TYPE
E	REV PER E-911
F	REV PER ZONING

STEVEN P. SCHAUB
29008
PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

EQUIPMENT CABINET ELEVATIONS

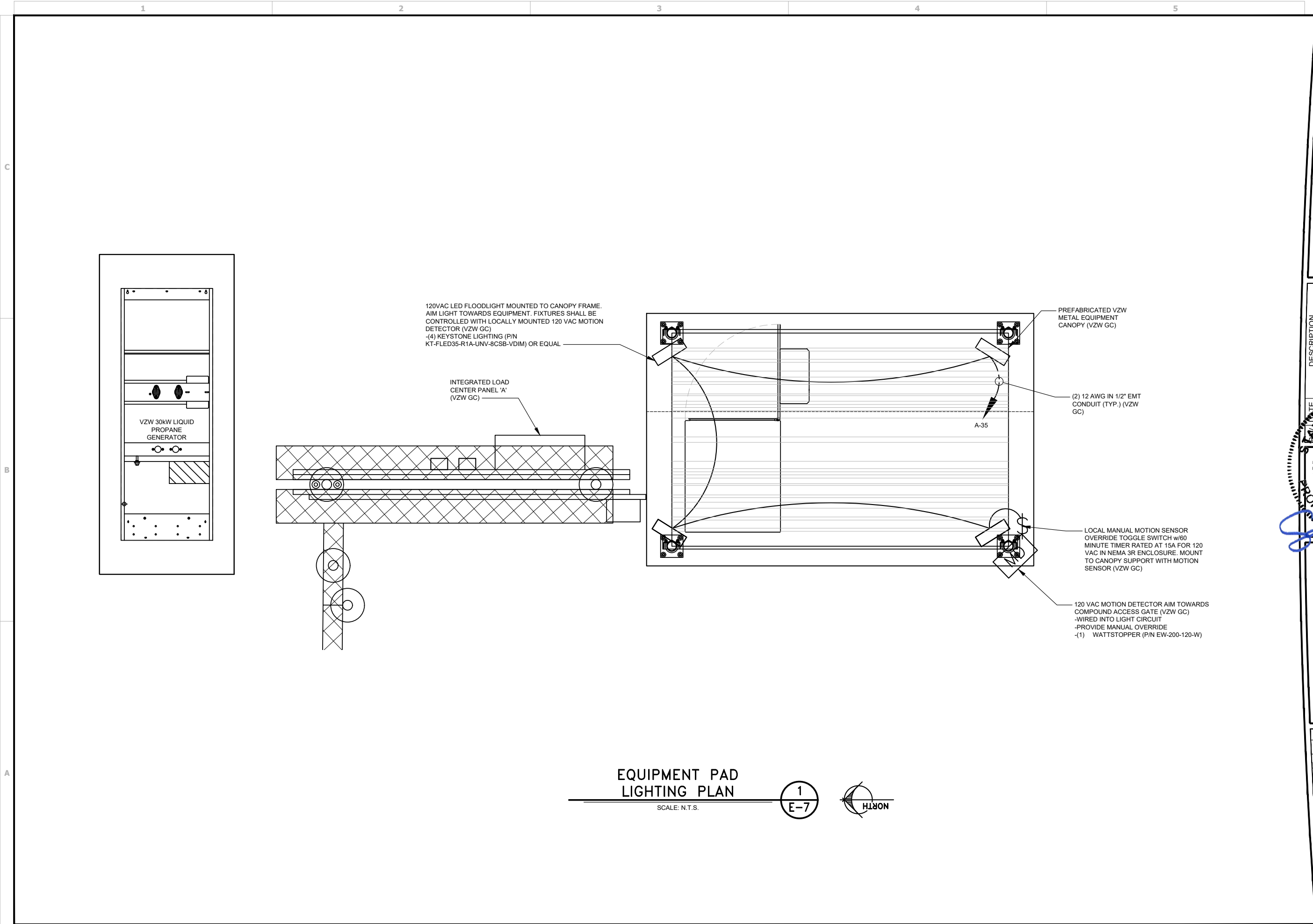
ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-6

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
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EQUIPMENT PAD
LIGHTING PLAN

SCALE: N.T.S.

1
E-7



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ON AIR, ON TIME
241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
A 06/13/25	ISSUED FOR 90% REVIEW
B 07/01/25	ISSUED FOR 90% REVIEW
C 02/04/25	REV. PER NEW RDS
D 04/04/25	REV. PER GEN. TYPE
E 06/07/25	REV. PER E-911
F 06/13/25	FOR ZONING

STEVEN P. SCHAUB
29008
LICENSED PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

EQUIPMENT PAD
LIGHTING PLAN

ISSUED FOR:	
REVIEW	--/--
PERMIT	--/--
CONSTRUCTION	--/--
RECORD	--/--

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-7

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C Miller

Alarm wiring table							
RMX - 4000 Wiring Install on right side of panel when facing front of panel				Misc Wiring - left side of panel			
Alarm block Pos	Wire color	Alarm	RMX-4000	Wire Color	Wire Color	Alarm	Conn/Pos
1	White/Orange	Door Intrusion	1-4	White or Blue	Orange	Intrusion Alarm	
2	Orange				White/Orange		
3	White/Green	Commercial Power Failure	1-4	White or Blue	N/A	N/A	
4	Green				N/A		
5	White/Blue	Surge Suppressor Lightning Arrestor	1-4	White or Blue	N/A	N/A	
6	Blue				N/A		
7	White/Brown	Rectifier Failure	1-4	White or Blue	Green/White	Rectifier Failure	J4 Pos 8
8	Brown				Red/Green		J4 Pos 18
9	White/Orange	Multiple Rectifier Failure	5-8	Red or Blue	White/Red	Multiple Rectifier	J4 Pos 9
10	Orange				Red/White	Failure	J4 Pos 19
11	White/Green	Battery Discharge	5-8	Red or Blue	White	Battery	J4 Pos 4
12	Green				White/Black	Discharge	J4 Pos 14
13	White/Blue	Low Voltage	5-8	Red or Blue	Black	Low Voltage	J4 Pos 5
14	Blue				Black/White		J4 Pos 15
15	White/Brown	DC Power Failure	5-8	Red or Blue	Blue/White	Fuse	J4 Pos 6
16	Brown				Red/Black	High Voltage	J4 Pos 20
17	White/Orange	Generator Running	9-12	Black or Blue	N/A	N/A	
18	Orange				N/A		
19	White/Green	Generator Low Fuel	9-12	Black or Blue	N/A	N/A	
20	Green				N/A		
21	White/Blue	Generator Failure	9-12	Black or Blue	N/A	N/A	
22	Blue				N/A		
23	White/Brown	HVAC Failure	9-12	Black or Blue	Black	HVAC Failure	
24	Brown				White/Blue		
25	White/Orange	High Temp	13-16	Yellow or Blue	Green	Overheat Alarm	
26	Orange				White/Green		
27	White/Green	Low Temp	13-16	Yellow or Blue	N/A	N/A	
28	Green				N/A		
29	White/Blue	Tower Light	13-16	Yellow or Blue	N/A	N/A	
30	Blue				N/A		
31	White/Brown	Tower Light Side	13-16	Yellow or Blue	N/A	N/A	
32	Brown				N/A		
33	White/Orange	RRH Upconverter Failure	17-20	Violet or Blue	White/Blue	RRH Upconverter Failure	
34	Orange				Blue		
35	White/Green	RRH Power Failure	17-20	Violet or Blue	N/A	N/A	
36	Green				N/A		
37	White/Blue	RRH High Humidity	17-20	Violet or Blue	N/A	N/A	
38	Blue				N/A		
39	White/Brown	RRH Intrusion	17-20	Violet or Blue	N/A	N/A	
40	Brown				N/A		
41	White/Orange	Smoke Fire	21-24	Blue	N/A	N/A	
42	Orange				N/A		
43	White/Green	Bus Bar Theft	21-24	Blue	N/A	N/A	
44	Green				N/A		
45	White/Blue	N/A	21-24	Blue	N/A	N/A	
46	Blue				N/A		
47	White/Brown	N/A	21-24	Blue	N/A	N/A	
48	Brown				N/A		
49	White/Orange	Microwave Critical	25-28	Orange or Blue	N/A	N/A	
50	Orange				N/A		
51	White/Green	Microwave Major	25-28	Orange or Blue	N/A	N/A	
52	Green				N/A		
53	White/Blue	Dehydrator Alarm	25-28	Orange or Blue	N/A	N/A	
54	Blue				N/A		
55	White/Brown	Fire Suppression Discharge	25-28	Orange or Blue	N/A	N/A	
56	Brown				N/A		
57	White/Orange	Fire Suppression Trouble	29-32	Green or Blue	N/A	N/A	
58	Orange				N/A		
59	White/Green	Secondary HVAC Running	29-32	Green or Blue	N/A	N/A	
60	Green				N/A		
61	White/Blue	Explosive gas	29-32	Green or Blue	N/A	N/A	
62	Blue				N/A		
63	White/Brown	High Humidity	29-32	Green or Blue	N/A	N/A	
64	Brown				N/A		
65-84	N/A	N/A	N/A	N/A	N/A	N/A	

ALARM WIRING TABLE

SCALE: N.T.S.

1
E-8



INTEGRATED LOAD CENTER INTERIOR DETAIL

SCALE: N.T.S.

2
E-8



INTEGRATED LOAD CENTER "SURGE" & "COMMERCIAL POWER" DETAIL

SCALE: N.T.S.

3
E-8



GENERATOR ALARM PANEL DETAIL

SCALE: N.T.S.

4
E-8

CONTRACTOR SHALL COIL ALARMING CONDUCTORS AND PLACE ATOP THE ANNUNCIATOR PANEL

CONTRACTOR SHALL INDIVIDUALLY LABEL ALL ALARMING CONDUCTORS COORDINATED TO APPROPRIATE CONTACT POSITION

GENERATOR ANNUNCIATOR PANEL



REV.	DATE	DESCRIPTION
A	12/26/24	ISSUED FOR 90% REVIEW
B	01/21/25	ISSUED FOR 90% REVIEW
C	02/21/25	REV. PER NEW RFDs
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	08/13/25	FOR ZONING

REFERENCE ONLY

EQUINE HOSPITAL
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ALARM TABLE, DIAGRAMS
AND DETAILS
(REFERENCE ONLY)

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-8

Drawing Name: O:\2025\2025705\05 EV Equine Hospital Tower Com4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025.dwg
June 13, 2025 8:49 AM - CMiller

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

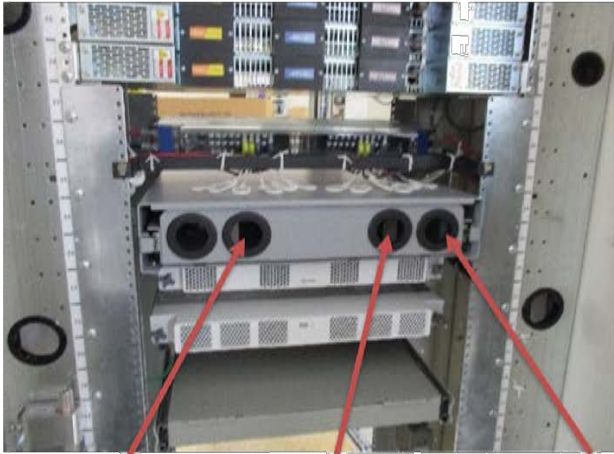
**Note: Only install/label
Module #4 if
fibers are provided.**

**Note: Only install Aqua
fibers if instructed by a
supervisor. Otherwise
ship loose**

Label Template

Updated template

4449	4449	4449	8843	8843	8843
ALPHA	BETA	GAMMA	ALPHA	BETA	GAMMA
6449	6449	6449	6449	6449	6449
LINK 1	LINK 2	LINK 1	LINK 2	LINK 1	LINK 2
4408	4408	4408			
ALPHA	BETA	GAMMA			



Gamma
fibers

Beta
fibers

Alpha
fibers

Aqua Fibers if installed- label each end the same
Fiber 1
Fiber 2
Fiber 3

FIBER ROUTING DETAIL

SCALE: N.T.S.

1
E-9

Alarm wiring for Cabinet

Remove old alarm block
and install new panel
DRP4722SW

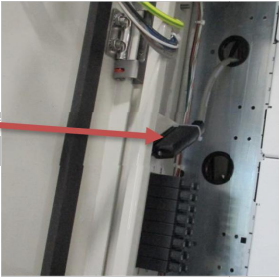
Route wiring from
RMX4000 to alarm panel.
Wiring will be various
colors or all blue as
shown

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)**



provi
visua



ALARM WIRING CONNECTIONS

SCALE: N.T.S.

2
E-9



REV.	DATE	DESCRIPTION
A	12/28/24	ISSUED FOR 90% REVIEW
B	01/21/25	ISSUED FOR 90% REVIEW
C	02/21/25	REV. PER NEW RFS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	08/13/25	FOR ZONING

REFERENCE ONLY

EQUINE HOSPITAL
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BENTON, KY 42025

ALARM AND FIBER
CABLE ROUTING
(REFERENCE ONLY)

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

E-9

Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C.Miller

1

2

3

4

5

6'-0" TALL CHAIN LINK FENCE
WITH 3 ROWS OF BARBED
WIRE ATOP.
- 7'-0" OVERALL HEIGHT

TOWER GROUND RING 24"
(MIN.) CLEARANCE FOR EDGE
OF CONCRETE FOUNDATION
@ 36" DEPTH (EER)

GROUND ROD 2'-0"
CLEAR FROM FENCE
(TYP. EACH CORNER)

INSPECTION
SLEEVE (TYP. OF 2)

VZW 30kW
DIESEL
GENERATOR
(VZW GC)

BOND TO TOWER
GROUND RING
(TYP. OF 2) SHALL BE
CADWELD

SEE SERVICE
ENTRANCE

INSTALL GPS
ANTENNAS, COAX,
DIN FEMALE
CONNECTOR,
GROUND COAX
(VZW GC)

SEE CONDUIT
ENTRANCE

GROUND RING 24" (MIN.)
CLEARANCE FOR EDGE OF
CONCRETE FOUNDATION
@ 36" DEPTH (EER)

PREFABRICATED VZW
METAL EQUIPMENT
CANOPY (VZW GC)

ANTENNA GROUND
BAR NO ISOLATION
MOUNT AT ANTENNA
ARRAY (VZW GC)

GROUND
TEST WELL
(G-4)

CADWELD
CONNECTION (TYP.)

METER BOARD STRUCTURE
GROUND 2 AWG BARE SOLID
TINNED COPPER (TYPICAL OF
EACH POST)

PAD MOUNTED TRANSFORMER
-FURNISHED & INSTALLED BY
ELECTRIC PROVIDER
-COORDINATE LOCATION AND PAD
REQUIREMENTS WITH PROVIDER

PIPE BOLLARD (TYP. OF 3)

24"x36" HAND HOLE FOR
VERIZON WIRELESS ONLY
FIBER SERVICE

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.

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.

GROUNDING SITE PLAN

SCALE: N.T.S.



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REVIEW PER NEW RFD
06/13/25	REVIEW PER GEN. TYPE
06/13/25	REVIEW PER E-911
06/13/25	FOR ZONING

STEVEN P.
SCHAUB

29008

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GROUNDING SITE PLAN

ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

G-1





Drawing Name: O:\2025\2025705\005 EV Equine Hospital Tower Com\4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025.dwg
June 13, 2025 8:49 AM - C.Miller

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 CEPSCG: FURN. & INST. 1 - 2 AWG BARE SOLID TINNED COPPER GND. WIRE FOR CEPSCG 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-2 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 PCSCG: 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 GPSG: BY VZW E.C.

TOWER OWNER GROUNDING NOTES

- 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.
- 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).
- ALL EXTERIOR GND. CONNECTIONS SHALL BE EXOTHERMIC CADWELD (U.N.O).
- 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.
- GROUND SYSTEM SHALL BE VISUALLY INSPECTED BY A TOWER OWNER AND VERIZON WIRELESS CONSTRUCTION ENGINEER BEFORE BACKFILLING IF REQUESTED.
- NO SHARP 90° BENDS SHALL BE USED. A LONG SWINGING RADIUS BEND REQUIRED.
- ALL EQUIPMENT PAD AND EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS.
- 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).
- 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.
- 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
EGC	EQUIPMENT GROUNDING CONDUCTOR (NEC DESIGNATION)
FEG	FIBER ENTRANCE GROUND
FG	FENCE GROUND
FTWGL	FUTURE TOWER WAVEGUIDE GROUND LEAD
GEC	GROUNDING ELECTRODE CONDUCTOR (NEC DESIGNATION)
GEG	GENERATOR ENCLOSURE GROUND
GES	GROUNDING ELECTRODE SYSTEM (NEC DESIGNATION)
GG	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
PCSG	PAD CANOPY SUPPORT GROUND DOWN LEAD
TBG	TOWER BASE GROUND
TWG	TOWER WAVEGUIDE GROUND ASSEMBLY
UG	UFER GROUND (PIER FOUNDATION)
	CABLE TO CABLE CADWELD CONNECTION
	CABLE TO GND. ROD CADWELD CONNECTION
	TEST WELL
	INSPECTION PORT CABLE TO CABLE CADWELD CONNECTION



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REVISION		DESCRIPTION
A	06/13/25	ISSUED FOR 90% REVIEW
B	07/01/25	ISSUED FOR 90% REVIEW
C	02/01/25	REV. PER NEW RDS
D	04/04/25	REV. PER GEN. TYPE
E	06/07/25	REV. PER E-911
F	06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GROUNDING NOTES

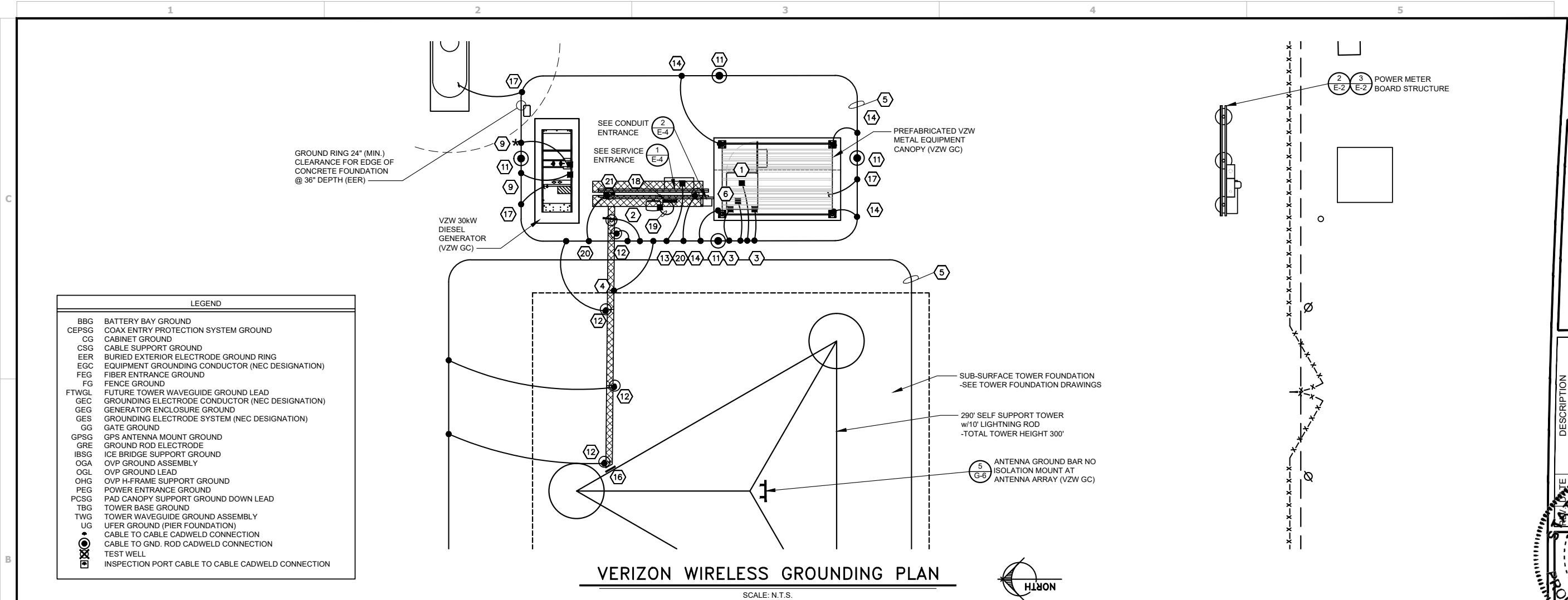
ISSUED FOR:	
REVIEW	--/--/--
PERMIT	--/--/--
CONSTRUCTION	--/--/--
RECORD	--/--/--

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

G-2

Drawing Name: O:\2025\2025705\08 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C.Miller



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 CEPSC: VZW E.C. SHALL FURNISH & INSTALL THE THEFT DETERRENT GROUND 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 CADWELD. 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 ANTIOXIDENT 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: BY TOWER OWNER E.C.
- 9 GEG: 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
- 10 GG: BY TOWER OWNER E.C.
- 11 GRE: BY TOWER OWNER E.C.
- 12 IBSG: BY TOWER OWNER E.C.
- 13 PEG: VZW E.C. SHALL CONNECT 1 - 2 AWG BARE SOLID TINNED COPPER GND WIRE FOR THE POWER ENTRANCE GROUND (PEG) 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.
- 14 PCSC: 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.
- 15 TBG: BY TOWER OWNER E.C.
- 16 TWG: VZW E.C. SHALL FURN. & INST. THEFT DETERRENT GROUND ASSEMBLY KIT PART #TDSGABC14 FOR THE TOWER WAVEGUIDE GROUND (TWG) DIRECTLY TO THE TOWER (SEE SITE SPECIFIC GROUNDING PLAN OF DESIGN DRAWINGS).
- 17 UG: BY TOWER OWNER E.C.
- 18 OGA: VZW E.C. SHALL FURN. & INST. THE 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.
- 19 OGL: 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 GROUND BAR SHALL BE MECHANICAL.
- 20 OHG: BY TOWER OWNER E.C.
- 21 GPSG: 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). CONNECTION TO PIPE AND POST SHALL BE CADWELD.

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 TOWER (EER), FUTURE TOWER WAVEGUIDE GROUND LEADS (FTWGL), GATE GROUND (GG), FENCE (FG), TOWER BASE GROUND (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 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 ALUMINUM 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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ON AIR, ON TIME

241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REV. PER NEW RFDS
06/13/25	REV. PER GEN. TYPE
06/13/25	REV. PER E-911
06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

PROFESSIONAL ENGINEER

06/13/25

EQUINE HOSPITAL

313 COLE CEMETERY RD

BENTON, KY 42025

VERIZON WIRELESS

GROUNDING PLAN

AND NOTES

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

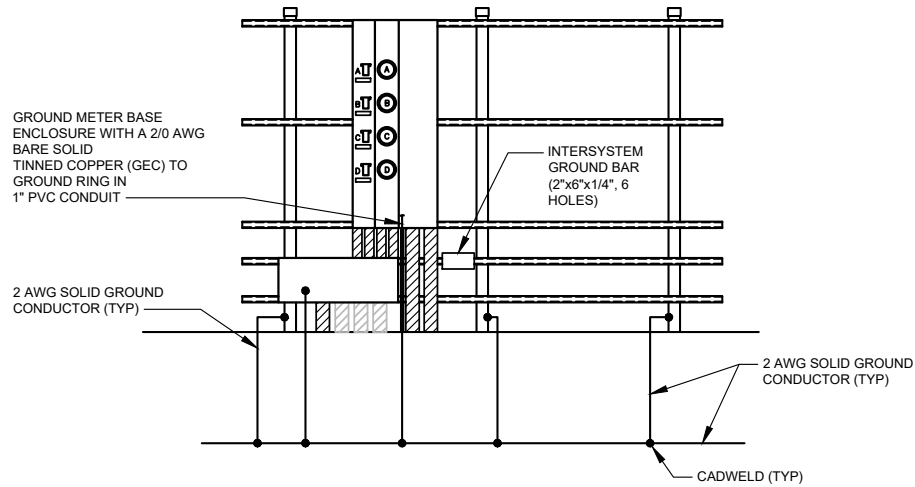
PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.

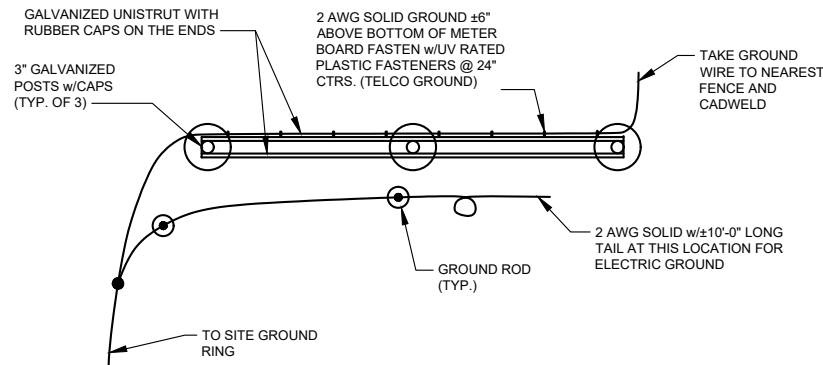
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G-3

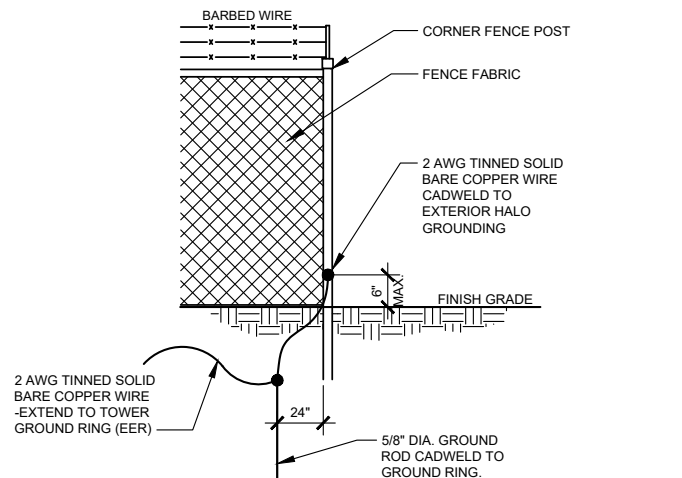
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06.13.2025.dwg
June 13, 2025 8:49 AM - C.Miller



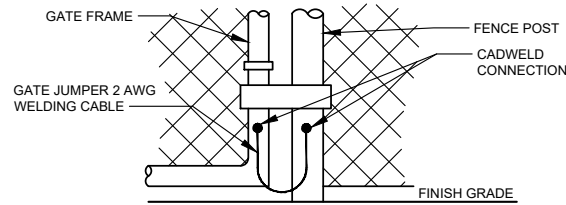
METER BOARD STRUCTURE GROUNDING
SCALE: 1/4" = 1'-0"
1
G-4



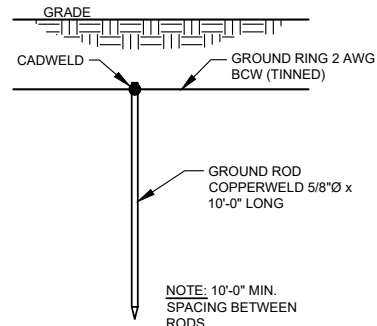
METER BOARD STRUCTURE GROUND PLAN
SCALE: N.T.S.
2
G-4



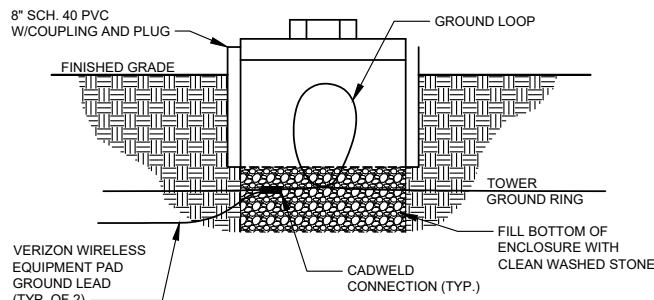
FENCE GROUNDING DETAIL
SCALE: N.T.S.
3
G-4



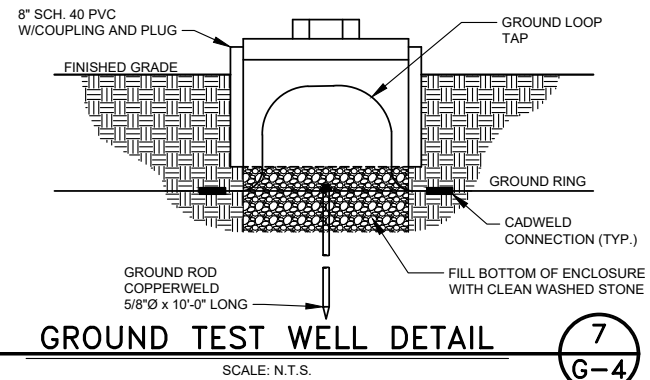
GATE GROUNDING DETAIL
SCALE: N.T.S.
4
G-4



GROUND ROD DETAIL
SCALE: N.T.S.
(TYP. FOR CONTRACTOR AND VZW GC)
5
G-4



INSPECTION SLEEVE DETAIL
SCALE: N.T.S.
6
G-4



GROUND TEST WELL DETAIL
SCALE: N.T.S.
7
G-4



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REVIEW PER NEW RFS
06/13/25	REVIEW PER GEN. TYPE
06/13/25	REVIEW PER E-911
06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

PROFESSIONAL ENGINEER
06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GROUNDING DETAILS

ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

G-4

Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - CMiller

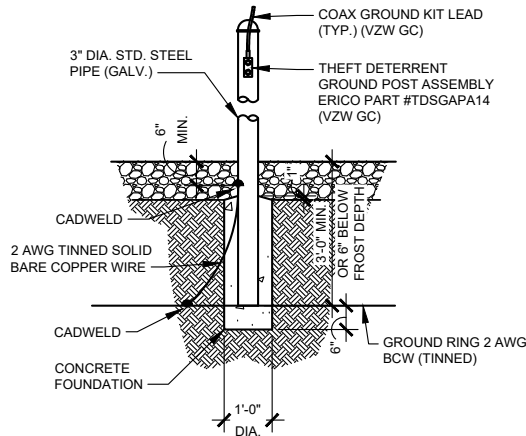
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2

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4

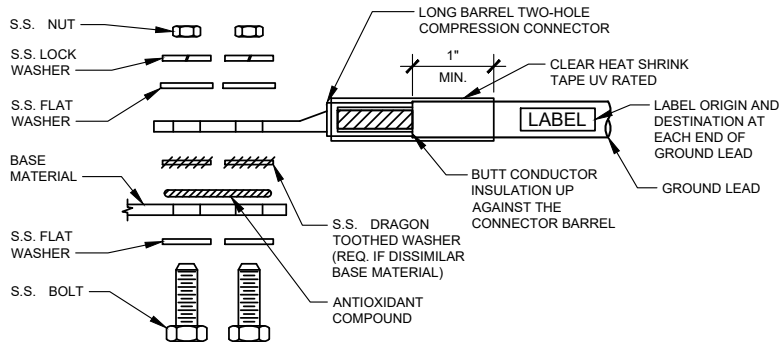
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THEFT DETERRENT POST MOUNT GROUND DETAIL (CEPSG)

SCALE: N.T.S.
(BY VZW GC)

1
G-5

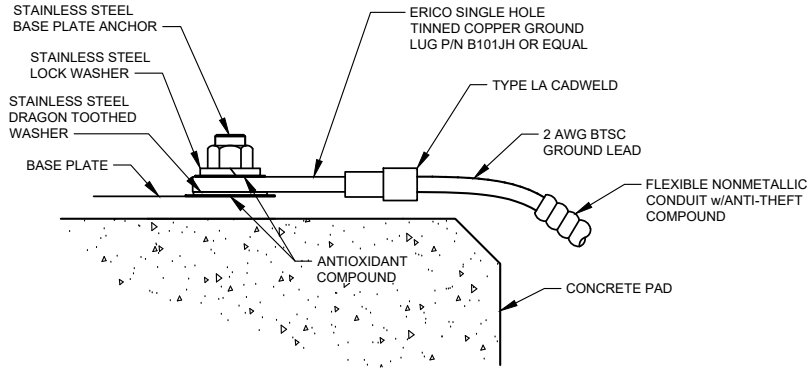


1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
2. CHOOSE BOLT LENGTH TO ALLOW EXPOSURE OF AT LEAST TWO THREADS.
3. BACK TO BACK LUG CONNECTIONS ARE ACCEPTABLE WHEN BONDED TO A GROUND BAR OR STEEL OBJECT.
4. AT CONNECTIONS MADE TO STEEL OR ANY OTHER DISSIMILAR METALS, A DRAGON TOOTH WASHER SHALL BE USED 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. PENTROX OR EQUAL ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO ALUMINUM CONNECTIONS.

GROUND LUG INSTALLATION DETAIL

SCALE: N.T.S.

2
G-5

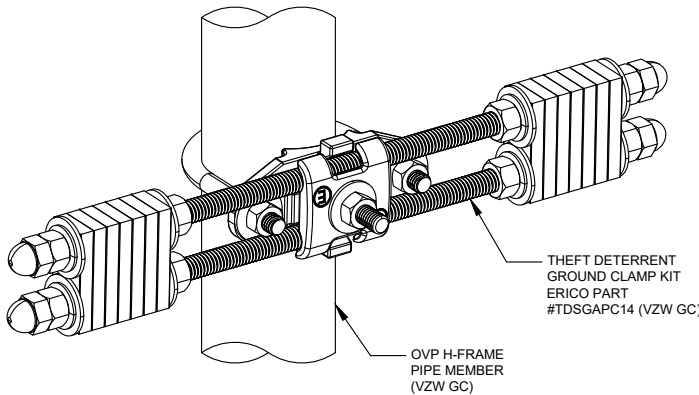


1. ALL HARDWARE SHALL BE 18-8 STAINLESS STEEL.
2. INSTALL ANCHOR LENGTH TO ALLOW EXPOSURE OF AT LEAST TWO THREADS.
3. AT CONNECTIONS MADE TO STEEL OR ANY OTHER DISSIMILAR METALS, A DRAGON TOOTH WASHER SHALL BE USED BETWEEN THE CONNECTOR AND METAL.
4. IF NO DRAGON TOOTH WASHER IS USED, THOROUGHLY REMOVE A SECTION OF THE COATING APPROXIMATELY THE SIZE OF THE CONNECTOR WITH AN ABRASIVE STYLE TOOL.
5. NO-OX-ID ANTI-OXIDATION COMPOUND (SANCHEM) SHALL BE USED AT ALL COPPER TO COPPER CONNECTIONS.
6. A ZINC BASED (GRAY COLORED) ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO STEEL CONNECTIONS.
7. PENTROX OR EQUAL ANTI-OXIDATION COMPOUND SHALL BE USED AT ALL COPPER TO ALUMINUM CONNECTIONS.

GROUND LUG TO BASEPLATE INSTALLATION DETAIL

SCALE: N.T.S.

3
G-5



OVP GROUND ASSEMBLY (OGA)

SCALE: N.T.S.
(BY VZW GC)

4
G-5



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241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

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06/13/25	REV. PER NEW RFS
06/13/25	REV. PER GEN. TYPE
06/13/25	REV. PER E-911
06/13/25	OR ZONING

STEVEN P.
SCHAUB

29008

PROFESSIONAL ENGINEER
06/13/25

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GROUNDING DETAILS

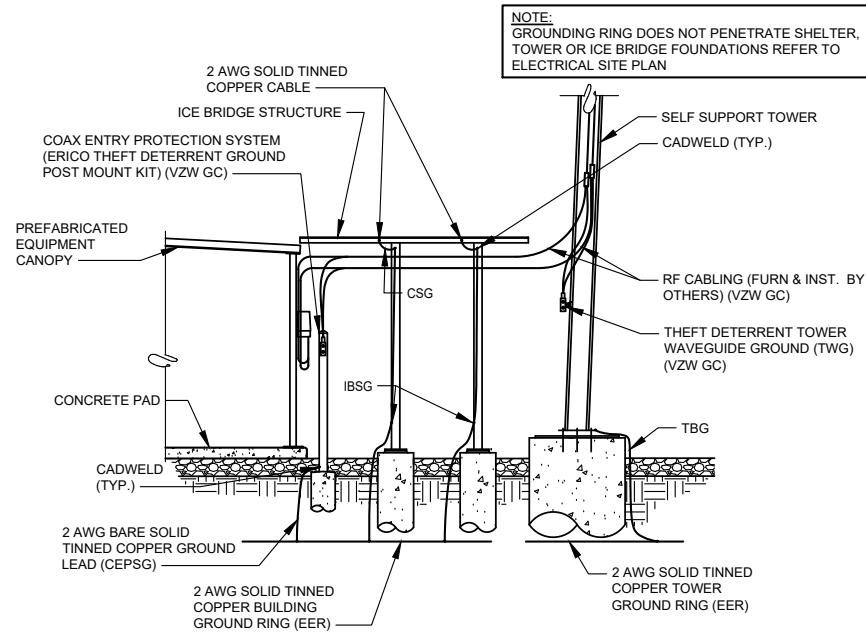
ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

G-5

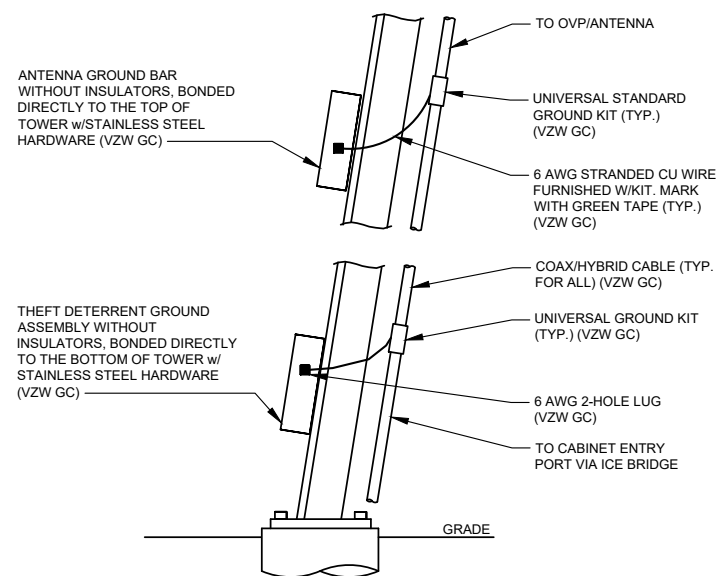
Drawing Name: O:\2025\202570505 EV Equine Hospital Tower Com4_AE01_Dwg_LEV Equine Hospital 90%. REV F
06/13/2025 dwg
June 13, 2025 8:49 AM - C Miller



INTERIOR/EXTERIOR GROUNDING DETAIL

SCALE: N.T.S.

1
G-6

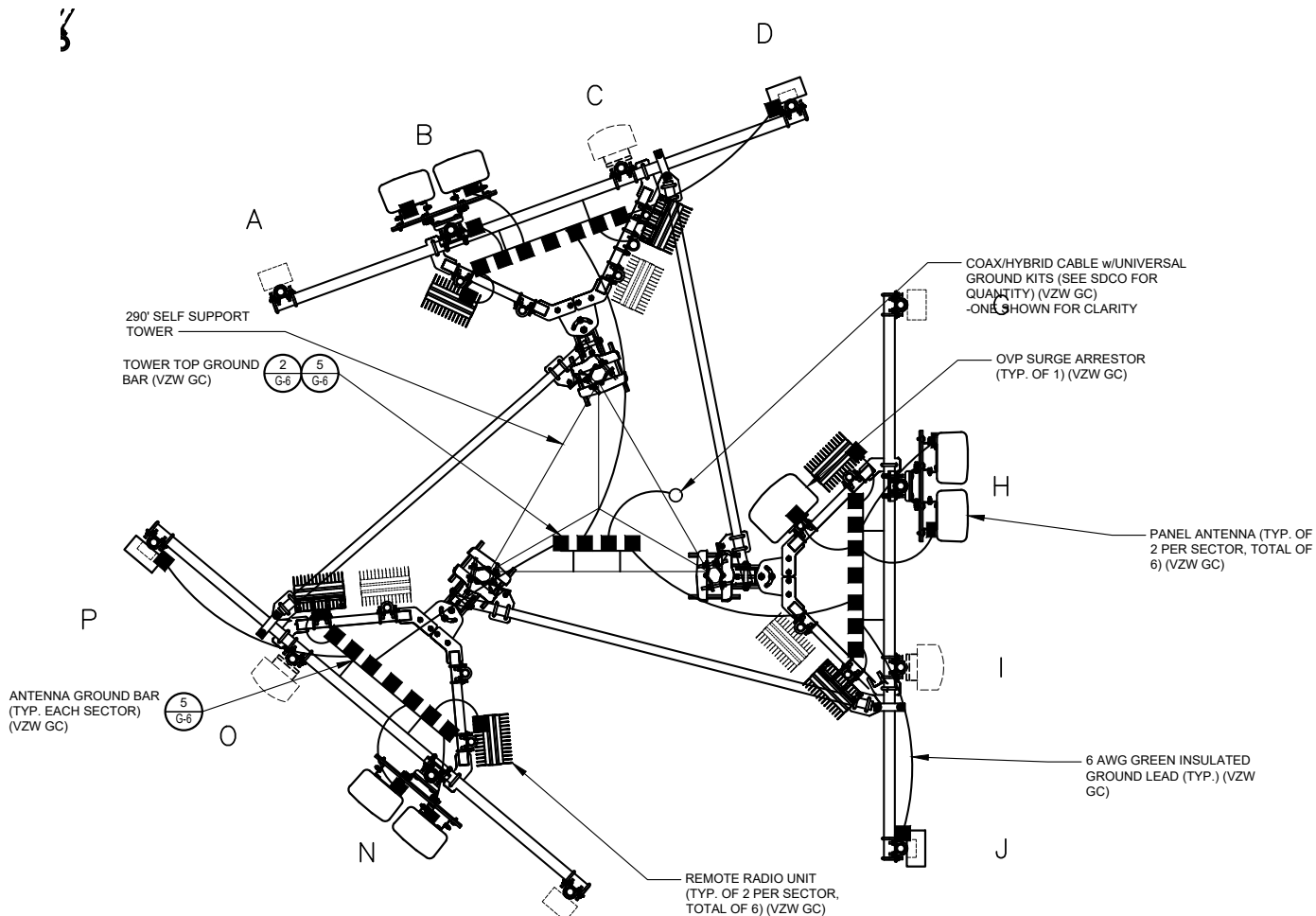


NOTE:
1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED (VZW GC)
2. INSTALL UNIVERSAL GROUND KITS AT ALL GROUND BAR LOCATIONS. (VZW GC)

ANTENNA CABLE GROUNDING INSTALLATION DETAIL

SCALE: N.T.S.

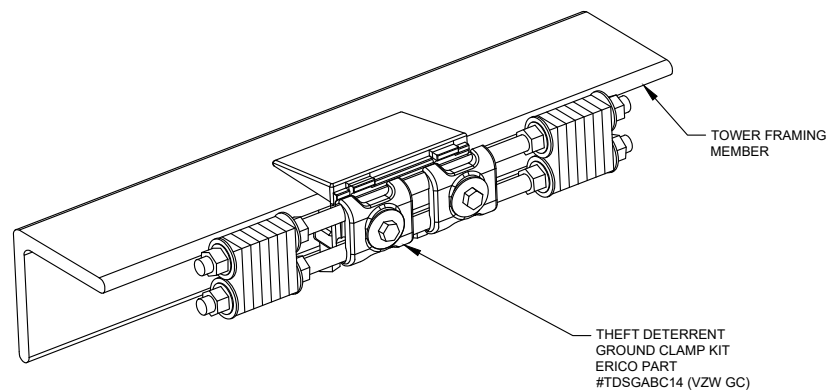
2
G-6



ANTENNA LEVEL GROUNDING PLAN

SCALE: N.T.S.

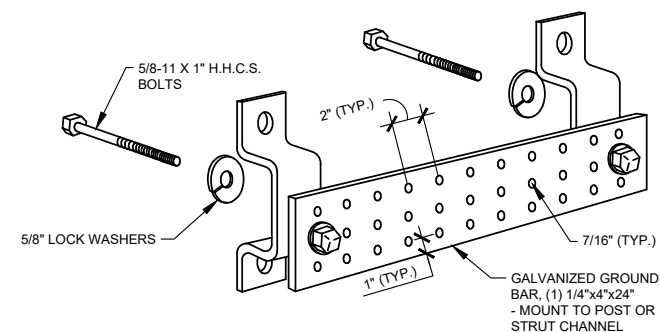
3
G-6



TOWER BOTTOM GROUND ASSEMBLY

SCALE: N.T.S.
(BY VZW GC)

4
G-6



ANTENNA & TOWER TOP GROUND BAR

SCALE: N.T.S.
(BY VZW GC)

5
G-6



520 South Main Street, Suite 2531
Akron, OH 44311
330.572.2100 Fax 330.572.2101



241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

DATE	DESCRIPTION
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	ISSUED FOR 90% REVIEW
06/13/25	REV. PER NEW RDS
06/13/25	REV. PER GEN. TYPE
06/13/25	REV. PER E-911
06/13/25	FOR ZONING

STEVEN P. SCHAUB

29008

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GROUNDING DETAILS

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

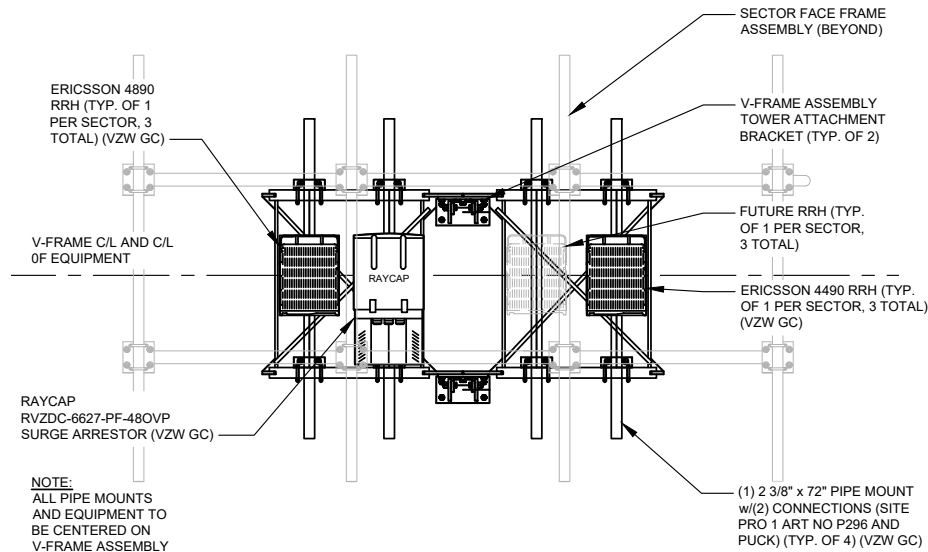
JOB NO.
2025705.05

G-6

Drawing Name: O:\2025\202570508 EV Equine Hospital Tower Com4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:49 AM - C.Miller

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 XXX 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 GROUNDED AT (3) THREE LOCATIONS. ANTENNA LEVEL ON TOWER, TOWER BASE, AND EQUIPMENT H-FRAME.
5. HYBRID CABLES TO BE SUPPORTED EVERY 36" OFF MOUNTING FRAMES WITH LOW PIM HANGERS IN ACCORDANCE WITH ME-RFS-ST-21-001.
6. JUMPER CABLES TO BE SUPPORTED EVERY 18" WITH LOW PIM HANGERS IN ACCORDANCE WITH ME-RFS-ST-21-001.



ANTENNA MOUNT - REAR VIEW (FLATTENED)

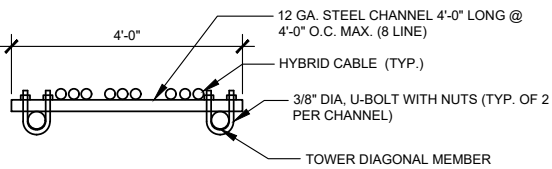
SCALE: N.T.S.
(BY VZW GC)

3
RF-1

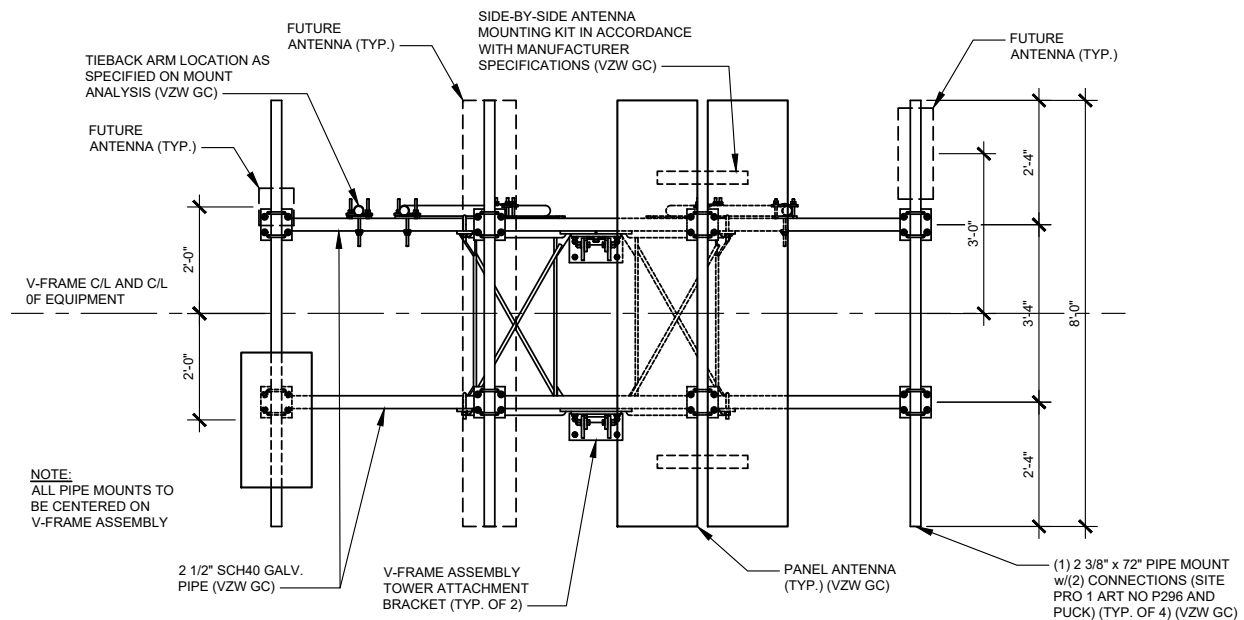
ANTENNA AND HYBRID CABLES

CONTRACTOR MAY SUBSTITUTE AN ALTERNATE METHOD TO SUPPORT THE HYBRID CABLES, BUT SHALL SUBMIT DETAILING OF THE ALTERNATE METHOD TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE INSTALLATION OF THE CABLES.

THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE STRUCTURAL ANALYSIS FOR REQUIRED HYBRID CABLE SUPPORT CONFIGURATIONS NOT INDICATED ON THE DETAIL. I.E. BUNDLED CABLES.



HYBRID CABLE SUPPORT DETAIL



ANTENNA MOUNT - FRONT VIEW

SCALE: N.T.S.
(BY VZW GC)

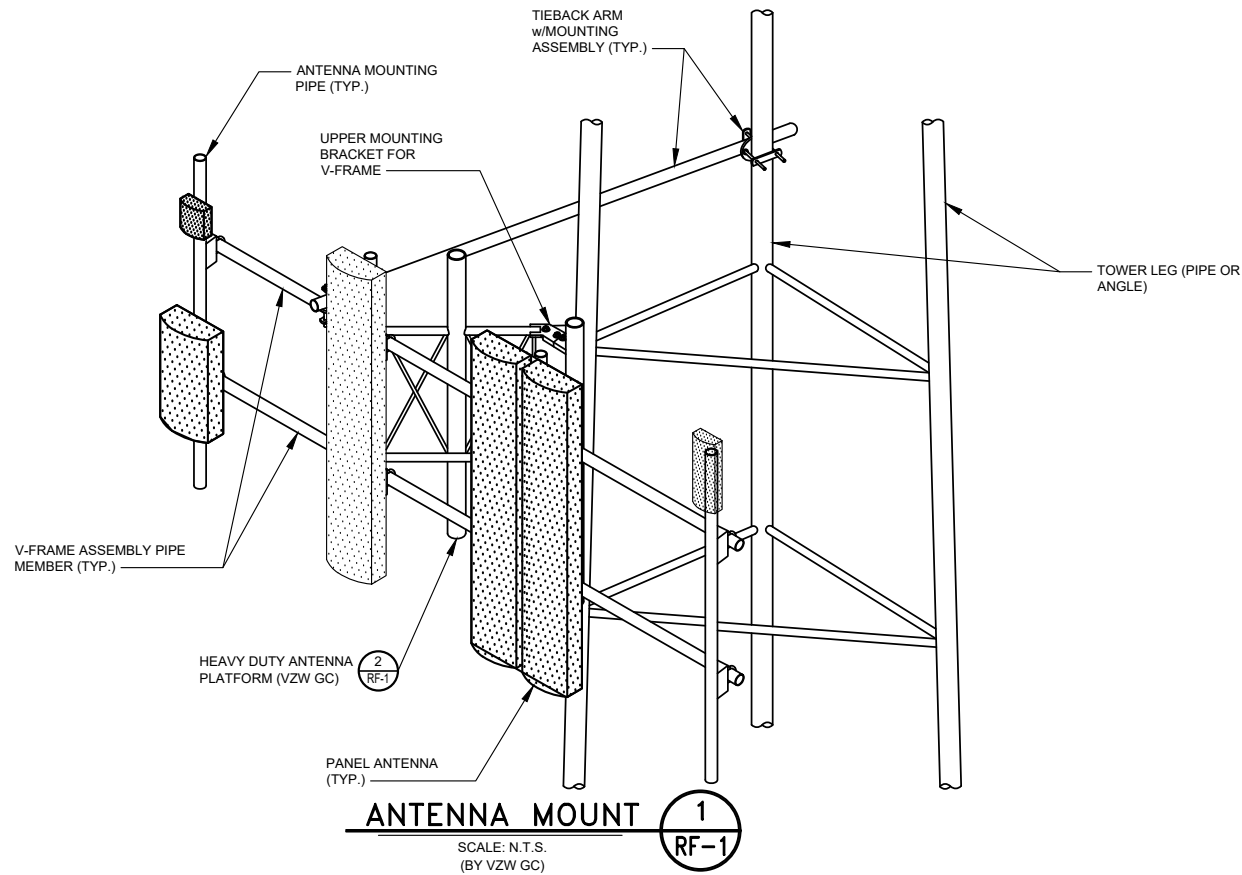
4
RF-1

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)

2
RF-1



ANTENNA MOUNT

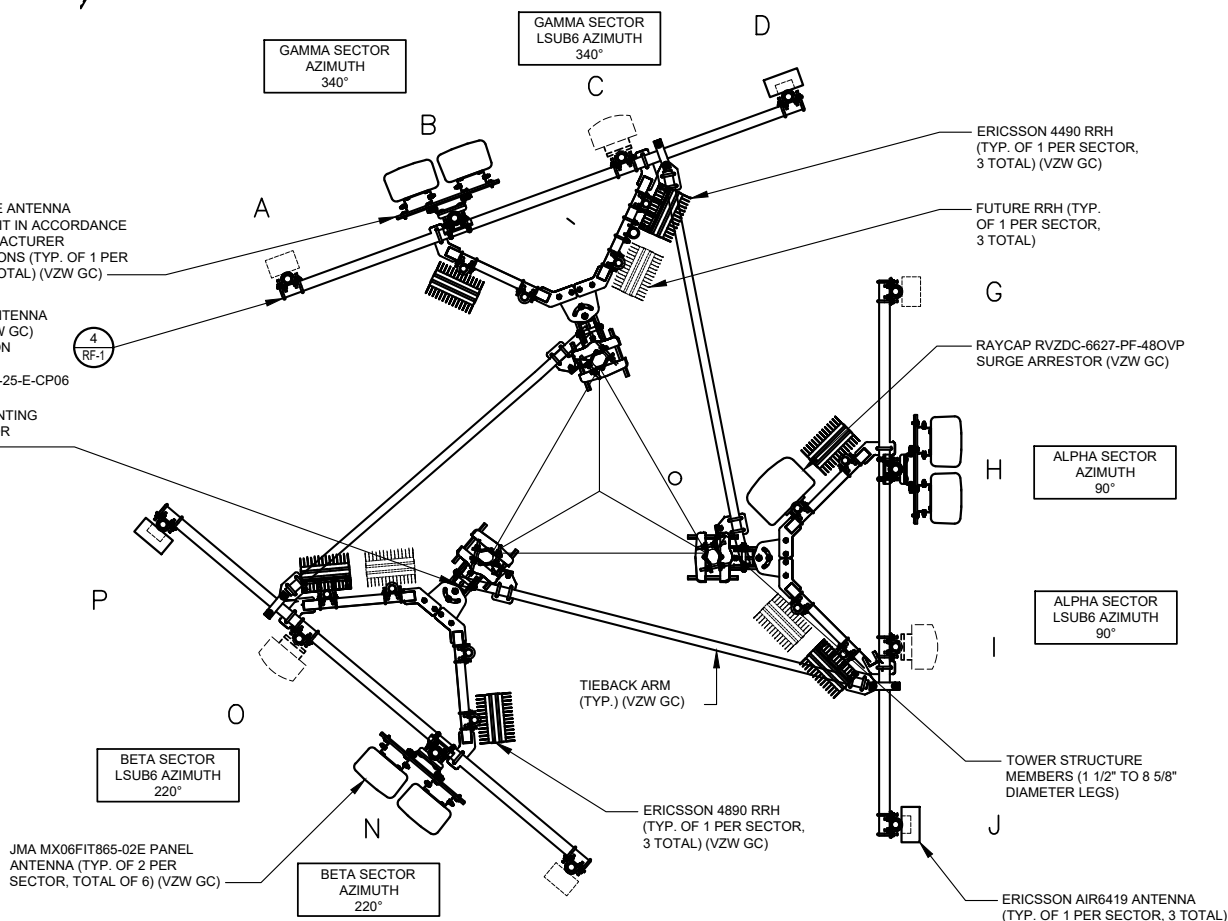
SCALE: N.T.S.
(BY VZW GC)

1
RF-1

SIDE-BY-SIDE ANTENNA MOUNTING KIT IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS (TYP. OF 1 PER SECTOR, 3 TOTAL) (VZW GC)

HEAVY DUTY ANTENNA PLATFORM (VZW GC)
-PERFECT VISION
MODEL#
PV-SFR-GS3X12-25-E-CP06

UPPER MOUNTING BRACKET FOR V-FRAME



REV.	DATE	DESCRIPTION
A	12/28/24	ISSUED FOR 90% REVIEW
B	01/21/25	ISSUED FOR 90% REVIEW
C	02/21/25	REV. PER NEW RFS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	08/13/25	FOR ZONING

REFERENCE ONLY

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

ANTENNA PLAN
AND DETAILS
(REFERENCE ONLY)

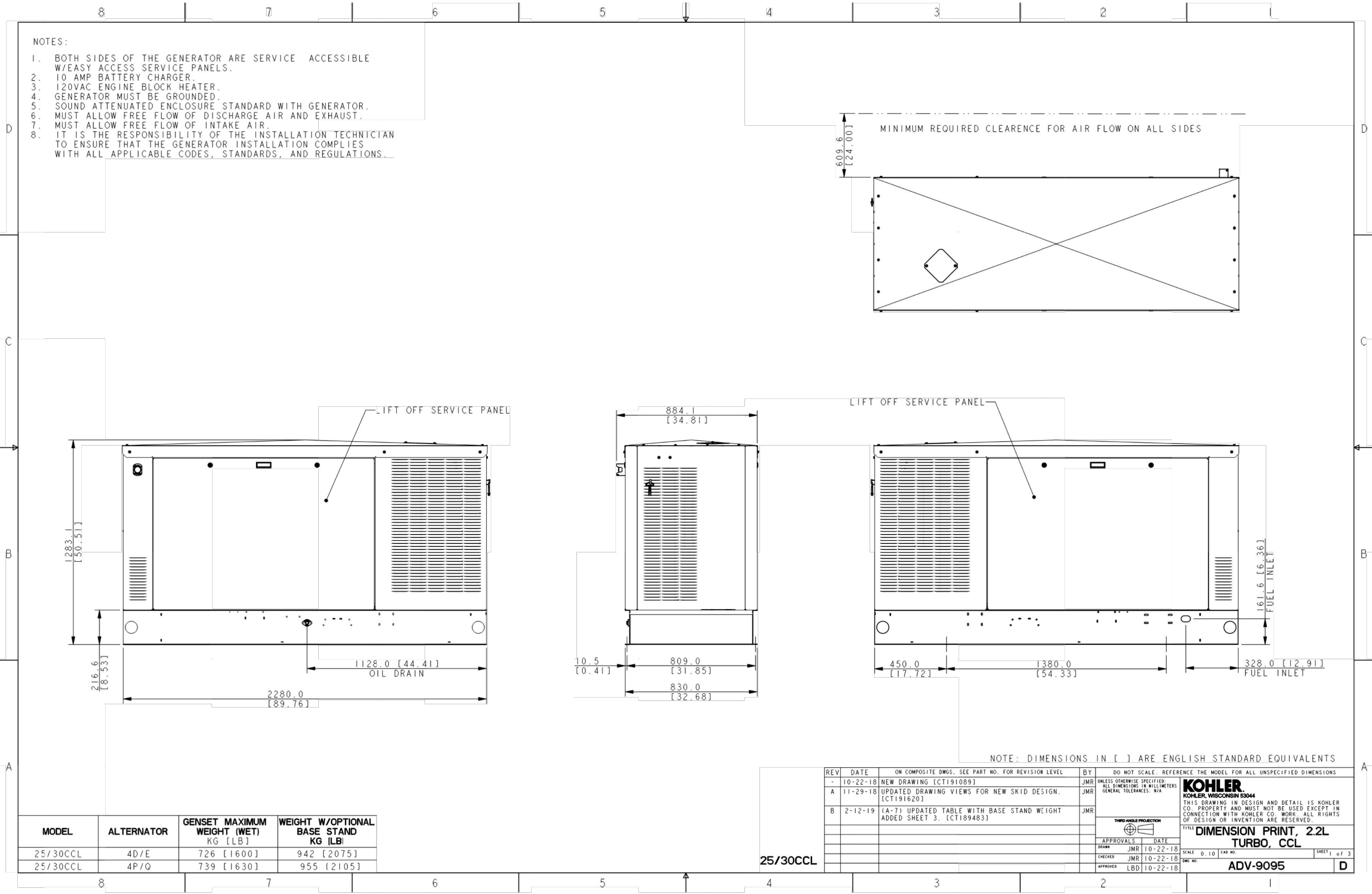
ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---


PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

RF-1

Drawing Name: O:\2025\202570508 EV Equine Hospital Tower Com4_AE01_Dwg_LEV EQUINE HOSPITAL 90%. REV F
06.13.2025 dwg
June 13, 2025 8:50 AM - CMiller





ON AIR, ON TIME

241 ATLANTIC BLVD, STE 201
NEPTUNE BEACH, FL 32266

REV.	DATE	DESCRIPTION
A	12/26/24	ISSUED FOR 90% REVIEW
B	01/21/25	ISSUED FOR 90% REVIEW
C	02/21/25	REV. PER NEW RDS
D	04/04/25	REV. PER GEN. TYPE
E	06/06/25	REV. PER E-911
F	08/13/25	FOR ZONING

REFERENCE ONLY

EQUINE HOSPITAL
313 COLE CEMETERY RD
BENTON, KY 42025

GENERATOR
SPECIFICATIONS
(REFERENCE ONLY)

ISSUED FOR:	
REVIEW	---
PERMIT	---
CONSTRUCTION	---
RECORD	---

PROJECT MANAGER	DESIGNER
TTP	ACM

JOB NO.
2025705.05

REF-1



REFERENCE ONLY

ISSUED FOR:	
REVIEW	---/---/---
PERMIT	---/---/---
CONSTRUCTION	---/---/---
RECORD	---/---/---

JOB NO.
2025705.05

TW-1



EXHIBIT C

LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN

Equine Hospital – List of Qualified Professionals

Thaddeus Johnson
Construction Manager
Risen Communications
4907 NW 7th Street
Ankeny, IA 50023

Ralph M. Wallem
Professional Land Surveyor
Kentucky License 2195
Benchmark Services, Inc.
318 North Main Street
Huntingburg, IN 47542

Christopher J. Scheks
Professional Engineer
Kentucky License 29760
GPD Group, Inc.
520 South Main Street
Suite 2531
Akron, OH 44311

Steven P. Schaub
Professional Engineer
Kentucky License 29008
GPD Group, Inc.
520 South Main Street
Suite 2531
Akron, OH 44311

Kirk R. Hall
Professional Engineer
Kentucky License 25154
World Tower Company, Inc.
1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066

Robert Dixon, E.I.
Delta Oaks Group
2724 Discovery Drive
Suite 110 & 120
Raleigh, NC 27616

Joseph V. Borrelli, Jr.
Professional Engineer
Kentucky License 30809
Delta Oaks Group
2724 Discovery Drive
Suite 110 & 120
Raleigh, NC 27616

Alfredo Grimaldo
RF Engineer
Verizon Wireless
2421 Holloway Road
Louisville, Kentucky 40299



World Tower
COMPANY, INC.

1213 Compressor Drive
P.O. Box 508
Mayfield, KY 42066
270-247-3642
FAX: 270-247-0909
E-mail: worldtower@worldtower.com
Web: www.worldtower.com

290' MODEL WSSTP TOWER
FOR: TOWERCOM
SITE: EQUINE HOSPITAL / BENTON
MARSHALL COUNTY, KY
DESIGN PACKAGE

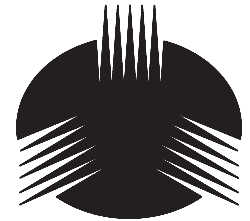


6-10-2025

Fabrication, Installation, and Maintenance of TV, AM, FM, & Wireless Communications Towers

GENERAL TOWER NOTES:

1. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISION OF THE AMERICAN WELDING SOCIETY AWS. D 1.1.
2. TOWER AND ALL FABRICATED ACCESSORIES ARE HOT-DIP GALVANIZED.
3. ALL BOLTS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATION FOR ZINC COATING OF IRON AND STEEL HARDWARE ASTM A153.
4. LEG STEEL IS 50 KSI MIN YIELD SOLID ROUND OR PIPE AND BRACING STEEL IS 36 KSI MIN YIELD SOLID ROUND OR A529-50 STRUCTURAL ANGLE.
5. ALL STRUCTURAL BOLTS ARE ASTM A325.
6. TOWER SHOULD BE INSPECTED IN ACCORDANCE WITH TIA-222-H EVERY 5 YEARS.
7. TOWER INSPECTION SHOULD ONLY BE PERFORMED BY EXPERIENCED QUALIFIED PERSONNEL. FOR ASSISTANCE IN PROPER MAINTENANCE OF YOUR TOWER, CALL WORLD TOWER AT 270-247-3642.



WORLD TOWER

1213 COMPRESSOR DRIVE
MAYFIELD, KY 42066
P: 270-246-3642 F: 270-247-0909
WWW.WORLDTOWER.COM

SEAL

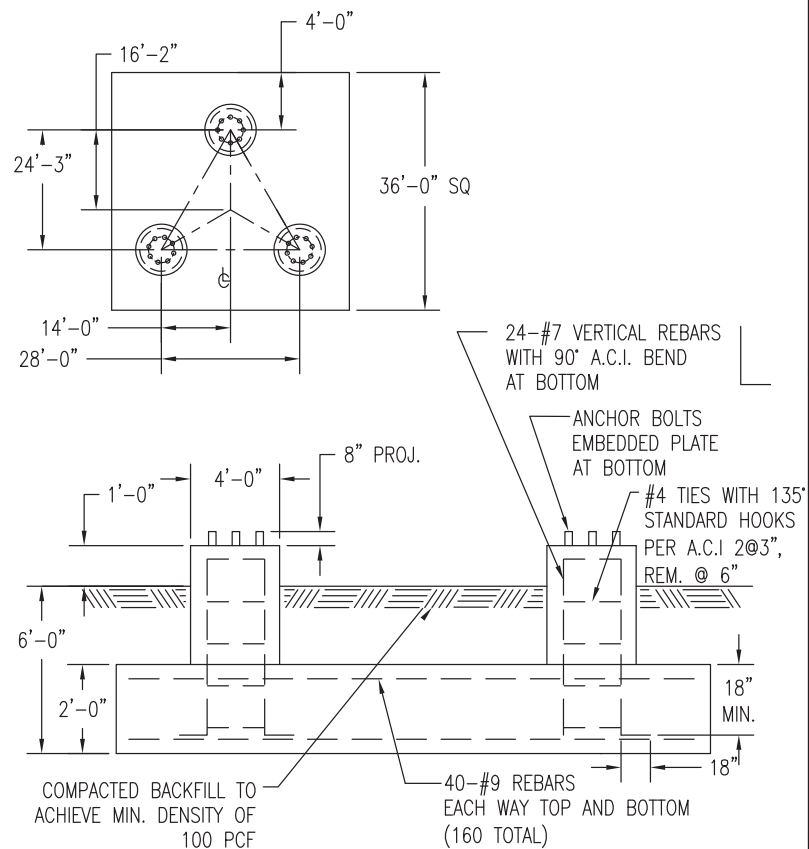
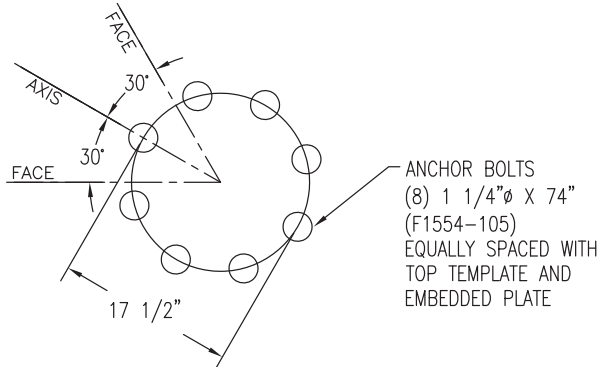
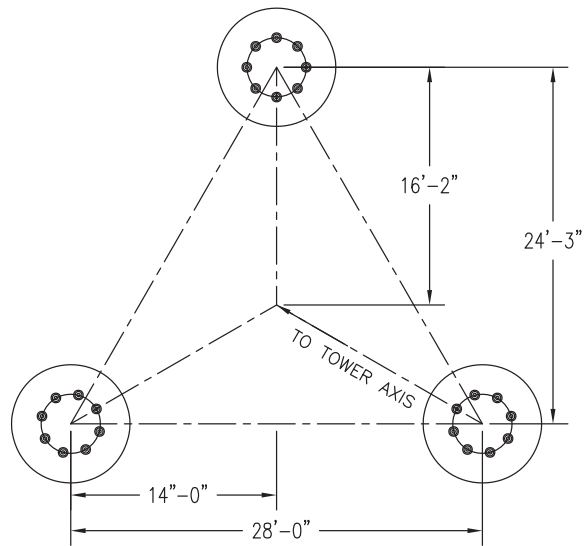
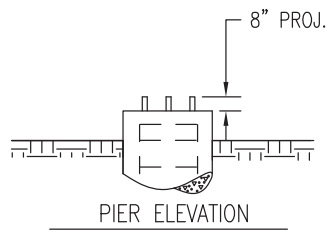


6-10-2025

REV.	DESCRIPTION	BY	DATE

290' MODEL WSSTP TOWER
FOR: TOWERCOM
SITE: EQUINE HOSPITAL / BENTON
MARSHALL COUNTY, KY

SCALE	NONE	DWN.	LKC	CKD.	DATE	6-10-25
FILE				DWG. NO.	Q250210N	

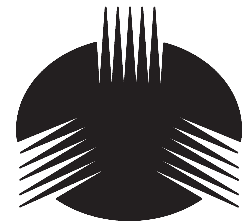


FOUNDATION NOTES

1. CONCRETE TO HAVE 4000 PSI MINIMUM COMPRESSIVE STRENGTH AFTER 28 DAYS.
2. ALL REINFORCEMENT STEEL IS DEFORMED AND MEETS THE STRENGTH REQUIREMENTS OF ASTM A615 GRADE 60.
3. EMBEDDED STEEL TO HAVE 3" MINIMUM CONCRETE COVER.
4. FOUNDATION DESIGN IS BASED UPON CUSTOMER SUPPLIED SOILS DATA BY DELTA OAKS GROUP. PROJECT NUMBER GEO25-25874-08 DATED JUNE 6, 2025.

103.0 CU. YDS.
CONCRETE REQ'D.

BASE REACTIONS	
OTM:	12549.0 FT. KIPS
COMP.	555.0 KIPS
UPLIFT	470.0 KIPS
SHEAR (3 LEGS)	72.0 KIPS
WT. NO ICE	111.0 KIPS
WT. 1 1/2" ICE	242.0 KIPS



WORLD TOWER

1213 COMPRESSOR DRIVE
MAYFIELD, KY 42066
P: 270-246-3642 F: 270-247-0909
WWW.WORLDTOWER.COM

SEAL



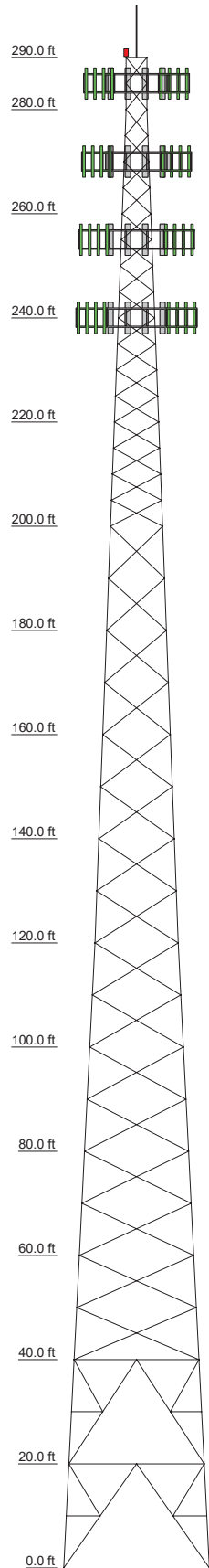
6-10-2025

REV.	DESCRIPTION	BY	DATE

290' MODEL WSSTP TOWER
FOR: TOWERCOM
SITE: EQUINE HOSPITAL / BENTON
MARSHALL COUNTY, KY

SCALE	NONE	DWN.	LKG	CKD.	DATE	6-10-25
FILE				DWG. NO.	Q250210F	

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15
Legs	P3x216	P4x237	P6x28	P8x.322	P10x.365	L3 1/2x3 1/2x1/4	L4x4x1/4	2L3 1/2x3 1/2x1/4x1/2	L3 1/2x3 1/2x1/4	L4x4x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4	L3 1/2x3 1/2x1/4
Leg Grade	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diagonals	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16
Diagonal Grade	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Top Girts	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Horizontals	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Red. Horizontals	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Red. Diagonals	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Inner Bracing	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Face Width (ft)	4	5.5	7	8.5	10	11.5	13	14.5	16 @ 10	18	20	22	24	26	28
# Panels @ (ft)	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5	18 @ 5
Weight (K)	0.4	0.9	1.2	1.8	2.5	2.7	3.5	3.6	3.6	4.3	4.4	5.5	6.4	6.5	49.3



ALL REACTIONS
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 555 K
SHEAR: 46 K

UPLIFT: -470 K
SHEAR: 40 K

AXIAL
242 K

SHEAR
9 K

MOMENT
1570 kip-ft

TORQUE 3 kip-ft
30.00 mph WIND - 1.50 in ICE

AXIAL
111 K

SHEAR
72 K

MOMENT
12549 kip-ft

TORQUE 30 kip-ft
REACTIONS - 106.00 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Beacon	290	Carrier #2 - 30,000 sq in	270
Lightning Rod 9/16x10'	290	Carrier #3 - 20,000 sq in	255
Carrier #1 - 42,000 sq in	285	Carrier #4 - 15,000 sq in	240

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L2x2x1/8	B	L2 1/2x2 1/2x3/16

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A529-50	50 ksi	65 ksi

TOWER DESIGN NOTES

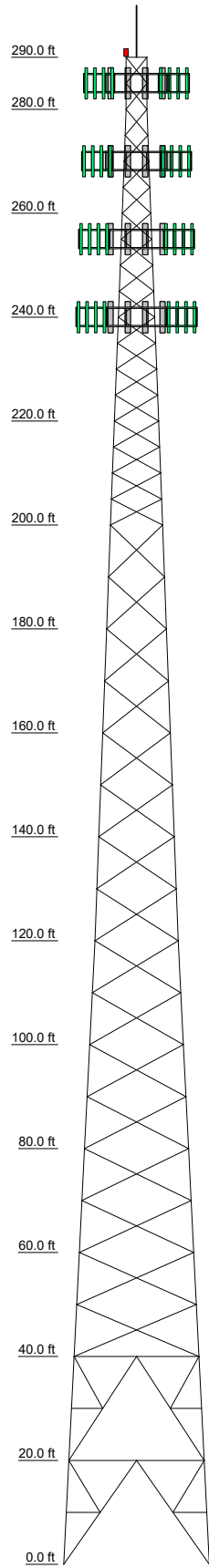
1. Tower is located in Marshall County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 106.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0 ft
8. TOWER RATING: 98.3%



6-10-2025

World Tower Company			Job: 290' WSST Tower / WTC Q25-210		
1213 Compressor Drive			Project: Equine Hospital		
Mayfield, KY 42066			Client: TowerCom	Drawn by: kirk	App'd:
Phone: (270) 247-3642			Code: TIA-222-H	Date: 06/09/25	Scale: NTS
FAX: www.worldtower.com			Path: C:\Tower\PE Run\2025 PE\Q25-210 benton equine hospital\Q25-210.dwg	Dwg No. E-1	

Section	T15	T14	T13	T12	T11	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1
Legs		P12x375				P10x365					P8x322		P4x237		P3x216
Leg Grade								A572-50							
Diagonals		2L3 1/2x3 1/2x1/4x1/2			L3 1/2x3 1/2x1/4			L3x3x3/16							
Diagonal Grade								A529-50							
Top Girts								N.A.							
Horizontals		L4x4x1/4													
Red. Horizontals															
Red. Diagonals															
Inner Bracing															
Face Width (ft)	28	26	24	22	20	18	16 @ 10	14.5	13	11.5	10	8.5	7	5.5	4
# Panels @ (ft)		2 @ 20											18 @ 5		
Weight (K)	49.3	6.5	0.4	5.5	4.4	4.3	3.6	3.6	3.5	2.7	2.5	1.9	1.2	0.9	0.4



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Beacon	290	Carrier #2 - 30,000 sq in	270
Lightning Rod 9/16x10'	290	Carrier #3 - 20,000 sq in	255
Carrier #1 - 42,000 sq in	285	Carrier #4 - 15,000 sq in	240

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L2x2x1/8	B	L2 1/2x2 1/2x3/16

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A529-50	50 ksi	65 ksi

TOWER DESIGN NOTES

1. Tower is located in Marshall County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 106.00 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 30.00 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60.00 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0 ft
8. TOWER RATING: 98.3%

ALL REACTIONS
ARE FACTORED

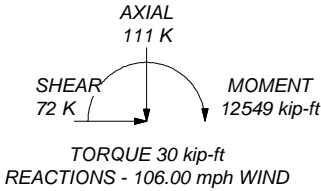
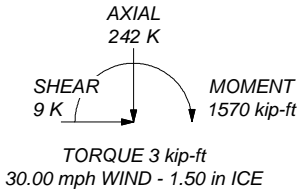
MAX. CORNER REACTIONS AT BASE:

DOWN: 555 K

SHEAR: 46 K

UPLIFT: -470 K

SHEAR: 40 K



World Tower Company
1213 Compressor Drive
Mayfield, KY 42066
Phone: (270) 247-3642
FAX: www.worldtower.com

Job:	290' WSST Tower / WTC Q25-210		
Project:	Equine Hospital		
Client:	TowerCom	Drawn by:	kirk
Code:	TIA-222-H	Date:	06/09/25
Path:	C:\Tower\PE Run\2025 PE\Q25-210 benton equine hospital\Q25-210.dwg		Dwg No. E-1

<i>tnxTower</i> World Tower Company 1213 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: www.worldtower.com	Job 290' WSST Tower / WTC Q25-210	Page 1 of 26
	Project Equine Hospital	Date 13:23:53 06/09/25
	Client TowerCom	Designed by kirk

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 290.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 4.00 ft at the top and 28.00 ft at the base.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower is located in Marshall County, Kentucky.

Tower base elevation above sea level: 497 ft.

Basic wind speed of 106.00 mph.

Risk Category II.

Exposure Category C.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0 ft.

Nominal ice thickness of 1.50 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 30.00 mph is used in combination with ice.

Temperature drop of 50 °F.

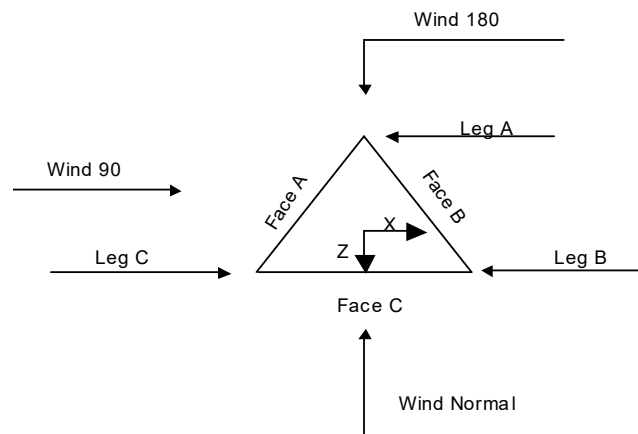
Deflections calculated using a wind speed of 60.00 mph.

Non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in tower member design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.



Triangular Tower

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Tower Section Geometry

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Assembly Database</i>	<i>Description</i>	<i>Section Width</i>	<i>Number of Sections</i>	<i>Section Length</i>
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1	290.00-280.00			4.00	1	10.00
T2	280.00-260.00			4.00	1	20.00
T3	260.00-240.00			5.50	1	20.00
T4	240.00-220.00			7.00	1	20.00
T5	220.00-200.00			8.50	1	20.00
T6	200.00-180.00			10.00	1	20.00
T7	180.00-160.00			11.50	1	20.00
T8	160.00-140.00			13.00	1	20.00
T9	140.00-120.00			14.50	1	20.00
T10	120.00-100.00			16.00	1	20.00
T11	100.00-80.00			18.00	1	20.00
T12	80.00-60.00			20.00	1	20.00
T13	60.00-40.00			22.00	1	20.00
T14	40.00-20.00			24.00	1	20.00
T15	20.00-0.00			26.00	1	20.00

Tower Section Geometry (cont'd)

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Diagonal Spacing</i>	<i>Bracing Type</i>	<i>Has K Brace End Panels</i>	<i>Has Horizontals</i>	<i>Top Girt Offset</i>	<i>Bottom Girt Offset</i>
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1	290.00-280.00	5.00	X Brace	No	No	0.00	0.00
T2	280.00-260.00	5.00	X Brace	No	No	0.00	0.00
T3	260.00-240.00	5.00	X Brace	No	No	0.00	0.00
T4	240.00-220.00	5.00	X Brace	No	No	0.00	0.00
T5	220.00-200.00	5.00	X Brace	No	No	0.00	0.00
T6	200.00-180.00	10.00	X Brace	No	No	0.00	0.00
T7	180.00-160.00	10.00	X Brace	No	No	0.00	0.00
T8	160.00-140.00	10.00	X Brace	No	No	0.00	0.00
T9	140.00-120.00	10.00	X Brace	No	No	0.00	0.00
T10	120.00-100.00	10.00	X Brace	No	No	0.00	0.00
T11	100.00-80.00	10.00	X Brace	No	No	0.00	0.00
T12	80.00-60.00	10.00	X Brace	No	No	0.00	0.00
T13	60.00-40.00	10.00	X Brace	No	No	0.00	0.00
T14	40.00-20.00	20.00	K1 Down	No	Yes	0.00	0.00
T15	20.00-0.00	20.00	K1 Down	No	Yes	0.00	0.00

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
<i>ft</i>						
T1 290.00-280.00	Pipe	P3x.216	A572-50 (50 ksi)	Equal Angle	L2x2x1/8	A529-50 (50 ksi)

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<i>Tower Elevation ft</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
T2 280.00-260.00	Pipe	P3x.216	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T3 260.00-240.00	Pipe	P4x.237	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T4 240.00-220.00	Pipe	P6x.28	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T5 220.00-200.00	Pipe	P6x.28	A572-50 (50 ksi)	Equal Angle	L2x2x3/16	A529-50 (50 ksi)
T6 200.00-180.00	Pipe	P8x.322	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A529-50 (50 ksi)
T7 180.00-160.00	Pipe	P8x.322	A572-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T8 160.00-140.00	Pipe	P10x.365	A572-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T9 140.00-120.00	Pipe	P10x.365	A572-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T10 120.00-100.00	Pipe	P10x.365	A572-50 (50 ksi)	Equal Angle	L3x3x3/16	A529-50 (50 ksi)
T11 100.00-80.00	Pipe	P10x.365	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)
T12 80.00-60.00	Pipe	P10x.365	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)
T13 60.00-40.00	Pipe	P12x.375	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A529-50 (50 ksi)
T14 40.00-20.00	Pipe	P12x.375	A572-50 (50 ksi)	Double Equal Angle	2L3 1/2x3 1/2x1/4x1/2	A529-50 (50 ksi)
T15 20.00-0.00	Pipe	P12x.375	A572-50 (50 ksi)	Double Equal Angle	2L3 1/2x3 1/2x1/4x1/2	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T1 290.00-280.00	Equal Angle	L2x2x1/8	A529-50 (50 ksi)	Equal Angle		A36 (36 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T14 40.00-20.00	None	Double Angle		A36 (36 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)
T15 20.00-0.00	None	Double Angle		A36 (36 ksi)	Equal Angle	L4x4x1/4	A529-50 (50 ksi)

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Tower Section Geometry (cont'd)

Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
<i>ft</i>						
T14 40.00-20.00	Equal Angle		A36 (36 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)
T15 20.00-0.00	Equal Angle		A36 (36 ksi)	Equal Angle	L3 1/2x3 1/2x1/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Redundant Bracing Grade</i>		<i>Redundant Type</i>	<i>Redundant Size</i>	<i>K Factor</i>	
<i>ft</i>						
40.00-20.00	T14	A529-50 (50 ksi)	Horizontal (1)	Equal Angle	L3x3x3/16	1
		A529-50 (50 ksi)	Diagonal (1)	Equal Angle	L3 1/2x3 1/2x1/4	1
20.00-0.00	T15	A529-50 (50 ksi)	Horizontal (1)	Equal Angle	L3x3x3/16	1
		A529-50 (50 ksi)	Diagonal (1)	Equal Angle	L3 1/2x3 1/2x1/4	1

Tower Section Geometry (cont'd)

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
<i>ft</i>	<i>ft²</i>	<i>in</i>					<i>in</i>	<i>in</i>	<i>in</i>
T1 290.00-280.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T2 280.00-260.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T3 260.00-240.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T4 240.00-220.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T5 220.00-200.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T6 200.00-180.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T7 180.00-160.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T8 160.00-140.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T9 140.00-120.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T10 120.00-100.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T11 100.00-80.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T12 80.00-60.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00
T13 60.00-40.00	0.00	0.38	A36 (36 ksi)	1	1	1.1	0.00	0.00	36.00

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
T14 40.00-20.00	0.00	0.50	A36 (36 ksi)	1	1	1.1	Third-Pt	0.00	36.00
T15 20.00-0.00	0.00	0.50	A36 (36 ksi)	1	1	1.1	Third-Pt	0.00	36.00

Tower Section Geometry (cont'd)

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹							
			Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 290.00-280.00	Yes	Yes	1	1	1	1	1	1	1	1
T2 280.00-260.00	Yes	Yes	1	1	1	1	1	1	1	1
T3 260.00-240.00	Yes	Yes	1	1	1	1	1	1	1	1
T4 240.00-220.00	Yes	Yes	1	1	1	1	1	1	1	1
T5 220.00-200.00	Yes	Yes	1	1	1	1	1	1	1	1
T6 200.00-180.00	Yes	Yes	1	1	1	1	1	1	1	1
T7 180.00-160.00	Yes	Yes	1	1	1	1	1	1	1	1
T8 160.00-140.00	Yes	Yes	1	1	1	1	1	1	1	1
T9 140.00-120.00	Yes	Yes	1	1	1	1	1	1	1	1
T10 120.00-100.00	Yes	Yes	1	1	1	1	1	1	1	1
T11 100.00-80.00	Yes	Yes	1	1	1	1	1	1	1	1
T12 80.00-60.00	Yes	Yes	1	1	1	1	1	1	1	1
T13 60.00-40.00	Yes	Yes	1	1	1	1	1	1	1	1
T14 40.00-20.00	Yes	Yes	1	1	1	1	1	1	1	1
T15 20.00-0.00	Yes	Yes	1	1	1	1	1	1	1	1

¹Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.

Tower Section Geometry (cont'd)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T4 240.00-220.00	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T5 220.00-200.00	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
T6 200.00-180.00	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T7 180.00-160.00	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
T8 160.00-140.00	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T9 140.00-120.00	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)
T10 120.00-100.00	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (1)	0.00	0.75 (1)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T11 100.00-80.00	0.00	0.75 (2)	0.00	0.75 (2)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)							0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T12 80.00-60.00	0.00	0.75 (4)	0.00	0.75 (4)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)							0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T13 60.00-40.00	0.00	0.75 (4)	0.00	0.75 (4)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)							0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T14 40.00-20.00	0.00	0.75 (4)	0.00	0.75 (4)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)							0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
T15 20.00-0.00	0.00	0.75 (4)	0.00	0.75 (4)	0.00	0.75	0.00	0.75	0.00	0.75	0.00	0.75 (4)	0.00	0.75 (4)
	0.00	0.75 (1)	0.00	0.75 (1)							0.00	0.75 (1)	0.00	0.75 (1)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (2)	0.00	0.75 (2)							0.00	0.75 (2)	0.00	0.75 (2)
	0.00	0.75 (3)	0.00	0.75 (3)							0.00	0.75 (3)	0.00	0.75 (3)
	0.00	0.75 (4)	0.00	0.75 (4)							0.00	0.75 (4)	0.00	0.75 (4)

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Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 290.00-280.00	Flange	0.75 A325X	4	0.62 A325X	1	0.62 A325X	1	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T2 280.00-260.00	Flange	0.75 A325X	4	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T3 260.00-240.00	Flange	1.00 A325X	4	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T4 240.00-220.00	Flange	1.00 A325X	6	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T5 220.00-200.00	Flange	1.00 A325X	6	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T6 200.00-180.00	Flange	1.25 A325X > 1	6	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.62 A325X	0
T7 180.00-160.00	Flange	1.25 A325X > 1	6	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.75 A325X	0
T8 160.00-140.00	Flange	1.25 A325X > 1	8	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.75 A325X	0
T9 140.00-120.00	Flange	1.25 A325X > 1	8	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.88 A325X	0
T10 120.00-100.00	Flange	1.25 A325X > 1	8	0.62 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.88 A325X	0
T11 100.00-80.00	Flange	1.25 A325X > 1	8	0.75 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.75 A325X	0
T12 80.00-60.00	Flange	1.25 A325X > 1	8	0.75 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.75 A325X	0
T13 60.00-40.00	Flange	1.25 A325X > 1	8	0.75 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.00 A325X	0	0.75 A325X	0
T14 40.00-20.00	Flange	1.25 A325X > 1	8	0.75 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.75 A325X	1	0.75 A325X	0
T15 20.00-0.00	Flange	1.25 F1554-105	8	0.75 A325X	1	0.00 A325X	0	0.00 A325X	0	0.62 A325X	0	0.75 A325X	1	0.75 A325X	0

Tower Section Geometry (cont'd)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 290.00-280.00	0.62 A325N	0 (1)	0.62 A325N	0 (1)	0.62 A325N	0	0.62 A325N	0	0.62 A325N	0	0.62 A325N	0 (1)	0.62 A325N	0 (1)

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T2 280.00-260.00	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T3 260.00-240.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
T4 240.00-220.00	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
T5 220.00-200.00	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
T6 200.00-180.00	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T7 180.00-160.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
T8 160.00-140.00	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T9 140.00-120.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T10 120.00-100.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T11 100.00-80.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T12 80.00-60.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T13 60.00-40.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.62	0 (1)	0.62	0 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T14 40.00-20.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.75	1 (1)	0.75	1 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
T15 20.00-0.00	0.62	0 (3)	0.62	0 (3)							0.62	0 (3)	0.62	0 (3)
	A325N		A325N								A325N		A325N	
	0.62	0 (4)	0.62	0 (4)							0.62	0 (4)	0.62	0 (4)
	A325N		A325N								A325N		A325N	
	0.75	1 (1)	0.75	1 (1)	0.62	0	0.62	0	0.62	0	0.62	0 (1)	0.62	0 (1)
	A325N		A325N		A325N		A325N		A325N		A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	
	0.62	0 (2)	0.62	0 (2)							0.62	0 (2)	0.62	0 (2)
	A325N		A325N								A325N		A325N	

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0.62 A325N	0 (3)	0.62 A325N	0 (3)				0.62 A325N	0 (3)	0.62 A325N	0 (3)
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0.62 A325N	0 (4)	0.62 A325N	0 (4)				0.62 A325N	0 (4)	0.62 A325N	0 (4)
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Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
W/G LADDER RAIL*	A	No	No	Af (CaAa)	5.00 - 290.00	2	2	36.00	0.25		2.50
W/G LADDER RAIL*	B	No	No	Af (CaAa)	5.00 - 270.00	2	2	36.00	0.25		2.50
W/G LADDER RAIL*	C	No	No	Af (CaAa)	5.00 - 255.00	2	2	36.00	0.25		2.50
Safety Line 3/8 ***	A	No	No	Ar (CaAa)	5.00 - 290.00	1	1	0.50	0.38		0.22
1 5/8	A	No	No	Ar (CaAa)	5.00 - 285.00	18	9	0.50	1.98		1.04
1 5/8	B	No	No	Ar (CaAa)	5.00 - 270.00	12	6	0.50	1.98		1.04
1 5/8	C	No	No	Ar (CaAa)	240.00 - 255.00	12	6	0.50	1.98		1.04
1 5/8	C	No	No	Ar (CaAa)	5.00 - 240.00	18	9	0.50	1.98		1.04

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
T1	290.00-280.00	A	0.000	0.000	19.028	0.000	0.15
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
T2	280.00-260.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	24.593	0.000	0.17
		C	0.000	0.000	0.000	0.000	0.00
T3	260.00-240.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
		C	0.000	0.000	36.890	0.000	0.26
T4	240.00-220.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
		C	0.000	0.000	72.947	0.000	0.47
T5	220.00-200.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
		C	0.000	0.000	72.947	0.000	0.47
T6	200.00-180.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
		C	0.000	0.000	72.947	0.000	0.47
T7	180.00-160.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
		C	0.000	0.000	72.947	0.000	0.47
T8	160.00-140.00	A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35

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<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight</i>
			<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>K</i>
T9	140.00-120.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T10	120.00-100.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T11	100.00-80.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T12	80.00-60.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T13	60.00-40.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T14	40.00-20.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	73.697	0.000	0.48
		B	0.000	0.000	49.187	0.000	0.35
T15	20.00-0.00	C	0.000	0.000	72.947	0.000	0.47
		A	0.000	0.000	55.273	0.000	0.36
		B	0.000	0.000	36.890	0.000	0.26
		C	0.000	0.000	54.710	0.000	0.36

Feed Line/Linear Appurtenances Section Areas - With Ice

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight</i>
				<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>K</i>
T1	290.00-280.00	A	1.861	0.000	0.000	29.136	0.000	0.70
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T2	280.00-260.00	A	1.851	0.000	0.000	91.615	0.000	2.15
		B		0.000	0.000	33.035	0.000	0.79
		C		0.000	0.000	0.000	0.000	0.00
T3	260.00-240.00	A	1.837	0.000	0.000	91.355	0.000	2.13
		B		0.000	0.000	65.862	0.000	1.58
		C		0.000	0.000	49.397	0.000	1.18
T4	240.00-220.00	A	1.821	0.000	0.000	91.076	0.000	2.12
		B		0.000	0.000	65.640	0.000	1.57
		C		0.000	0.000	83.041	0.000	2.02
T5	220.00-200.00	A	1.805	0.000	0.000	90.775	0.000	2.10
		B		0.000	0.000	65.399	0.000	1.56
		C		0.000	0.000	82.805	0.000	2.00
T6	200.00-180.00	A	1.787	0.000	0.000	90.446	0.000	2.09
		B		0.000	0.000	65.136	0.000	1.54
		C		0.000	0.000	82.549	0.000	1.99
T7	180.00-160.00	A	1.767	0.000	0.000	90.085	0.000	2.07
		B		0.000	0.000	64.847	0.000	1.53
		C		0.000	0.000	82.266	0.000	1.97
T8	160.00-140.00	A	1.745	0.000	0.000	89.684	0.000	2.05
		B		0.000	0.000	64.526	0.000	1.51
		C		0.000	0.000	81.953	0.000	1.96
T9	140.00-120.00	A	1.720	0.000	0.000	89.231	0.000	2.03
		B		0.000	0.000	64.164	0.000	1.50
		C		0.000	0.000	81.599	0.000	1.93
T10	120.00-100.00	A	1.692	0.000	0.000	88.710	0.000	2.00
		B		0.000	0.000	63.748	0.000	1.48
		C		0.000	0.000	81.192	0.000	1.91

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
T11	100.00-80.00	A	1.658	0.000	0.000	88.096	0.000	1.97
		B		0.000	0.000	63.258	0.000	1.45
		C		0.000	0.000	80.713	0.000	1.89
T12	80.00-60.00	A	1.617	0.000	0.000	87.345	0.000	1.94
		B		0.000	0.000	62.658	0.000	1.43
		C		0.000	0.000	80.127	0.000	1.85
T13	60.00-40.00	A	1.564	0.000	0.000	86.369	0.000	1.89
		B		0.000	0.000	61.877	0.000	1.39
		C		0.000	0.000	79.365	0.000	1.81
T14	40.00-20.00	A	1.486	0.000	0.000	84.949	0.000	1.82
		B		0.000	0.000	60.743	0.000	1.34
		C		0.000	0.000	78.256	0.000	1.75
T15	20.00-0.00	A	1.331	0.000	0.000	61.601	0.000	1.27
		B		0.000	0.000	43.870	0.000	0.93
		C		0.000	0.000	57.045	0.000	1.23

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
T1	290.00-280.00	-2.35	-2.31	-2.76	-1.99
T2	280.00-260.00	-2.28	-4.79	-2.52	-4.35
T3	260.00-240.00	-0.73	-4.30	-0.89	-3.10
T4	240.00-220.00	-0.70	-4.26	-0.90	-2.63
T5	220.00-200.00	-0.78	-4.79	-1.02	-2.98
T6	200.00-180.00	-0.89	-5.41	-1.18	-3.44
T7	180.00-160.00	-0.93	-5.71	-1.27	-3.72
T8	160.00-140.00	-0.97	-5.88	-1.33	-3.92
T9	140.00-120.00	-1.04	-6.32	-1.43	-4.22
T10	120.00-100.00	-1.12	-6.81	-1.53	-4.55
T11	100.00-80.00	-1.13	-6.96	-1.59	-4.79
T12	80.00-60.00	-1.20	-7.39	-1.68	-5.12
T13	60.00-40.00	-1.16	-7.15	-1.66	-5.16
T14	40.00-20.00	-1.30	-8.01	-1.79	-5.67
T15	20.00-0.00	-1.09	-6.69	-1.47	-4.89

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	W/G LADDER RAIL*	280.00 - 290.00	0.6000	0.4540
T1	4	Safety Line 3/8	280.00 - 290.00	0.6000	0.4540
T1	6	1 5/8	280.00 - 285.00	0.6000	0.4540
T2	1	W/G LADDER RAIL*	260.00 - 280.00	0.6000	0.5453
T2	2	W/G LADDER RAIL*	260.00 - 270.00	0.6000	0.5453

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T2	4	Safety Line 3/8	260.00 - 280.00	0.6000	0.5453
T2	6	1 5/8	260.00 - 280.00	0.6000	0.5453
T2	7	1 5/8	260.00 - 270.00	0.6000	0.5453
T3	1	W/G LADDER RAIL*	240.00 - 260.00	0.6000	0.5979
T3	2	W/G LADDER RAIL*	240.00 - 260.00	0.6000	0.5979
T3	3	W/G LADDER RAIL*	240.00 - 255.00	0.6000	0.5979
T3	4	Safety Line 3/8	240.00 - 260.00	0.6000	0.5979
T3	6	1 5/8	240.00 - 260.00	0.6000	0.5979
T3	7	1 5/8	240.00 - 260.00	0.6000	0.5979
T3	8	1 5/8	240.00 - 255.00	0.6000	0.5979
T4	1	W/G LADDER RAIL*	220.00 - 240.00	0.6000	0.6000
T4	2	W/G LADDER RAIL*	220.00 - 240.00	0.6000	0.6000
T4	3	W/G LADDER RAIL*	220.00 - 240.00	0.6000	0.6000
T4	4	Safety Line 3/8	220.00 - 240.00	0.6000	0.6000
T4	6	1 5/8	220.00 - 240.00	0.6000	0.6000
T4	7	1 5/8	220.00 - 240.00	0.6000	0.6000
T4	9	1 5/8	220.00 - 240.00	0.6000	0.6000
T5	1	W/G LADDER RAIL*	200.00 - 220.00	0.6000	0.6000
T5	2	W/G LADDER RAIL*	200.00 - 220.00	0.6000	0.6000
T5	3	W/G LADDER RAIL*	200.00 - 220.00	0.6000	0.6000
T5	4	Safety Line 3/8	200.00 - 220.00	0.6000	0.6000
T5	6	1 5/8	200.00 - 220.00	0.6000	0.6000
T5	7	1 5/8	200.00 - 220.00	0.6000	0.6000
T5	9	1 5/8	200.00 - 220.00	0.6000	0.6000
T6	1	W/G LADDER RAIL*	180.00 - 200.00	0.6000	0.6000
T6	2	W/G LADDER RAIL*	180.00 - 200.00	0.6000	0.6000
T6	3	W/G LADDER RAIL*	180.00 - 200.00	0.6000	0.6000
T6	4	Safety Line 3/8	180.00 - 200.00	0.6000	0.6000
T6	6	1 5/8	180.00 - 200.00	0.6000	0.6000
T6	7	1 5/8	180.00 - 200.00	0.6000	0.6000
T6	9	1 5/8	180.00 - 200.00	0.6000	0.6000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T7	1	W/G LADDER RAIL*	160.00 - 180.00	0.6000	0.6000
T7	2	W/G LADDER RAIL*	160.00 - 180.00	0.6000	0.6000
T7	3	W/G LADDER RAIL*	160.00 - 180.00	0.6000	0.6000
T7	4	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T7	6	1 5/8	160.00 - 180.00	0.6000	0.6000
T7	7	1 5/8	160.00 - 180.00	0.6000	0.6000
T7	9	1 5/8	160.00 - 180.00	0.6000	0.6000
T8	1	W/G LADDER RAIL*	140.00 - 160.00	0.6000	0.6000
T8	2	W/G LADDER RAIL*	140.00 - 160.00	0.6000	0.6000
T8	3	W/G LADDER RAIL*	140.00 - 160.00	0.6000	0.6000
T8	4	Safety Line 3/8	140.00 - 160.00	0.6000	0.6000
T8	6	1 5/8	140.00 - 160.00	0.6000	0.6000
T8	7	1 5/8	140.00 - 160.00	0.6000	0.6000
T8	9	1 5/8	140.00 - 160.00	0.6000	0.6000
T9	1	W/G LADDER RAIL*	120.00 - 140.00	0.6000	0.6000
T9	2	W/G LADDER RAIL*	120.00 - 140.00	0.6000	0.6000
T9	3	W/G LADDER RAIL*	120.00 - 140.00	0.6000	0.6000
T9	4	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T9	6	1 5/8	120.00 - 140.00	0.6000	0.6000
T9	7	1 5/8	120.00 - 140.00	0.6000	0.6000
T9	9	1 5/8	120.00 - 140.00	0.6000	0.6000
T10	1	W/G LADDER RAIL*	100.00 - 120.00	0.6000	0.6000
T10	2	W/G LADDER RAIL*	100.00 - 120.00	0.6000	0.6000
T10	3	W/G LADDER RAIL*	100.00 - 120.00	0.6000	0.6000
T10	4	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T10	6	1 5/8	100.00 - 120.00	0.6000	0.6000
T10	7	1 5/8	100.00 - 120.00	0.6000	0.6000
T10	9	1 5/8	100.00 - 120.00	0.6000	0.6000
T11	1	W/G LADDER RAIL*	80.00 - 100.00	0.6000	0.6000
T11	2	W/G LADDER RAIL*	80.00 - 100.00	0.6000	0.6000
T11	3	W/G LADDER RAIL*	80.00 - 100.00	0.6000	0.6000
T11	4	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T11	6	1 5/8	80.00 - 100.00	0.6000	0.6000
T11	7	1 5/8	80.00 - 100.00	0.6000	0.6000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T11	9	1 5/8	80.00 - 100.00	0.6000	0.6000
T12	1	W/G LADDER RAIL*	60.00 - 80.00	0.6000	0.6000
T12	2	W/G LADDER RAIL*	60.00 - 80.00	0.6000	0.6000
T12	3	W/G LADDER RAIL*	60.00 - 80.00	0.6000	0.6000
T12	4	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T12	6	1 5/8	60.00 - 80.00	0.6000	0.6000
T12	7	1 5/8	60.00 - 80.00	0.6000	0.6000
T12	9	1 5/8	60.00 - 80.00	0.6000	0.6000
T13	1	W/G LADDER RAIL*	40.00 - 60.00	0.6000	0.6000
T13	2	W/G LADDER RAIL*	40.00 - 60.00	0.6000	0.6000
T13	3	W/G LADDER RAIL*	40.00 - 60.00	0.6000	0.6000
T13	4	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T13	6	1 5/8	40.00 - 60.00	0.6000	0.6000
T13	7	1 5/8	40.00 - 60.00	0.6000	0.6000
T13	9	1 5/8	40.00 - 60.00	0.6000	0.6000
T14	1	W/G LADDER RAIL*	20.00 - 40.00	0.6000	0.6000
T14	2	W/G LADDER RAIL*	20.00 - 40.00	0.6000	0.6000
T14	3	W/G LADDER RAIL*	20.00 - 40.00	0.6000	0.6000
T14	4	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T14	6	1 5/8	20.00 - 40.00	0.6000	0.6000
T14	7	1 5/8	20.00 - 40.00	0.6000	0.6000
T14	9	1 5/8	20.00 - 40.00	0.6000	0.6000
T15	1	W/G LADDER RAIL*	5.00 - 20.00	0.6000	0.6000
T15	2	W/G LADDER RAIL*	5.00 - 20.00	0.6000	0.6000
T15	3	W/G LADDER RAIL*	5.00 - 20.00	0.6000	0.6000
T15	4	Safety Line 3/8	5.00 - 20.00	0.6000	0.6000
T15	6	1 5/8	5.00 - 20.00	0.6000	0.6000
T15	7	1 5/8	5.00 - 20.00	0.6000	0.6000
T15	9	1 5/8	5.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert</i>	<i>Azimuth Adjustment</i>	<i>Placement</i>		<i>C_AA₁ Front</i>	<i>C_AA₁ Side</i>	<i>Weight</i>
			<i>ft ft ft</i>	<i>°</i>	<i>ft</i>		<i>ft²</i>	<i>ft²</i>	<i>K</i>
Beacon	C	From Leg	0.00	0.000	290.00	No Ice	2.00	2.00	0.02
			0			1/2" Ice	2.50	2.50	0.03
			0			1" Ice	3.00	3.00	0.04
						2" Ice	4.00	4.00	0.06
Lightning Rod 9/16x10'	A	From Leg	0.00	0.000	290.00	No Ice	0.56	0.56	0.03
			0			1/2" Ice	1.58	1.58	0.03
			5			1" Ice	2.61	2.61	0.04
						2" Ice	4.71	4.71	0.09

Carrier #1 - 42,000 sq in	C	None		0.000	285.00	No Ice	292.00	292.00	10.00
						1/2" Ice	312.00	312.00	11.00
						1" Ice	332.00	332.00	12.00
						2" Ice	372.00	372.00	14.00
Carrier #2 - 30,000 sq in	C	None		0.000	270.00	No Ice	208.00	208.00	8.00
						1/2" Ice	228.00	228.00	9.00
						1" Ice	248.00	248.00	10.00

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
Carrier #3 - 20,000 sq in	C	None		0.000	255.00	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	288.00 139.00 159.00 179.00 219.00	288.00 139.00 159.00 179.00 219.00	12.00 5.00 6.00 7.00 9.00
Carrier #4 - 15,000 sq in	C	None		0.000	240.00	No Ice 1/2" Ice 1" Ice 2" Ice	105.00 120.00 135.00 165.00	105.00 120.00 135.00 165.00	3.00 4.00 5.00 7.00

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T1	290	Leg	A325X	0.75	4	0.81	30.10	0.027 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	4.43	7.01	0.633 ✓	1	Member Block Shear
		Top Girt	A325X	0.62	1	0.56	7.01	0.080 ✓	1	Member Block Shear
T2	280	Leg	A325X	0.75	4	12.63	30.10	0.420 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	6.04	10.51	0.575 ✓	1	Member Block Shear
T3	260	Leg	A325X	1.00	4	25.97	54.52	0.476 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	6.71	10.51	0.639 ✓	1	Member Block Shear
T4	240	Leg	A325X	1.00	6	26.15	54.52	0.480 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	7.05	10.51	0.671 ✓	1	Member Block Shear
T5	220	Leg	A325X	1.00	6	33.81	54.52	0.620 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	6.70	10.51	0.637 ✓	1	Member Block Shear
T6	200	Leg	A325X > 1	1.25	6	39.67	76.32	0.520 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	8.11	12.43	0.652 ✓	1	Member Bearing
T7	180	Leg	A325X > 1	1.25	6	45.81	76.32	0.600 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	7.98	12.43	0.642 ✓	1	Member Bearing
T8	160	Leg	A325X > 1	1.25	8	38.67	76.32	0.507 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	8.29	12.43	0.667 ✓	1	Member Bearing
T9	140	Leg	A325X > 1	1.25	8	42.80	76.32	0.561 ✓	1	Bolt Tension
		Diagonal	A325X	0.62	1	8.48	12.43	0.682 ✓	1	Member Bearing
T10	120	Leg	A325X > 1	1.25	8	45.87	76.32	0.601 ✓	1	Bolt Tension

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Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T11	100	Diagonal	A325X	0.62	1	5.88	12.43	0.473 ✓	1	Member Bearing
		Leg	A325X > 1	1.25	8	48.44	76.32	0.635 ✓	1	Bolt Tension
T12	80	Diagonal	A325X	0.75	1	6.53	19.99	0.327 ✓	1	Member Bearing
		Leg	A325X > 1	1.25	8	50.97	76.32	0.668 ✓	1	Bolt Tension
T13	60	Diagonal	A325X	0.75	1	7.05	19.99	0.353 ✓	1	Member Bearing
		Leg	A325X > 1	1.25	8	53.46	76.32	0.700 ✓	1	Bolt Tension
T14	40	Diagonal	A325X	0.75	1	8.09	19.99	0.405 ✓	1	Member Bearing
		Leg	A325X > 1	1.25	8	52.67	76.32	0.690 ✓	1	Bolt Tension
T15	20	Diagonal	A325X	0.75	1	19.36	35.67	0.543 ✓	1	Gusset Bearing
		Horizontal	A325X	0.75	1	8.62	19.99	0.431 ✓	1	Member Bearing
		Redund Horiz 1 Bracing	A325N	0.75	1	8.59	14.99	0.573 ✓	1	Member Bearing
		Redund Diag 1 Bracing	A325N	0.75	1	8.20	19.88	0.413 ✓	1	Bolt Shear
		Leg	F1554-10 5	1.25	8	55.37	90.85	0.609 ✓	1	Bolt Tension
		Diagonal	A325X	0.75	1	17.31	35.67	0.485 ✓	1	Gusset Bearing
		Horizontal	A325X	0.75	1	9.10	19.99	0.455 ✓	1	Member Bearing
		Redund Horiz 1 Bracing	A325N	0.75	1	9.10	14.99	0.607 ✓	1	Member Bearing
		Redund Diag 1 Bracing	A325N	0.75	1	8.17	19.88	0.411 ✓	1	Bolt Shear

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	P3x.216	10.00	5.00	51.6 K=1.00	2.23	-9.68	82.56	0.117 ¹ ✓
T2	280 - 260	P3x.216	20.02	5.00	51.6 K=1.00	2.23	-65.19	82.53	0.790 ¹ ✓
T3	260 - 240	P4x.237	20.02	5.00	39.8 K=1.00	3.17	-124.75	127.22	0.981 ¹ ✓
T4	240 - 220	P6x.28	20.02	5.00	26.7 K=1.00	5.58	-183.61	238.36	0.770 ¹ ✓
T5	220 - 200	P6x.28	20.02	5.00	26.7 K=1.00	5.58	-233.41	238.36	0.979 ¹ ✓
T6	200 - 180	P8x.322	20.02	10.01	40.9	8.40	-271.74	334.48	0.812 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T7	180 - 160	P8x.322	20.02	10.01	K=1.00 40.9	8.40	-312.77	334.48	0.935 ¹ ✓
T8	160 - 140	P10x.365	20.02	10.01	K=1.00 32.7	11.91	-352.14	495.59	0.711 ¹ ✓
T9	140 - 120	P10x.365	20.02	10.01	K=1.00 32.7	11.91	-390.08	495.59	0.787 ¹ ✓
T10	120 - 100	P10x.365	20.03	10.02	K=1.00 32.7	11.91	-419.67	495.53	0.847 ¹ ✓
T11	100 - 80	P10x.365	20.03	10.02	K=1.00 32.7	11.91	-445.39	495.53	0.899 ¹ ✓
T12	80 - 60	P10x.365	20.03	10.02	K=1.00 32.7	11.91	-470.98	495.53	0.950 ¹ ✓
T13	60 - 40	P12x.375	20.03	10.02	K=1.00 27.5	14.58	-497.06	620.86	0.801 ¹ ✓
T14	40 - 20	P12x.375	20.03	10.02	K=1.00 27.5	14.58	-495.44	620.86	0.798 ¹ ✓
T15	20 - 0	P12x.375	20.03	10.02	K=1.00 27.5	14.58	-524.73	620.86	0.845 ¹ ✓

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	L2x2x1/8	6.40	2.82	93.9 K=1.10	0.48	-4.73	13.76	0.344 ¹ ✓
T2	280 - 260	L2x2x3/16	7.03	3.30	105.4 K=1.05	0.71	-6.28	18.40	0.341 ¹ ✓
T3	260 - 240	L2x2x3/16	8.45	3.96	120.7 K=1.00	0.71	-6.51	14.04	0.463 ¹ ✓
T4	240 - 220	L2x2x3/16	9.70	4.49	136.8 K=1.00	0.71	-6.97	10.93	0.637 ¹ ✓
T5	220 - 200	L2x2x3/16	11.01	5.16	157.0 K=1.00	0.71	-6.58	8.30	0.793 ¹ ✓
T6	200 - 180	L2 1/2x2 1/2x3/16	14.96	7.10	172.2 K=1.00	0.90	-8.56	8.71	0.983 ¹ ✓
T7	180 - 160	L3x3x3/16	16.11	7.69	154.8 K=1.00	1.09	-8.54	13.02	0.656 ¹ ✓
T8	160 - 140	L3x3x3/16	17.31	8.19	164.9 K=1.00	1.09	-8.74	11.48	0.762 ¹ ✓
T9	140 - 120	L3x3x3/16	18.55	8.82	177.6 K=1.00	1.09	-9.10	9.89	0.920 ¹ ✓
T10	120 - 100	L3x3x3/16	20.16	9.71	195.4 K=1.00	1.09	-6.29	8.17	0.770 ¹ ✓
T11	100 - 80	L3 1/2x3 1/2x1/4	21.92	10.57	182.8 K=1.00	1.69	-6.96	14.48	0.481 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T12	80 - 60	L3 1/2x3 1/2x1/4	23.71	11.47	198.4 K=1.00	1.69	-7.87	12.29	0.641 ¹ ✓
T13	60 - 40	L4x4x1/4	25.54	12.30	185.6 K=1.00	1.94	-8.91	16.11	0.553 ¹ ✓
T14	40 - 20	2L3 1/2x3 1/2x1/4x1/2	23.86	22.55	178.9 K=1.00	3.38	-20.95	29.26	0.716 ¹ ✓
T15	20 - 0	2L3 1/2x3 1/2x1/4x1/2	24.42	23.16	183.6 K=1.00	3.38	-18.50	27.82	0.665 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3 1/2x3 1/2x1/4	24.00	11.30	195.4 K=1.00	1.69	-8.62	12.67	0.681 ¹ ✓
T15	20 - 0	L4x4x1/4	26.00	12.30	185.7 K=1.00	1.94	-9.14	16.10	0.567 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	L2x2x1/8	4.00	3.42	111.6 K=1.08	0.48	-0.72	11.05	0.065 ¹ ✓

¹ P_u / φP_n controls

Redundant Horizontal (1) Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3x3x3/16	6.00	5.14	111.7 K=1.08	1.09	-8.59	24.82	0.346 ¹ ✓
T15	20 - 0	L3x3x3/16	6.50	5.64	116.7 K=1.03	1.09	-9.10	22.89	0.397 ¹ ✓

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¹ $P_u / \phi P_n$ controls

Redundant Diagonal (1) Design Data (Compression)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3 1/2x3 1/2x1/4	11.42	9.98	172.6 K=1.00	1.69	-8.20	16.24	0.505 ¹
T15	20 - 0	L3 1/2x3 1/2x1/4	11.67	10.30	178.1 K=1.00	1.69	-8.17	15.25	0.536 ¹

¹ $P_u / \phi P_n$ controls

Inner Bracing Design Data (Compression)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3 1/2x3 1/2x1/4	12.00	12.00	207.5 K=1.00	1.69	-0.02	11.24	0.002 ¹
T15	20 - 0	L3 1/2x3 1/2x1/4	13.00	13.00	224.8 K=1.00	1.69	-0.02	9.57	0.003 ¹

¹ $P_u / \phi P_n$ controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	P3x.216	10.00	5.00	51.6	2.23	2.91	100.28	0.029 ¹
T2	280 - 260	P3x.216	20.02	5.00	51.6	2.23	50.51	100.28	0.504 ¹
T3	260 - 240	P4x.237	20.02	5.00	39.8	3.17	103.90	142.83	0.727 ¹
T4	240 - 220	P6x.28	20.02	5.00	26.7	5.58	156.88	251.16	0.625 ¹
T5	220 - 200	P6x.28	20.02	5.00	26.7	5.58	202.86	251.16	0.808 ¹
T6	200 - 180	P8x.322	20.02	10.01	40.9	8.40	238.00	377.97	0.630 ¹

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Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T7	180 - 160	P8x.322	20.02	10.01	40.9	8.40	274.87	377.97	0.727 ¹
T8	160 - 140	P10x.365	20.02	10.01	32.7	11.91	309.34	535.87	0.577 ¹
T9	140 - 120	P10x.365	20.02	10.01	32.7	11.91	342.43	535.87	0.639 ¹
T10	120 - 100	P10x.365	20.03	10.02	32.7	11.91	366.92	535.87	0.685 ¹
T11	100 - 80	P10x.365	20.03	10.02	32.7	11.91	387.49	535.87	0.723 ¹
T12	80 - 60	P10x.365	20.03	10.02	32.7	11.91	407.77	535.87	0.761 ¹
T13	60 - 40	P12x.375	20.03	10.02	27.5	14.58	427.68	656.05	0.652 ¹
T14	40 - 20	P12x.375	20.03	10.02	27.5	14.58	422.46	656.05	0.644 ¹
T15	20 - 0	P12x.375	20.03	10.02	27.5	14.58	444.02	656.05	0.677 ¹

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Tension)

Section No.	Elevation <i>ft</i>	Size	<i>L</i> <i>ft</i>	<i>L_u</i> <i>ft</i>	<i>Kl/r</i>	<i>A</i> <i>in²</i>	<i>P_u</i> <i>K</i>	ϕP_n <i>K</i>	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	L2x2x1/8	6.40	2.82	56.9	0.29	4.43	14.28	0.310 ¹
T2	280 - 260	L2x2x3/16	7.03	3.30	67.0	0.43	6.04	21.00	0.288 ¹
T3	260 - 240	L2x2x3/16	7.86	3.67	74.3	0.43	6.71	21.00	0.320 ¹
T4	240 - 220	L2x2x3/16	8.76	4.02	81.1	0.43	7.05	21.00	0.336 ¹
T5	220 - 200	L2x2x3/16	10.02	4.66	93.6	0.43	6.70	21.00	0.319 ¹
T6	200 - 180	L2 1/2x2 1/2x3/16	14.96	7.10	111.8	0.57	8.11	27.84	0.291 ¹
T7	180 - 160	L3x3x3/16	16.11	7.69	100.1	0.71	7.98	34.71	0.230 ¹
T8	160 - 140	L3x3x3/16	17.31	8.19	106.5	0.71	8.29	34.71	0.239 ¹
T9	140 - 120	L3x3x3/16	17.93	8.51	110.6	0.71	8.48	34.71	0.244 ¹
T10	120 - 100	L3x3x3/16	20.16	9.71	125.9	0.71	5.88	34.71	0.169 ¹
T11	100 - 80	L3 1/2x3 1/2x1/4	21.92	10.57	118.2	1.10	6.53	53.79	0.121 ¹
T12	80 - 60	L3 1/2x3 1/2x1/4	23.71	11.47	128.1	1.10	7.05	53.79	0.131 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T13	60 - 40	L4x4x1/4	25.54	12.30	119.7	1.29	8.09	62.93	0.129 ¹ ✓
T14	40 - 20	2L3 1/2x3 1/2x1/4x1/2	23.86	22.55	168.0	2.20	19.36	107.40	0.180 ¹ ✓
T15	20 - 0	2L3 1/2x3 1/2x1/4x1/2	24.42	23.16	172.4	2.20	17.31	107.40	0.161 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3 1/2x3 1/2x1/4	24.00	11.30	126.3	1.10	8.62	53.79	0.160 ¹ ✓
T15	20 - 0	L4x4x1/4	26.00	12.30	119.7	1.29	9.10	62.93	0.145 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	290 - 280	L2x2x1/8	4.00	3.42	71.1	0.29	0.56	14.28	0.039 ¹ ✓

¹ P_u / φP_n controls

Redundant Horizontal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3x3x3/16	6.00	5.14	69.9	0.69	8.59	33.85	0.254 ¹ ✓
T15	20 - 0	L3x3x3/16	6.50	5.64	76.3	0.69	9.10	33.85	0.269 ¹ ✓

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¹ $P_u / \phi P_n$ controls

Redundant Diagonal (1) Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T14	40 - 20	L3 1/2x3 1/2x1/4	11.42	9.98	113.6	1.10	8.20	53.79	0.152 ¹
T15	20 - 0	L3 1/2x3 1/2x1/4	11.67	10.30	117.1	1.10	8.17	53.79	0.152 ¹

¹ $P_u / \phi P_n$ controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	290 - 280	Leg	P3x.216	3	-9.68	82.56	11.7	Pass
T2	280 - 260	Leg	P3x.216	20	-65.19	82.53	79.0	Pass
T3	260 - 240	Leg	P4x.237	47	-124.75	127.22	98.1	Pass
T4	240 - 220	Leg	P6x.28	74	-183.61	238.36	77.0	Pass
T5	220 - 200	Leg	P6x.28	101	-233.41	238.36	97.9	Pass
T6	200 - 180	Leg	P8x.322	128	-271.74	334.48	81.2	Pass
T7	180 - 160	Leg	P8x.322	143	-312.77	334.48	93.5	Pass
T8	160 - 140	Leg	P10x.365	158	-352.14	495.59	71.1	Pass
T9	140 - 120	Leg	P10x.365	173	-390.08	495.59	78.7	Pass
T10	120 - 100	Leg	P10x.365	188	-419.67	495.53	84.7	Pass
T11	100 - 80	Leg	P10x.365	203	-445.39	495.53	89.9	Pass
T12	80 - 60	Leg	P10x.365	218	-470.98	495.53	95.0	Pass
T13	60 - 40	Leg	P12x.375	233	-497.06	620.86	80.1	Pass
T14	40 - 20	Leg	P12x.375	248	-495.44	620.86	79.8	Pass
T15	20 - 0	Leg	P12x.375	275	-524.73	620.86	84.5	Pass
T1	290 - 280	Diagonal	L2x2x1/8	8	-4.73	13.76	34.4	Pass
							63.3 (b)	
T2	280 - 260	Diagonal	L2x2x3/16	29	-6.28	18.40	34.1	Pass
							57.5 (b)	
T3	260 - 240	Diagonal	L2x2x3/16	50	-6.51	14.04	46.3	Pass
							63.9 (b)	
T4	240 - 220	Diagonal	L2x2x3/16	78	-6.97	10.93	63.7	Pass
							67.1 (b)	
T5	220 - 200	Diagonal	L2x2x3/16	105	-6.58	8.30	79.3	Pass
T6	200 - 180	Diagonal	L2 1/2x2 1/2x3/16	132	-8.56	8.71	98.3	Pass
T7	180 - 160	Diagonal	L3x3x3/16	147	-8.54	13.02	65.6	Pass
T8	160 - 140	Diagonal	L3x3x3/16	162	-8.74	11.48	76.2	Pass
T9	140 - 120	Diagonal	L3x3x3/16	177	-9.10	9.89	92.0	Pass
T10	120 - 100	Diagonal	L3x3x3/16	192	-6.29	8.17	77.0	Pass
T11	100 - 80	Diagonal	L3 1/2x3 1/2x1/4	207	-6.96	14.48	48.1	Pass
T12	80 - 60	Diagonal	L3 1/2x3 1/2x1/4	224	-7.87	12.29	64.1	Pass
T13	60 - 40	Diagonal	L4x4x1/4	236	-8.91	16.11	55.3	Pass
T14	40 - 20	Diagonal	2L3 1/2x3 1/2x1/4x1/2	254	-20.95	29.26	71.6	Pass
T15	20 - 0	Diagonal	2L3 1/2x3 1/2x1/4x1/2	281	-18.50	27.82	66.5	Pass
T14	40 - 20	Horizontal	L3 1/2x3 1/2x1/4	250	-8.62	12.67	68.1	Pass
T15	20 - 0	Horizontal	L4x4x1/4	277	-9.14	16.10	56.7	Pass
T1	290 - 280	Top Girt	L2x2x1/8	4	-0.72	11.05	6.5	Pass

<i>tnxTower</i> World Tower Company 1213 Compressor Drive Mayfield, KY 42066 Phone: (270) 247-3642 FAX: www.worldtower.com	Job	290' WSST Tower / WTC Q25-210	Page	26 of 26
	Project	Equine Hospital	Date	13:23:53 06/09/25
	Client	TowerCom	Designed by	kirk

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T14	40 - 20	Redund Horz 1 Bracing	L3x3x3/16	255	-8.59	24.82	8.0 (b) 34.6	Pass
T15	20 - 0	Redund Horz 1 Bracing	L3x3x3/16	282	-9.10	22.89	57.3 (b) 39.7	Pass
T14	40 - 20	Redund Diag 1 Bracing	L3 1/2x3 1/2x1/4	256	-8.20	16.24	60.7 (b) 50.5	Pass
T15	20 - 0	Redund Diag 1 Bracing	L3 1/2x3 1/2x1/4	287	-8.17	15.25	53.6	Pass
T14	40 - 20	Inner Bracing	L3 1/2x3 1/2x1/4	271	-0.02	11.24	0.5	Pass
T15	20 - 0	Inner Bracing	L3 1/2x3 1/2x1/4	299	-0.02	9.57	0.5	Pass
							Summary	
							Leg (T3)	98.1 Pass
							Diagonal (T6)	98.3 Pass
							Horizontal (T14)	68.1 Pass
							Top Girt (T1)	8.0 Pass
							Redund Horz 1 Bracing (T15)	60.7 Pass
							Redund Diag 1 Bracing (T15)	53.6 Pass
							Inner Bracing (T15)	0.5 Pass
							Bolt Checks	70.0 Pass
							RATING =	98.3 Pass

EXHIBIT D

COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

Navigation

Reports

PSC Home

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID	Utility Name	Address/City/Contact	Utility Type	Status
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	Activ <input type="text"/>
<input type="button" value="Search"/>				

	Utility ID	Utility Name	Utility Type	Class	City	State
<input type="button" value="View"/>	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
<input type="button" value="View"/>	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D	Henderson	NV
<input type="button" value="View"/>	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Charlotte	NC
<input type="button" value="View"/>	4115750	Affiniti Ventures, Inc.	Cellular	C	New York	NY
<input type="button" value="View"/>	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
<input type="button" value="View"/>	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	A	Houston	TX
<input type="button" value="View"/>	4115200	Airespring, Inc.	Cellular	D	Clearwater	FL
<input type="button" value="View"/>	4111900	ALLNETAIR, INC.	Cellular	D	West Palm Beach	FL
<input type="button" value="View"/>	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A	Lisle	IL
<input type="button" value="View"/>	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
<input type="button" value="View"/>	4107800	American Broadband and	Cellular	D	Toledo	OH

		Telecommunications Company				
View	4108650	AmeriMex Communications Corp.	Cellular	D	Safety Harbor	FL
View	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Virginia Beach	VA
View	4114250	Approved Contact LLC	Cellular	D	Reno	NV
View	4115050	Aquarius Silver LLC	Cellular	D	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4113100	BARK TECHNOLOGIES, INC.	Cellular	D	Charlotte	NC
View	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	San Diego	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	A	Dallas	TX
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular	D	Seattle	WA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4114550	Cliq Communications LLC d/b/a Cliq Mobile	Cellular	D	Coral Gables	FL
View	4111150	Comcast OTR1, LLC	Cellular	A	Phoeniexville	PA
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	A	Long Island City	NY
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4112000	DISH Wireless L.L.C.	Cellular	A	Englewood	CO

View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	C	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4113800	EVOLVE WIRELESS LLC	Cellular	D	Maumee	OH
View	4110450	Excellus Communications, LLC	Cellular	D	Harrisburg	SD
View	4112400	Excess Telecom Inc.	Cellular	D	Beverly Hills	CA
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Herndon	VA
View	4111750	Gabb Wireless, Inc.	Cellular	A	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	C	Covington	LA
View	4112850	GO TECHNOLOGY MANAGEMENT, LLC	Cellular	D	Atlanta	GA
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	4114300	Group F Consulting, LLC	Cellular	D		
View	4114050	Helix Wireless Inc.	Cellular	D	Monmouth Junction	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4112950	Hoop Wireless, LLC	Cellular	D	Lakewood	NJ
View	4103100	i-Wireless, LLC	Cellular	D	Newport	KY
View	4112550	IDT Domestic Telecom, Inc.	Cellular	D	Newark	NJ
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Plano	TX
View	4112650	Insight Mobile, Inc.	Cellular	D	Los Angeles	CA

View	4111950	J Rhodes Enterprises LLC	Cellular	D	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	B	Sunny Isles Beach	FL
View	4114750	Link Mobile, Inc.	Cellular	D	New York	NY
View	4111400	Locus Telecommunications, LLC	Cellular	B	Fort Lee	NJ
View	4114500	Lux Mobile USA, Inc	Cellular	D	Baton Rouge	LA
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4112500	Marconi Wireless Holdings, LLC	Cellular	B	Westlake Village	CA
View	4113850	MAXSIP TEL KENTUCKY LLC d/b/a Maxsip Telecom	Cellular	D	Woodmere	NY
View	4114800	Mediacom Wireless LLC	Cellular	D	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	A	Costa Mesa	CA
View	4115100	Mobile 13, Inc	Cellular	D	South Jordan	UT
View	4114950	Moxee Technologies LLC dba COLLEGIATE MOBILE	Cellular	D	Sparks	NV
View	4114100	MVNO Connect LLC	Cellular	D	St. Petersburg	FL
View	4113350	NatWireless, LLC	Cellular	D	Houston	TX
View	4202400	New Cingular Wireless PCS, LLC	Cellular	A	San Antonio	TX
View	4110700	Norcell, LLC	Cellular	D	Clayton	WA
View	4113700	Nova Labs, Inc. dba Helium Mobile	Cellular	D	Las Vegas	NV
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4109050	Patriot Mobile LLC	Cellular	A	Grapevine	TX
View	4115600	PHREELI COMPANY	Cellular	D	Lewes	DE
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	4115650	PLUG MOBILE LLC	Cellular	D	St. Louis	MO

View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4114850	POWER MOBILE LLC	Cellular	D	Rockville Centre	NY
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4115550	Prepaid Wireless Wholesale of Maryland, LLC	Cellular	D	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4115000	Prosper Wireless LLC	Cellular	C	Sherman Oaks	CA
View	4107700	Puretalk Holdings, Inc.	Cellular	B	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4115900	RABONA CORPORATION	Cellular	C	New York	NY
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4116000	Ringer Mobile, LLC	Cellular	C	Peachtree Corners	GA
View	4114200	Rocstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	D	West Palm Beach	FL
View	4115400	RSCU Mobile, LLC	Cellular	D	Alpine	UT
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	A	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	A	Fremont	NE
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4114400	Splash Cellular Inc.	Cellular	D	Bountiful	UT

View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4115450	Surf Telecom, LLC	Cellular	D	Key Bixcayne	FL
View	4115950	Switch Mobile, LLC	Cellular	C	Layton	UT
View	4113450	Syntegra North America, LLC	Cellular	D	Denton	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Plano	TX
View	4115850	TELCO Communications LLC dba TELCO CELLULAR	Cellular	C	Oceanside	NY
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	A	Atlanta	GA
View	4108900	Telrite Corporation	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	D	Dallas	TX
View	4113900	TERRACOM Inc. d/b/a Maxsip Tel	Cellular	D	Chattanooga	TN
View	4113950	THE LIGHT PHONE INC.	Cellular	D	Brooklyn	NY
View	4113250	Thrive Health Tech, Inc.	Cellular	D	Nashville	TN
View	4110400	Torch Wireless Corp.	Cellular	C	Bartlett	TN
View	4103300	Touchtone Communications, Inc.	Cellular	D	Cedar Knolls	NJ
View	4104200	TracFone Wireless, Inc.	Cellular	D	Miami	FL
View	4115350	TREK CELLULAR, LLC	Cellular	D	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	B	Orem	UT
View	4114600	TruConnect Communications, Inc.	Cellular	D	Los Angeles	CA
View	4112600	Tube Incorporated dba Reach Mobile	Cellular	D	Atlanta	GA
View	4112750	Unity Wireless, Inc.	Cellular	D	Pembroke Pines	FL
View	4115800	USA Mobile LLC	Cellular	C	Laguna Beach	CA
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	C	Costa Mesa	CA

View	10630	Verizon Americas LLC dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4113300	Via Wireless, LLC	Cellular	D	Houston	TX
View	4110800	Visible Service LLC	Cellular	D	Basking Ridge	NJ
View	4115700	Viva-US Communications, Inc.	Cellular	C	San Diego	CA
View	4113750	VOLT MOBILE Inc	Cellular	D	Delray Beach	FL
View	4114450	WeIncentivize LLC d/b/a ChosenWireless	Cellular	D	San Diego	CA
View	4113000	Whoop Connect Inc.	Cellular	D	Melbourne	FL
View	4115250	WHOOOP MOBILE INC.	Cellular	D	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	Calgary, AB	CA
View	4110950	Wing Tel Inc.	Cellular	C	New York	NY
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4112150	Zefcom, LLC	Cellular	C	Wichita Falls	TX

EXHIBIT E

**FEDERAL AVIATION ADMINISTRATION
DOCUMENTATION**



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2025-ASO-3798-OE

Issued Date: 03/31/2025

Jinay Vascocu
Towercom VI-C, LLC (JV)
241 Atlantic Blvd
Ste. 201
Neptune Beach, FL 32266

**** 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 Equine Hospital
Location:	Benton, KY
Latitude:	36-49-18.57N NAD 83
Longitude:	88-24-39.72W
Heights:	501 feet site elevation (SE) 300 feet above ground level (AGL) 801 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 Change 1, 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 Airmen (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 10/01/2026 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 Joe Burkhardt, at (404) 305-5958, or Joseph.CTR.Burkhardt@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2025-ASO-3798-OE.

Signature Control No: 647985172-652224894

(DNE)

Julie A. Morgan

Manager, Obstruction Evaluation Group

Attachment(s)
Additional Information
Frequency Data
Map(s)

cc: FCC

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.

Frequency Data for ASN 2025-ASO-3798-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	42	dBW
6	7	GHz	55	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	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
1756	1780	MHz	3280	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
3450	3550	MHz	3280	W
3550	3700	MHz	50	W
3700	3980	MHz	3280	W
27500	28350	MHz	31623	W
29100	29250	MHz	31623	W
31000	31300	MHz	31623	W

38600

40000

MHz

31623

W



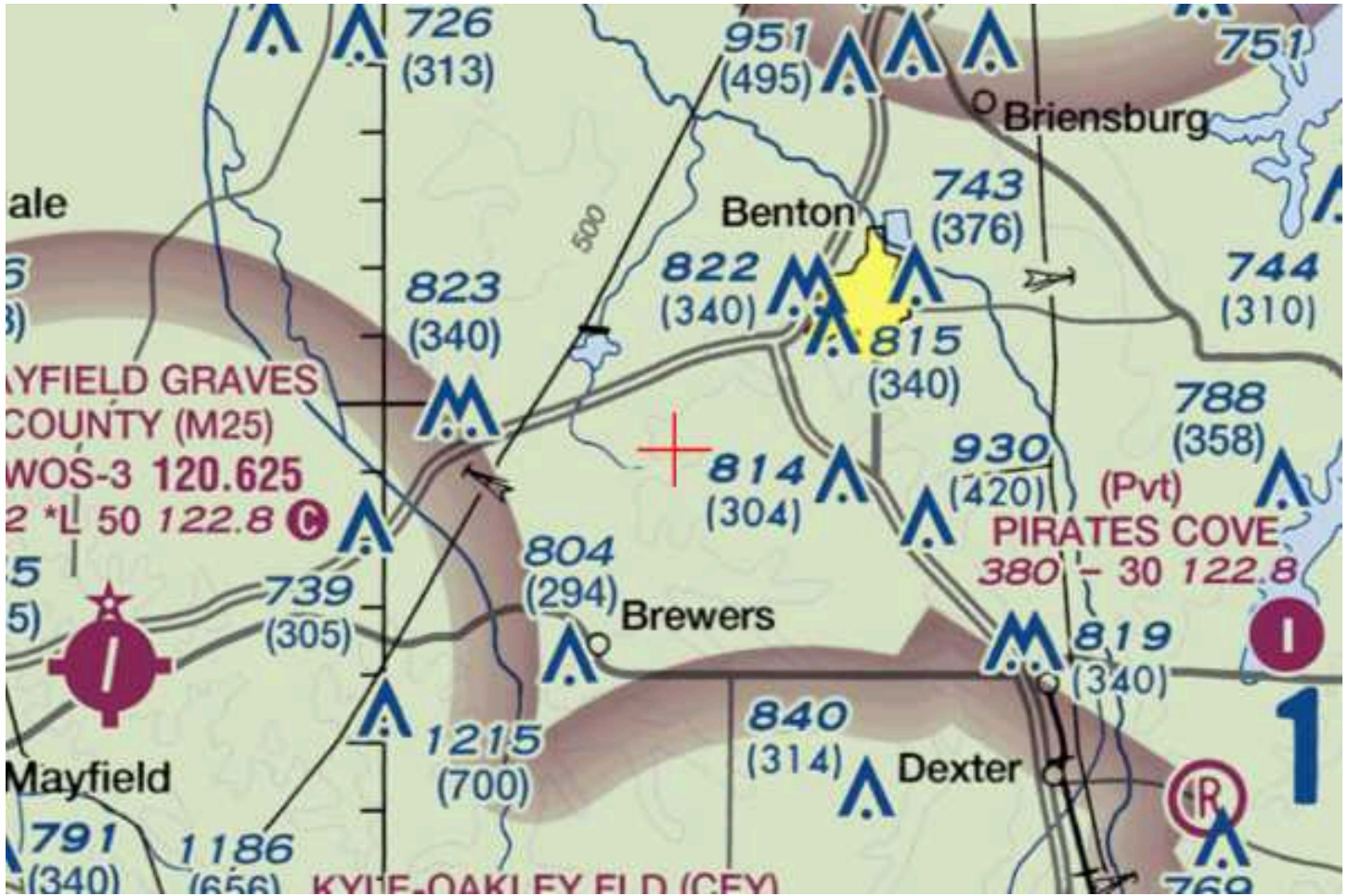


EXHIBIT F

**KENTUCKY AIRPORT ZONING COMMISSION
DOCUMENTATION**



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

Thursday, June 12, 2025
Jinay Vascon
241 Atlantic Blvd
Neptune Beach, FL 32266

AS-2025-040-M25 **Mayfield-Graves County Airport**
APPLICANTS NAME: Jinay Vascon
NEAREST CITY: Benton, KY
LATITUDE/LONGITUDE: 36°49'18.57" N, 88°24'39.72" W
HEIGHT (In Feet): 300' AGL /801' AMSL
CONSTRUCTION PROPOSED: Telecommunications Tower

NOTES: The tower location is approx 8.9 nm SW of M25, exceeds 200 ft AGL, and penetrates no protected air surfaces.

FAA DETERMINATION: 2025-ASO-3798-OE. No Hazard to Air Navigation. Marked & lighted IAW FAA AC 70/7460-1 M C1; med-dual system-Chapters 4,8(M-Dual) &15. Emissions must comply with FAA 5G C band compatibility evaluation process.

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, Lindsey Smith, at asac@asacsafety.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Administrator
Department of Aviation
502-564-0151 office
AirportZoning@ky.gov



EXHIBIT G
GEOTECHNICAL REPORT



DELTA OAKS GROUP

GEOTECHNICAL INVESTIGATION REPORT

June 11, 2025

Prepared For:

TeleCAD Wireless



Equine Hospital

Benton KY

Proposed 290-Foot Self-Supporting Tower

313 Cole Cemetery Road, Benton (Marshall County), Kentucky 42025

Latitude N 36° 49' 18.57" Longitude W 88° 24' 39.72"

Delta Oaks Group Project GEO25-25874-08

Revision 1

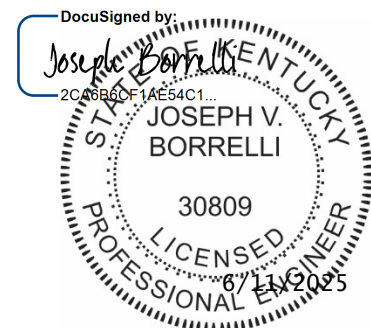
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Performed By:

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Joseph V. Borrelli, Jr., P.E.





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INTRODUCTION

This geotechnical investigation report has been completed for the proposed 290-foot self-supporting tower located at 313 Cole Cemetery Road in Benton (Marshall County), Kentucky. The purpose of this investigation was to provide engineering recommendations and subsurface condition data at the proposed tower location. A geotechnical engineering interpretation of the collected information was completed and utilized to suggest design parameters regarding the adequacy of the structure's proposed foundation capacity under various loading conditions. This report provides the scope of the geotechnical investigation; geologic material identification; results of the geotechnical laboratory testing; and design parameter recommendations for use in the design of the telecommunication facility's foundation and site development.

SITE CONDITION SUMMARY

The proposed tower and compound are located on an agricultural field adjacent to a tree line exhibiting a generally flat topography across the tower compound and subject property.

REFERENCES

- Civil Drawings, provided by TeleCAD Wireless, dated April 4, 2025
- TIA Standard (TIA-222-H), dated October 2017

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of four (4) mechanical soil test borings denoted B-1 through B-4 to the termination depths of 50.0, 25.0, 25.0, and 25.0 feet bgs. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted at the staked centerline of the proposed tower and the approximate locations of the proposed tower legs. Soil samples were transported to our laboratory and classified by a geotechnical engineer in accordance with ASTM D 2487. A detailed breakdown of the material encountered in our subsurface field investigation can be found in the boring logs presented in the Appendix of this report.

A boring plan portraying the spatial location of the boring in relation to the proposed tower, tower compound and immediate surrounding area can be found in the Appendix.



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SUBSURFACE CONDITION SUMMARY

The following provides a general overview of the site's subsurface conditions based on the data obtained during our field investigation.

FILL

Fill material was not encountered during the subsurface field investigation.

SOIL

The residual soil encountered in the subsurface field investigation began at the existing ground surface in the boring and consisted of clayey gravel, silty gravel, clayey sand, silty sand, sandy clay, gravelly clay, and lean clay. The materials ranged from a medium dense to very dense relative density and a medium stiff to hard consistency.

Auger advancement refusal was not encountered during the subsurface field investigation.

ROCK

Rock was not encountered during the subsurface field investigation.

SUBSURFACE WATER

At the time of drilling, subsurface water was encountered during the subsurface investigation at a depth of 18.5 feet bgs. However, subsurface water elevations can fluctuate throughout the year due to variations in climate, hydraulic parameters, nearby construction activity and other factors.

FROST PENETRATION

The frost penetration depth for Marshall County, Kentucky is 20 inches (1.7 feet).

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 2,950 ohms-cm.



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FOUNDATION DESIGN SUMMARY

In consideration of the provided tower parameters and the determined soil characteristics, Delta Oaks Group recommends utilizing a shallow foundation or drilled shaft foundation for the proposed structure. The strength parameters presented in the following sections can be utilized for design of the foundation.

GENERAL SUBSURFACE STRENGTH PARAMETERS

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-1	0.0 - 3.0	CL	120	0	900
	3.0 - 6.0	CL	120	0	1,200
	6.0 - 8.0	CL	120	0	2,200
	8.0 - 13.0	SC	130	45	0
	13.0 - 23.0	GM	130 / 68	45	0
	23.0 - 28.0	CL	120 / 58	0	2,500
	28.0 - 33.0	SM	120 / 58	35	0
	33.0 - 38.0	CL	125 / 63	0	3,700
	38.0 - 43.0	CL	120 / 58	0	2,100
	43.0 - 50.0	CL	120 / 58	0	2,900

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-2	0.0 - 3.0	CL	120	0	1,000
	3.0 - 8.0	CL	120	0	1,100
	8.0 - 13.0	SC	130	45	0
	13.0 - 18.0	GC	130	45	0
	18.0 - 23.0	SC	130 / 68	45	0
	23.0 - 25.0	CL	120 / 58	0	1,200



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Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-3	0.0 - 6.0	CL	115	0	700
	6.0 - 8.0	CL	120	0	1,300
	8.0 - 13.0	SC	130	45	0
	13.0 - 23.0	GC	130 / 68	45	0
	23.0 - 25.0	CL	120 / 58	0	1,400

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
B-4	0.0 - 3.0	CL	115	0	600
	3.0 - 6.0	CL	120	0	800
	6.0 - 8.0	CL	120	0	900
	8.0 - 13.0	SC	130	45	0
	13.0 - 18.0	GC	130	45	0
	18.0 - 23.0	SC	130 / 68	45	0
	23.0 - 25.0	CL	120 / 58	0	1,100

- The buoyant unit weight of soil should be utilized below a depth of 18.5 feet bgs.
- The unit weight provided assumes overburden soil was compacted to a minimum of 95% of the maximum dry density as obtained by the standard Proctor method (ASTM D 698) and maintained a moisture content within 3 percent of optimum
- The values provided for phi angle and cohesion should be considered ultimate.



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SUBSURFACE STRENGTH PARAMETERS – SHALLOW FOUNDATION

Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-1	5.0 x 5.0	3.0	8,290
		4.0	8,590
		5.0	8,880
		6.0	16,830
	10.0 x 10.0	3.0	7,850
		4.0	7,990
		5.0	8,140
		6.0	15,200
	15.0 x 15.0	3.0	7,700
		4.0	7,800
		5.0	7,900
		6.0	14,660
	20.0 x 20.0	3.0	7,620
		4.0	7,700
		5.0	7,770
		6.0	14,380
	25.0 x 25.0	3.0	7,580
		4.0	7,640
		5.0	7,700
		6.0	14,220



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Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-2	5.0 x 5.0	3.0	7,600
		4.0	7,870
		5.0	8,140
		6.0	8,410
	10.0 x 10.0	3.0	7,190
		4.0	7,330
		5.0	7,460
		6.0	7,600
	15.0 x 15.0	3.0	7,060
		4.0	7,150
		5.0	7,240
		6.0	7,330
	20.0 x 20.0	3.0	6,990
		4.0	7,060
		5.0	7,120
		6.0	7,190
	25.0 x 25.0	3.0	6,950
		4.0	7,000
		5.0	7,060
		6.0	7,110



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Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-3	5.0 x 5.0	3.0	4,840
		4.0	5,010
		5.0	5,180
		6.0	9,940
	10.0 x 10.0	3.0	4,580
		4.0	4,660
		5.0	4,750
		6.0	8,980
	15.0 x 15.0	3.0	4,490
		4.0	4,550
		5.0	4,610
		6.0	8,660
	20.0 x 20.0	3.0	4,450
		4.0	4,490
		5.0	4,530
		6.0	8,500
	25.0 x 25.0	3.0	4,420
		4.0	4,460
		5.0	4,490
		6.0	8,400



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Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
B-4	5.0 x 5.0	3.0	5,530
		4.0	5,720
		5.0	5,920
		6.0	6,880
	10.0 x 10.0	3.0	5,230
		4.0	5,330
		5.0	5,430
		6.0	6,220
	15.0 x 15.0	3.0	5,130
		4.0	5,200
		5.0	5,260
		6.0	6,000
	20.0 x 20.0	3.0	5,080
		4.0	5,130
		5.0	5,180
		6.0	5,880
	25.0 x 25.0	3.0	5,050
		4.0	5,090
		5.0	5,130
		6.0	5,820

- Delta Oaks Group recommends the foundation bear a minimum of 3.0 feet bgs.
- A sliding friction factor of 0.35 can be utilized along the base of the proposed foundation.
- An Ultimate Passive Pressure Table with a reduction due to frost penetration to a depth of 1.7 feet bgs is presented on the following page.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



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ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION (B-1)

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	120	0	900	0.00	1.00	900.00
Bottom	1.7	120	0	900	204.00	1.00	1,002.00
Top	1.7	120	0	900	204.00	1.00	2,004.00
Bottom	3.0	120	0	900	360.00	1.00	2,160.00
Top	3.0	120	0	1,200	360.00	1.00	2,760.00
Bottom	6.0	120	0	1,200	720.00	1.00	3,120.00
Top	6.0	120	0	2,200	720.00	1.00	5,120.00
Bottom	8.0	120	0	2,200	960.00	1.00	5,360.00
Top	8.0	130	45	0	960.00	5.83	5,595.29
Bottom	10.0	130	45	0	1,220.00	5.83	7,110.68

ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION (B-2)

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	120	0	1,000	0.00	1.00	1,000.00
Bottom	1.7	120	0	1,000	204.00	1.00	1,102.00
Top	1.7	120	0	1,000	204.00	1.00	2,204.00
Bottom	3.0	120	0	1,000	360.00	1.00	2,360.00
Top	3.0	120	0	1,100	360.00	1.00	2,560.00
Bottom	8.0	120	0	1,100	960.00	1.00	3,160.00
Top	8.0	130	45	0	960.00	5.83	5,595.29
Bottom	10.0	130	45	0	1,220.00	5.83	7,110.68



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ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION (B-3)

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	115	0	700	0.00	1.00	700.00
Bottom	1.7	115	0	700	195.50	1.00	797.75
Top	1.7	115	0	700	195.50	1.00	1,595.50
Bottom	6.0	115	0	700	690.00	1.00	2,090.00
Top	6.0	120	0	1,300	690.00	1.00	3,290.00
Bottom	8.0	120	0	1,300	930.00	1.00	3,530.00
Top	8.0	130	45	0	930.00	5.83	5,420.44
Bottom	10.0	130	45	0	1,190.00	5.83	6,935.83

ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION (B-4)

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Top	0.0	115	0	600	0.00	1.00	600.00
Bottom	1.7	115	0	600	195.50	1.00	697.75
Top	1.7	115	0	600	195.50	1.00	1,395.50
Bottom	3.0	115	0	600	345.00	1.00	1,545.00
Top	3.0	120	0	800	345.00	1.00	1,945.00
Bottom	6.0	120	0	800	705.00	1.00	2,305.00
Top	6.0	120	0	900	705.00	1.00	2,505.00
Bottom	8.0	120	0	900	945.00	1.00	2,745.00
Top	8.0	130	45	0	945.00	5.83	5,507.86
Bottom	10.0	130	45	0	1,205.00	5.83	7,023.25



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SUBSURFACE STRENGTH PARAMETERS - DRILLED SHAFT FOUNDATION

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-1	0.0 - 3.0	-	-	-
	3.0 - 6.0	15,800	650	650
	6.0 - 8.0	18,490	1,210	1,210
	8.0 - 13.0	21,440	1,330	1,000
	13.0 - 18.0	27,310	1,840	1,380
	18.0 - 23.0	20,380	2,130	1,590
	23.0 - 28.0	19,890	1,370	1,370
	28.0 - 33.0	24,330	2,260	1,700
	33.0 - 38.0	18,670	1,940	1,940
	38.0 - 43.0	21,640	1,150	1,150
	43.0 - 48.0	22,970	1,590	1,590
	48.0 - 50.0	22,790	1,590	1,590

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-2	0.0 - 3.0	-	-	-
	3.0 - 8.0	13,480	600	600
	8.0 - 13.0	21,440	1,330	1,000
	13.0 - 18.0	21,460	1,840	1,380
	18.0 - 23.0	9,950	2,130	1,590
	23.0 - 25.0	9,760	660	660



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Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-3	0.0 - 3.0	-	-	-
	3.0 - 6.0	13,720	380	380
	6.0 - 8.0	18,460	710	710
	8.0 - 13.0	21,410	1,300	970
	13.0 - 18.0	22,330	1,810	1,350
	18.0 - 23.0	11,720	2,100	1,570
	23.0 - 25.0	11,530	770	770

Boring	Depth (bgs)	Net Ultimate Bearing Capacity (psf)	Ultimate Skin Friction - Compression (psf)	Ultimate Skin Friction - Uplift (psf)
B-4	0.0 - 3.0	-	-	-
	3.0 - 6.0	12,950	430	430
	6.0 - 8.0	18,490	490	490
	8.0 - 13.0	21,440	1,330	1,000
	13.0 - 18.0	21,010	1,840	1,380
	18.0 - 23.0	9,050	2,130	1,590
	23.0 - 25.0	8,860	600	600

- The top 3.0 feet of soil should be ignored due to the frost penetration and the potential soil disturbance during construction.
- The values presented assume the concrete is cast-in-place against earth walls and any casing utilized during construction of the foundation was removed.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



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CONSTRUCTION

SITE DEVELOPMENT

The proposed access road and tower compound should be evaluated by a Geotechnical Engineer, or their representative, after the removal or "cutting" of the areas to design elevation but prior to the placement of any structural fill material to verify the presence of unsuitable or weak material. Unsuitable or weak materials should be undercut to a suitable base material as determined by a Geotechnical Engineer, or their representative. Backfill of any undercut area(s) should be conducted in accordance with the recommendations provided in the *STRUCTURAL FILL PLACEMENT* section of this report.

Excavations should be sloped or shored in accordance and compliance with OSHA 29 CFR Part 1926, Excavation Trench Safety Standards as well as any additional local, state and federal regulations.

STRUCTURAL FILL PLACEMENT

Structural fill materials should be verified, prior to utilization, to have a minimum unit weight of 110 pcf (pounds per cubic foot) when compacted to a minimum of 95% of its maximum dry density and within plus or minus 3 percentage points of optimum moisture. Materials utilized should not contain more than 5 percent by weight of organic matter, waste, debris or any otherwise deleterious materials. The Liquid Limit should be no greater than 40 with a Plasticity Index no greater than 20. Structural fill material should contain a maximum particle size of 4 inches with 20 percent or less of the material having a particle size between 2 and 4 inches. Backfill should be placed in thin horizontal lifts not to exceed 8 inches (loose) in large grading areas and 4 inches (loose) where small handheld or walk-behind compaction equipment will be utilized. The potential suitability of on-site materials to be utilized as fill should be evaluated by a Geotechnical Engineer, or their representative just prior to construction.

During construction structural fill placement should be monitored and tested. This should include at minimum, visual observation as well as a sufficient amount of in-place field density tests by a Geotechnical Engineer, or their representative. Materials should be compacted to a minimum of 95% of the maximum dry density as determined by ASTM D 698 (standard Proctor method). Moisture contents should be maintained to within plus or minus 3 percentage points of the optimum moisture content.

SHALLOW FOUNDATIONS

Foundation excavation(s) should be evaluated by a Geotechnical Engineer, or their representative, prior to reinforcing steel and concrete placement. This evaluation should include visual observation to verify a level bearing surface; vertical side-walls with no protrusions, sloughing or caving; and the exposed bearing surface is free of deleterious material, loose soil and standing water. Excavation dimensions should be verified and testing performed on the exposed bearing surface to verify compliance with design recommendations. Bearing testing should be conducted in accordance with ASTM STP399 (Dynamic Cone Penetrometer). A 6-inch layer of compacted crushed stone should be installed prior to reinforcing steel and concrete placement. If subsurface water is encountered during excavation dewatering methods such as sump pumps or well points may be required.



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DRILLED SHAFT FOUNDATIONS

Drilled shaft foundations (caissons) are typically installed utilizing an earth auger to reach the design depth of the foundation. Specialized roller bits or core bits can be utilized to penetrate boulders or rock. The equipment utilized should have cutting teeth to result in an excavation with little or no soil smeared or caked on the excavation sides with spiral-like corrugated walls. The drilled shaft design diameter should be maintained throughout the excavation with a plumbness tolerance of 2 percent of the length and an eccentricity tolerance of 3 inches from plan location. A removable steel casing can be installed in the shaft to prevent caving of the excavation sides due to soil relaxation. Upon completion of the drilling and casing placement, loose soils and subsurface water greater than 3-inches in depth should be removed from the bottom of the excavation for the "dry" installation method. The drilled shaft installation should be evaluated by a Geotechnical Engineer, or their representative, to verify suitable end bearing conditions, design diameter and bottom cleanliness. The evaluation should be conducted immediately prior to as well as during concrete placement operations.

The drilled shaft should be concreted as soon as reasonably practical after excavation to reduce the deterioration of the supporting soils to prevent potential caving and water intrusion. A concrete mix design with a slump of 6 to 8 inches employed in conjunction with the design concrete compressive strength should be utilized for placement. Super plasticizer may be required to obtain the recommended slump range. During placement, the concrete may fall freely through the open area in the reinforcing steel cage provided it does not strike the reinforcing steel and/or the casing prior to reaching the bottom of the excavation. The removable steel casing should be extracted as concrete is placed. During steel casing removal a head of concrete should be maintained above the bottom of the casing to prevent soil and water intrusion into the concrete below the bottom of the casing.

If subsurface water is anticipated and/or weak soil layers are encountered drilled shafts are typically installed utilizing the "wet" method by excavating beneath a drilling mud slurry. The drilling mud slurry is added to the drilled shaft excavation after groundwater has been encountered and/or the sides of the excavation are observed to be caving or sloughing. Additional inspection by a Geotechnical Engineer, or their representative, during the "wet" method should consist of verifying maintenance of sufficient slurry head, monitoring the specific gravity, pH and sand content of the drilling slurry, and monitoring any changes in the depth of the excavation between initial approval and just prior to concreting.

Concrete placement utilizing the "wet" method is conducted through a tremie pipe at the bottom of the excavation with the drilling mud slurry level maintained at a minimum of 5 feet or one shaft diameter, whichever is greater, above the ground water elevation. The bottom of the tremie should be set one tremie pipe diameter above the excavation. A closure flap at the bottom of the tremie or a sliding plug introduced into the tremie before the concrete is recommended to reduce the potential contamination of the concrete by the drilling mud slurry. The bottom of the tremie must be maintained in the concrete during placement. Additional concrete should be placed through the tremie causing the slurry to overflow from the excavation in order to reduce the potential for the development of "slurry pockets" remaining in the drilled shaft.



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QUALIFICATIONS

The design parameters and conclusions provided in this report have been determined in accordance with generally accepted geotechnical engineering practices and are considered applicable to a rational degree of engineering certainty based on the data available at the time of report preparation and our practice in this geographic region. All recommendations and supporting calculations were prepared based on the data available at the time of report preparation and knowledge of typical geotechnical parameters in the applicable geographic region.

The subsurface conditions used in the determination of the design recommendations contained in this report are based on interpretation of subsurface data obtained at specific boring locations. Irrespective of the thoroughness of the subsurface investigation, the potential exists that conditions between borings will differ from those at the specific boring locations, that conditions are not as anticipated during the original analysis, or that the construction process has altered the soil conditions. That potential is significantly increased in locations where existing fill materials are encountered. Additionally, the nature and extent of these variations may not be evident until the commencement of construction. Therefore, a geotechnical engineer, or their representative, should observe construction practices to confirm that the site conditions do not differ from those conditions anticipated in design. If such variations are encountered, Delta Oaks Group should be contacted immediately in order to provide revisions and/or additional site exploration as necessary.

Samples obtained during our subsurface field investigation will be retained by Delta Oaks Group for a period of 30 days unless otherwise instructed by TeleCAD Wireless. No warranty, expressed or implied, is presented.

Delta Oaks Group appreciates the opportunity to be of service for this Geotechnical Investigation Report. Please do not hesitate to contact Delta Oaks Group with any questions or should you require additional service on this project.



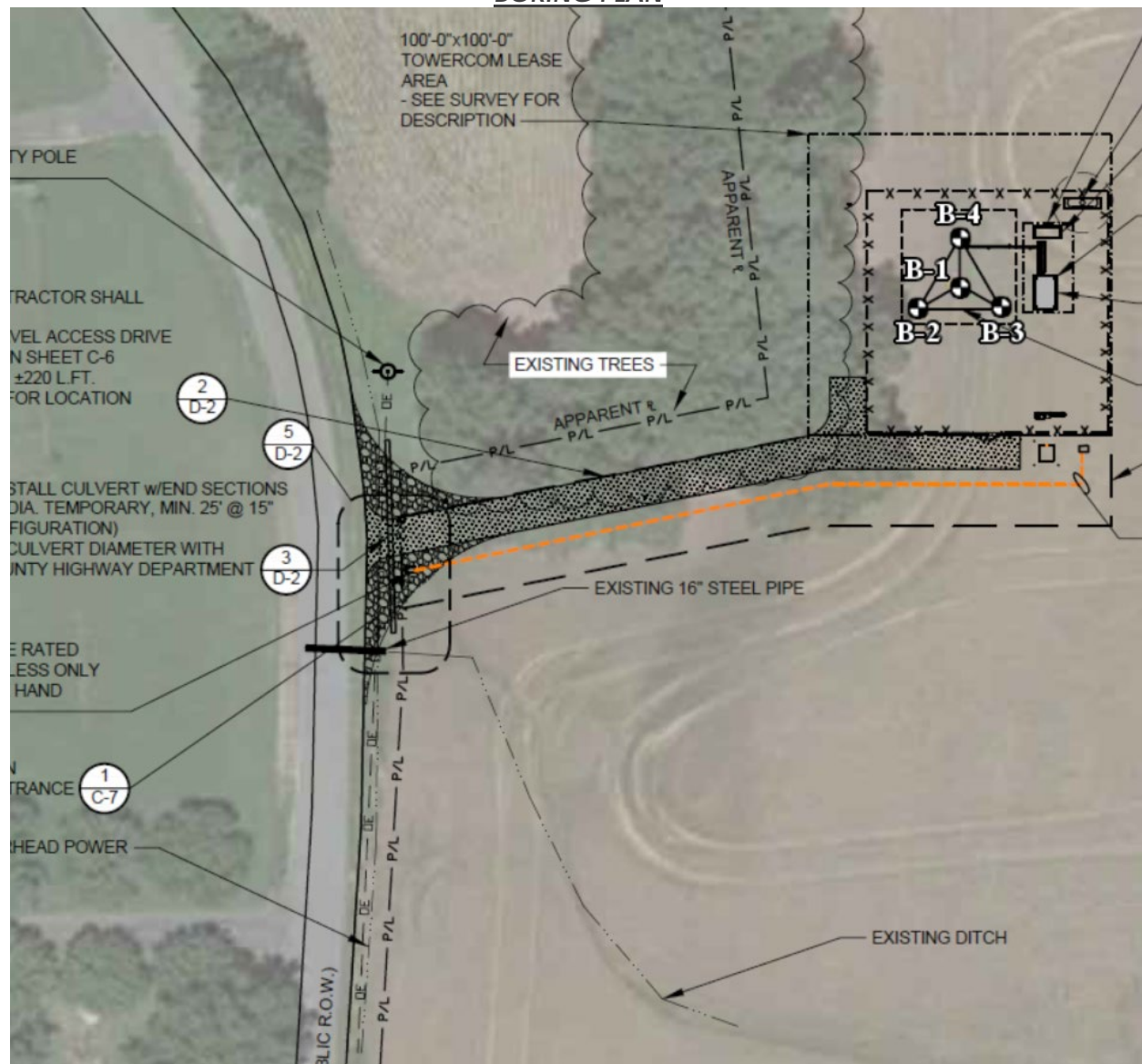
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APPENDIX



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BORING PLAN





PROJECT NAME Equine Hospital (Benton KY)
PROJECT NUMBER GEO25-25874-08
PROJECT LOCATION Benton, Kentucky

CLIENT TeleCAD Wireless

Boring No.: B-1

DATE DRILLED : 5/29/2025				GROUND WATER LEVELS:														
DRILLING METHOD : Hollow Stem Auger				▽ AT TIME OF DRILLING : 18.50 ft														
GROUND ELEVATION :				▼ AT END OF DRILLING : ---														
BORING DEPTH (ft) : 50				▼ AFTER DRILLING : --- Not measured														
DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE	▲ SPT N VALUE ▲									
0									10	20	30	40	50	60	70	80	90	
	Brown, grey, stiff, LEAN CLAY (CL), with sand, trace silt, trace organics, moist	⊗	CL		2	3	6	9	▲									
	Brown, grey, stiff, SANDY CLAY (CL), with silt, trace gravel, moist	⊗	CL		2	4	8	12	▲									
5	-- very stiff	⊗			2	7	15	22	▲									
	Brown, grey, very dense, fine to coarse grained, CLAYEY SAND (SC), with gravel, moist	⊗	SC		7	25	50/5"	100	▲									
	Brown, very dense, SILTY GRAVEL (GM), with sand, trace clay, wet	⊗	GM		13	50/3"		100	▲									
	-- saturated	⊗			23	47	50/5"	100	▲									
20		⊗	CL		8	13	12	25	▲									
	Brown, grey, medium dense, fine to coarse grained, SILTY SAND (SM), trace clay, trace mica, moist	⊗	SM		10	14	14	28	▲									
	Black, grey, hard, SANDY CLAY (CL), trace silt, trace mica, moist	⊗	CL		7	13	24	37	▲									
35		⊗			3	8	13	21	▲									
	-- very stiff	⊗			7	13	16	29	▲									
		⊗			6	14	15	29	▲									
50	Bottom of borehole at 50.0 feet.																	

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⚠ AFTER DRILLING : --- Not measured

[illegible]

PAGE 1 OF 1

⚠ AFTER DRILLING : --- Not measured

[illegible]

PAGE 1 OF 1

⚠ AFTER DRILLING : --- Not measured

[illegible]

EXHIBIT H

DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at 1101 Main Street, Benton, Kentucky 42025, head south on Main Street toward E 12th Street and travel approximately 125 feet.
2. Turn right at the first cross street onto KY-58 W / W 12th Street / Mayfield Road and travel approximately 3.4 miles.
3. Turn right onto Houser Road and travel approximately 1.0 miles.
4. Turn left onto Cole Cemetery Road and travel approximately 0.3 miles.
5. Arrive at the site on the left. The site address is 313 Cole Cemetery Road, Benton, KY 42025.
6. The site coordinates are 36° 49' 18.57" North latitude, 88° 24' 39.72" West longitude.



Prepared by:
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P.O. Box 369
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I

COPY OF REAL ESTATE AGREEMENT

(a) Optionor has good and marketable fee simple title to the Leased Premises and the Easements free and clear of all liens and encumbrances, other than those liens and encumbrances shown in the public records;

(b) Optionor has the authority to enter into, and be bound by, the terms of this Option without obtaining the consent of any third parties, as evidenced by the authority documents required in connection with Optionee's title policy insuring Optionee's leasehold interest in the Leased Premises and the Easements including, without limitation, an owner's title affidavit, operating agreement, partnership or corporate resolutions, by-laws, or any other reasonable documentation required by the title company;

(c) There are no pending or threatened administrative actions, including bankruptcy or insolvency proceedings under state or federal law, suits, claims or causes of action against Optionor, which may otherwise affect the Leased Premises and the Easements; and

(d) The Leased Premises and the Easements are not presently subject to an option, lease or other contract which may adversely affect Optionor's ability to fulfill its obligations under this Option, and Optionor covenants that it shall not grant an option or enter into any contract which will affect the Leased Premises or the Easements until this Option expires or is terminated by Optionee.

These representations of Optionor shall survive the exercise of the Option and the closing anticipated by the exercise of this Option.

6. **Liquidated Damages.** In the event of a default or breach of this Option by Optionee, Optionor's damages shall be fixed and liquidated to the sums paid by Optionee to Optionor as consideration for this Option. Optionor hereby expressly waives any other remedies it may have for a breach of this Option by Optionee including specific performance and damages for breach of contract.

7. **Inspections and Investigations.** Optionor hereby grants to Optionee, its officers, agents, employees and independent contractors the right and privilege to enter upon the Leased Premises and the Easements at any time after the date of this Option to perform, or cause to be performed site inspections, which shall include, but not be limited to, test borings of the soil, environmental audits, engineering studies and to conduct a survey of the Leased Premises and the Easements. Optionor shall provide Optionee with any necessary keys or access codes to the Leased Premises and the Easements if needed for ingress and egress. Optionee shall not unreasonably interfere with Optionor's use of the Leased Premises or the Easements in conducting these activities. Optionee shall have the right, at its cost and expense, to have the Leased Premises and the Easements surveyed and to obtain a title report or commitment for a leasehold title policy covering the Leased Premises and the Easements from the title insurance company of its choice. Optionor shall remove any survey or title defects, which will adversely affect Optionee's leasehold title or its ability to mortgage the leasehold interest. In the event Optionor shall fail to cure any such defects, Optionee, at its election, may terminate this Option, and upon such termination, there shall be no further liability on the part of Optionee to Optionor hereunder.

8. **Further Acts.** Optionor shall cooperate with Optionee in executing any documents necessary to protect Optionee's rights under this Option or Optionee's use of the Leased Premises and the Easements and to take such action as Optionee may reasonably require to effect the intent

of this Option. Optionor hereby irrevocably appoints Optionee or Optionee's agent as Optionor's agent to file applications on behalf of Optionor with federal, state and local governmental authorities which applications relate to Optionee's intended use of the Leased Premises including, but not limited to, land use and zoning applications.

II. GROUND LEASE AGREEMENT

9. **Exercise of Option.** Upon the delivery of written notice by Optionee to Optionor of Optionee's exercise of the Option, the additional terms of this Section II - Ground Lease Agreement ("Lease") shall govern the relationship of the parties, and Optionor shall thereafter be referred to as Lessor, and Optionee shall hereafter be referred to as Lessee. The first day of the month following the date of the written notice to exercise the Option shall constitute the commencement date of the Lease ("Commencement Date").

10. **Use.** The Leased Premises may be used by Lessee for the transmission and receipt of wireless communication signals in any and all frequencies and the construction and maintenance of a communications tower, antennas, buildings, and related facilities and activities, and all other uses permitted under applicable zoning regulations. Lessor agrees to cooperate with Lessee in obtaining, at Lessee's expense, all licenses and permits required for Lessee's use of the Leased Premises (the "Governmental Approval"). Lessee may construct additional improvements, demolish and reconstruct improvements, or restore, replace and reconfigure improvements at any time on the Leased Premises.

11. **Initial Term.** The term of this Lease shall be **five (5) years** commencing on the Commencement Date, as that term is defined in Paragraph 9 herein, and terminating on the fifth (5th) anniversary of the Commencement Date ("Initial Term"). The parties agree that a memorandum of lease in the form attached hereto as **Exhibit C** evidencing the Commencement Date and other matters, shall be executed and recorded.

12. **Renewal Terms.** Lessee shall have the right to extend this Lease for **nine (9) additional five (5) year terms** (each a "Renewal Term"). Each Renewal Term shall be on the same terms and conditions as set forth in this Lease. This Lease shall automatically be renewed for each successive Renewal Term unless Lessee notifies Lessor of Lessee's intention not to renew the Lease at least thirty (30) days prior to the expiration of the Initial Term or the Renewal Term which is then in effect.

13. **Rent.** Commencing on the Commencement Date, Lessee shall pay to Lessor an annual rental amount of [REDACTED] to be paid in equal monthly installments of [REDACTED] ("Rent"), which shall be deemed to include any applicable State, County or local sales or use tax. The Rent for each renewal term shall increase by [REDACTED] on the first day of such Renewal Term. Rent shall be payable in advance on or before the nineteenth (15th) day of each calendar month and shall be remitted to the address shown for Lessor in this Lease, or such other address as Lessor may direct by notice of writing to Lessee. It shall be the sole responsibility of the Lessor to remit payment of any applicable State, County or local sales, rent or use tax to the appropriate taxing authority. If the date of termination of this Lease (the "Termination Date") is

other than the first (1st) day of a calendar month, rent shall be prorated. In the event of termination for any reason, other than nonpayment of Rent, all Rent paid in advance of Termination Date for that period, after the Termination Date shall be refunded to Lessee. At Lessor's request, Lessee shall utilize direct deposit into Lessor's bank account with regard to Rent payments, and shall cooperate with Lessor in providing all requisite information to implement such direct deposit system.

14. **Lessor's Representation.** To the best of the Lessor's knowledge, Lessor represents that Lessee's intended use of the Leased Premises as a site for the transmission and receipt of wireless communication signals and for the construction and maintenance of towers, antennas or buildings; and related facilities ("Intended Use") is not prohibited by any covenants, restrictions, reciprocal easements, servitudes, subdivision rules or regulations. To the best of the Lessor's knowledge, Lessor further represents that there are no easements, licenses, rights of use or other encumbrances on the Leased Premises or the Easements which will interfere with or constructively prohibit Lessee's Intended Use of the Leased Premises. To the best of the Lessor's knowledge, Lessor further represents that the execution of this Lease by Lessor will not cause a breach or an event of default of any other agreement to which Lessor is a party.

15. **Conditions Subsequent.** In the event that Lessee's Intended Use of the Leased Premises is actually or constructively prohibited through no fault of Lessee or the Leased Premises or the Easements are, in Lessee's opinion, unacceptable to Lessee, then upon notice from Lessee, this Lease shall terminate and be of no further force or effect and Lessee shall be entitled to a refund from Lessor of any deposits or Rent paid in advance to Lessor which sums were paid prior to the date upon which Lessee gives Lessor notice of its intent to terminate this Lease pursuant to this paragraph.

16. **Interference.** Lessor shall not use, nor shall Lessor permit its lessees, licensees, invitees or agents to use, any portion of adjacent real property owned by Lessor in any way which interferes with the wireless communications operation of Lessee. Such interference shall be deemed a material breach of this Lease by Lessor and Lessor shall have the responsibility to terminate said interference. In the event any such interference does not cease or is not promptly rectified, Lessor acknowledges that continuing interference will cause irreparable injury to Lessee, and Lessee shall have the right, in addition to any other rights that it may have at law or in equity, to bring action to enjoin such interference or to terminate this Lease immediately upon notice to Lessor. Normal farming activity will continue around the Leased Premises and Easements without interference.

17. **Improvements Utilities: Access.**

(a) Lessee shall have the right at Lessee's sole cost and expense, to erect and maintain on the Leased Premises improvements, personal property and facilities, including without limitation, a communications tower, a structural tower base, radio transmitting and receiving antennas, communications equipment, equipment cabinets and/or shelters and related facilities (collectively the "Tower Facilities"). The Tower Facilities shall remain the exclusive property of the Lessee throughout the term and upon termination of this Lease. Lessor grants Lessee the right to clear all trees, undergrowth, or other obstructions and to trim, cut, and keep trimmed and cut all tree limbs which may interfere with or fall upon Lessee's tower or Lessee's other improvements, communications equipment or Easement rights. Lessor grants Lessee a non-exclusive easement in,

over, across and through other real property owned by Lessor as reasonably required for construction, installation, maintenance, and operation of the Tower Facilities.

(b) Lessee shall have the right to install utilities, at Lessee's expense, and to improve present utilities on the Leased Premises (including, but not limited to, the installation of emergency power generators). Lessee shall have the right to permanently place all necessary or required utilities, including, but not limited to, utility wires, poles, cables, fiber optic cable, conduits and pipes over, under, or along the Easements to service the Leased Premises and the Tower Facilities. In the event that utilities necessary to serve the equipment of Lessee or the equipment of Lessee's licensee(s) or sublessee(s) cannot be located within the Easements for ingress and egress, Lessor agrees to cooperate with Lessee and to act reasonably in allowing the location of utilities on other real property owned by Lessor without requiring additional compensation from Lessee or Lessee's licensee(s) or sublessee(s). Lessor shall, upon Lessee's request, execute a separate written easement to the utility company providing the service for Lessee in a form which may be filed of record evidencing this right.

(c) Lessor represents and warrants to Lessee that Lessee shall have ingress and egress, seven (7) days a week, twenty-four (24) hours a day, on foot or motor vehicle (including trucks), at all times during this Lease, from the Leased Premises to an open and improved public road which presently exists, and which Easements shall be adequate to service the Leased Premises and the Tower Facilities. If no such public road exists, or ceases to exist in the future, Lessor will grant an appropriate easement to Lessee, Lessee's sublessees and assigns so that Lessee may, at its own expense, construct a suitable private access drive to the Leased Premises and the Tower Facilities. To the degree such access is across other property owned by Lessor, Lessor shall execute an easement evidencing this right and Lessor shall maintain access to the Easements in a free and open condition so that no interference is caused by Lessor, by other lessees, licensees, invitees or agents of the Lessor which may utilize the Easements. Lessor shall provide such access to the Leased Premises across Lessor's adjacent property, and over all paved or unpaved roads owned or controlled by Lessor, to allow Lessee, or its sublessees, to use, maintain and repair the improvements located on the Leased Premises. Such access shall be provided twenty-four (24) hours per day, seven (7) days per week.

18. **Termination**. Except as otherwise provided herein, this Lease may be terminated without any penalty or further liability upon written notice as follows:

(a) By either party upon a default of any covenant or term hereof by the other party, which default is not cured within sixty (60) days of receipt of written notice of default (without however, limiting any other rights available to the parties at law or equity, including an action for specific performance of any obligations hereunder); provided, that if the defaulting party commences efforts to cure the default within such period and diligently pursues curing of the default to completion within a reasonable time period, the non-defaulting party shall no longer be entitled to declare a default;

(b) Upon sixty (60) days' written notice by Lessee to Lessor, if Lessee is unable to obtain or maintain through no fault of Lessee, any license, permit or other Governmental Approval necessary for the construction and operation of the Tower Facilities or Lessee's business; or

(c) By Lessee for any reason upon one (1) year's advance written notice from Lessee to Lessor.

After termination of this Lease, Lessee shall remove the Tower Facilities, which Lessee has installed or otherwise located on the Premises, including underground foundations to not more than four (4') feet below grade. Lessee shall continue to pay Rent in its entirety until all Tower Facilities and equipment are entirely removed from the Leased Premises.

19. **Sublessee's Improvements.** Lessee's licensee(s) and sublessee(s) shall be entitled to modify the Tower Facilities and to erect additional improvements on the Leased Premises, including, but not limited to, antennas, dishes, cabling, additional storage buildings or equipment shelters on the Leased Premises as are reasonably required for the operation and maintenance of the communications equipment to be installed on the Leased Premises by said licensee(s) and sublessee(s), together with rights of ingress and egress to the Leased Premises and the right to install utilities to and on the Leased Premises and Easements as if said licensee or sublessee were the Lessee under this Lease. The Lessee shall not be allowed to place guy wires on the Tower for any reason.

20. **Taxes.** Lessee shall pay any personal property taxes assessed on, or any portion of such taxes attributable to, the Tower Facilities. In addition, Lessee shall pay any increase in real property taxes levied against the Leased Premises which are directly attributable to Lessee's use of the Leased Premises; provided that Lessor furnishes proof to Lessee that such increase directly resulted from Lessee's use of the Leased Premises. In the event that Lessor fails to pay, when due, any taxes affecting the Leased Premises or the Easements, Lessee shall have the right, but not the obligation, to pay such taxes and deduct the full amount of the taxes paid by Lessee on Lessor's behalf from future installments of Rent. Lessor hereby represents and warrants that Lessor's property on which the Leased Premises and Easements are located is not subject to any "Conservation Use Covenant," "Greenbelt Covenant," agricultural or timberland covenant, or any other conservation use program which restricts or limits development of Lessor's property. Lessor agrees to be solely responsible for payment of any penalties, roll-back or additional taxes, special assessments or other monetary amounts now or hereafter payable to any county, city, state or other party as a result of the breach of any conservation use tax program affecting the property on which the Leased Premises and Easements are located or resulting from the change in the nature or character of the use of the property from its present use to a communications tower facility. Lessor does hereby covenant and agree to indemnify and hold Lessee forever harmless from any and all liabilities, claims, demands, actions or causes of action arising from or relating to a breach of any such covenants, whether such breach occurs because of the erection of the Tower Facilities on the Leased Premises or otherwise.

21. **Destruction of Premises.** If the Leased Premises or the Tower Facilities are destroyed or damaged, so as to hinder the effective use of the Tower Facilities in Lessee's judgment, Lessee may elect to terminate this Lease as of the date of the damage or destruction by so notifying the Lessor. In such event, all rights and obligations of Lessee to Lessor shall cease as of the date of the damage or destruction, except the obligation to remove all improvements at the expense of the Lessee and to continue to pay the monthly rent until the Lessee's improvement are removed.

22. **Condemnation.** If a condemning authority takes all of the Leased Premises or Easements, or a portion sufficient in Lessee's determination to render the Leased Premises or the

Easements, in the sole opinion of Lessee, unsuitable for the use which Lessee was then making of the Leased Premises and Easements, this Lease shall terminate as of the date the title vests in the condemning authority. Lessee shall be entitled to file its own claims against the condemning authority for the value of its leasehold interest in the Premises and the value of its Tower Facilities, together with moving expenses, prepaid rent and business dislocation and relocation expenses. A sale of all or part of the Leased Premises and/or Easements to a purchaser with the power of eminent domain, in the face of the exercise of eminent domain power, shall be treated as taking by condemnation for the purpose of this paragraph.

23. **Insurance.** Lessee shall purchase and maintain in full force and effect throughout the Initial Term and any Renewal Term public liability and property damage policies. The policy of general liability insurance shall provide a combined single limit of [REDACTED] and shall name Lessor as an additional insured.

24. **Lessee's Environmental Covenants and Indemnity.** As used in this Lease, the term "Hazardous Materials" shall mean any hazardous or toxic substance, material or waste which is, or becomes designated as such in the future or is regulated by any agency of the United States Government or by any local governmental authority having jurisdiction, including, without limitation, any substance, material or waste that is defined or designated as a hazardous substance pursuant to the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act or the Clean Water Act. During the term of this Lease, Lessee shall cause the presence, use, storage and/or disposal of any Hazardous Material, on or under the Leased Premises by Lessee, its agents, employees, business invitees, contractors or sublessees to be in compliance with all applicable laws, rules, regulations and orders. Lessee shall not install or permit the installation of any underground storage tanks on the Leased Premises. Lessee shall defend, indemnify, protect and hold Lessor harmless from and against all claims, costs, fines, judgments and liabilities, including attorney's fees and costs, arising out of or in connection with the presence, storage, use or disposal of Hazardous Materials on or under the Leased Premises caused by the acts, omissions or negligence of Lessee, its employees, business invitees, contractors or sublessees. The foregoing indemnity shall survive any termination of this Lease.

25. **Lessor's Environmental Representation and Indemnity.** Lessor represents and warrants that no Hazardous Materials have been generated, stored, disposed of or are present on or under the Leased Premises and the Easements prior to the Commencement Date of this Lease. Lessor shall immediately notify Lessee in writing of (i) any release or threatened release of Hazardous Materials in, on, under, from or migrating towards the Leased Premises; (ii) any non-compliance with any environmental laws related in any way to the Leased Premises; (iii) any actual or potential environmental lien; (iv) any required or proposed remediation of environmental conditions relating to the Leased Premises; and (v) any written or oral notice or other communication relating in any way to Hazardous Materials on the Leased Premises. Lessor shall indemnify, defend, protect and hold Lessee harmless from and against any and all claims, costs, fines, judgments, liability, actions, causes of action, liens and expenses; including, without limitation, penalties and reasonable attorneys' fees, incurred or suffered by or asserted against Lessee, arising out of or in any way relating to any one or more of the following which are not caused by Lessee: (a) the presence of any Hazardous Materials in, on, or under the Leased Premises; (b) any past, present or threatened release of Hazardous Materials in, on, under or from the Leased Premises; (c) any activity by Lessor in connection with any actual, proposed or threatened use, treatment, storage, existence, disposition or other release, production, manufacturing, management,

abatement, removal, handling, transfer or transportation to or from the Leased Premises of any Hazardous Materials at any time located in, under or on the Leased Premises; (d) any testing and/or remediation costs in connection with any Hazardous Materials alleged to be located in, under, on or above the Leased Premises; (e) any past or present non-compliance with or violations of any environmental laws in connection with the Leased Premises or operations thereon, including, but not limited to, any failure by Lessor to comply with any order of any governmental authority in connection with any environmental laws; and (f) the imposition, recording or filing or the threatened imposition, recording or filing of any environmental lien encumbering the Leased Premises. The foregoing representations and indemnities shall survive any termination of this Lease.

26. **Notices.** All notices required or permitted under this Agreement shall be in writing and shall be deemed effective upon personal delivery, or three (3) days after being deposited in the U.S. Mail, registered or certified, and postage prepaid, or one (1) day after being deposited with a recognized overnight delivery service. Such notices shall be addressed to the party at the addresses shown below, or at such other address or addresses as either party shall designate to the other in writing in accordance with this paragraph:

As to Lessor: Neal Cole
 16 Bondurant Lane
 Benton, Kentucky 42025
 Phone: (270) 205-6466
 E-mail address: njcole@bellsouth.net

As to Lessee: TowerCom VI-B, LLC
 Attn: Chip Bulloch, Vice President
 241 Atlantic Blvd. Ste. 201
 Neptune Beach, FL 32266
 (904) 880-8887
 E-mail address: cbulloch@towercomenterprises.com

27. **Title and Quiet Enjoyment.** Lessor warrants and represents that (i) it has the full right, power, and authority to execute this Lease; (ii) it has good and marketable fee simple title to the Leased Premises and the Easements; and (iii) the Leased Premises constitutes a legal lot that may be leased without the need for any subdivision or platting approval. Lessor covenants that Lessee shall have the quiet enjoyment of the Leased Premises during the term of the Lease. Lessor shall indemnify Lessee from and against any loss, cost, expense or damage, including attorneys' fees associated with a breach of the foregoing covenant of quiet enjoyment. This Lease shall be an estate for years and not a usufruct. Lessor shall not use, nor shall Lessor permit its lessees, licensees, invitees, or agents to use any portion of any property owned or controlled by Lessor in any way which interferes with operations of Lessee. Such interference shall be deemed a material breach by Lessor, and Lessee shall have the right, in addition to any other rights that it may have in law or equity, to enjoin such interference or to terminate this Lease.

28. **Subordination and Non-Disturbance.** This Lease shall be subject to and subordinate to any mortgage or deed to secure debt (collectively referred to as a "Mortgage") made by Lessor which may now or hereafter encumber the Leased Premises and Easements, provided that no such subordination shall be effective unless the holder of every such Mortgage shall in a

separate agreement with Lessee agree that in the event of a foreclosure, or conveyance in lieu of foreclosure of Lessor's interest in the Leased Premises and Easements, such holder shall recognize and confirm the validity and existence of this Lease and that Lessee shall have the right to continue its use and occupancy of the Leased Premises and Easements in accordance with the provisions of this Lease as long as Lessee is not in default of this Lease beyond applicable notice and cure periods. Lessee shall execute in timely fashion such instruments as may reasonably be requested to evidence the provisions of this paragraph. In the event the Leased Premises and/or Easements are encumbered by a Mortgage on the date of the exercise of the Option, Lessor promptly shall obtain and furnish Lessee with a non-disturbance agreement in recordable form from the holder of each Mortgage.

29. **Assignments and Subleases.**

(a) Lessee may mortgage or grant a security interest in Lessee's leasehold estate and the Tower Facilities, and may make a conditional assignment of this Lease and the Tower Facilities to any such mortgagees or holders of security interests, including their successors and assigns (hereinafter, collectively referred to as "Secured Parties"). In such event, Lessor shall execute such consent to leasehold financing as may reasonably be required by Secured Parties. Lessor agrees to notify Lessee and Lessee's Secured Parties simultaneously of any default by Lessee, and to give Secured Parties the same right to cure any default as Lessee except that the cure period for any Secured Party shall not be less than thirty (30) days after the receipt of the default notice. If a termination, disaffirmation or rejection of the Lease, pursuant to any laws (including any bankruptcy or insolvency laws), by Lessee shall occur, or if Lessor shall terminate this Lease for any reason as provided for in Paragraph 18 herein, Lessor will give the Secured Parties prompt notice thereof and Lessor will give the Secured Parties the right to enter upon the Leased Premises during a thirty (30) day period commencing upon the Secured Party's receipt of such notice for the purpose of removing any Tower Facilities. Lessor acknowledges that the Secured Parties shall be third-party beneficiaries of this Lease.

(b) Lessee shall have the right to sublease or assign its rights under this Lease, with the consent of Lessor, which shall not be unreasonably withheld, delayed, or conditioned. Provided however, the Lessor's consent shall not be required for any of the following:

- i. any conditional assignment of this Lease to Secured Parties as described in subparagraph (a) above;
- ii. any sublease or license of a portion of the Tower Facilities in the ordinary course of Lessee's business;
- iii. an assignment or sublease to an affiliate entity of Lessee;
- iv. an assignment to an entity in the business of developing or owning telecommunication towers.

Any such sublease or assignment shall be subject to all terms and conditions of this Lease. Upon assignment of all of its rights pursuant to this Lease, and the execution of a written assumption of all of the terms and conditions of the Lease by the assignee, Lessee shall be released from any further liability under this Lease.

30. **Successors and Assigns.** This Lease shall run with the Leased Premises described on Exhibit "A" and shall be binding upon and inure to the benefit of the parties, their respective heirs, successors, personal representatives and assigns.

31. **Waiver of Lessor's Lien.** Lessor hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Tower Facilities or any portion thereof, regardless of whether or not same is deemed real or personal property under applicable laws.

32. **Waiver of Incidental and Consequential Damages.** Lessor will not assert any claim whatsoever against Lessee for loss of anticipatory profits or any other indirect, special, incidental or consequential damages incurred by Lessor as a result of the construction, maintenance, operation or use of the Leased Premises or the Easements by Lessee.

33. **Lessee's Exclusivity.** Intentionally Deleted.

34. **No Bifurcation of Lessor's Estate/Assignment of Lease.** Without Lessee's prior written consent, Lessor shall not, directly or indirectly, assign its right in this Lease or the rent or any rights hereunder, or sell any easement or interest in any portion of the Site (including the Leased Premises), except in connection with conveyance of fee simple title to the Site.

35. **ROFR.** If at any time during the term of the Lease, Lessor receives a bona fide written offer from a third person (the "Offer") to sell, assign, convey, lease or otherwise transfer or create any interest in the current or future Rent, the Leased Premises or the Site, or any portion thereof, which Lessor desires to accept, Lessor shall first give Lessee written notice (including a copy of the proposed contract) of such Offer prior to becoming obligated under such Offer, with such notice giving Lessee the right to purchase the Leased Premises (or, at Lessee's option, a permanent easement in the location of the Leased Premises, which will continue to include the appurtenant Easements for access and utilities granted in this Agreement) for a pro-rata price based on the size that the Leased Premises is to the portion of the Site described in the Offer. Lessee shall have a period of thirty (30) days after receipt of Lessor's notice to exercise this right of first refusal by notifying Lessor in writing. If Lessee has not accepted the Offer or exercised its right to purchase the Leased Premises in writing to Lessor within such thirty (30) day period, the Offer will be deemed rejected. Lessor shall have the right to sell the Site to a family member or a limited liability company comprised of family members.

36. **Certifications.** Either party may request, in writing, that the other party certify information to a prospective mortgagee or purchaser. Such certification shall be transmitted within ten (10) days after receipt of written request and may be relied upon by the party who requested it, and the contents of the certificate shall be binding upon the party executing it. The certificate may include (i) the validity, force and effect of this Lease; (ii) the extent to which this Lease has been supplemented or amended; (iii) the existence of any default; (iv) the existence of any offsets, counter-claims or defenses on the part of the other party; (v) the commencement and expiration dates of the term, (vi) the amount of any prepaid rent; and (vii) any other matter as may reasonably be requested.

37. **Miscellaneous.**

(a) In the event of any litigation between Lessor and Lessee, legal fees shall be paid by each individual entity.

(b) Each party agrees to furnish to the other, within ten (10) days after request, such truthful estoppel information as the other may reasonably request.

(c) This Lease constitutes the entire agreement and understanding of Lessor and Lessee with respect to the subject matter of this option and ground lease, and supersedes all offers, negotiations and other agreements. There are no representations or understandings of any kind not set forth herein. Any amendments to said Lease must be in writing and executed by Lessor and Lessee.

(d) If either Lessor or Lessee is represented by a broker in this transaction, that party shall be fully responsible for any fees due such broker and shall hold the other party harmless from any claims for commission by such broker.

(e) This Lease shall be construed in accordance with the laws of the state in which the Leased Premises is situated.

(f) If any term of this Lease is found to be void or invalid, such invalidity shall not affect the remaining terms of this Lease, which shall continue in full force and effect.

(g) Lessor shall cooperate with Lessee in executing any documents necessary to protect Lessee's rights under this Lease or Lessee's use of the Leased Premises and the Easements, and to take such action as Lessee may reasonably require to effect the intent of this Lease.

(h) This Lease may be executed in two or more counterparts, all of which shall be considered one and the same agreement and shall become effective when one or more counterparts have been signed by each of the parties, it being understood that all parties need not sign the same counterpart.

(i) Lessor agrees that the terms of this Lease shall be strictly confidential and that Lessor shall not disclose any of the terms hereof to any third party, except with Lessee's prior written consent. Notwithstanding the foregoing, Lessor is permitted to disclose the terms of this Lease to its attorneys, financial consultants, accountants and lenders.

(j) Whenever under this Lease the consent or approval of Lessor is required or a determination must be made by Lessor, no such consent or approval shall be unreasonably withheld, conditioned, or delayed, and all such determinations shall be made on a reasonable basis and in a reasonable manner.

(k) Lessor intends to form a limited liability company ("LLC") and to convey the Site to such LLC after the Commencement Date. Upon Lessor's conveyance of the Site to the LLC, Lessee will assist Lessor in assigning this Lease to the LLC.

(l) At no time during construction or at any time after construction, will the Lessee install or temporarily use guyed wires.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

LESSOR:

Neal S. Cole 9-4-2024
Neal S. Cole

Clara J. Cole 9-4-2024
Clara J. Cole

Joel T. Cole 9-9-24
Joel T. Cole

Sharon R. Cole 9-9-24
Sharon R. Cole

Date: September 14, 2024

LESSEE:

TowerCom VI-B, LLC,
a Delaware limited liability company

Signed by:
By: Paul Bulloch, Jr.
DB736FCCC4D24E1
Paul M. Bulloch, Jr.
Vice President

Date: 9/17/2024, 2024

EXHIBIT A

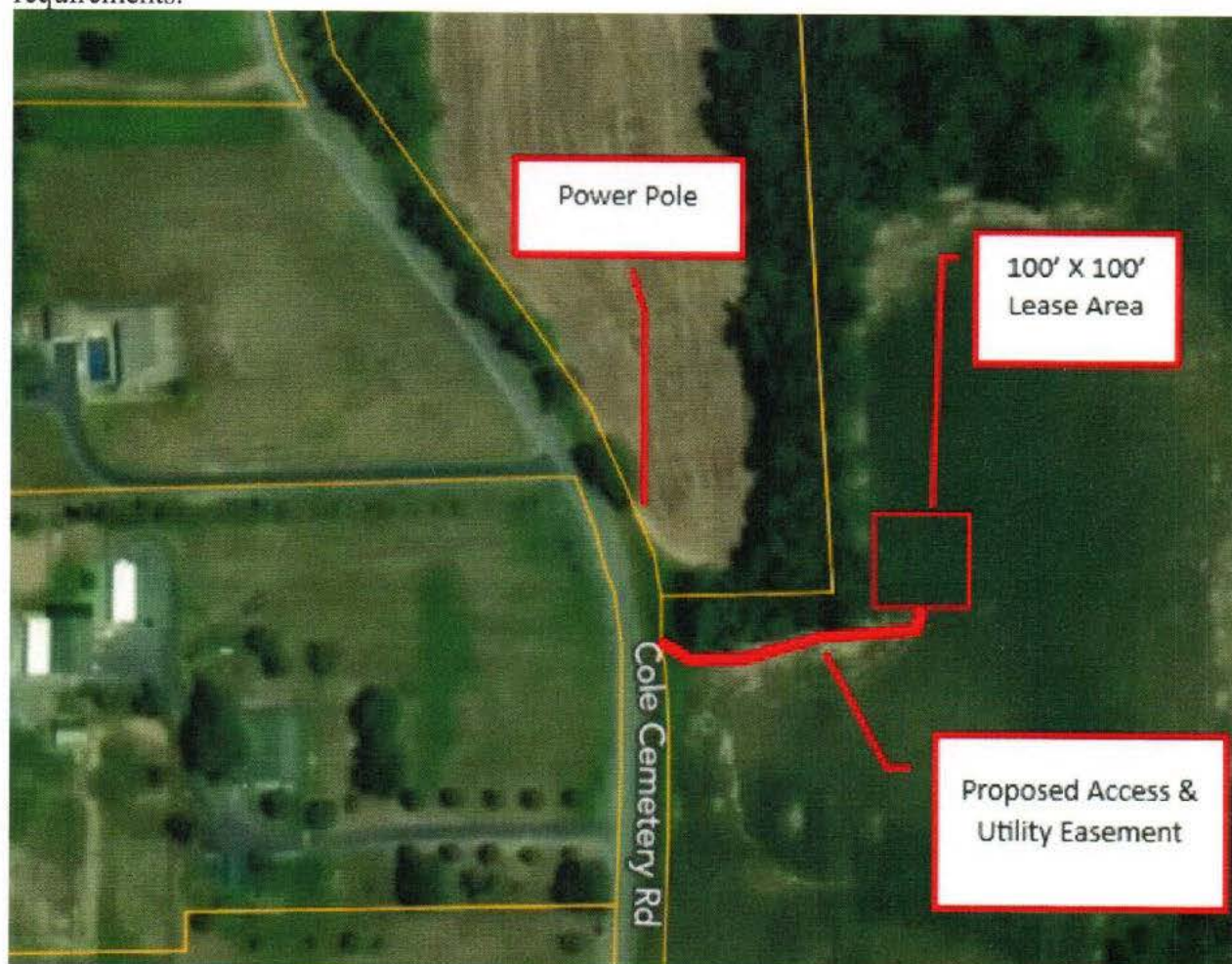
Description of Leased Premises

A **10,000 sq ft** parcel of land for the tower compound being located around the base of the tower, all being a portion of the Site, as shown in the site plan below. The legal description of the Leased Premises and Easements shall be determined by survey and shall thereafter replace this Exhibit A.

Tax Parcel I.D. # of parent tract: 28-00-00-059.02

Physical Address of parent tract: Cole Cemetery Road
Benton, Marshall County in Kentucky

Optionor acknowledges and agrees that if the governmental authority requires a landscaped buffer be leased or maintained around the Leased Premises, then (1) the survey will show such additional area and (2) the Lease will be deemed to include such buffer area either within the Premises or as an appurtenant easement to the Premises, based on the applicable governmental requirements.



Prepared by and Return to:

Brian P. Cain, Esq.
Holt Ney Zatzoff & Wasserman, LLP
100 Galleria Parkway, Suite 1800
Atlanta, Georgia 30339

Cross-Reference:

Book 194, Page 451
Clerk of Court
Marshall County, Kentucky

Site Name: Equine Hospital

**MEMORANDUM OF ASSIGNMENT OF OPTION AND
GROUND LEASE AGREEMENT**

This Memorandum of Assignment of Option and Ground Lease Agreement (this “**Memorandum**”), is made effective as of the 11th day of March, 2025, by and among **TowerCom VI-B, LLC**, a Delaware limited liability company (“**Assignor**”), **TowerCom B Temp WIP, LLC**, a Florida limited liability company (“**Intermediate Assignee**”), and **TowerCom VI-C, LLC**, a Delaware limited liability company, with its principal office located at 241 Atlantic Boulevard, Suite 201, Neptune Beach, Florida 32266 (“**Assignee**”).

RECITALS:

WHEREAS, Neal S. Cole and Clara J. Cole, a married couple, and Joel T. Cole and Sharon R. Cole, a married couple (collectively, the “**Property Owner**”), and Assignor are parties to an Option and Ground Lease Agreement, dated September 17, 2024 (as may have been amended, the “**Ground Lease**”), as memorialized by that certain Memorandum of Lease, recorded December 11, 2024, in Book 194, Page 451, in the Clerk of Court records for Marshall County, Kentucky for the lease of that certain property being more particularly described therein;

WHEREAS, pursuant to that certain Bill of Sale and Assignment and Assumption of Leases, Easements and Option to Purchase, dated March 7, 2025 (the “**Intermediate Assignment**”), Assignor has assigned to Intermediate Assignee, all of Assignor’s interest as “**Lessee**” in and to the Ground Lease;

WHEREAS, pursuant to that certain Bill of Sale and Assignment and Assumption of Leases, Easements and Option to Purchase, dated March 7, 2025 (the “**Assignment**”), Intermediate

Assignee has assigned to Assignee all of Intermediate Assignee's interest as "Lessee" in and to the Ground Lease; and

WHEREAS, the parties hereto desire to file this Memorandum of record in the public records in order to provide record notice to third parties of Assignee's interests in the Premises, as hereinafter defined, together with Assignee's right of first refusal as Lessee under the Ground Lease;

NOW, THEREFORE, for and in consideration of the premises, and for other good and valuable consideration, the receipt, adequacy and sufficiency of which are expressly acknowledged by the parties, Assignee, Intermediate Assignee and Assignor agree and acknowledge for themselves and their respective successors and assigns, as follows:

1. Pursuant to the transfers under the Intermediate Assignment and the Assignment, Assignee now owns all rights, title and interest in and to the leased premises and easements described on **Exhibit A** attached hereto (collectively, the "Premises"), and Assignee has assumed Assignor's rights, title and interest in and to the Premises.

2. The Intermediate Assignment and the Assignment are binding upon the parties hereto, and their respective successors and assigns.


3. This Memorandum does not, in any way, amend or supersede the terms and conditions of the Intermediate Assignment, Assignment or Ground Lease.

[SIGNATURES TO FOLLOW]

IN WITNESS WHEREOF, Assignor and Assignee have executed this Memorandum the day and year first above written.

ASSIGNOR:

TOWERCOM VI-B, LLC, a Delaware limited liability company

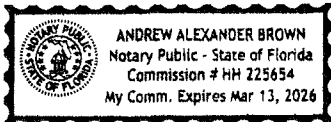
By: 
David Olson
Executive Vice President

STATE OF FLORIDA)


COUNTY OF Duval)

Before me, the undersigned Notary Public, personally appeared David Olson, with whom I am personally acquainted, who acknowledged himself to be the Executive Vice President of TowerCom VI-B, LLC, and affirmed that, being duly authorized, he executed the foregoing instrument on behalf of TowerCom VI-B, LLC for the purposes therein contained.

Witness my hand and seal, this 11th day of March, 2025.

PHYSICALLY PRESENT
[Notary Seal]  Andrew Alexander Brown
Notary Public
Print Name: ANDREW ALEXANDER BROWN
EXP: MARCH 13, 2026
HH 225654


The foregoing instrument was prepared in the law offices of Holt, Ney Zatcoff & Wasserman, LLP, 100 Galleria Parkway, Suite 1800, Atlanta, Georgia, 30339.


Brian P. Cain, Esq.

[SIGNATURES CONTINUE ON FOLLOWING PAGES]

INTERMEDIATE ASSIGNEE:


TOWERCOM B TEMP WIP, LLC,
a Florida limited liability company

By: 
David Olson
Executive Vice President

STATE OF FLORIDA)
COUNTY OF Duval)

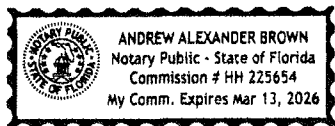
Before me, the undersigned Notary Public, personally appeared David Olson, with whom I am personally acquainted, who acknowledged himself to be the Executive Vice President of TowerCom B Temp WIP, LLC, and affirmed that, being duly authorized, he executed the foregoing instrument on behalf of TowerCom B Temp WIP, LLC for the purposes therein contained.

Witness my hand and seal, this 11TH day of March, 2025.


Notary Public
Print Name: ANDREW ALEXANDER BROWN
EXP! - MARCH 13, 2026
HH 225654

[Notary Seal]


✓ PHYSICALLY PRESENCE



[SIGNATURES CONTINUE ON FOLLOWING PAGES]

ASSIGNEE:

TOWERCOM VI-C, LLC,
a Delaware limited liability company

By: 
David Olson
Executive Vice President

STATE OF FLORIDA)

COUNTY OF Duval)

Before me, the undersigned Notary Public, personally appeared David Olson, with whom I am personally acquainted, who acknowledged himself to be the Executive Vice President of TowerCom VI-C, LLC, and affirmed that, being duly authorized, he executed the foregoing instrument on behalf of TowerCom VI-C, LLC for the purposes therein contained.

Witness my hand and seal, this 11th day of March, 2025.

[Notary Seal]

Andrew Alexander Brown
Notary Public
Print Name: ANDREW ALEXANDER BROWN
EXP: - MARCH 13, 2026
HH 225654

✓ PHYSICALLY PRESENCE

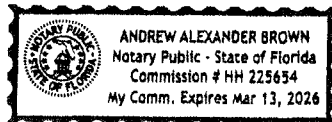


EXHIBIT "A"

LEGAL DESCRIPTION OF THE PREMISES

LEASED PREMISES

BEING A PART OF A 28.82 ACRE PARCEL OF LAND OWNED NOW OR FORMERLY BY NEAL S. COLE, CLARA J. COLE, JOEL T. COLE, AND SHARON R. COLE BY DEED RECORDED JUNE 24, 2020, IN BOOK 477, PAGE 501 OF THE MARSHALL COUNTY, KENTUCKY CLERK OF COUNTY COURT RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN WITH CAP WITH THE SURVEYOR'S MARKINGS #3347, SAID PIN BEING ON THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD (40' RIGHT OF WAY) SAID PIN BEING A SOUTHEAST CORNER OF A PROPERTY BEING PREVIOUSLY OWNED BY PLEASANT GROVE METHODIST CHURCH (WILL BOOK 55, PAGE 643; SAID PIN LIES ON A BEARING OF SOUTH 82 DEGREES 54 MINUTES 23 SECONDS WEST A DISTANCE OF 3648.40 FEET FROM THE CENTERLINE INTERSECTION OF HIGHWAY 58 AND JOHNSTON SUBDIVISION LANE; SAID PIN BEING THE NORTHWEST CORNER OF THE 28.82 ACRE PARCEL; THENCE SOUTH 00 DEGREES 55 MINUTES 57 SECONDS EAST 15.28 FEET TO A POINT; THENCE NORTH 78 DEGREES 48 MINUTES 03 SECONDS EAST 137.97 FEET TO THE TRUE PLACE OF BEGINNING OF THE LEASED PREMISES; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET; THENCE NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 100.00 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 10,000 SQUARE FEET, (0.23 ACRES), MORE OR LESS.

NON-EXCLUSIVE 30' ACCESS & UTILITY EASEMENT

BEING A PART OF A 28.82 ACRE PARCEL OF LAND OWNED NOW OR FORMERLY BY NEAL S. COLE, CLARA J. COLE, JOEL T. COLE, AND SHARON R. COLE BY DEED RECORDED JUNE 24, 2020, IN BOOK 477, PAGE 501 OF THE MARSHALL COUNTY, KENTUCKY CLERK OF COUNTY COURT RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN IRON PIN WITH CAP WITH THE SURVEYOR'S MARKINGS #3347, SAID PIN BEING ON THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD (40' RIGHT OF WAY) SAID PIN BEING A SOUTHEAST CORNER OF A PROPERTY BEING PREVIOUSLY OWNED BY PLEASANT GROVE METHODIST CHURCH (WILL BOOK 55, PAGE 643; SAID PIN LIES ON A BEARING OF SOUTH 82 DEGREES 54 MINUTES 23 SECONDS WEST A DISTANCE OF 3648.40 FEET FROM THE CENTERLINE INTERSECTION OF HIGHWAY 58 AND JOHNSTON SUBDIVISION LANE; SAID PIN BEING THE NORTHWEST CORNER OF THE 28.82 ACRE PARCEL; THENCE SOUTH 00 DEGREES 55 MINUTES 57 SECONDS EAST 15.28 FEET ALONG THE SAID EAST RIGHT OF WAY LINE TO THE TRUE PLACE OF BEGINNING OF THE ACCESS AND UTILITY EASEMENT; THENCE NORTH 78 DEGREES 48 MINUTES 03 SECONDS EAST 137.97 FEET TO THE SOUTHWEST CORNER OF THE LEASED PREMISES; THENCE ALONG THE SOUTH LINE OF SAID LEASED PREMISES BEARING NORTH 90 DEGREES 00 MINUTES 00 SECONDS EAST 100.00 FEET; THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST 30.00 FEET; THENCE SOUTH 90 DEGREES 00 MINUTES 00 SECONDS WEST 97.06 FEET; THENCE SOUTH 78 DEGREES 48 MINUTES 03 SECONDS WEST 140.46 FEET TO THE EAST RIGHT OF WAY LINE OF COLE CEMETERY ROAD; THENCE ALONG SAID RIGHT OF WAY LINE BEARING NORTH 00 DEGREES 55 MINUTES 57 SECONDS WEST 30.49 FEET TO THE TRUE PLACE OF BEGINNING AND CONTAINING 7132 SQUARE FEET, (0.16 ACRES), MORE OR LESS.

Pd.\$ \$52

Book:195

Name:MISC

CRISSY GREER

Marshall County

3/14/2025, 3:51:16 PM

Kristi Edwards, DC

Rec. fee \$ _____ Tax

Pages:441-447(7)

Vendor:SIMPLIFILE



1116555

EXHIBIT J

**NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE**

Equine Hospital – Notice List

28-00-00-059.02 & 28-00-00-073.02

COLE NEAL S AND CLARA J ET AL
16 BONDURANT LN
BENTON, KY 42025

28-00-00-056

WITT DANA M
8566 WITT LN
BETHALTO, IL 62010

28-00-00-059.01

YOUNG MONTE G AND KIMBERLY K ABERNATHY
4224 MAYFIELD HWY
BENTON, KY 42025

28-00-00-062

TYNES GAGE T AND KELSEY T
4058 MAYFIELD HWY
BENTON, KY 42025

28-00-00-063

HICKS CALLIE R AND JEROMY F
4110 MAYFIELD HWY
BENTON, KY 42025

28-00-00-069

ODANIEL MARY SUE ET AL
497 COLE CEMETERY RD
BENTON, KY 42025

28-00-00-074 & 28-00-00-073.03

COLE CEMETERY ASSOCIATION INC
C/O NEAL S. COLE
16 BONDURANT LANE
BENTON, KY, 42025

28-00-00-073

FULFORD DONALD AND KATHLEEN
338 COLE CEMETERY RD
BENTON, KY 42025

28-00-00-073.01

AUSTIN DARIN S
300 COLE CEMETERY RD
BENTON, KY 42025

28-00-00-072

CHAMBERS JIM
10308 WHITEHORN DR
CHARLOTTE, NC 28277

28-00-00-014

MARTIN SCOTT
763 HOUSER RD
BENTON, KY 42025



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
477	501	06/24/2020	\$195,000	NOT STATED
511	626	11/01/2023	\$0	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	E
2024	3453	1	\$19,301	\$190.78	
2022	3474	1	\$19,301	\$205.66	
2021	3567	1	\$19,301	\$207.78	

TAX YEAR 2026
MAP NUMBER 28-00-00-059.02
ACCOUNT NUMBER 1051270

OWNERSHIP

50 JOINTLY WITH SURVIVORSHIP COLE, JOEL T
50 JOINTLY WITH SURVIVORSHIP COLE, SHARON R
COLE, NEAL S
COLE, CLARA J

LAND VALUE \$195,000
IMPROVEMENT FCV \$0
TOTAL FCV \$195,000
EXEMPTION AMOUNT \$0
AG EXEMPTION \$175,699
TOTAL TAXABLE \$19,301

EXEMPTION CODE
AG VALUE

MAIL NAME COLE NEAL S AND CLARA J ET AL
MAILING ADDRESS 16 BONDURANT LN
BENTON, KY 42025

DEED BOOK / PAGE 477/501
SALE PRICE \$195,000
TAX DISTRICT 014
DATE RECORDED
SALE DATE
ACREAGE
SUBDIVISION
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TO
28-00-00-059.02	FARM	\$195,000	\$0	\$195,000	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-073.02
ACCOUNT NUMBER 915780

OWNERSHIP

50 JOINTLY WITH SURVIVORSHIP COLE, JOEL T
50 JOINTLY WITH SURVIVORSHIP COLE, SHARON R
COLE, NEAL S
COLE, CLARA J

LAND VALUE \$25,000
IMPROVEMENT FCV \$80,000
TOTAL FCV \$105,000

EXEMPTION AMOUNT \$0
AG EXEMPTION \$21,425
TOTAL TAXABLE \$83,575

EXEMPTION CODE
AG VALUATION

MAIL NAME COLE NEAL S AND CLARA J ET AL
MAILING ADDRESS 16 BONDURANT LN
BENTON, KY 42025

DEED BOOK / PAGE 421/639
SALE PRICE \$106,500
TAX DISTRICT 014

DATE RECORDED
SALE DATE
ACREAGE

SUBDIVISION NONE
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-073.02	FARM	\$25,000	\$80,000	\$105,000	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
421	639	07/23/2013	\$106,500	NOT STATED
312	323	07/05/2001	UNKNOWN	UNKNOWN
327	145	07/05/2001	\$23,000	NOT STATED
396	510	03/08/2010	\$110,000	NOT STATED
419	263	03/25/2013	\$110,000	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	3454	1	\$83,575	\$826.15
2022	3475	1	\$83,575	\$890.49
2021	3568	1	\$105,000	\$1,130.33
2020	3537	1	\$100,000	\$1,084.70

IMPROVEMENT 1 OF 1

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$80,000

PHYSICAL ADDRESS(ES)

396 COLE CEMETERY RD BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1999
QUALITY AVERAGE
DRIVEWAY(S)
NUMBER OF UNITS 1
FLOOD HAZARD UNKNOWN
ASPHALT

FOUNDATION 100%

SLAB

STYLE TWO STORY
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) NONE

ROOF COVER 100%

COMPOSITION SHINGLE

FIRST FLOOR AREA 1,020
HALF STORY AREA 0
SECOND FLOOR AREA 0
THIRD FLOOR AREA 0
BASEMENT AREA 0
BEDROOMS UNKNOWN
FULL BATHROOMS UNKNOWN
HALF BATHROOMS UNKNOWN
TOTAL ROOMS UNKNOWN
PERCENT FINISHED N/A

EXTERIOR WALLS 100%

SIDING, VINYL

PORCHES, BREEZEWAYS, DECKS
AREA

TYPE
NONE

HEATING / COOLING
HVAC



DATE TAKEN: 08/19/2019





NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
477	498	06/24/2020	\$205,000	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	E
2024	22593	1	\$20,722	\$204.84	
2022	22580	1	\$20,722	\$220.78	
2021	23467	1	\$20,722	\$223.05	

TAX YEAR 2026
MAP NUMBER 28-00-00-059.01
ACCOUNT NUMBER 1051260

OWNERSHIP

100 JOINTLY WITH SURVIVORSHIP YOUNG, MONTE G
YOUNG, KIMBERLY K ABERNATHY

LAND VALUE \$205,000
IMPROVEMENT FCV \$0
TOTAL FCV \$205,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE
AG EXEMPTION \$184,278 AG VALUE
TOTAL TAXABLE \$20,722

MAIL NAME YOUNG MONTE G AND KIMBERLY K ABERNATHY
MAILING ADDRESS 4224 MAYFIELD HWY
BENTON, KY 42025

DEED BOOK / PAGE 477/498 DATE RECORDED
SALE PRICE \$205,000 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TO
28-00-00-059.01	FARM	\$205,000	\$0	\$205,000	

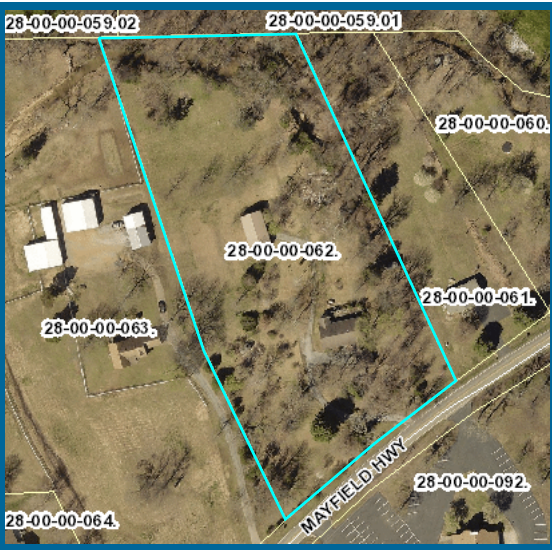
TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-062.
ACCOUNT NUMBER 1114400

OWNERSHIP

100 JOINTLY WITH SURVIVORSHIP TYNES, GAGE T
TYNES, KELSEY T

LAND VALUE \$30,000
IMPROVEMENT FCV \$237,900
TOTAL FCV \$267,900

EXEMPTION AMOUNT \$0
AG EXEMPTION \$0
TOTAL TAXABLE \$267,900

EXEMPTION CODE
AG VALU

MAIL NAME TYNES GAGE T AND KELSEY T
MAILING ADDRESS 4058 MAYFIELD HWY
BENTON, KY 42025

DEED BOOK / PAGE 510/119
SALE PRICE \$267,900
TAX DISTRICT 014

DATE RECORDED
SALE DATE
ACREAGE

SUBDIVISION
PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-062.	RESIDENTIAL	\$30,000	\$237,900	\$267,900	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
510	119	10/12/2023	\$267,900	NOT STATED
261	687	03/12/1993	\$92,450	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	20566	1	\$267,900	\$2,648.19
2022	9312	1	\$91,500	\$974.95
2021	9640	1	\$91,500	\$985.02
2020	9598	1	\$84,700	\$918.75

IMPROVEMENT 1 OF 2

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$217,900

PHYSICAL ADDRESS(ES)

4058 MAYFIELD HWY BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1976
QUALITY AVERAGE
DRIVEWAY(S)
NUMBER OF UNITS 1
FLOOD HAZARD UNKNOWN
GRAVEL

FOUNDATION 100% CONCRETE BLOCK

STYLE ONE STORY
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) SINGLE 1 STORY FIREPLACE

ROOF COVER 100% COMPOSITION SHINGLE

FIRST FLOOR AREA 1,984
HALF STORY AREA 0
SECOND FLOOR AREA 0
THIRD FLOOR AREA 0
BASEMENT AREA 0
BEDROOMS 3
FULL BATHROOMS 2
HALF BATHROOMS 1
TOTAL ROOMS UNKNOWN
PERCENT FINISHED N/A

EXTERIOR WALLS 100% SIDING, VINYL

ATTACHED GARAGE(S)
AREA 484
TYPE ATTACHED GARAGE

PORCHES, BREEZEWAYS, DECKS
AREA
TYPE OPEN SLAB PORCH

HEATING / COOLING
HVAC



DATE TAKEN: 08/19/2019



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-063.
ACCOUNT NUMBER 1107690

OWNERSHIP

100 JOINTLY WITH SURVIVORSHIP HICKS, CALLIE R
HICKS, JEROMY F

LAND VALUE \$145,000
IMPROVEMENT FCV \$180,000
TOTAL FCV \$325,000

EXEMPTION AMOUNT \$0
AG EXEMPTION \$132,159
TOTAL TAXABLE \$192,841

EXEMPTION CODE
AG VALU

MAIL NAME HICKS CALLIE R AND JEROMY F
MAILING ADDRESS 4110 MAYFIELD HWY
BENTON, KY 42025

DEED BOOK / PAGE 508/78
SALE PRICE \$325,000
TAX DISTRICT 014

DATE RECORDED
SALE DATE
ACREAGE

SUBDIVISION
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-063.	FARM	\$145,000	\$180,000	\$325,000	\$192,841

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
508	78	07/20/2023	\$325,000	NOT STATED
241	625	02/05/1990	\$0	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	9191	1	\$192,841	\$1,906.23
2022	5579	1	\$66,341	\$706.86
2021	5721	1	\$66,341	\$714.17
2020	5688	1	\$67,541	\$732.62

IMPROVEMENT 1 OF 4

> >>

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$150,000

PHYSICAL ADDRESS(ES)

4110 MAYFIELD HWY BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1998
QUALITY AVERAGE
DRIVEWAY(S) NUMBER OF UNITS 1
FLOOD HAZARD UNKNOWN
GRAVEL

FOUNDATION 100% CONCRETE BLOCK

STYLE 1½ STORY, FINISHED
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) NONE

ROOF COVER 100% COMPOSITION SHINGLE

FIRST FLOOR AREA 1,301
HALF STORY AREA 336
SECOND FLOOR AREA 0
THIRD FLOOR AREA 0
BASEMENT AREA 0
BEDROOMS 3
FULL BATHROOMS 2
HALF BATHROOMS 0
TOTAL ROOMS UNKNOWN
PERCENT FINISHED N/A

EXTERIOR WALLS 100% SIDING, VINYL

ATTACHED GARAGE(S)

AREA 456
TYPE ATTACHED GARAGE

PORCHES, BREEZEWAYS, DECKS
AREA

TYPE
UNKNOWN



DATE TAKEN: 08/19/2019

HEATING / COOLING
HVAC



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-069.
ACCOUNT NUMBER 766100

OWNERSHIP

33 JOINTLY IN COMMON BENROCK, SHARON FAYE
33 JOINTLY IN COMMON ESTATE OF
33 JOINTLY IN COMMON ODANIEL, MARY SUE
33 JOINTLY IN COMMON COPE. GARY DALE ESTATE OF

LAND VALUE \$15,000
IMPROVEMENT FCV \$51,500
TOTAL FCV \$66,500

EXEMPTION AMOUNT \$0 EXEMPTION CODE
AG EXEMPTION \$0 AG VALU
TOTAL TAXABLE \$66,500

MAIL NAME ODANIEL MARY SUE ET AL
MAILING ADDRESS 497 COLE CEMETERY RD
BENTON, KY 42025

DEED BOOK / PAGE 356/525 DATE RECORDED
SALE PRICE \$0 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION NONE
PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-069.	RESIDENTIAL	\$15,000	\$51,500	\$66,500	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
356	525	03/21/2005	\$0	\$300
114	179	05/23/1964	UNKNOWN	UNKNOWN
356	521	03/21/2005	\$32,200	UNKNOWN

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	14902	1	\$66,500	\$657.37
2022	14923	1	\$39,000	\$415.55
2021	15436	1	\$39,000	\$419.84
2020	15381	1	\$39,000	\$423.04

IMPROVEMENT 1 OF 3

> >>

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$50,000

PHYSICAL ADDRESS(ES)

497 COLE CEMETERY RD BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1966 NUMBER OF UNITS 1
QUALITY UNKNOWN FLOOD HAZARD UNKNOWN
DRIVEWAY(S) GRAVEL

FOUNDATION 100% CONCRETE BLOCK

STYLE ONE STORY
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) NONE

ROOF COVER 100% COMPOSITION SHINGLE

FIRST FLOOR AREA 1,088 BEDROOMS 2
HALF STORY AREA 0 FULL BATHROOMS 1
SECOND FLOOR AREA 0 HALF BATHROOMS 0
THIRD FLOOR AREA 0 TOTAL ROOMS UNKNOWN
BASEMENT AREA 0 PERCENT FINISHED N/A

EXTERIOR WALLS 100% UNKNOWN

PORCHES, BREEZEWAYS, DECKS
AREA

TYPE
UNKNOWN

ATTACHED GARAGE(S)

AREA

TYPE
NONE

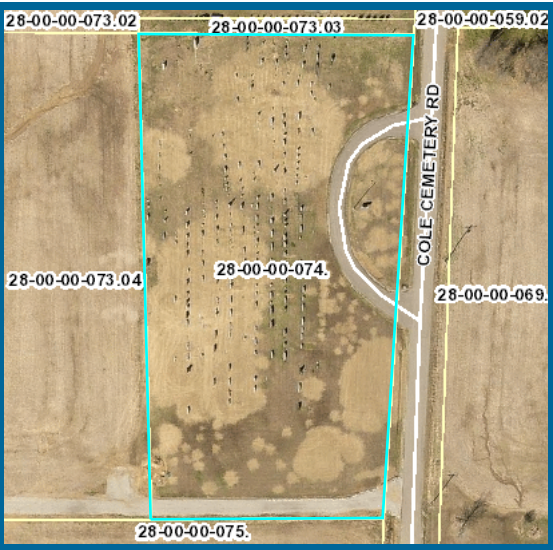
HEATING / COOLING
UNKNOWN



DATE TAKEN: 08/19/2019



NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-074.
ACCOUNT NUMBER 477520

OWNERSHIP
100 UNKNOWN COLE CEMETERY

LAND VALUE \$6,000
IMPROVEMENT FCV \$0
TOTAL FCV \$6,000

EXEMPTION AMOUNT \$0 EXEMPTION CODE
AG EXEMPTION \$0 AG VALUE
TOTAL TAXABLE \$0

MAIL NAME COLE CEMETERY
MAILING ADDRESS UNKNOWN
UNKNOWN

DEED BOOK / PAGE UNKNOWN DATE RECORDED
SALE PRICE \$0 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION
PROPERTY CODE NON-TAXABLE PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-074.	NON-TAXABLE	\$6,000	\$0	\$6,000	

TOTAL TAXABLE ON ACCOUNT

ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

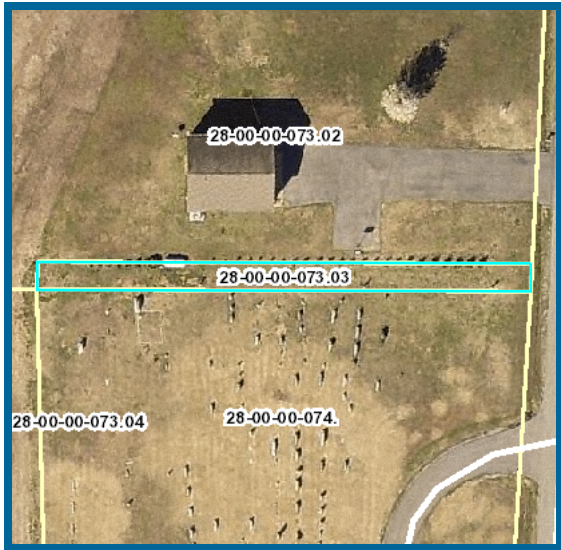
DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
UNKNOWN				

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	ESTIMATED TAX DUE
2024	3425	1	\$0	\$0.00	
2022	3449	1	\$0	\$0.00	
2021	3548	1	\$0	\$0.00	
2020	3517	1	\$0	\$0.00	



NEW SEARCH SEARCH RESULTS MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
432	401	12/22/2014	\$0	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	E
2024	3426	2	\$0	\$0.00	
2022	3450	2	\$0	\$0.00	
2021	3549	2	\$0	\$0.00	
2020	3518	2	\$0	\$0.00	

TAX YEAR 2026
MAP NUMBER 28-00-00-073.03
ACCOUNT NUMBER 942570

LAND VALUE \$2,000
IMPROVEMENT FCV \$0
TOTAL FCV \$2,000

OWNERSHIP

100 FEE SIMPLE COLE CEMETERY ASSOCIATION
INC

EXEMPTION AMOUNT \$0 EXEMPTION CODE
AG EXEMPTION \$0 AG VALUE
TOTAL TAXABLE \$0

MAIL NAME COLE CEMETERY ASSOCIATION
INC
MAILING ADDRESS 16 BONDURANT LN
BENTON, KY 42025

DEED BOOK / PAGE 432/401 DATE RECORDED
SALE PRICE \$0 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION
PROPERTY CODE NON-TAXABLE PROPERTY

PROPERTIES ON THIS ACCOUNT: 2

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TO
28-00-00-073.03	NON-TAXABLE	\$2,000	\$0	\$2,000	
28-00-00-073.04	NON-TAXABLE	\$13,000	\$0	\$13,000	

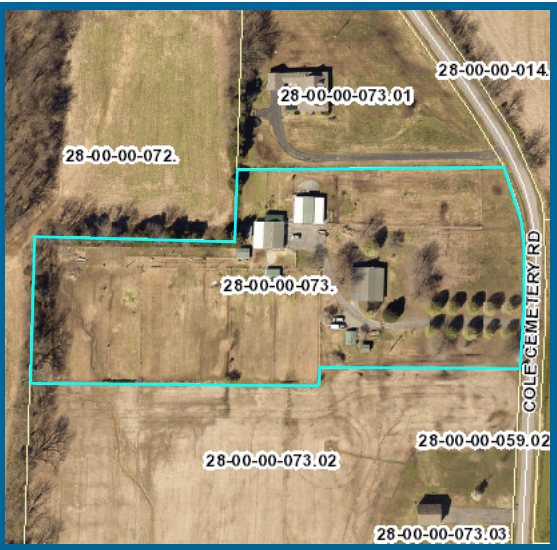
TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-073.
ACCOUNT NUMBER 862690

OWNERSHIP

100 JOINTLY WITH SURVIVORSHIP FULFORD, DONALD R
FULFORD, KATHLEEN F

LAND VALUE \$25,000
IMPROVEMENT FCV \$166,500
TOTAL FCV \$191,500

EXEMPTION AMOUNT \$49,100 EXEMPTION CODE
AG EXEMPTION \$0 AG VALU
TOTAL TAXABLE \$142,400

MAIL NAME FULFORD DONALD AND KATHLEEN
MAILING ADDRESS 338 COLE CEMETERY RD
BENTON, KY 42025

DEED BOOK / PAGE 398/451 DATE RECORDED
SALE PRICE \$180,000 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION NONE
PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-073.	RESIDENTIAL	\$25,000	\$166,500	\$191,500	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
398	451	05/28/2010	\$180,000	NOT STATED
304	665	04/13/1998	UNKNOWN	UNKNOWN

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	7115	1	\$145,150	\$1,434.80
2022	7131	1	\$191,500	\$2,040.45
2021	7338	1	\$191,500	\$2,061.52
2020	7311	1	\$191,500	\$2,077.21

IMPROVEMENT 1 OF 4

> >>

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$137,000

PHYSICAL ADDRESS(ES)

338 COLE CEMETERY RD BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1989 NUMBER OF UNITS 1
QUALITY AVERAGE FLOOD HAZARD UNKNOWN
DRIVEWAY(S) ASPHALT

FOUNDATION 100% CONCRETE BLOCK

STYLE ONE STORY
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) NONE

ROOF COVER 100% COMPOSITION SHINGLE

FIRST FLOOR AREA 1,552 BEDROOMS 3
HALF STORY AREA 0 FULL BATHROOMS 2
SECOND FLOOR AREA 0 HALF BATHROOMS 0
THIRD FLOOR AREA 0 TOTAL ROOMS UNKNOWN
BASEMENT AREA 0 PERCENT FINISHED N/A

EXTERIOR WALLS 100% UNKNOWN

PORCHES, BREEZEWAYS, DECKS
AREA

TYPE
UNKNOWN



0819190112

DATE TAKEN: 08/19/2019

HEATING / COOLING
HVAC

ATTACHED GARAGE(S)
AREA 360 TYPE CARPORT - GABLE ROOF



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-073.01
ACCOUNT NUMBER 703670

OWNERSHIP
100 FEE SIMPLE AUSTIN, DARIN SCOTT

LAND VALUE \$20,000
IMPROVEMENT FCV \$190,000
TOTAL FCV \$210,000
EXEMPTION AMOUNT \$0
AG EXEMPTION \$0
TOTAL TAXABLE \$210,000

EXEMPTION CODE
AG VALU

MAIL NAME AUSTIN DARIN S
MAILING ADDRESS 300 COLE CEMETERY RD
BENTON, KY 42025

DEED BOOK / PAGE 348/552 DATE RECORDED
SALE PRICE \$0 SALE DATE
TAX DISTRICT 014 ACREAGE

SUBDIVISION NONE
PROPERTY CODE RESIDENTIAL PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-073.01	RESIDENTIAL	\$20,000	\$190,000	\$210,000	\$210,000

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
348	552	03/04/2004	\$0	NOT STATED
316	673	05/01/2002	UNKNOWN	UNKNOWN
333	132	05/01/2002	\$12,000	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE
2024	621	1	\$210,000	\$2,075.85
2022	640	1	\$135,000	\$1,438.43
2021	652	1	\$135,000	\$1,453.28
2020	641	1	\$125,000	\$1,355.88

IMPROVEMENT 1 OF 1

IMPROVEMENT TYPE
FAIR CASH VALUE

SITE BUILT
\$190,000

PHYSICAL ADDRESS(ES)

300 COLE CEMETERY RD BENTON

UTILITIES

☐ NATURAL GAS ☒ ELECTRIC ☒ WATER
☐ SEWER ☐ NO UTILITIES ☐ UNKNOWN

YEAR BUILT 1995 NUMBER OF UNITS 1
QUALITY AVERAGE FLOOD HAZARD UNKNOWN
DRIVEWAY(S) ASPHALT

FOUNDATION 100% CONCRETE BLOCK

STYLE ONE STORY
TYPE SINGLE-FAMILY RESIDENCE
FIREPLACE(S) NONE

ROOF COVER 100% COMPOSITION SHINGLE

FIRST FLOOR AREA 1,872 BEDROOMS 2
HALF STORY AREA 0 FULL BATHROOMS 2
SECOND FLOOR AREA 0 HALF BATHROOMS 1
THIRD FLOOR AREA 0 TOTAL ROOMS UNKNOWN
BASEMENT AREA 0 PERCENT FINISHED N/A

EXTERIOR WALLS 95% SIDING, VINYL
5% BRICK VENEER

PORCHES, BREEZEWAYS, DECKS
AREA
TYPE
RAISED SLAB PORCH WITH ROOF

HEATING / COOLING
HVAC



0819190111

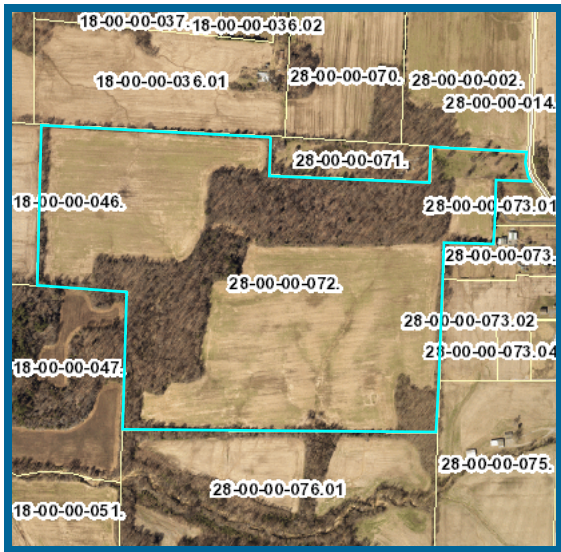
DATE TAKEN: 08/19/2019



NEW SEARCH SEARCH RESULTS



MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR 2026
MAP NUMBER 28-00-00-072.
ACCOUNT NUMBER 875100

OWNERSHIP

100 FEE SIMPLE CHAMBERS, JIM

LAND VALUE \$331,000
IMPROVEMENT FCV \$0
TOTAL FCV \$331,000

EXEMPTION AMOUNT \$0
AG EXEMPTION \$281,671
TOTAL TAXABLE \$49,329

EXEMPTION CODE
AG VALUE

MAIL NAME CHAMBERS JIM
MAILING ADDRESS 10308 WHITEHORN DR
CHARLOTTE, NC 28277

DEED BOOK / PAGE 404/619
SALE PRICE \$0
TAX DISTRICT 014

DATE RECORDED
SALE DATE
ACREAGE

SUBDIVISION
PROPERTY CODE FARM PROPERTY

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-072.	FARM	\$331,000	\$0	\$331,000	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
404	619	04/11/2011	\$0	\$331,000
195	19	10/16/1982	UNKNOWN	UNKNOWN
404	615	04/11/2011	\$0	UNKNOWN

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	ESTIMATED TAX DUE
2024	2932	1	\$49,329	\$487.62	
2022	2961	1	\$49,329	\$525.61	
2021	3042	1	\$49,329	\$531.03	
2020	3018	1	\$49,329	\$535.08	



NEW SEARCH SEARCH RESULTS  MAP SEARCH PROPERTY CARD



☒ STREET NAMES ☒ PARCEL NUMBERS



TAX YEAR **2026**
MAP NUMBER 28-00-00-014.
ACCOUNT NUMBER **1037400**

OWNERSHIP
100 FEE SIMPLE MARTIN, SCOTT

LAND VALUE **\$220,000**
IMPROVEMENT FCV **\$0**
TOTAL FCV **\$220,000**

EXEMPTION AMOUNT **\$0**
AG EXEMPTION **\$200,085**
TOTAL TAXABLE **\$19,915**

EXEMPTION CODE
AG VALUE

MAIL NAME **MARTIN SCOTT**
MAILING ADDRESS **763 HOUSER RD
BENTON, KY 42025**

DEED BOOK / PAGE **474/672** DATE RECORDED
SALE PRICE **\$0** SALE DATE
TAX DISTRICT **014** ACREAGE

SUBDIVISION **NONE**
PROPERTY CODE **FARM PROPERTY**

PROPERTIES ON THIS ACCOUNT: 1

MAP NUMBER	PROPERTY CODE	LAND VALUE	IMPROVEMENT VALUE	FAIR CASH VALUE	TOTAL TAXABLE
28-00-00-014.	FARM	\$220,000	\$0	\$220,000	

TOTAL TAXABLE ON ACCOUNT
ESTIMATED TAX DUE (BASED ON 2024 TAX RATES)

DEED HISTORY

DEED BOOK	DEED PAGE	SALE DATE	SALE PRICE	STATED FCV
474	672	02/20/2020	\$0	\$220,000
471	499	09/30/2019	\$220,000	NOT STATED
MB166	201	01/28/2019	\$0	NOT STATED
WB55	643	06/03/2013	\$0	NOT STATED

TAX BILL HISTORY

TAX YEAR	BILL NO	# PROPERTIES	TOTAL TAXABLE	FACE VALUE	ESTIMATED TAX DUE
2024	12864	1	\$19,915	\$196.86	
2022	12886	1	\$19,915	\$212.19	
2021	13342	1	\$19,915	\$214.39	
2020	13286	1	\$24,671	\$267.61	

9589 0710 5270 1676 7777 29

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Postage

MARTIN SCOTT
763 HOUSER RD
BENTON, KY 42025



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for instructions

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Postage

AUSTIN DARIN S
300 COLE CEMETERY RD
BENTON, KY 42025



PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for instructions

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Postage

CHAMBERS JIM
10308 WHITEHORN DR
CHARLOTTE, NC 28277



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COLE CEMETERY ASSOCIATION INC
C/O NEAL S. COLE
16 BONDURANT LANE
BENTON, KY, 42025



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Postage

FULFORD DONALD AND KATHLEEN
338 COLE CEMETERY RD
BENTON, KY 42025



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HICKS CALLIE R AND JEROMY F
4110 MAYFIELD HWY
BENTON, KY 42025

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
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ODANIEL MARY SUE ET AL
497 COLE CEMETERY RD
BENTON, KY 42025

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

YOUNG MONTE G AND KIMBERLY
K ABERNATHY
4224 MAYFIELD HWY
BENTON, KY 42025

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Adult Signature Restricted Delivery \$

Postage

TYNES GAGE T AND KELSEY T
4058 MAYFIELD HWY
BENTON, KY 42025

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

COLE NEAL S AND CLARA J ET AL
16 BONDURANT LN
BENTON, KY 42025

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 1676 7776 05

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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

WITT DANA M
8566 WITT LN
BETHALTO, IL 62010

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

EXHIBIT K

COPY OF PROPERTY OWNER NOTIFICATION



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Notice of Proposed Construction of Wireless Communications Facility

Dear Landowner:

TowerCom VI-C, LLC and Kentucky RSA No. 1 Partnership by Cellco Partnership d/b/a Verizon Wireless, its Managing Partner, are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 313 Cole Cemetery Road, Benton, KY 42025 (36° 49' 18.57" North latitude, 88° 24' 39.72" West longitude). The proposed facility will include a 290-foot tower with a 10-foot lightning arrestor attached at the top for a total height of 300-feet, plus related ground facilities. This facility is needed to provide improved service 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 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 2025-00190 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 toll free at (800) 516-4293 if you have any comments or questions about this proposal. The Applicants site name is Equine Hospital.

Sincerely,
David A. Pike
Attorney for Applicants

enclosures

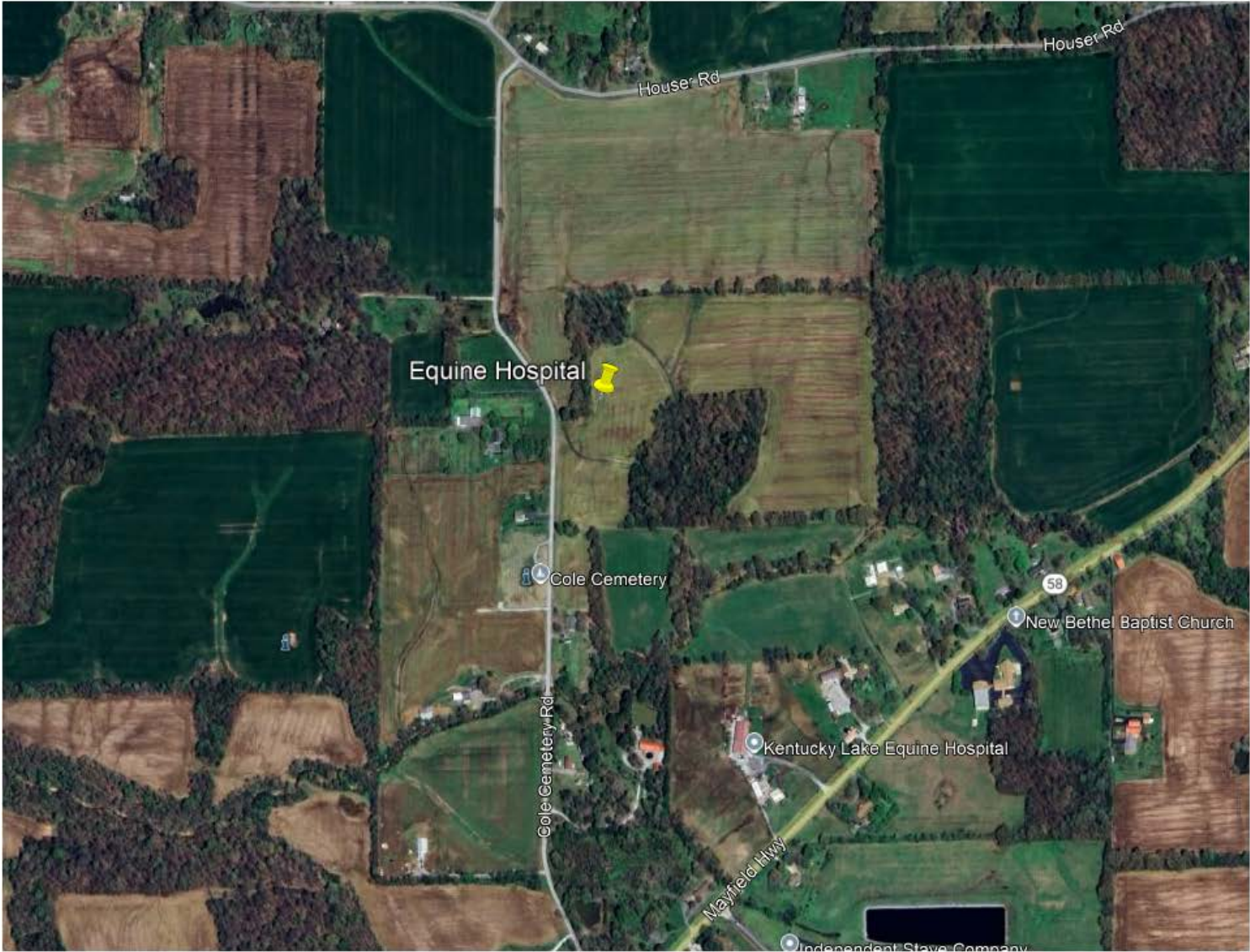


EXHIBIT L

**COPY OF COUNTY JUDGE/EXECUTIVE NOTICE &
PROOF OF NOTICE**



PIKE LEGAL GROUP PLLC
1578 Highway 44 East, Unit 6
PO Box 369
Shepherdsville, KY 40165-0369
Phone: 502-955-4400
Fax: 502-543-4410

VIA CERTIFIED MAIL

Hon. Kevin Spraggs
Marshall County Judge Executive
1101 Main Street
Benton, KY 42025

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2025-00190

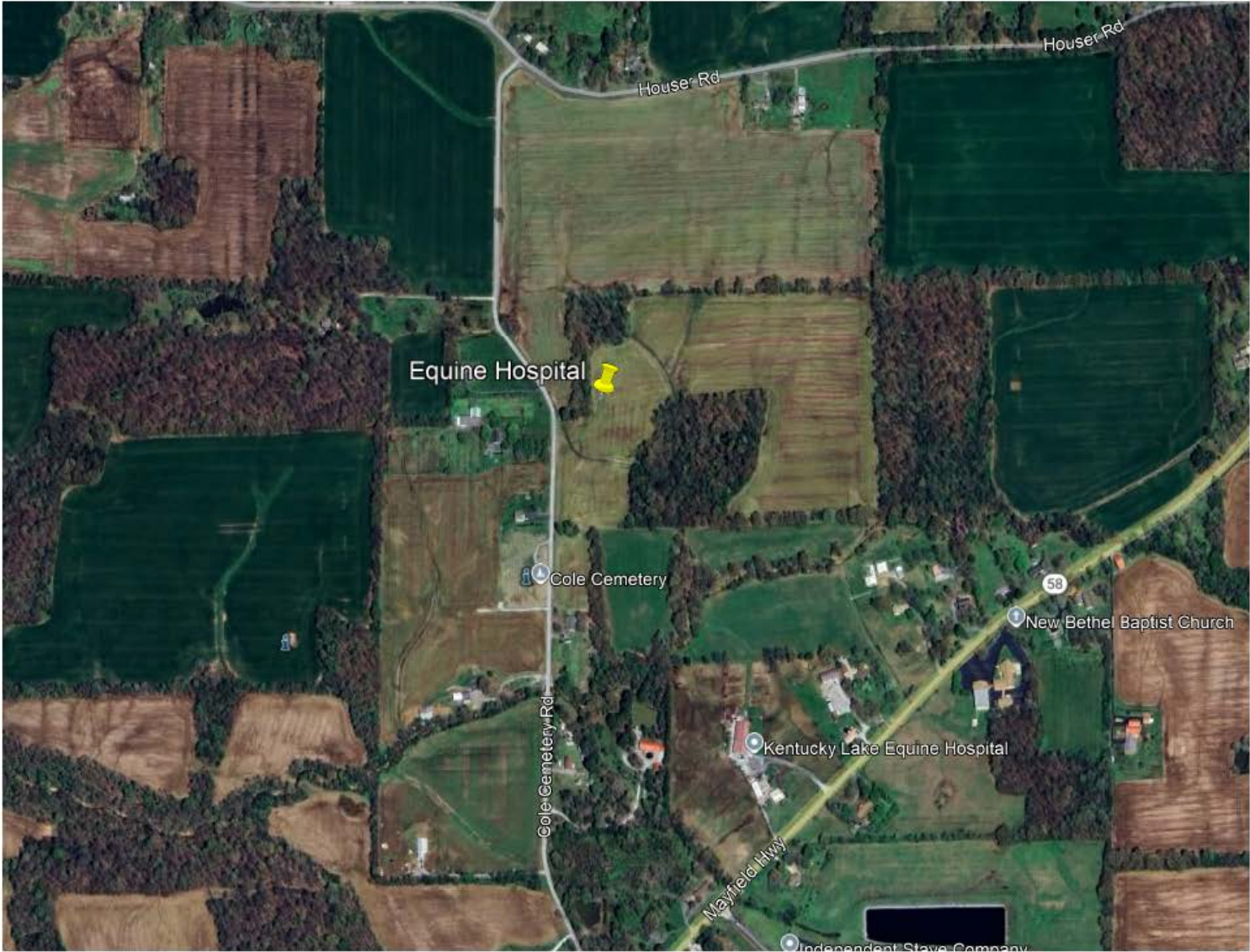
Dear Judge/Executive:

TowerCom VI-C, LLC and Kentucky RSA No. 1 Partnership by Cellco Partnership d/b/a Verizon Wireless, its Managing Partner, are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 313 Cole Cemetery Road, Benton, KY 42025 (36° 49' 18.57" North latitude, 88° 24' 39.72" West longitude). The proposed facility will include a 290-foot tower with a 10-foot lightning arrestor attached at the top for a total height of 300-feet, plus related ground facilities. This facility is needed to provide improved service 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 2025-00190 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. The Applicants site name is Equine Hospital.

Sincerely,
David A. Pike
Attorney for Applicants
enclosures



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Hon. Kevin Spraggs
Marshall County Judge Executive
1101 Main Street
Benton, KY 42025



EXHIBIT M

**COPY OF POSTED NOTICES AND
NEWSPAPER NOTICE ADVERTISEMENT TEAR SHEET**

SITE NAME: EQUINE HOSPITAL

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.

TowerCom VI-C, LLC and Kentucky RSA No. 1 Partnership d/b/a Verizon Wireless, its Managing Partner, propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00190 in your correspondence.

TowerCom VI-C, LLC and Kentucky RSA No. 1 Partnership d/b/a Verizon Wireless, its Managing Partner, propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2025-00190 in your correspondence.

Officer-involved shooting in Henderson results in death

By TOM LATEK
Kentucky Today

CORYDON, Ky. (KT) — The Kentucky State Police (KSP) Post in Henderson, at the request of the Henderson County Sheriff's Office (HCSO), is investigating an officer-involved shooting on Monday, just before 7:30 p.m.

Troopers and detectives arrived at the scene and began their probe of the incident.

The preliminary investigation indicates the HCSO was requested to respond to a disturbance in the 100 block of Eighth Street in Corydon, where a male individual was

threatening family members with a machete. When deputies arrived, they encountered 64-year-old Charles Powell Jr., of Corydon. Powell refused to drop the machete he was wielding and came toward the responding deputy. As a result, the deputy, whose name has not yet been released, discharged his agency-issued firearm, striking Powell, resulting in life-threatening injuries. The officer provided life-saving measures until EMS arrived; however, Powell died of his injuries while being transported to the hospital.

No officers were

injured during the incident, and the investigation remains ongoing.

This was the second officer-involved shooting within two days in Kentucky. A KSP trooper shot and killed a man near Cynthiana in Harrison County Sunday night. The man, identified as Ramon Morales of Cynthiana, allegedly created a disturbance at a home, drove off before troopers arrived, then returned to the residence, where the KSP says during the interaction, Morales was fatally wounded by the trooper.

The KSP notes they have statewide jurisdiction and investi-

gates officer-involved shootings throughout the state as requested by local, state, and federal law enforcement agencies. State Police say they are committed to being transparent while ensuring the integrity of the investigation. To protect the integrity of an ongoing investigation, it is KSP's standard operating procedure not to release specific details until vital witnesses have been interviewed and pertinent facts have been gathered. Timelines to complete investigations vary based on the complexity of the case.

KY 408 Reopens Ahead of Schedule After Major Bridge Replacement Project in Marshall County

Staff Report

PADUCAH, Ky. — Drivers in Marshall County can now travel a smoother and safer route along KY 408/Eggners Ferry Road, following the early completion of a major bridge replacement project. The Kentucky Transportation Cabinet (KYTC) announced that the stretch of roadway, located just east of Benton and

running through the Clarks River National Wildlife Refuge, reopened to traffic late Tuesday afternoon, June 10.

The \$9.1 million project involved the complete replacement of four aging bridges: the Johns River Bridge, Johns River Overflow Bridge, Clarks River Bridge, and Clarks River Overflow Bridge. These struc-

tures, spanning mile markers 8.5 to 10.2 on KY 408, had been closed for approximately 20 months due to the extensive construction effort.

Despite the scale of the work, the project was completed two months ahead of schedule—a milestone that has been welcomed by local residents and commuters alike. Jim Smith Contracting of

Grand Rivers served as the prime contractor, coordinating the efficient progress of the work amid the sensitive environmental setting of the wildlife refuge.

KYTC officials praised the collaboration and effort that brought the project to an early and successful finish, restoring a key transportation route in western Kentucky.

Marshall County week in review

A mass fatality class for emergency response organizations in Western Kentucky was held. The two-day training was held at the Marshall County Rescue Squad building, and saw Emergency Management Directors from Marshall, Calloway, Trigg, and Christian counties, as well as several others. Several counties also sent representatives from their health departments, as well as social workers, firefighters, and more. The training is considered a planning or awareness level class, intended to raise awareness and help emergency responders become familiar with the potential ways to handle mass fatality events.

Marshall County Schools announced that Lauren Shelby Anderson has been selected as the new Assistant Principal at South Marshall Middle School. Ms. Anderson brings more than 16 years of dedicated service to the district, including the past 11 years as a school counselor at South Marshall Middle School. She holds Middle School Math and Social Studies, School Counseling, and School Administration certificates.

Calvert Area Development Association and the Calvert City Pickleball Club presented checks totaling \$3,000 to the Marshall County Youth Services Center staff.

Murray / Calloway County week in review

Murray-Calloway County Hospital (MCHC) announced that its Geriatric Behavioral Health Unit has been honored with the 2024 Horizon Health Clinical Excellence Award, a prestigious recognition celebrating outstanding quality of care and patient-centered outcomes in behavioral health services.

While the Murray State University Board of Regents carried out many routine annual tasks like passing the budget, it was also a meeting of farewells. There were three members whose terms were coming to an end, along with President Dr. Bob Jackson who resided over his final board meeting.

The first place winners of the Fighting Back Against Parkinson's 5K that was held at the Murray State University CFSB Center include Tommy Gomez, who won in the male category and also received first-place overall. Gomez is an 18 year old Murray resident and finished the 5K in 17 minutes, 52 seconds. The first-place female finisher was 51-year-old Kim Vigil also of Murray, who finished in 23 minutes, 54 seconds.

MARSHALL COUNTY UPCOMING EVENTS:

June 13, Chair Yoga, Calvert Library, 10 a.m.
June 13, Food Truck Friday, Calvert City Memorial Park, 10:30 a.m. - 1:30 p.m.
June 13, Buttons, Bracelets, & Bookmarks, Benton Library, 3 p.m.
June 14, MLF Bass Fishing League, Moors Resort & Marina, 7 a.m.
June 14, Benton Farmers Market, HH Lovett Park, 7:30 a.m.
June 14, Just for the Health of it 5K, Calvert City Memorial Park, 8 a.m.
June 14, Radical Rides, Benton Library, 9 a.m.
June 14, Bloom & Brushstrokes, Rustic Ridge Event Center, 10 a.m.
June 14, Car Cruise/Concert, Benton Court Square, 5 p.m.
June 14, Commotion, Kentucky Opry Theatre, 7 p.m.
June 16, Chair Yoga, Benton Library, 10 a.m.
June 16, Musical Mondays, Benton Library, 10 a.m.
June 16, Barnyard Buddies, Hardin Branch Lawn, 3 p.m.
June 16, Calvert Trails Book Club, Calvert Library, 4 p.m.
June 17, Yoga in the Park, Calvert City Civic Center, 6 p.m.
June 19, Breakfast and Bingo, Calvert Library, 9 a.m.

MURRAY/CALLOWAY COUNTY UPCOMING EVENTS:

June 13, MTG Final Fantasy Chocobo Racing Draft, Enchanted Gaming Emporium, 6pm - 11pm
June 13-15, All Shook Up, Playhouse in the Park
June 13, Comedy Night, The Big Apple Bar and Grill, 8 a.m.
June 13-14, Western Rivers Jr. Livestock Expo, B.I. Cherry Exposition Center MSU, All Day
June 14, Downtown Farmers Market, Downtown Murray, 7 a.m. - 12 p.m.
June 14, Father's Day Portrait Painting, MAG, 9 a.m. - 12 p.m.
June 14, Dino Day, Woodlands Nature Station, 10 a.m. - 5 p.m.
June 16, Blood Drive, Murray Women's Club, 8:30 a.m. - 12 p.m.
June 16, Under the Big Top Summer Youth Workshop, MAG Studio, 1 p.m.
June 16, Our Town Audition Workshop, Playhouse in the Park Annex, 5 p.m.
June 16, Our Town Auditions, Playhouse in the Park Annex, 6 p.m.
June 17-21, Calloway County Fair, CC Fairgrounds
June 17, Our Town Auditions, Playhouse in the Park Annex, 6 p.m.
June 18, Inspired: A MAG Fundraiser, Stephano's Trattoria, 5 p.m.
June 19, Mom's Morning Out, SPLAT, 9 a.m. - 12 p.m.
June 19, Composting for the Backyard Gardener, CC Extension Office, 6:30 p.m.

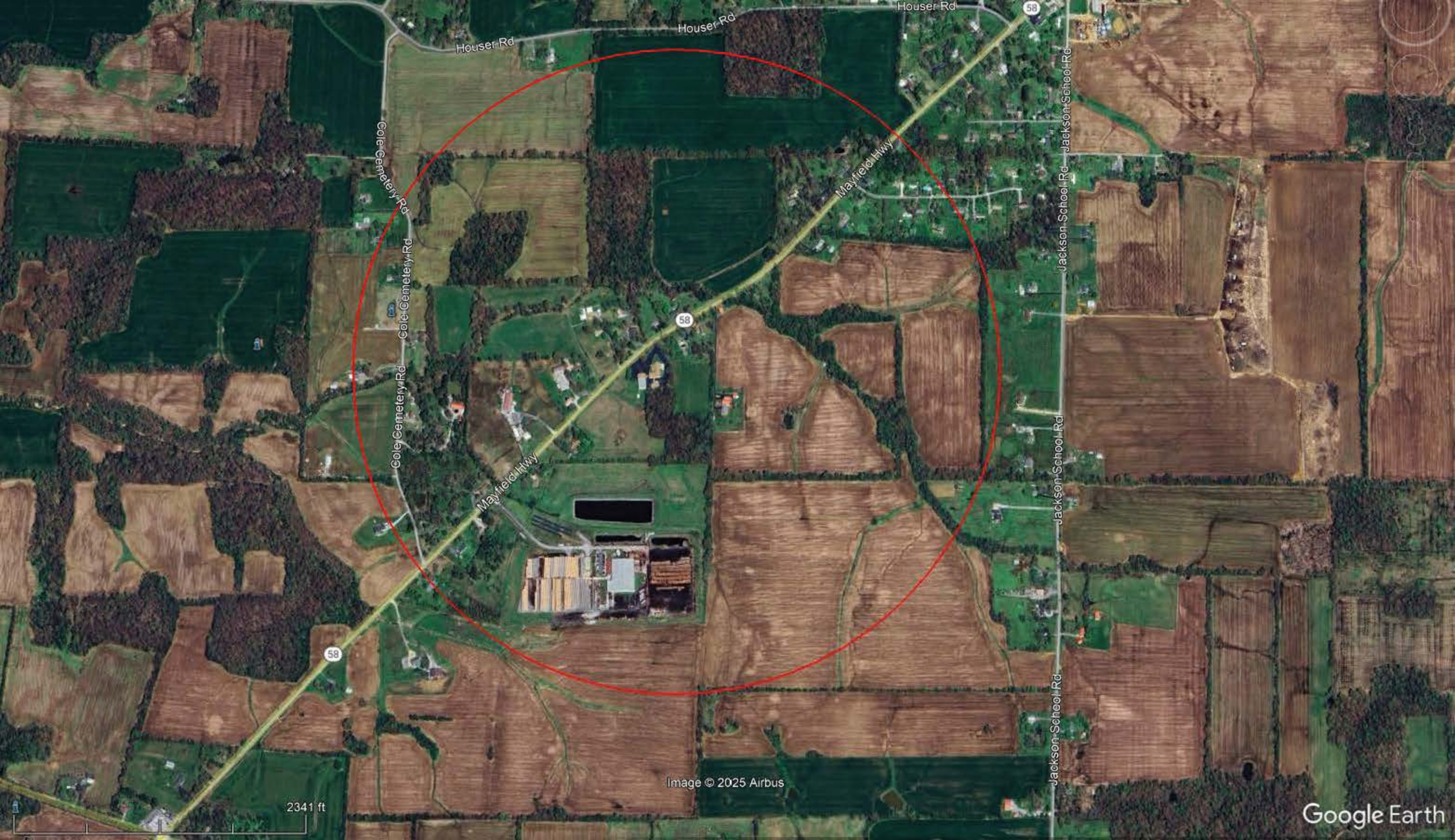
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EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



Houser Rd

Houser Rd

Houser Rd

Cole Cemetery Rd

Cole Cemetery Rd

Mayfield Hwy

Mayfield Hwy

Jackson School Rd

Jackson School Rd

58

58

Image © 2025 Airbus

2341 ft

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