COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF)
APC TOWERS IV, LLC, A DELAWARE)
LIMITED LIABILITY COMPANY)
AND CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS)
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC) CASE NO.: 2024-00291
CONVENIENCE AND NECESSITY TO CONSTRUCT)
A WIRELESS COMMUNICATIONS FACILITY)
IN THE COMMONWEALTH OF KENTUCKY)
IN THE COUNTY OF LIVINGSTON)

SITE NAME: EV SMITHLAND NORTH

* * * * * * *

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

APC Towers IV, LLC, a Delaware limited liability company and Cellco Partnership d/b/a Verizon Wireless ("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 provide and state the following information:

1. The complete name and address of the Applicants are: APC Towers IV, LLC,

a Delaware limited liability company, having an address of 8601 Six Forks Road, Suite 250, Raleigh, NC 27615 and Cellco Partnership d/b/a Verizon Wireless 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. APC Towers IV, LLC is a limited liability company organized in the State of Delaware on March 3, 2022. APC Towers IV's Certificate of Formation and Certificate of Good Standing issued by the State of Delaware are attached as part of **Exhibit A** and hereby incorporated by reference. APC Towers IV, 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 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. Cellco Partnership d/b/a Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC

requirements. A copy of Cellco Partnership d/b/a 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 wireless services to an area currently not served or not adequately served 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 on Brumitte Road, Smithland, KY 42081 (37° 09' 27.01" North latitude, 88° 23' 45.38" 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 Nancy K. Champion pursuant to a Deed recorded at Deed Book 260, Page 418 in the office of the County Clerk. The proposed WCF will consist of a 250-foot tall guy-wire tower, with an approximately 5-foot tall lightning arrestor attached at the top, for a total height of 255-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of radio electronics equipment and

appurtenant equipment. The 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 antennas on an existing structure. When suitable towers or structures exist, carriers attempt to co-locate on existing structures such as communications towers or other structures capable of supporting carrier's 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. 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. APC Towers IV, LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreement or an abbreviated agreement recorded with the County Clerk is attached as **Exhibit 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 Daniel J. Kunz 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 sent notice to every person who, according to the records of the County Property Valuation Administrator ("PVA"), 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 Livingston County PVA records obtained on September 11, 2024 (and re-verified on October 25, 2024) and used to generate the notice list are attached as part of **Exhibit J**.
 - 23. Six 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. Six signed United States Postal Service Form 3811 "green cards" have been returned. Copies of the returned "green cards" are attached as a part of **Exhibit J**. There are no unaccountable notices.
- 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" and a copy of the USPS Form 3811 "green card" for this mailing are also attached as a part of **Exhibit L**.
- 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 will be published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A copy of the text of the newspaper legal 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 with the Ohio River running approximately one mile west of the site and the

Cumberland River located less than one mile south of the site. The area is composed of large parcels with government-owned parcels just south of the site. There are no residences within 500' of the tower site. The site parcel is large and partially wooded with no existing structures.

- 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

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Kein Brown

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 Corporate Documentation & FCC Documentation

 B Site Development Plan:

 500' Vicinity Map
 Legal Descriptions
 Flood Plain Certification
 Site Plan
 Vertical Tower Profile

 C Tower and Foundation Design
 - Construction Manager Letter List of Qualified Professionals Tower and Foundation Drawings
- D Competing Utilities, Corporations, or Persons List
- E FAA
- F Kentucky Airport Zoning Commission
- G Geotechnical Report
- H Directions to WCF Site
- 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 and Newspaper Notice Advertisement
- N Copy of Radio Frequency Design Search Area

EXHIBIT A CORPORATE DOCUMENTATION & FCC LICENSE DOCUMENTATION

Page 1



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "APC TOWERS IV, LLC", FILED IN THIS OFFICE ON THE THIRD DAY OF MARCH, A.D. 2022, AT 10:15 O'CLOCK A.M.



Authentication: 202646764

Date: 01-23-24

6650861 8100 SR# 20240209212 State of Delaware Secretary of State Division of Corporations Delivered 10:15 AM 03/03/2022 FILED 10:15 AM 03/03/2022 SR 20220866393 - File Number 6650861

CERTIFICATE OF FORMATION

OF

APC TOWERS IV, LLC

This Certificate of Formation of APC Towers IV, LLC has been duly executed and is being filed by the undersigned authorized person for the purpose of forming a limited liability company pursuant to the Delaware Limited Liability Company Act, (6 Del. C. §§18-101, et seq.)

- 1. Name. The name of the limited liability company formed hereby (the "Company") is APC Towers IV, LLC.
- 2. <u>Registered Office</u>. The address of the registered office of the Company in the State of Delaware is: Corporation Trust Center, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.
- 3. <u>Registered Agent.</u> The name and address of the registered agent for service of process on the Company in the State of Delaware is The Corporation Trust Company, 1209 Orange Street, New Castle County, Wilmington, Delaware 19801.
- 4. <u>Bankruptcy of a Member</u>. For a period of sixty (60) days following the date on which the Company becomes aware that a bankruptcy petition has been filed by or against any member of the Company, the Company shall have the option to purchase all of such member's interests in the Company, exercisable by delivering written notice of its exercise of such option to such member and, if applicable, to the bankruptcy trustee and, provided that within sixty (60) days after its exercise of such option the Company pays to such member or trustee, as applicable, an amount equal to the capital account balance attributable to such member's interests in the Company (calculated pursuant to the Limited Liability Company Agreement of the Company), such member's interests in the Company automatically shall transfer to and vest in the Company without any further action by the Company and without any action by such member or trustee.

IN WITNESS WHEREOF, the undersigned authorized person has caused this Certificate of Formation to be duly executed as of the 3rd day of March, 2022.

/S/ GARRETT D. EVERS

Garrett D. Evers Authorized Person



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE, DO HEREBY CERTIFY "APC TOWERS IV, LLC" IS DULY FORMED

UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND

HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS

OF THE TWENTY-THIRD DAY OF JANUARY, A.D. 2024.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "APC TOWERS IV, LLC" WAS FORMED ON THE THIRD DAY OF MARCH, A.D. 2022.

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

RETARY'S OFFICE OF A STATE OF A S

Authentication: 202646751

Date: 01-23-24

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

Authentication number: 309767

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,

APC TOWERS IV, 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 22, 2023.

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 22nd day of April, 2024, in the 232nd year of the Commonwealth.



Michael G. adams

Michael G. Adams Secretary of State Commonwealth of Kentucky 309767/1262373



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.



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.

CONTRACT OF STATE OF

Michael G. Adams Secretary of State

Commonwealth of Kentucky kdcoleman/0641227 - Certificate ID: 290787

COMMONWEALTH OF KENTUCKY TREY GRAYSON SECRETARY OF STATE



0641227.07

cornish

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 bin	shoos will be conducted)		
has been adopted by See Addendum			
Rad rums - KR	19 365,015(1)		
which is the "real name" of PYOU MUST CHECK ONE] a Domestic General Partnership a Domestic Registered Limited Liability Partnership a Domestic Limited Partnership a Domestic Business Trust a Domestic Corporation	a Foreign General Particles a Foreign Registered Li a Foreign Limited Particles a Foreign Business Tru a Foreign Corporation	mited Liabili	ity Partnership
a Domestic Limited Liability Company	a Foreign Limited Liabi	lity Compan	v
a Joint Venture organized and existing in the state or country of			мhose address is
One Verizon Way	Basking Ridge	NJ	07920
Strasi address, if ony	Ciry	Stale	Zip Code
The certificate of assumed name is executed by NYNEX PCS Inc. Jane A. Schapker-Assistant Secretary June 15, 2006	Deposit of the 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, 7th Floor Walnut Creek, CA 94597

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

CL - C	ellular
Market Numer CMA444	Channel Block B
Sub-Market	Designator

Radio Service

File Number

0009611092

Call Sign

KNKN871

FCC Registration Number (FRN): 0003290673

Market Name Kentucky 2 - Union

Grant Date 08-31-2021	Effective Date 08-31-2021	Expiration Date	Five Yr Build-Out Date	Print Date 08-31-2021
00 31 2021	00 01 2021	20 01 2001		00 31 2021

Site Information:

Location LatitudeLongitudeGround Elevation (meters)Structure Hgt to Tip (meters)Antenna Structure Registration No.137-30-51.2 N087-30-18.0 W139.991.41030659

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.

Call Sign: KNKN871 **File Number:** 0009611092 **Print Date:** 08-31-2021

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City: Madisonville Count	ty: HOPKINS Sta	te: KY	Construction	on Dea	dline:			
Antenna: 5								
Maximum Transmitting ERP	in Watts: 140.820							
Azimuth(from true north	1) 0	45	90	135	180	225	270	315
Antenna Height AAT (meters Transmitting ERP (watts)		138.700	133.200	133.50		113.200	123.000	142.100
Antenna: 6	208.970	190.560	12.020	1.000	0.500	0.500	0.630	30.910
Maximum Transmitting ERP	in Watts: 140.820							
Azimuth(from true north Antenna Height AAT (meters		45	90	135	180	225	270	315
Transmitting ERP (watts)	(a) 127.800 0.500	138.700 0.540	133.500 19.950	133.50 190.50		113.200 20.420	123.000 1.070	142.100 0.500
Antenna: 7	0.300	0.340	19.930	190.30	00 208.940	20.420	1.070	0.300
Maximum Transmitting ERP								
Azimuth(from true north Antenna Height AAT (meters		45 138.700	90	135	180	225	270	315
Transmitting ERP (watts)	1.000	1.910	133.500 1.000	133.50 1.000		113.200 213.810	123.000 501.220	142.100 190.560
	1.000	1.710	1.000	1.000	0.310	213.010	301.220	170.300
Location Latitude	Longitude	G	round Elev	ation	Structure Hg	t to Tip	Antenna S	tructure
	8	(r	neters)		(meters)	_	Registratio	n No.
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	0.125 ((222 200		00110010					
Antenna: 2								
Maximum Transmitting ERP	in Watts: 140 820							
Azimuth(from true north	n) 0	45	90	135	180	225	270	315
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Transmitting ERP (watts) Antenna: 3	18.030	88.290	65.450	2.610	0.360	0.200	0.200	0.350
Maximum Transmitting ERP	in Watts: 140.820							
Azimuth(from true north		45	00	125	190	225	270	215

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)	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							
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							
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

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City: Marion County: CR	ITTENDEN Stat	e: KY C	Constructio	n Deadline	:			
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A statement EANLI AIZE CT								
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Antenna: 2 Maximum Transmitting ERP i Azimuth(from true north) Antenna Height AAT (meters)	in Watts: 140.820	45 120.000	90 110.700	135 105.000	180 90,400	225 94.900	270 118.300	315 102.200
Antenna: 2 Maximum Transmitting ERP i Azimuth(from true north)	in Watts: 140.820	45	90	135	180			
Antenna: 2 Maximum Transmitting ERP i Azimuth(from true north) Antenna Height AAT (meters)	in Watts: 140.820 0 97.900	45 120.000 87.100	90 110.700	135 105.000 85.110	180 90.400	94.900 87.100	118.300	102.200 89.130
Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	in Watts: 140.820 0 97.900 91.200	45 120.000 87.100	90 110.700 85.110	135 105.000 85.110	180 90,400 89,130 ructure Hg	94.900 87.100	118.300 89.130 Antenna St	102.200 89.130
Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Location Latitude 9 37-39-38.0 N Address: (Morganfield) 996	in Watts: 140.820 0 97.900 91.200 Longitude 087-55-11.5 W TP LUCKETTE RI	45 120.000 87.100 Gr (m 15	90 110.700 85.110 round Elevaters) 63.6	135 105.000 85.110 vation Str (m	180 90,400 89,130 ructure Hg	94.900 87.100	118.300 89.130 Antenna St Registratio	102.200 89.130
Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Location Latitude 9 37-39-38.0 N Address: (Morganfield) 996	in Watts: 140.820 0 97.900 91.200 Longitude 087-55-11.5 W	45 120.000 87.100 Gr (m 15	90 110.700 85.110 round Elevaters)	135 105.000 85.110 vation Str (m	180 90,400 89,130 ructure Hg	94.900 87.100	118.300 89.130 Antenna St Registratio	102.200 89.130
Antenna: 2 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Location Latitude 9 37-39-38.0 N Address: (Morganfield) 996	in Watts: 140.820 0 97.900 91.200 Longitude 087-55-11.5 W TP LUCKETTE RI :: UNION State: in Watts: 140.820	45 120.000 87.100 Gr (m 15	90 110.700 85.110 round Elevaters) 63.6	135 105.000 85.110 vation Str (m	180 90,400 89,130 ructure Hg	94.900 87.100	118.300 89.130 Antenna St Registratio	102.200 89.130

Azimuth(from true north)
Antenna Height AAT (meters)

Transmitting ERP (watts)

Call Sign: KNKN871 **File Number:** 0009611092 **Print Date:** 08-31-2021

Location Latitude Longitude **Ground Elevation** Structure Hgt to Tip **Antenna Structure** (meters) (meters) Registration No. 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)
Antenna Height AAT (meters) 90 135 180 225 270 315 45 130.600 126.500 124.600 100.000 131.200 122.100 129.400 122.600 Transmitting ERP (watts) 0.680 0.680 0.680 2.630 61.490 217.250 146.520 15.150 Longitude **Ground Elevation Structure Hgt to Tip Location Latitude Antenna Structure** (meters) (meters) Registration No. 12 088-22-10.0 W 1040303 37-02-00.0 N 105.5 106.7 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) 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) 90 180 225 270 315 45 135 78.900 Antenna Height AAT (meters) 77.600 85.300 88.100 83.000 68.600 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) 90 135 180 225 270 315 45 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 **Ground Elevation Structure Hgt to Tip Location Latitude** Longitude **Antenna Structure** (meters) (meters) Registration No. 14 087-29-35.0 W 118.0 91.0 1034040 37-36-46.0 N Address: EASTWOOD FERRY ROAD Construction Deadline: 02-23-2006 City: SEBREE County: WEBSTER State: KY Antenna: 4 **Maximum Transmitting ERP in Watts:** 140.820 Azimuth(from true north)
Antenna Height AAT (meters) 225 270 45 90 135 180 315 73.800 88.300 81.700 80.900 73.100 79.800 72.700 87.800 **Transmitting ERP (watts)** 0.560 0.200 0.200 0.280 2.400 42.76089.330 12.910 Antenna: 5 **Maximum Transmitting ERP in Watts: 140.820**

315

79.800

39.900

225

80.900

0.200

180

81.700

0.200

270

73.100

0.200

45

88.300

0.490

73.800

55.080

90

72.700

0.200

135

87.800

0.200

Location Latitude 14 37-36-46.0 N Address: EASTWOOD FERE		(m	round Eleva neters) 18.0	ation	Structure Hg (meters) 91.0	to Tip	Antenna St Registratio 1034040	
City: SEBREE County: WI	EBSTER State:	KY Coi	nstruction l	Deadlir	ne: 02-23-2006			
Antenna: 6 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140.820 0 73.800 0.200	45 88.300 0.200	90 72.700 0.200	135 87.800 5.380	180) 81.700 97.950	225 80.900 4.910	270 73.100 0.210	315 79.800 0.200
Location Latitude 16 36-46-54.2 N	Longitude 088-03-28.1 W	(m	round Eleva neters) 99.0	ation	Structure Hg (meters) 126.5	t to Tip	Antenna St Registratio 1205551	
Address: SR 80/US 68 & Tra								
City: Golden Pond County:	TRIGG State:	KY Cor	nstruction I	Deadlin	ne:			
Antenna: 1 Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140.820 0 165.000 96.610	45 178.000 96.610	90 160.000 96.610	135 175.00 96.610		225 167.000 96.610	270 177.000 96.610	315 184.000 96.610
Location Latitude 17 37-14-55.1 N	Longitude 088-20-42.2 W	(m	round Eleva neters) 75.8	ation	Structure Hg (meters) 108.8	to Tip	Antenna St Registratio 1231318	
Address: 738 Mitchell Road City: Burna County: LIVIN	NGSTON State:	KY Co	nstruction]	Deadlii	ne: 02-23-2006			
Antenna: 4 Maximum Transmitting ERP in								
Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 5	0 116.800 50.060	45 144.900 6.450	90 144.500 0.130	135 172.10 0.130	180 00 154.500 0.130	225 163.300 1.990	270 146.900 13.790	315 139.500 50.060
Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts) Antenna: 6	0 116.800 4.780	45 144.900 26.880	90 144.500 61.590	135 172.10 32.320		225 163.300 0.130	270 146.900 0.130	315 139.500 0.600
Maximum Transmitting ERP in Azimuth(from true north) Antenna Height AAT (meters) Transmitting ERP (watts)	Watts: 140.820 0 116.800 0.130	45 144.900 0.130	90 144.500 0.130	135 172.10 2.750	180 00 154.500 15.470	225 163.300 52.420	270 146.900 46.720	315 139.500 5.120

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

ULS Application

Cellular - 0009611092 - Cellco Partnership

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

General Information

Application

RO - Renewal Only

Purpose

Existing Radio Service

Authorization

Receipt Date

Regular

Type

07/06/2021

Entered Date 07/06/2021

Waiver Nο

Attachments Nο

Application Fee

Exempt

Major Request

Use Question

No

Market Data

Market CMA444 - Kentucky 2 - Union Submarket 0

Designator

Applicant Information

Type

5055 North Point Pkwy, NP2NE Network Engineering Alpharetta, GA 30022

0003290673

Cellco Partnership

ATTN Licensing Manager

Real Party in Interest

FRN

Name

FRN of Real

Party in Interest

Contact Information

Name Verizon Wireless Licensing Manager

5055 North Point Pkwy, NP2NE

Network Engineering Alpharetta, GA 30022 **ATTN Regulatory**

08/31/2021

No

No

2

Emergency STA

Action Date

Requested

Expiration Date

Number of Rules Grandfathered

Privileges

Regulatory Fee

Exempt

Phase

Channel Block В

General Partnership

P:(770)797-1070 F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

P:(770)797-1070

F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile

Type

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 Gender

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 04-28-2		Print Date
Market Number BTA339		nel Block	Sub-Market Designator
	Market Paducah-Murray		
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.

Call Sign: KNLH404 File Number: Print Date:

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status

ULS Application

0009135432 - Verizon Communications Inc.

File Number Application Status Q - Accepted 0009135432

General Information

Application Purpose

TC - Transfer of Control

Receipt Date 07/21/2020

Entered Date 07/21/2020 Action Date 08/13/2020

Waiver Nο Number of Rules

Attachments Yes

Application Fee

Exempt

Waiver/Deferral

No

E:sarah.trosch@verizon.com

E:sarah.trosch@verizon.com

E:Licensing.Compliance@verizonwireless.com

Fee

Licensee Information

FRN 0003290673 Type General Partnership Name P:(770)797-1070 Cellco Partnership

ATTN Regulatory

5055 North Point Pkwy, NP2NE

Engineering

No

Alpharetta, GA 30022

Race Gender

Ethnicity

Licensee Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I Street, NW - Suite 500

East

Washington, DC 20005

Transferor Information

FRN 0003257094 Type Corporation

Name Verizon Communications Inc. P:(202)515-2453

ATTN Sarah Trosch

1300 I Street, NW - Suite 500

East

Washington, DC 20005

Gender Race

Ethnicity

Transferor Contact Information

Wilkinson Barker Knauer, LLP P:(202)783-4141 Name

ATTN Jennifer L. Kostyu F:(202)783-5851 1800 M. St., NW, Suite 800N Washington, DC 20036

E:jkostyu@wbklaw.com

E:sarah.trosch@verizon.com

0003290673

Transferee Information

FRN 0003257094 Type Corporation

Name Verizon Communications Inc. P:(202)515-2453

ATTN Sarah Trosch

1300 I Street, NW - Suite 500

East

Washington, DC 20005

Real Party In Cellco Partnership FRN of Real

Party in Interest

Race Gender

Ethnicity

Interest

Transferee Contact Information

Name Wilkinson Barker Knauer, LLP P:(202)783-4141

ATTN Jennifer L. Kostyu F:(202)783-5851 1800 M. St., NW, Suite 800N E:jkostyu@wbklaw.com

Washington, DC 20036

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

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		nel Block F	Sub-Market Designator 15
	Market Mississip		
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.

Call Sign: WQGA718 **File Number:** 0009793647 **Print Date:** 02-23-2022

700 MHz Relicensed Area Information:

Market Name Buildout Deadline Buildout Notification Status

ULS Application

0011116303 - Trace-Tek

File Number 0011116303 Application Status G - Granted

Application Purpose

IN - New Lease Classification of De Facto Transfer

Lease

General Information

Application

LN - New Lease

Purpose

Receipt Date 06/13/2024

Entered Date 06/13/2024 Action Date 10/01/2024

Waiver No Number of Rules

Attachments Yes

Application Fee Nο

Exempt

Waiver/Deferral Nο

Fee

Licensee Information

FRN 0003290673 Type General Partnership

Name Cellco Partnership P:(770)797-1070

ATTN Network Engineering 5055 North Point Pkwy, NP2NE

Engineering

Alpharetta, GA 30022

E:Licensing.Compliance@verizonwireless.com

Gender Race

Ethnicity

Licensee Contact Information

P:(202)515-2453 Name Verizon

Sarah Trosch

1300 I St, NW- Suite 500 East Washington, DC 20005

E:sarah.trosch@verizon.com

Lessee Information

FRN 0030856223 Type Limited Liability Company

P:(972)672-0477 Name Trace-Tek

ATTN licenses@trace-tek.com E:licenses@trace-tek.com 2625 Commons Boulevard

Beavercreek, OH 45341

Real Party In Trace-Tek FRN of Real 0030856223

Interest Party in Interest

Race Gender

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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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 WQGA957	File Number 0009775566		
Radio Service			
AW - AWS (1710-1755 MHz and			
2110-2155 MHz)			

FCC Registration Number (FRN): 0003290673

Grant Date 12-21-2021	Effective Date 12-21-2021	Expiration Date 11-29-2036	Print Date 12-21-2021	
Market Number BEA069 Channel Block B Sub-Market Designator 0				
Market Name Evansville-Henderson, IN-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.

Call Sign: WQGA957 **File Number:** 0009775566 **Print Date:** 12-21-2021

700 MHz Relicensed Area Information:

ULS Application

0010812881 - Trace-Tek

File Number 0010812881 Application Status G - Granted

Application Purpose

LN - New Lease Classification of De Facto Transfer

Lease

General Information

Application

LN - New Lease

Purpose

Receipt Date 12/13/2023

Entered Date 12/13/2023 Action Date 02/24/2024

Waiver No Number of Rules

Attachments Yes

Application Fee

Exempt

Waiver/Deferral No

Fee

Licensee Information

FRN 0003290673 Type General Partnership

Name Cellco Partnership P:(770)797-1070
ATTN Regulatory E:Licensing.Comp

5055 North Point Pkwy, NP2NE

Engineering

Nο

Alpharetta, GA 30022

E:Licensing.Compliance@verizonwireless.com

Race Gender

Ethnicity

Licensee Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I St, NW- Suite 500 East Washington, DC 20005

E:sarah.trosch@verizon.com

Lessee Information

FRN 0030856223 Type Limited Liability Company

Name Trace-Tek P:(972)672-0477

ATTN licenses@trace-tek.com E:licenses@trace-tek.com 2625 Commons Boulevard

Beavercreek, OH 45341

Real Party In Trace-Tek FRN of Real 0030856223 Interest Party in

Party in Interest

Race Gender

Ethnicity

Lessee Contact Information

Name Trace-Tek P:(972)672-0477

Garrett Loo

ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341 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

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 (171	0-1755 MHz and			
2110-215	55 MHz)			

FCC Registration Number (FRN): 0003290673

_						
	Grant Date 01-03-2022]	Effective Date 01-03-2022	Expiration Dat 11-29-2036	e	Print Date 01-05-2022
	Market Number BEA072		Channel Block B			b-Market Designator
	Market Name Paducah, KY-IL					
	1st Build-out Date	2nd	Build-out Date	3rd Build-out Da	te	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.

700 MHz Relicensed Area Information:

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009775572 - Cellco **Partnership**

File Number 0009775572 Radio Service AW - AWS (1710-1755 MHz and

2110-2155 MHz)

No

Call Sign WOGA960 Application Status G - Granted

General Information

Application Purpose

RO - Renewal Only

Existing Radio Service

Authorization Type

Waiver

Regular **Emergency STA**

Receipt Date 10/26/2021

Action Date 01/03/2022

Entered Date 10/26/2021 Requested **Expiration Date**

No Number of Rules

Attachments Yes Grandfathered

Privileges

Application Fee No Regulatory Fee No

Exempt Exempt

Major Request Use Question

Market Data

Market BEA072 - Paducah, KY-IL Channel Block В

0 Associated 001720.00000000-Submarket Designator Frequencies 001730.00000000 (MHz) 002120.00000000-

002130.00000000

Applicant Information

FRN 0003290673 General Partnership Type P:(770)797-1070 Cellco Partnership Name

5055 North Point Pkwy, NP2NE F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com

Network Engineering Alpharetta, GA 30022

FRN of Real

Party in Interest

Contact Information

Real Party in

Interest

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 Mobile

Type

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 Gender

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 WQGD474	File Number 0009787546			
Radio Service				
AW - AWS (1710-1755 MHz and				
2110-2155 MHz)				

FCC Registration Number (FRN): 0003290673

Grant Date 02-09-2022	Effective Date 02-09-2022	Expiration Date 12-18-2036	Print Date 02-10-2022	
Market Number BEA096		Channel Block C Sub-M		
Market Name St. Louis, MO-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 islicensed 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.

Call Sign: WQGD474 **File Number:** 0009787546 **Print Date:** 02-10-2022

700 MHz Relicensed Area Information:

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009787546 - Cellco **Partnership**

File Number 0009787546 Radio Service AW - AWS (1710-1755 MHz and

2110-2155 MHz)

Call Sign WOGD474 Application Status G - Granted

General Information

Application Purpose

RO - Renewal Only

Existing Radio Service

Authorization Type

Regular **Emergency STA**

Receipt Date 11/05/2021

Action Date 02/09/2022

Entered Date 11/05/2021

No

Requested **Expiration Date**

Waiver No Attachments

Number of Rules

Grandfathered

Yes **Privileges**

Application Fee

Exempt

Regulatory Fee Exempt

Major Request Use Question

Market Data

Market BEA096 - St. Louis, MO-IL Channel Block C

Submarket Designator

FRN

0 Associated Frequencies

001730.00000000-001735.00000000 (MHz) 002130.00000000-002135.00000000

General Partnership

No

No

Applicant Information

Cellco Partnership Name

0003290673

P:(770)797-1070 F:(770)797-1036 5055 North Point Pkwy, NP2NE

Type

Network Engineering

E:licensingcompliance@verizonwireless.com

Alpharetta, GA 30022

Real Party in FRN of Real Interest Party in Interest

Contact Information

Name Cellco Partnership P:(770)797-1070

Licensing Manager F:(770)797-1036

5055 North Point Pkwy, NP2NE

Network Engineering Alpharetta, GA 30022 E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile

Type

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 Gender

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 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	8			
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 islicensed 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.

700 MHz Relicensed Area Information:

Action Date

06/17/2022

E:Licensing.Compliance@verizonwireless.com

E:sarah.trosch@verizon.com

ULS Application

0010093348 - Cellco Partnership

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 **Entered Date**

06/16/2022 Requested

Expiration Date

Waiver No Number of Rules Grandfathered Attachments

Privileges

Application Fee

Exempt

Regulatory Fee No Exempt

Major Request

Applicant Information

FRN 0003290673 Type General Partnership P:(770)797-1070 Name Cellco Partnership

5055 North Point Pkwy, NP2NE

Engineering

Alpharetta, GA 30022 ATTN Regulatory

FRN of Real Real Party in Interest Party in

Interest

Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I Street, NW - Suite 500 East

Washington, DC 20005

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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 WQGV763	File Number 0009905996		
Radio Service			
AW - AWS (1710-1755 MHz and			
2110-2155 MHz)			

FCC Registration Number (FRN): 0003290673

Grant Date 04-05-2022	Effective Date 04-05-2022	Expiration Date 04-30-2037	Print Date 04-05-2022	
Market Number	Chann	el Block S	Sub-Market Designator	
BEA096 B 0 Market Name				
St. Louis, MO-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 islicensed 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.

Call Sign: WQGV763 **File Number:** 0009905996 **Print Date:** 04-05-2022

700 MHz Relicensed Area Information:

ULS Application

0010157192 - Illinois RSA 6 and 7 Limited Partnership

File Number 0010157192 Application Status Q - Accepted

Application Purpose

LN - New Lease

Classification of

Action Date

Spectrum Manager

12/03/2022

Nο

P:(770)797-1070

Lease

General Information

Application Purpose

LN - New Lease

Receipt Date 08/08/2022

Entered Date 08/08/2022

Nο

Waiver Yes Number of Rules

Attachments Yes

Application Fee

Exempt

Waiver/Deferral

Fee

Licensee Information

FRN 0003290673 Type General Partnership

Name Cellco Partnership ATTN Regulatory

5055 North Point Pkwy, NP2NE

Network Engineering Alpharetta, GA 30022 E:Licensing.Compliance@verizonwireless.com

Gender Race

Ethnicity

Licensee Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I St NW - Suite 500 East Washington, DC 20005

E:sarah.trosch@verizon.com

E:licensingcompliance@verizonwireless.com

Lessee Information

FRN 0002842334 Type Limited Partnership

Name Illinois RSA 6 and 7 Limited P:(770)797-1070

> Partnership **ATTN Regulatory**

5055 North Point Pkwy, NP2NE

Network Engineering

Alpharetta, GA 30022

Real Party In Cellco Partnership FRN of Real 0003290673

> Party in Interest

Race Gender

Ethnicity

Interest

E:sarah.trosch@verizon.com

Lessee Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I St Nw - Suite 500 East

Washington, DC 20005

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

Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: CELLCO PARTNERSHIP

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

Call Sign WQHG455	File Number 0009041605		
Radio Service CW - PCS Broadband			

FCC Registration Number (FRN): 0003290673

,				
Grant Date 06-30-2017	Effective Date 05-29-2020	Expiration Date 07-23-2027	Print Date 08-12-2020	
Market Number BTA135				
Market Name Evansville, IN				
1st Build-out Date 07-23-2012	2nd Build-out Date	3rd Build-out Date	4th Build-out Date	

Waivers/Conditions:

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 islicensed 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.

Call Sign: WQHG455 **File Number:** 0009041605 **Print Date:** 08-12-2020

700 MHz Relicensed Area Information:

ULS Application

0010812881 - Trace-Tek

File Number 0010812881 Application Status G - Granted

Application Purpose

LN - New Lease Classification of De Facto Transfer Lease

General Information

Application

LN - New Lease

Purpose

Receipt Date 12/13/2023

Entered Date 12/13/2023 Action Date 02/24/2024

Waiver No Number of Rules

Attachments Yes

Application Fee

Exempt

Waiver/Deferral No

Fee

Licensee Information

FRN 0003290673 Type General Partnership

Name Cellco Partnership P:(770)797-1070
ATTN Regulatory E:Licensing.Compliance@verizonwireless.com

5055 North Point Pkwy, NP2NE

Engineering

Nο

Alpharetta, GA 30022

• • •

E:sarah.trosch@verizon.com

Race Gender

Ethnicity

Licensee Contact Information

Name Verizon P:(202)515-2453

Sarah Trosch

1300 I St, NW- Suite 500 East

Washington, DC 20005

Lessee Information

FRN 0030856223 Type Limited Liability Company

Name Trace-Tek P:(972)672-0477

ATTN licenses@trace-tek.com E:licenses@trace-tek.com

2625 Commons Boulevard Beavercreek, OH 45341

Real Party In Trace-Tek FRN of Real 0030856223

Interest Party in Interest

Interest

Race Gender

Ethnicity

Lessee Contact Information

Name Trace-Tek P:(972)672-0477

Garrett Loo

ATTN licenses@trace-tek.com 2625 Commons Boulevard Beavercreek, OH 45341 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

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
Radio	Service
WU - 700 MHz Up	per Band (Block C)

FCC Registration Number (FRN): 0003290673

,			
Grant Date 01-10-2020	Effective Date 02-11-2021	Expiration Date 06-13-2029	Print Date
Market Number REA004		nel Block	Sub-Market Designator
	Market Mississip		
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.

Call Sign: WQJQ692 File Number: Print Date:

700 MHz Relicensed Area Information:

ULS Application

700 MHz Upper Band (Block C) - 0010612840 - Cellco Partnership

File Number Radio Service WU - 700 MHz Upper Band (Block 0010612840

C)

MD - Modification

10/16/2024

Call Sign WQJQ692 Application Status 2 - Pending

General Information

Application

Purpose

AM - Amendment

Original Application

Purpose

Existing Radio

Service

Authorization

Type

Receipt Date 10/15/2024

Entered Date 10/15/2024

Waiver No

Attachments Yes

Application Fee

Exempt

Major Request

Regular

Emergency STA

Action Date

Requested

Expiration Date

Number of Rules Grandfathered No

Privileges

Regulatory Fee

Exempt

No

С

Market Data

Submarket

Designator

Name

Market REA004 - Mississippi Valley

No

0

Channel Block

Associated Frequencies (MHz)

000746.000000000-000757.00000000 000776.00000000-000787.00000000

Applicant Information

FRN 0003290673

> Cellco Partnership 5055 North Point Pkwy, NP2NE

Network Engineering Alpharetta, GA 30022

ATTN Regulatory

Type

General Partnership P:(770)797-1070 F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

Real Party in Interest

Party in Interest

FRN of Real

Contact Information

Name Verizon Wireless Licensing Manager

5055 North Point Pkwy, NP2NE

Network Engineering Alpharetta, GA 30022 **ATTN Regulatory**

P:(770)797-1070 F:(770)797-1036

E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile

Type

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 Gender

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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 WQWY363	File Number 0009762545			
Radio Service				
AW - AWS (1710-1755 MHz and				
2110-2155 MHz)				

FCC Registration Number (FRN): 0003290673

Market Number REA004 Channel Block D Sub-Market Designator 16 Market Name	Grant Date 12-14-2021	Effective Date 12-14-2021	Expiration Date 11-29-2036	Print Date 12-14-2021
	Market Number	Chan	nel Block	Sub-Market Designator
Mississippi Valley		Marke	t Name	

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.

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

Call Sign: WQWY363 **File Number:** 0009762545 **Print Date:** 12-14-2021

700 MHz Relicensed Area Information:

ULS Application

AWS (1710-1755 MHz and 2110-2155 MHz) - 0009762545 - Cellco **Partnership**

File Number 0009762545 Radio Service AW - AWS (1710-1755 MHz and

2110-2155 MHz)

No

No

Call Sign **WOWY363** Application Status G - Granted

General Information

Application Purpose

RO - Renewal Only

Existing Radio Service

Authorization Type

Regular **Emergency STA**

Receipt Date 10/21/2021 **Entered Date**

Action Date 12/14/2021

10/21/2021 Requested **Expiration Date**

Waiver No Number of Rules

Attachments Yes Grandfathered

Privileges

Application Fee No Regulatory Fee

Major Request

Exempt Exempt

Use Question

Market Data

Market REA004 - Mississippi Valley Channel Block D

Submarket Designator

Associated 001735.00000000-16 Frequencies 001740.00000000 (MHz) 002135.00000000-

002140.00000000

Applicant Information

FRN 0003290673 Type General Partnership Cellco Partnership P:(770)797-1070 Name

F:(770)797-1036 5055 North Point Pkwy, NP2NE E:licensingcompliance@verizonwireless.com

Network Engineering Alpharetta, GA 30022

Real Party in FRN of Real Party in

Interest

Contact Information

Interest

Name Verizon Wireless P:(770)797-1070

Licensing Manager F:(770)797-1036

5055 North Point Pkwy, NP2NE Network Engineering

Alpharetta, GA 30022

E:LicensingCompliance@VerizonWireless.com

Qualifications, Ownership

Radio Service Mobile

Type

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 Gender

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.

EXHIBIT B

SITE DEVELOPMENT PLAN:

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

8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615

NEW 250' GUYED TOWER w/5' LIGHTNING ROD **TOTAL TOWER HEIGHT 255'**

TOWER OWNER SITE

EV SMITHLAND NORTH SITE #: US-KY-5203

VERIZON WIRELESS SITE FV SMITHLAND NORTH

MDG#: 5000931481

SITE ADDRESS

BRUMITTE RD SMITHLAND, KY 42081 LIVINGSTON COUNTY E911 ADDRESS: TBD

TOWER OWNER

APC TOWERS IV, LLC
8601 SIX FORKS RD, SUITE 250
RALEIGHT, NC 27615
CONTACT: PAUL ALVAREZ
PHONE: 919-249-7732
MOBILE: 224-828-3092
E-MAIL: PALVAREZ@APCTOWERS.COM

PROPERTY OWNER

NANCY K CHAMPION 985 US HWY 60 E SMITHLAND, KY 42081
CONTACT: ZACK CHAMPION
PHONE: 270–508–0693
E-MAIL: zchampion07@gmail.com

LIVINGSTON COUNTY SHERIFF 321 COURT ST SMITHLAND, KY 42081 PHONE: 270-928-2122

LEDBETTER FIRE DISTRICT 857 CUTOFF RD SMITHLAND, KY 42081 PHONE: 207-928-2555

GENERAL INFORMATION

LATITUDE - 37' 09' 27.01" N LONGITUDE - 88' 23' 45.38" W 1983 (NAD83) ELEVATION - 347.00' AMSL

TOWER OWNER LEASE AREA

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

VERIZON WIRELESS LEASE AREA 20'-0" x 36'-0" (720 SF)

PROJECT TOTAL DISTURBED AREA

COMPOUND: (10000 SF) = (0.23 ACRE) ACCESS DRIVE: (4825 SF) = (0.11 ACRE) GROSS AREA: (14825 SF) = (0.34 ACRE)

PROJECT SUMMARY



EV SMITHLAND NORTH

APC SITE #: US-KY-5203

BRUMITTE RD SMITHLAND, KY 42081 LIVINGSTON COUNTY

TENANT: LEGAL BUSINESS ENTITY CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS

DIRECTIONS CREATED BY: CONTACT: JEFFREY LASHBROOK PHONE: 502-459-8402

FROM 800 RUSSELL ROAD CHANDLER, IN 47610: HEAD WEST ON RUSSELL RD (0.2 MI.). TURN RIGHT TO STAY ON RUSSELL RD (0.3 MI.). TURN LEFT ONTO GARDNER RD (1.6 MI). TURN LEFT ONTO IN-62 (4.2 MI.). USE RIGHT LANE TO -69 S (0.3 MI.). FOLLOW I-69S (8.1 MI.). TAKE EXIT 0 FOR VETERANS MEM PKWY (0.1 MI.). KEEP LEFT AT FORK FOR US-41 A (7.0 MI.). USE RIGHT 2 LANES TO MERGE ONTO US-41/US 60 W (12.6 MI.). TURN LEFT ONTO STATE HWY 1557 (3.2 MI.). TURN LEFT ON PETER CRUZ RD (0.7 MI.). TURN LEFT ONTO BARKER RD (0.8 MI.). TURN LEFT ONTO T L BISHOP RD (0.8 MI.). TURN LEFT ONTO KY-141 S (15.9 MI.). TURN LEFT ONTO US-60 W (15.3 MI.). TURN RIGHT ONTO W GUM ST AND CONTINUE ON US-60 W (25.2 MI.). TURN LEFT ONTO BURMITTE RD (495 FT). DESTINATION WILL BE ON THE LEFT.

FROM COUNTY SEAT, 321 COURT ST, SMITHLAND, KY 42081: HEAD NORTHWEST ON COURT ST (282 FT). TURN RIGHT ONTO US 60E/ E ADAIR ST (1.3 MI.). TURN RIGHT ONTO

BURMITTE RD (0.1 MI.). DESTINATION WILL BE ON THE LEFT.

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

TOWER OWNER SCOPE:

NISTALL A NEW 250' GUYED TOWER W/ 5' LIGHTNING ROD (TOTAL 255')

NISTALL A NEW TOWER FOUNDATION SYSTEM

INSTALL A NEW TOWER FOUNDATION SYSTEM
INSTALL A NEW EO/XEO, FENCED GRAVEL COMPOUND
INSTALL A NEW EICETRICAL SERVICE RUN TO SITE UTILITY H-FRAME
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 YOWER CONCRETE EQUIPMENT AND GENERATOR PADS
INSTALL YOW ICE BRIDGE AND FOUNDATIONS
INSTALL YOW ICE BRIDGE AND FOUNDATIONS
INSTALL YOW ICE GRIDGE AND FOUNDATIONS
INSTALL YOW ICE GRIDGE AND FOUNDATIONS
INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE
STUB-UP TO UTILITY H-FRAME AND FOUNDATIONS
INSTALL ELECTRICAL SERVICE CONDUIT WITH PULL TAPES FROM ILC ENCLOSURE
STUB-UP TO UTILITY H-FRAME OND THE STUB-UP LOCATION TO
THE GENERATOR STUB-UP AT YZW GENERATOR PAD
INSTALL NEW CONDUITS WITH PULL TAPES FROM YZW ILC STUB-UP LOCATION TO
THE GENERATOR STUB-UP AT YZW GENERATOR PAD
INSTALL (1) NEW YERIZON WIRELESS ONLY" FIBER OPTIC 4" PVC CONDUIT WITH
(3) 1" SMOOTH WALL HOPE INNERDUCTS WITH PULL TAPES AND TRACER WIRE
FROM YZW EQUIPMENT TO NEW YERIZON WIRELESS ONLY" 24"X36" HAND HOLE
OUTSIDE COMPOUND THEN TO NEW YERIZON WIRELESS ONLY" 24"X36" HAND
HOLE AT R.O.W.

VERIZON WIRELESS SCOPE (VZW GC):

INSTALL VZW PREFABRICATED CANOPY AND FOUNDATIONS
INSTALL VZW ANTENNA MOUNTING SUPPORT STRUCTURE ON TOWER
INSTALL VZW ANTENNAS, LINES, COAX, CPS 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
FENTOSIUPE

ENCLOSURE
ENCLOSURE
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

INSTALL NEW OUTDOOR OVES AND CARLING ON VERIZON FOLIPMENT H-FRAME

PROJECT DESCRIPTION



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.

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

2012 INTERNATIONAL ENERGY CODE (COMMERCIAL) 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.

ARCHITECTURAL

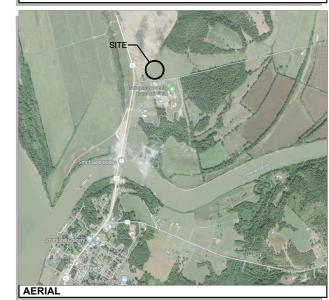
BOWMAN 3001 TAYLOR SPRINGS DR

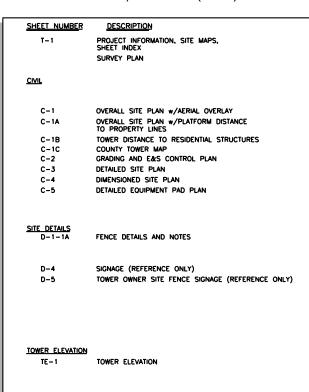
APPLICABLE CODES

SURVEYOR
SHARONDALE SURVEYING, INC.
161 MARTIN RD, BON AQUA, TN 37025
PHONE: 615-513-0032
FMAIL: SHARNDAL@BELLSOUTH.NET

JACKSON PURCHASE ENERGY
ADDRESS: 6525 US HWY 60
PADUCAH, KY 42001
CONTACT: ANDY POLLARD
PHONE: 270-519-5123
EMAIL: Andy.Pollard@jpenergy.con

CONSULTANT TEAM





REFERENCE DRAWINGS

ANTENNA PLAN AND DETAILS (REFERENCE ONLY) GENERATOR SPECIFICATIONS (REFERENCE ONLY)



PHONE (919) 249-7732

	DESCRIPTION	ZONING ISSUE				
	REV. DATE	07/25/24				
Į	REV.	0				



EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 PROJECT INFORMATION, SITE MAPS, SHEET INDEX

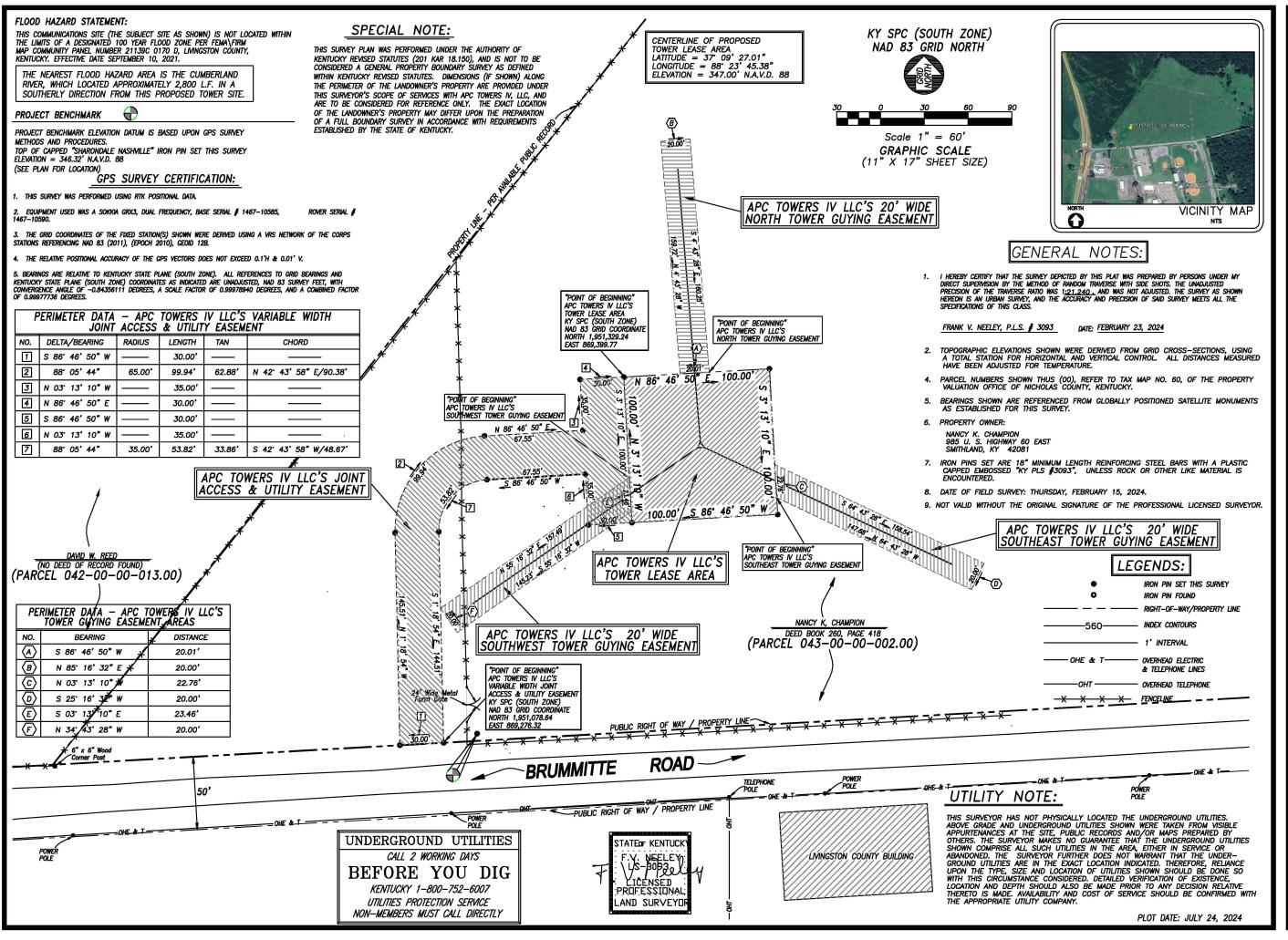
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ISSUED FOR REVIEW PERMIT CONSTRUCTION RECORD

DESIGNER ROJECT MANAGER JTL JTL

JOB NUMBER 240900-01-004

MIK PAD & CANOPY REV 4 FINAL 04/23/24



SHARO SURVE INC. 161 MARTIN 1615) SAUA, TI (615) SAUA, TI CAMII: SAUA

ROND, VEYING

KENTUCKY JUNNER STAND NORTH" TOWER SITE SILE LIVINGSTON COUNTY, KEN LEASE AREA SURVEY D FOR: APC TOWERS IV LLC V LLC SITE NUMBER: 500007 LOCATED

SHEET NUMBER:

PROJECT NUMBER: 224.014.20

APC TOWERS IV LLC'S TOWER LEASE AREA DESCRIPTION

Beginning at a capped "Sharondale Nashville" iron pin set at the northwest corner of APC Towers IV LLC's tower lease area located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 1,951,329.24, East 869,399.77;

Thence, North 86 degrees 46 minutes 50 seconds East, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the northeast corner of APC Towers IV

Thence, South 3 degrees 13 minutes 10 seconds East, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the southeast corner of APC Towers N LLC's tower lease area:

Thence, South 86 degrees 46 minutes 50 seconds West, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the southwest corner of APC Towers IV LLC's tower lease area:

Thence, North 3 degrees 13 minutes 10 seconds West, 100.00 feet to the point of beginning, containing 10,000 square feet, (0.230 acres).

Being a portion of the property conveyed to Nancy K. Champion, of record in Deed Book 260, Page 418, of the Court Clerk's Office of Livingston County, Kentucky.

APC TOWERS IV LLC'S VARIABLE WIDTH JOINT ACCESS & UTILITY EASEMENT AREA DESCRIPTION

Being a variable width joint access and utility easement extending from the north margin of Brummitte Road to the we margin of APC Towers IV LLC's tower lease area, being more particularly described as follows:

Beginning at a capped "Sharondale Nashville" iron pin set in the north margin of Brummitte Road located at Kentucky State Plane (South Zone) NAD 83 Grid Coordinate North 1.951.078.64. East 869.276.32:

Thence, with the north margin of Brummitte Road, South 86 degrees 46 minutes 50 seconds West, 30.00 feet to a capped "Sharondale Nashville" iron pin set;

Thence, leaving the north margin of Brummitte Road, North 1 degree 18 minutes 54 seconds West, 145.51 feet to a point;

Thence, along a curve to the right with a central angle of 88 degrees 05 minutes 44 seconds, a radius of 65.00 feet, and a chord bearing of North 42 degrees 43 minutes 58 seconds East, 90.38 feet, a total distance of 99.94 feet to a point;

Thence, North 86 degrees 46 minutes 50 seconds East, 67.55 feet to a point:

Thence, North 3 degrees 13 minutes 10 seconds West, 35.00 feet to a point;

Thence, North 86 degrees 46 minutes 50 seconds East, 30.00 feet to a capped "Sharondale Nashville" iron pin set at the northwest corner of APC Towers IV LLC's tower lease area;

Thence, with the west margin of APC Towers N LLC's tower lease area, South 3 degrees 13 minutes 10 seconds East, 100.00 feet to a capped "Sharondale Nashville" iron pin set at the southwest corner of APC Towers N LLC's tower lease area;

Thence, leaving the west margin of APC Towers IV LLC's tower lease area, South 86 degrees 46 minutes 50 seconds West, 30.00 feet to a point;

Thence, North 3 degrees 13 minutes 10 seconds West, 35.00 feet to a point;

Thence, South 86 degrees 46 minutes 50 seconds West, 67.55 feet to a point;

Thence, along a curve to the left with a central angle of 88 degrees 05 minutes 44 seconds, a radius of 35.00 feet, and a chord bearing of South 42 degrees 43 minutes 58 seconds West, 48.67 feet, a total distance of 53.82 feet to a point;

Thence, South 1 degree 18 minutes 54 seconds East, 144.51 feet to the point of beginning, containing 11,683 square feet, (0.268 acres).

Being a portion of the property conveyed to Nancy K. Champion, of record in Deed Book 260, Page 418, of the Court Clerk's Office of Livingston County, Kentucky.

APC TOWERS IV LLC'S 20' WIDE NORTH TOWER GUYING EASEMENT AREA DESCRIPTION

Beginning at a point in the north margin of APC Towers IV LLC's tower lease area, being South 86 degrees 46 minutes 50 seconds West, 41.30 feet from a capped "Sharondale Nashville" iron pin set at the northeast corner of APC Towers IV LLC's tower lease area;

Thence, with the north margin of APC Towers N LLC's tower lease area, South 86 degrees 46 minutes 50 seconds West, 20.01 feet to a point;

Thence, leaving the north margin of APC Towers IV LLC's tower lease area, North 4 degrees 43 minutes 28 seconds West, 159.72 feet to a point;

Thence, North 85 degrees 16 minutes 32 seconds East, 20.00 feet to a point;

Thence, South 4 degrees 43 minutes 28 seconds East, 160.25 feet to the point of beginning, containing 3,200 square feet, (0.074 acres).

Being a portion of the property conveyed to Nancy K. Champion, of record in Deed Book 260, Page 418, of the Court Clerk's Office of Livingston County, Kentucky.

APC TOWERS IV LLC'S 20' WIDE SOUTHEAST TOWER GUYING EASEMENT AREA DESCRIPTION

Beginning at a point in the east margin of APC Towers N LLC's tower lease area, being North 3 degrees 13 minutes 10 seconds West, 11.48 feet from a capped "Sharondale Nashville" iron pin set at the southeast corner of APC Towers N LLC's tower lease area;

Thence, with the east margin of APC Towers N LLC's tower lease area, North 3 degrees 13 minutes 10 seconds West, 22.76 feet to a point;

Thence, leaving the east margin of APC Towers N LLC's tower lease area, South 64 degrees 43 minutes 28 seconds East, 158.54 feet to a point;

Thence, South 25 degrees 16 minutes 32 seconds West, 20.00 feet to a point;

Thence, North 64 degrees 43 minutes 28 seconds West, 147.68 feet to the point of beginning, containing 3,062 square feet, (0.070 acres).

Being a portion of the property conveyed to Nancy K. Champion, of record in Deed Book 260, Page 418, of the Court Clerk's Office of Livingston County, Kentucky.

APC TOWERS IV LLC'S 20' WIDE SOUTHWEST TOWER GUYING EASEMENT AREA DESCRIPTION

Beginning at a point in the west margin of APC Towers IV LLC's tower lease area, being South 3 degrees 13 minutes 10 seconds East, 68.92 feet from a capped "Sharondale Nashville" iron pin set at the northwest corner of APC Towers IV LLC's tower lease area;

Thence, with the west margin of APC Towers N LLC's tower lease area, South 3 degrees 13 minutes 10 seconds East, 20.01 feet to a point;

Thence, leaving the west margin of APC Towers N LLC's tower lease area, South 55 degrees 16 minutes 32 seconds West, 145.23 feet to a point;

Thence, North 34 degrees 43 minutes 28 seconds West, 20.00 feet to a point;

Thence, North 55 degrees 16 minutes 32 seconds East, 157.49 feet to the point of beginning, containing 3,027 square feet, (0.070 acres).

Being a portion of the property conveyed to Nancy K. Champion, of record in Deed Book 260, Page 418, of the Court Clerk's Office of Livingston County, Kentucky.

UNDERLYING LANDOWNER'S PROPERTY AREA DESCRIPTION

TRACT #1:

SITUATED NORTH OF CUMBERLAND RIVER ABOUT 21/2 MILES FROM SMITHLAND AND BOUNDED THUS: BEGINNING AT TWO DOGWOODS, ELM AND WHITE OAK IN COWPER'S LINE; RUNNING WITH SAID LINE S 29 E 60 POLES TO A HICKORY AND WHITE OAK CORNER TO EDMONDS; THENCE N 40 E 1101/2 POLES TO A STAKE, CORNER TO GREEN; THENCE N 55 W 76 POLES TO A STAKE WITH A SASSAFRAS AND ELM POINTERS. ROE'S LINE: THENCE WITH SAID LINE S 27 W 851/2 POLES TO THE BEGINNING, CONTAINING 40 ACRES.

TRACT 4

SITUATED AND BEING ON THE NORTH SIDE OF THE CUMBERLAND RIVER AND ON THE WATERS OF THE OHIO RIVER IN LIVINGSTON COUNTY AND STATE OF KENTUCKY AND BOUNDED AS FOLLOWS; BEGINNING AT A STONE NEAR CONKLE'S WELL IN THE BACK LINE OF THE OLD COWPER SURVEY AND RUNNING THENCE WITH SAID LINE AND WITH THE SMITHLAND AND BIRDSVILLE ROAD S 29 E 148 POLES TO A STAKE IN SAID ROAD; THENCE S 89 W ALONG A FENCE 338 POLES TO A STAKE ON THE BANK OF THE OHIO RIVER; THENCE UP SAID RIVER; NO THE BANK OF THE OF THE OHIO RIVER; THENCE WITH WARREN'S LINE IN 66 E 348 POLES TO THE BEGINNING, CONTAINING 309 ACRES, MORE OR LESS AND BEING A PART AND THE UPPER PART OF A TRACT OF LAND SAID TO CONTAIN 660 ACRES MORE OR LESS, CONVEYED BY GEORGE G. RAPPOLEE, R.S. BOYD AND JOHN L. VCK, AS COMMISSIONERS TO JOHN C. COWPER AND OTHERS BY DEED DATD THE DAY OF SEPTEMBER, 1878, AND NOW OF RECORD IN THE OFFICE OF THE CLERK OF THE LYMNGSTON COUNTY COURT AT PAGE 590, OF DEED BOOK 14, AND BEING A PART OF THE OLD ANN COWPER TRACT OF LIND.

THERE IS EXCEPTED AND NOT HEREIN CONVEYED A CERTAIN TRACT OF LAND CONVEYED TO THE UNITED STATES IF AMERICA BY JAMES LACY HIBBS, ET AL, BY DEED DATED FEBRUARY
10, 1975, AND RECORDED IN DEED BOOK 121, PAGE 422, LIVINGSTON COUNTY CURT CLERK'S OFFICE, THE SAME BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, TO-WIT:

A TRACT OF LAND DESIGNATED AS TRACT NO. 113 OF THE SMITHLAND LOCKS AND DAM PROJECT, SITUATED IN THE STATE OF KENTUCKY, LIVINGSTON COUNTY, ON DYER HILL CREEK, AND THE LEFT DESCENDING BANK OF THE OHIO RIVER AND MORE PARTICULARLY DESCRIBED WITH BEARINGS REFERENCED TO THE KENTUCKY STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AND ELEVATIONS TO THE SANDY HOOKS DATUM, AS FOLLOWS:

BEGINNING AT A CONCRETE MONUMENT SET IN THE DIVISION PROPERTY LINE OF LANDS NOW OR FORMERLY OWNED BY ROSA BRADLEY ET AL, AND THE LANDS OF THE SUBJECT OWNER; THE COORDINATES OF SAID MONUMENT ARE: X-1,221,173,83, Y-318,583.13, AND IS WITNESSED BY A NAIL IN A CAP SET IN A 10-INCH OAK WHICH BEARS NORTH 72' 35' EAST 26.60 FEET, A 24-INCH OAK WHICH BEARS SOUTH 05' 05' WEST 2.10 FEET AND A 12-INCH HICKORY WHICH BEARS SOUTH 89' 20' WEST 15.20 FEET; THENCE FROM THE POINT OF BEGINNING, SEVERING THE LANDS OF THE SUBJECT OWNER, SOUTH 18' 00' EAST PASSING A METAL FENCE POST SET BY AN IRON PIN AT 843.07 FEET, CONTINUING IN ALL A TOTAL DISTANCE OF 2.134.96 FEET, TO A CONCRETE MONUMENT SET IN THE DIVISION LINE OF LAND OWNED BY THE UNITED STATES GOVERNMENT; THENCE WITH SAID GOVERNMENT'S LINE SOUTH 74' 30' WEST 600 FEET, MORE OR LESS, TO A POINT IN THE ORDINARY LOW WATER LINE ON THE LEFT DESCENDING BANK OF THE OHIO RIVER; THENCE NORTHWESTERLY AND UPSTREAM ALONG SAID WATER LINE AS IT MEANDERS 2,150 FEET, MORE OR LESS, TO A CORNER OF THE LANDS OF SAID BRADLEY; THENCE LEAVING SAID RIVER WITH SAID BRADLEYS LINE NORTH 73' 30' EAST 725 FEET MORE OR OR LESS, TO THE POINT OF BEGINNING, CONTAINING 35.40 ACRES, MORE OR LESS, OF WHICH 1.25 ACRES, MORE OR LESS, ARE LOCATED BELOW THE ORDINARY HIGH WATER LINE (ELEVATION 318).

PROPERTY #2:

PROPERTY DESCRIPTION:

CONTAINING TWO TRACTS AND DESCRIBED AS FOLLOWS, TO-WIT:

1ST TRACT BOUNDED THUS: BEGINNING AT A BLACK GUM IN G.W. DULEY'S LINE, RUNNING THENCE 21' W 112 POLES TO A SMALL BLACK OAK WITH ASH AS A WITNESS; THENCE W 122 POLES TO A STONE IN THE SALEM AND SWITHLAND ROAD, THENCE WITH SAID ROAD S 5' E 37 POLES TO A STONE WITH SWEET GUM WITNESS; THENCE WITH SAID ROAD AGAIN S 26' W 86 POLES TO A STONE AT THE JUNCTION OF THE SWITHLAND AND SALEM AND SWITHLING AND SALEM ROAD S 3' W 72 POLES TO A STONE CORNER TO LOT NO. 1; THENCE, WITH SAID LOT A STONE; THENCE WITH SAID LOT AGAIN N 801/2' E 60 POLES TO A STONE; THENCE WITH SAID LOT AGAIN N 801/2' E 60 POLES TO A CYPRESS IN G. W. DULEY'S LINE; THENCE WITH SAID LINE N 21' W 120 POLES TO A MAPLE, DULEY'S CORNER; THENCE WITH HIS LINE N 69' E 152 POLES TO THE BEGINNING, CONTAINING 175 ACRES BY SURVEY.

2ND TRACT IS BOUNDED THUS: BEGINNING AT A MAPLE, G.W. DULEY'S CORNER IN A LINE OF LOT NO. 6, RUNNING THENCE WITH DULEY'S LINE S 20' E 40 POLES TO STONE, HIS CORNER; THENCE WITH HIS LINE AGAIN S 741/2' E 205 POLES TO A COTTONNOOD, HIS CORNER ON CUMBERLAND RIVER; THENCE UP THE RIVER WITH THE MEANDERS THEREOF N 30' E 41/2 POLES N 17' E 20 POLES N 40 POLES N 5" W 20 POLES N 20' W 28 POLES N 24' W 24 POLES TO A STAKE CORNER TO LOT NO. 6; THENCE WITH SAID LOT S 69' W 205 POLES TO THE BEGINNING, CONTAINING 135 ACRES BY SURVEY.

EXCEPTION: THERE IS EXCEPTED FROM THE ABOVE DESCRIBED BOUNDARIES AND NOT HEREBY CONVEYED A PORTION THEREOF AS HERETOFORE CONVEYED TO COMMONWEALTH OF KENTUCKY, DEPARTMENT OF HIGHMAYS, BY DEED DATED JANUARY 28, 1987, OF RECORD IN DEED BOOK 101, PAGE 506, RECORDS OF THE LIVINGSTON COUNTY CLERK'S OFFICE, AND DESCRIBED AS FOLLOWS. BEGINNING AT AN IRON PIN 500' MORE OR LESS, NORTHEAST OF U.S. 60 IN THE SOUTH LIMITS OF PRESNELL ROAD; THENCE N 77 49' E WITH THE SOUTH LIMITS OF PRESNELL ROAD A DISTANCE OF 1017.1 FEET TO AN IRON PIN IN THE PROPERTY LINE BETWEEN LANDS NOW OR FORMERLY OWNED BY CLYDE REED AND THE LAND OWNED BY NETTLE PRESNELL; THENCE S 21' 29' E WITH SAID PROPERTY LINE A DISTANCE OF 1992.4 FEET TO A 30' CHPRESS TREE; THENCE S 80' 07' W A DISTANCE OF 1040.0 FEET TO A CORNER FENCE POST; THENCE N 21' 03' W A DISTANCE OF 1995.4 FEET TO THE POINT OF BEGINNING, CONTAINING 48.60 ACRES, MORE OR LESS, MORE OR LESS.

THE TRACTS OF LAND HEREBY CONVEYED AND ABOVE DESCRIBED ARE ALSO SUBJECT TO ALL LEGAL HIGHWAYS, POWER LINES AND TELEGRAPH LINES, TOGETHER WITH ALL ROADWAYS NOW LOCATED ON SAID PREMISES.

TAX ID: 043-00-00-002.00

BEING THE SAME PROPERTY CONVEYED TO NANCY K. "KAITE" CHAMPION, GRANTEE, FROM NANCY K. CHAMPION, PERSONAL REPRESENTATIVE OF THE ESTATE OF THOMAS CHAMPION, GRANTOR. BY AFFIDANT OF REAL PROPERTY TRANSFER. RECORDED 02/05/2019. IN BOOK 260. PAGE 418. OF THE LIMINGSTON COUNTY RECORDS.

SURVEYOR'S REVIEW OF "SPECIAL EXCEPTIONS"

NOTES CORRESPONDING TO OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY'S "TITLE COMMITMENT" — COMMITMENT NO. 01—24012746—01T, ISSUED MARCH 25, 2024.

EXCEPTION NUMBERS ONE THROUGH EIGHT ARE NOT THE TYPE OF EXCEPTIONS TO BE SHOWN UPON THE FACE OF THIS SURVEY.

STATEDE KENTUCKY
F.V. NEELEY
LIS-BOP30
LICENSED
PROFESSIONAL
LAND SURVEYOR

CTowers

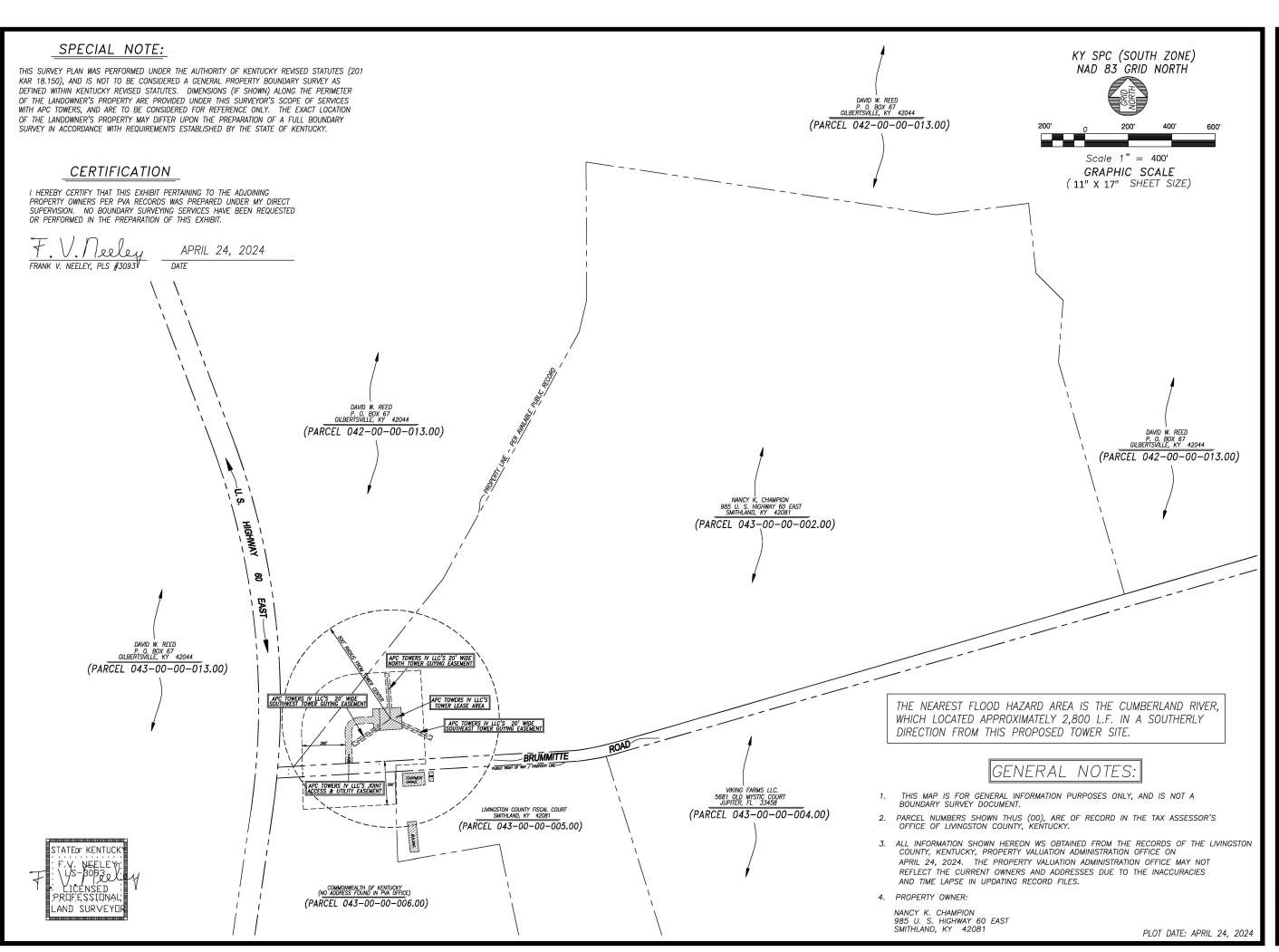
C TOWERS IV LLC SITE SURVEY: KENTUCKY
"EV SMITHLAND NORTH" TOWER SITE
IN: SMITHLAND, LIVINGSTON COUNTY, KENTUCKY
TOWER LEASE AREA SURVEY
PREPARED FOR: APC TOWERS IV LLC
TOWERS IV LLC SITE NUMBER: 5000931481

SHEET NUMBER:

OCATED

2 OF .

PROJECT NUMBER: 224.014.20



APC Towers

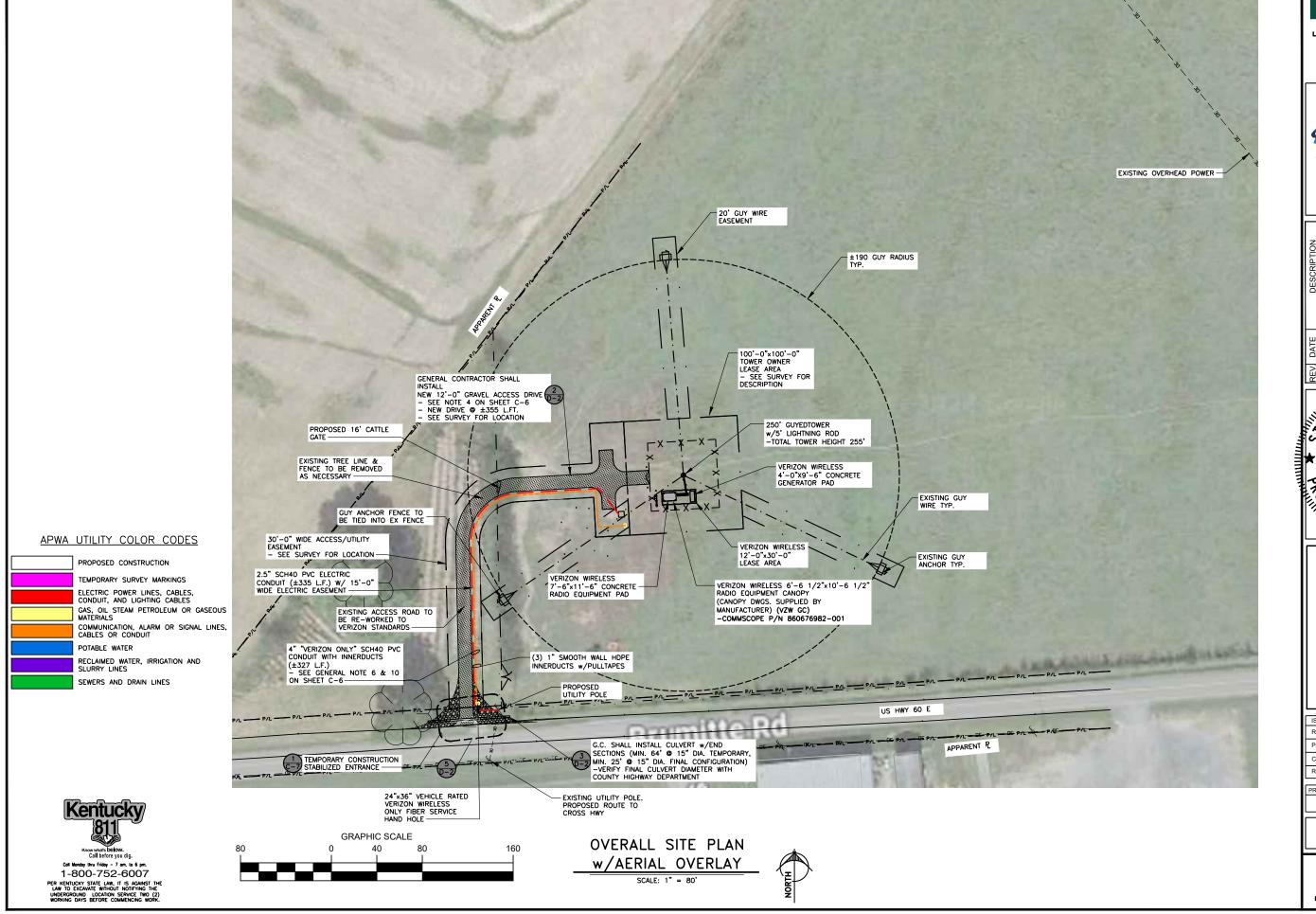
SHARONDALE SURVEYING NC. 161 MARTIN ROAD BON AQUA, TN 37025 (615) 513-0032

TAX PARCEL 043-00-00-002.00
PROPERTY VALUATION ADMINISTRATOR'S OFFICE
SMITHLAND, LIVINGSTON COUNTY, KENTUCKY
PREPARED FOR: APC TOWERS IV LLC

SHEET NUMBER:

OF :

PROJECT NUMBER: 224.014.30



Bowman

CONSULTING ENGINEERS,
LANDSCAPE ARCHITECTS, PLANNERS AN

3001 TAYLOR SPRINGS DRIV LOUISVILLE, KENTUCKY 4022 PHONE: (502) 459-8402

ACTowers

8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 PHONE (919) 249-7732

DESCRIPTION	ZONING ISSUE				
EV. DATE	07/25/24				
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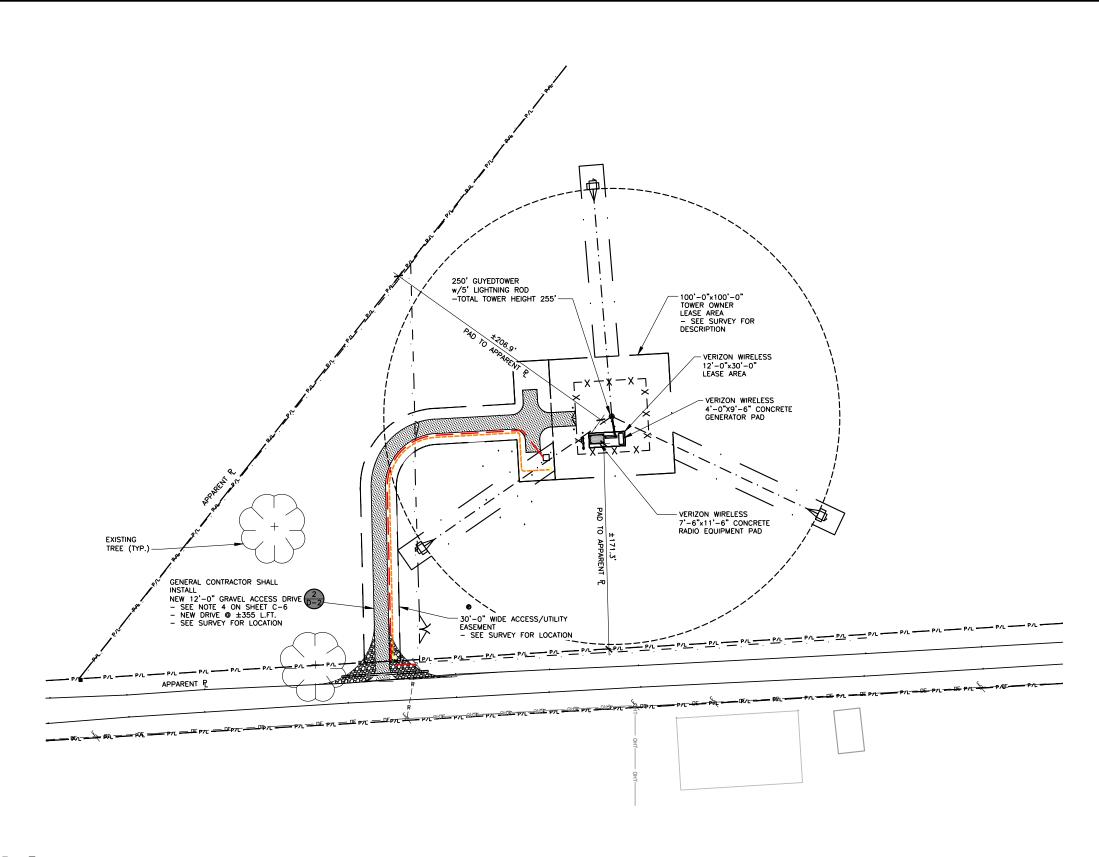
EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 OVERALL SITE PLAN W/ AERIAL OVERLAY

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PERMIT	-
CONSTRUCTION	-
RECORD	-

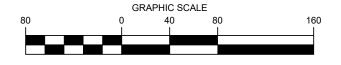
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JOB NUMBER 240900-01-004









OVERALL SITE PLAN w/PAD DISTANCE TO PROPERTY LINES

SCALE: 1" = 80"



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ANDSCAPE ARCHITECTS, PLANNER: SURVEYORS

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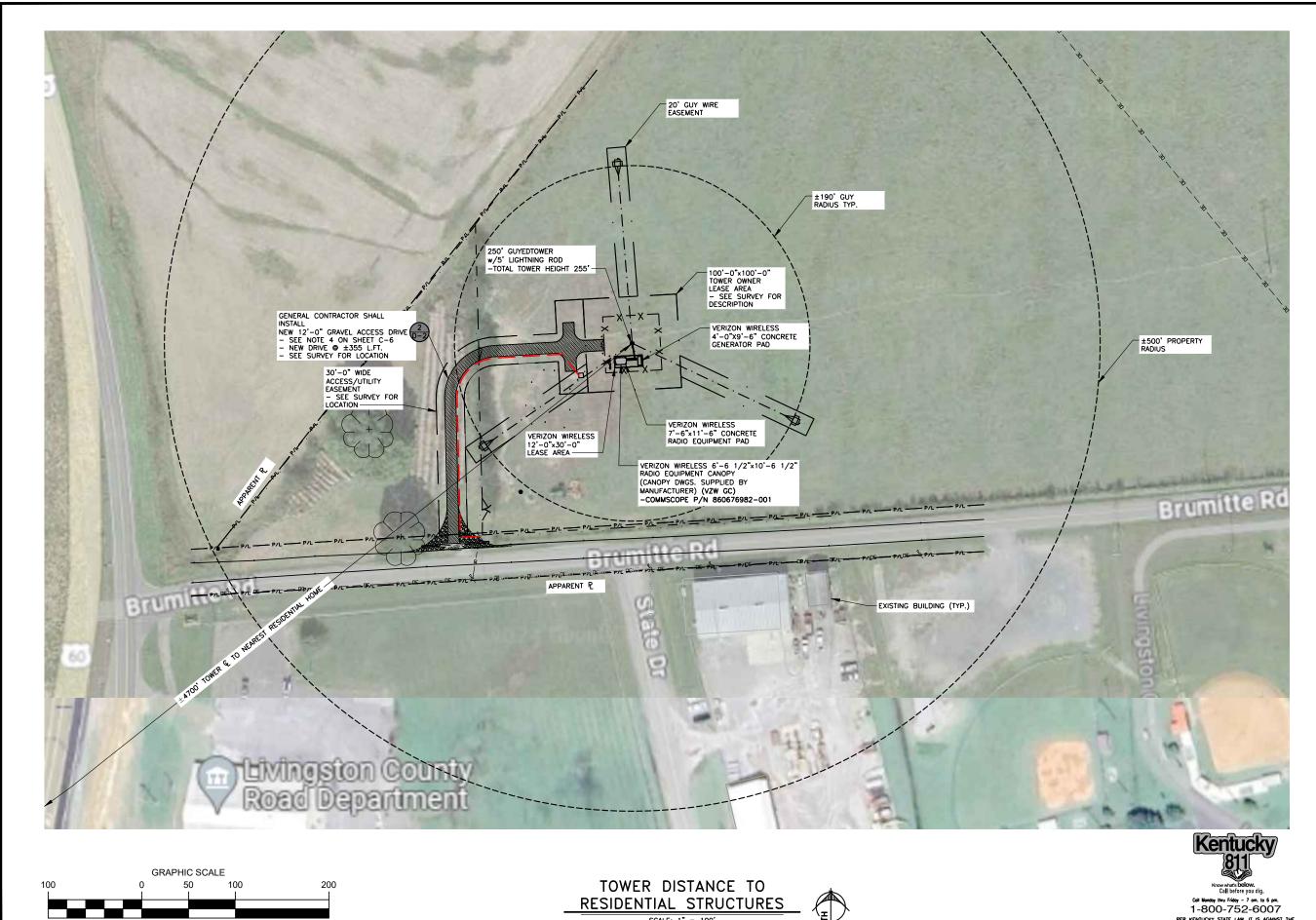
EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 OVERALL SITE PLAN W/ PLATFORM DISTANCE TO PROPERTY LINES

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ISSUED FOR:				
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PERMIT	-			
CONSTRUCTION	1			
RECORD	-			

Ш	PROJECT MANAGER	DESIGNER
	JTL	JTL

JOB NUMBER 240900-01-004





Bowma 3001 TAYLOR SPRINGS DRIVE LOUISVILLE, KENTUCKY 40220 PHONE: (502) 459-8402 FAX: (502) 459-8427 **Act**Towers

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TOWER DISTANCE TO RESIDENTIAL STRUCTURES EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081

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CONSTRUCTION	-
RECORD	-

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JOB NUMBER 240900-01-004

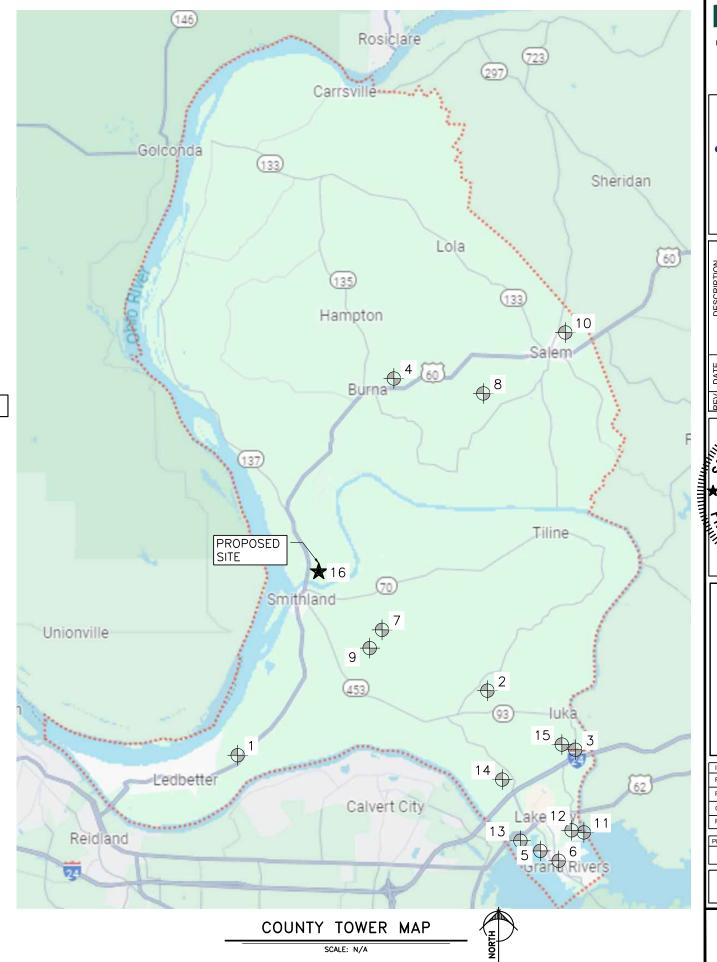
В MIK PAD & CANOPY REV 4 FINAL 04/23/24

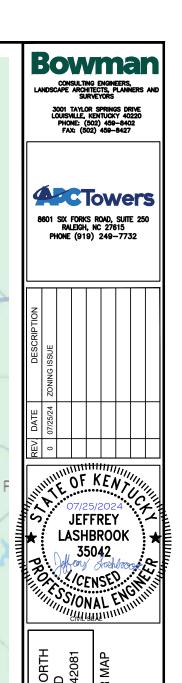
PER KENTUCKY STATE LAW, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

TOWER DISTANCE TO RESIDENTIAL STRUCTURES SCALE: 1" = 100'



<u>FCC_REGISTERED_SITES</u> (LIVINGSTON_COUNTY)						
<u>TOWER</u>	<u>ASR</u>	LATITUDE	LONGITUDE	TOWER OWNER		
1	1039771	37° 03' 22.7" N	88° 26' 49.1" W	American Towers LLC		
2	1201153	37° 05' 27.8" N	88° 17' 17.0" W	American Towers LLC		
3	1222154	37° 03' 24.5" N	88° 14' 07.3" W	SBA Properties, LLC		
4	1231318	37° 14' 55.1" N	88° 20' 42.2" W	Cellco Partnership LLC (GRANTED)		
5	1235865	37° 00' 33.0" N	88° 14' 56.0" W	Tennessee Valley Authority		
6	1241571	37° 00' 29.5" N	88° 14' 35.9" W	City of Grand Rivers (GRANTED)		
7	1248684	37° 07' 07.7" N	88° 20' 29.0" W	CCATT LLC		
8	1261019	37° 14' 15.7" N	88° 17' 41.3" W	Big Rivers Electric Corporation		
9	1271446	37° 06' 47.2" N	88° 21' 34.1" W	Freeland, Jim		
10	1276270	37° 16′ 31.3″ N	88° 13' 54.9" W	American Towers LLC		
11	1285245	37° 01' 10.6" N	88° 13′ 30.9″ W	US Army Corps of Engineers		
12	1289457	37° 01' 14.4" N	88° 13' 39.6" W	US Army Corps of Engineers		
13	1289476	37° 00' 56.2" N	88° 15' 56.3" W	US Army Corps of Engineers		
14	1298519	37° 02' 46.2" N	88° 16' 25.4" W	PI Tower Development LLC		
15	1315479	37° 03' 29.4" N	88° 14' 10.9" W	Uniti Towers LLC (GRANTED)		
16		37° 09' 27.01" N	88° 23' 45.38" W	APC TOWERS (PROPOSED TOWER)		





EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 COUNTY TOWER MAP

ISSUED FOR:					
REVIEW	-				
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CONSTRUCTION	-				
RECORD	-				
PROJECT MANAGER	DESIGNER				

JTL JTL

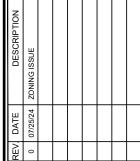
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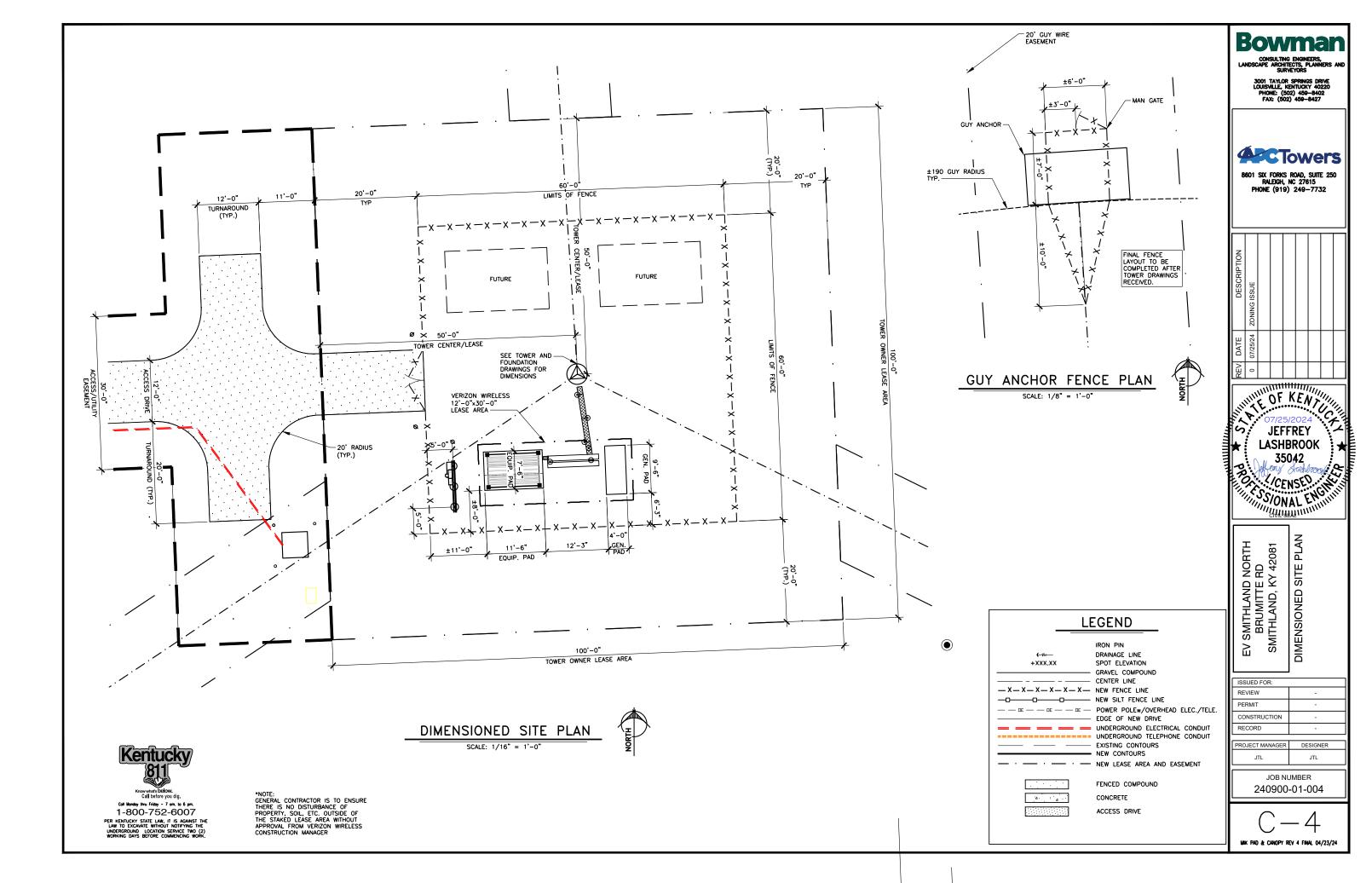
PROJECT MANAGER	DESIGNER
JTL	JTL

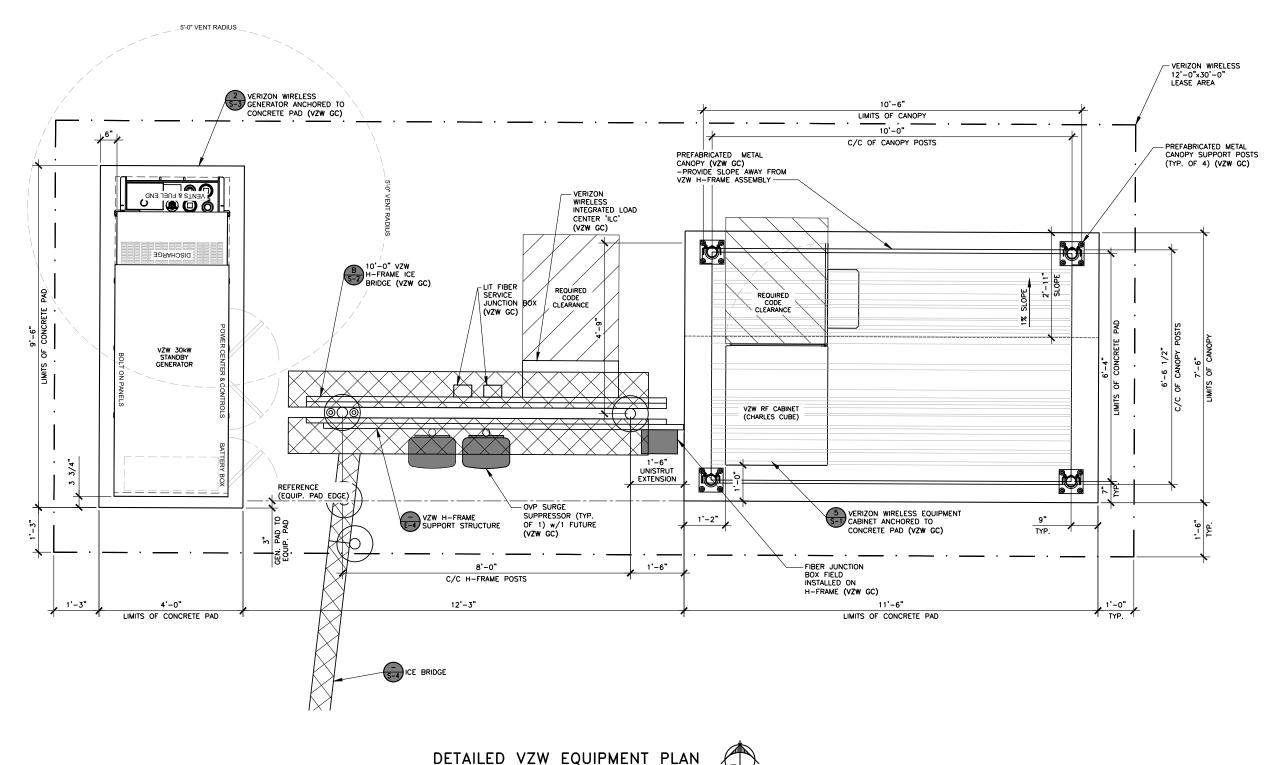
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ROJECT MANAGER	DESIGNER





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EV SMITHLAND NORTH
BRUMITTE RD
SMITHLAND, KY 42081
DETAILED EQUIPMENT PAD
PLAN

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ı	ISSUED FOR:	
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	DRO JECT MANAGER	DESIGNED

PROJECT MANAGER DESIGNER

JTL JTL

JOB NUMBER 240900-01-004



Knowwhats below.
Call before you dig.
Call Monday thru Friday - 7 am. to 6 pm.
1-800-752-6007
PER KENTUCKY STATE LAW, IT IS AGAMST THE
LAW TO EXCANATE WITHOUT NOTIFYING THE
UNDERGROUND LOCATION SERVICE TWO (2)
WORKING DAYS BEFORE COMMENCING WORK

Kentucky

*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 SCH. 40 GATE FRAME

10'-0"

GATES -

MIN. 4 FASTENERS

SCALE: N.T.S.

2 3/8" O.D. SCH 40 LINE POST (TYP) —

CHAIN LINK FENCING NOTES

3 ROWS GALVANIZED BARBED WIRE

1 5/8" O.D. SCH 40 TOP RAIL & BRACE

3 1/2" O.D. SCH 40 GATE

POST (TYP.)

2" GALV. MESH 9 GA. FABRIC (TYP)

3/8" DIA. TRUSS

BOTTOM TENSION WIRE 7 GA. – ALUMINIZED COIL

GATE POST FOOTING

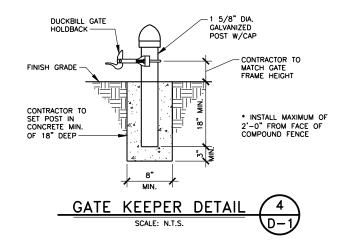
18" DIA. x 3'-6" MIN. (TYP. @ GATE

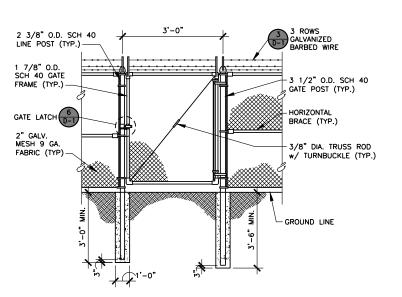
POSTS ONLY)

STRETCHER

BARS (TYP.)

- 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.
- $\underline{\mathbf{3}}$. 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. ${\bf 8.}$ CONTRACTOR SHALL ENSURE ALL POSTS ARE PLUMB.
- 9 ALL FENCE SHALL BE FARRICATED AND INSTALLED PER ASTM F2611-15 ASTM F567-140 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.





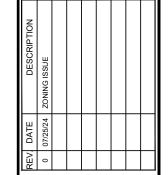




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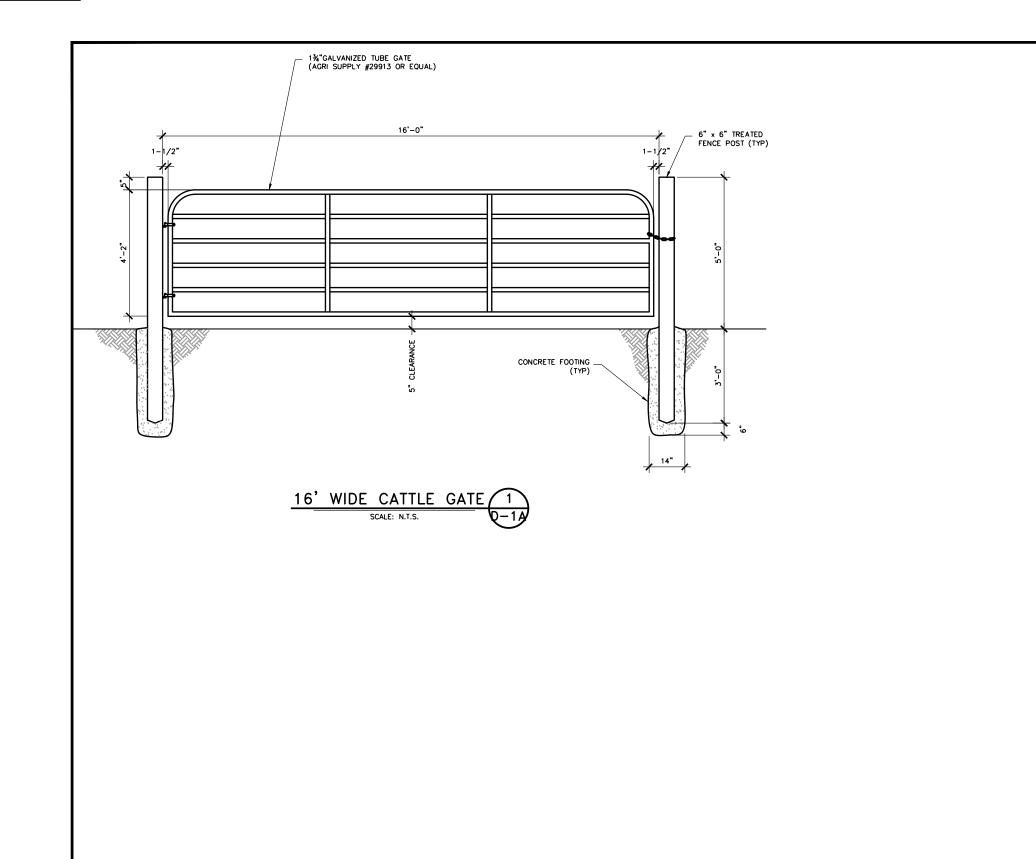
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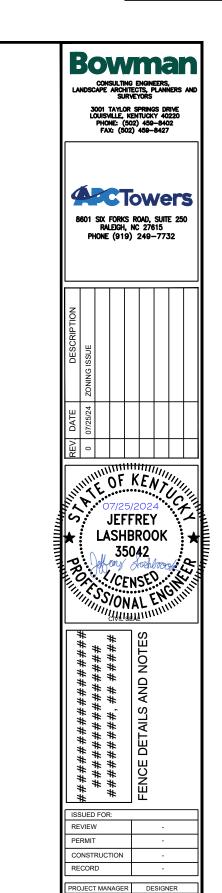
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JTL JTL

> JOB NUMBER 240900-01-004

MIK PAD & CANOPY REV 4 FINAL 04/23/24





JTL

JTL

JOB NUMBER 240900-01-004

MIK PAD & CANOPY REV 4 FINAL 04/23/24

STANDARD SITE SIGNAGE:

_	REQUIRED SIGNS:	LOCATIONS:
(C1)	N.O.C. "IN CASE OF EMERGENCY"	FRONT ACCESS DOOR OF CABINET
(C2)	NOTICE (CONTACT INFO)	(SEE FIGURE 1)
© 3	COMBINATION WARNING (SEE NOTE 2)	FRONT ACCESS DOOR OF EACH CABINET WITH BATTERIES
(C4)	COMBINATION WARNING (SEE NOTE 2)	(SEE FIGURE 1)
(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.
- 2. CONTRACTOR SHALL INSTALL SIGN C3 $\underline{\text{OR}}$ C4 BASED ON THE TYPE OF BATTERY THAT IS BEING INSTALLED.







To obtain a Chemical Safety Data Sheet (SDS) report a safety issue, call the Verizon 24 hour Hotline 1-800-386-9639





NO SMOKING







FRONT REAR FIGURE 1 - EQUIPMENT CABINET SIGNAGE

SIGNANGE FOR SITES **OWNED BY APC TOWERS:**

_	REQUIRED SIGNS:	LOCATIONS:
(S1)	NOTICE "ENVIRONMENT GUIDELINES"	INSTALL ON
(S2)	APC STANDARD TOWER SIGNAGE	COMPOUND FENCE
(A1)	TEMPORARY/PERMANENT A.S.R.	INSTALL AT DRIVEWAY
(A1)	PERMANENT A.S.R.	INSTALL AT TOWER
(A1)	PERMANENT A.S.R.	INSTALL AT FENCE
(A1)	PERMANENT A.S.R.	INSTALL AT GATE/POST

-A.S.R. STANDS FOR "ANTENNA STRUCTURE REGISTRATION"

NOTES:

- CONTRACTOR SHALL VERIFY IF A.S.R. SIGNAGE IS REQUIRED WITH THE APC TOWERS CONSTRUCTION MANAGER PRIOR TO SIGNAGE INSTALLATION.
- 2. A.S.R. SIGNAGE TO BE INSTALLED AT A MINIMUM OF TWO LOCATIONS AS
 - ALWAYS ON THE TOWER
 - ALWAYS ON THE FENCE
 - 1) ALWAIS ON THE FENCE.
 1) ON THE DRIVEWAY ENTRANCE GATE OR STANDALONE POST <u>IF</u> THE .S.R. SIGN ON THE COMPOUND FENCE CANNOT BE READ FROM THE
- 3. IF NO ENTRANCE GATE IS PROPOSED, A.S.R. SIGN SHALL BE INSTALLED ON 4" DIAMETER STEEL POST AT 42" ABOVE EX. GRADE.

SIGNAGE FOR EACH GENERATOR FUEL TYPE:

DIESEL GENERATOR

	REQUIRED SIGNS:	LOCATIONS:
(D1)	"DANGER DIESEL FUEL"	INSTALL ON
(D2)	HAZARD DIAMOND	GENERATOR
(D3)	NOTICE SIGN	(SEE FIGURE 6)
(D4)	FUEL TANK CAPACITY	INSTALL ON FUEL TANK

(D2)

*SIGNS D1 AND D2 MAY BE COMBINED TO A SINGLE SIGN



(D1)



(D3)

92 GALLON DIESEL **FUEL** ONLY

(D4)



FIGURE 6 - DIESEL GENERATOR SIGNAGE

FIGURE 5 - EME SIGN



FIGURE 3 - TOWER A.S.R. SIGN



FIGURE 1 - ENVIRONMENT GUIDELINES



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



FIGURE 6 - DRIVEWAY A.S.R. SIGN

(E4)

INFORMATION



8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 PHONE (919) 249-7732

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EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081

ISSUED FOR:

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RECORD	-
PROJECT MANAGER	DESIGNER

VERIZON WIRELESS SIGNAGE (REFERENCE ONLY)

JTL	JTL
JOB NI	JMBER

E.M.E. SIGNAGE NOTES:

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











(E3)

This is an ACCESS POINT to an

(B1)

240900-01-004

MIK PAD & CANOPY REV 4 FINAL 04/23/24

(C5)







ر-(S2)

FCC ASR:

LEASING/EMERGENCY CONTACT: (800) 640-1379

www.apctowers.com

PRIVATE PROPERTY - NO TRESPASSING

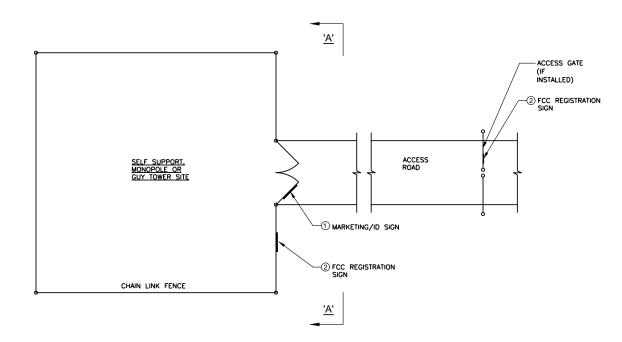
FIGURE 2 - APC TOWERS SITE FENCE SIGNAGE

VZW GC SHALL VERIFY WITH THE VERIZON CONSTRUCTION MANAGER IF ANY E.M.E. SIGNAGE

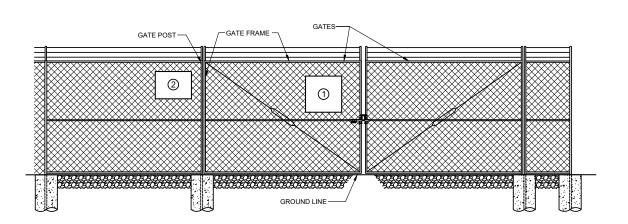
FIGURE 9 - TYPICAL E.M.E. SIGNAGE

NOTES:

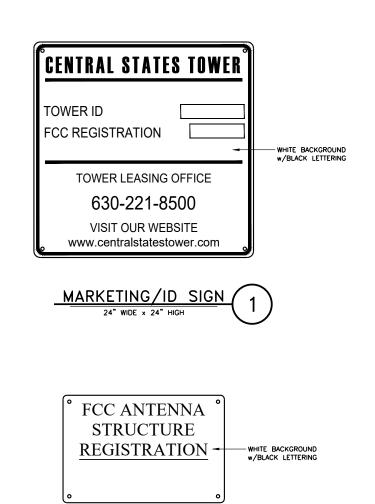
VERIZON WIRELESS SITE ID SIGN, RFE SIGNS, NOC INFORMATION SIGN AND ALL OTHER SIGNAGE NOT REFERENCED IN THIS DRAWING WILL BE FURNISHED AND INSTALLED BY VERIZON WIRELESS PERSONELL PER VERIZON WIRELESS RFC SIGNAGE & DEMARCATION POLICY.



TYPICAL SITE FENCE SIGNAGE PLAN

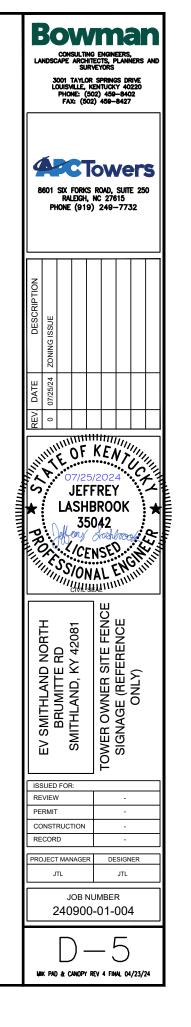


ELEVATION "A-A"



PLACE HOLDER
EXAMPLE OF BTS
SIGNAGE SUPPLIED BY
TOWER OWNER

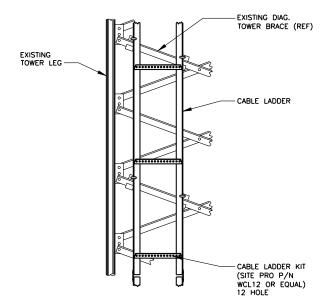
FCC REGISTRATION SIGN



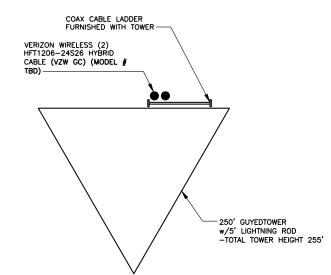
NOTE:

1. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY VERIZON LEGAL BUSINESS ENTITY d/b/o 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

Bowmar consulting engineers.

LANDSCAPE ARCHITECTS, PLANNERS SURVEYORS 3001 TAYLOR SPRINGS DRIVE

ACTowers

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EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 TOWER ELEVATION

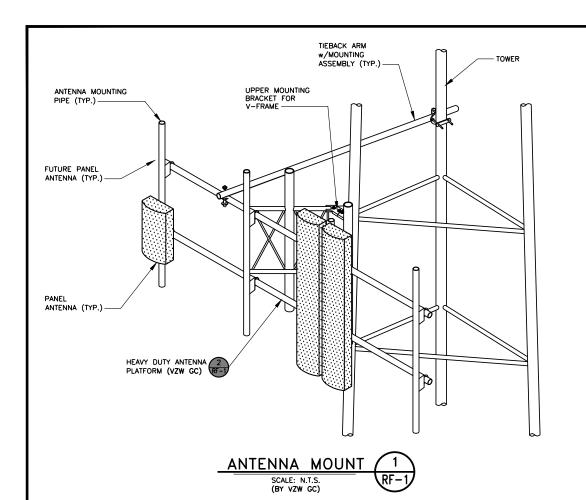
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PROJECT MANAGER DESIGNER

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JOB NUMBER 240900-01-004

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ANTENNA AND HYBRID CABLES

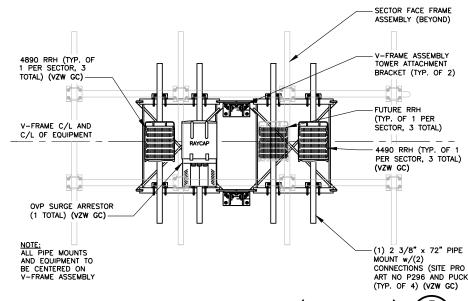
STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE INSTALLATION OF THE CABLES.

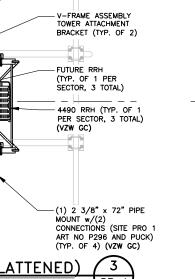
-12 GA. STEEL CHANNEL 4'-0" CONTRACTOR MAY SUBSTITUTE AN ALTERNATE METHOD TO SUPPORT THE HYBRID CABLES, BUT SHALL SUBMIT DETAILING OF THE ALTERNATE METHOD TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PROCEEDING WITH THE 4'-0" LONG @ 4'-0" O.C. MAX. (8 LINE) 1 1000 000 1000f HYBRID CABLE (TYP.) -3/8" DIA. U-BOLT WITH NUTS (TYP. OF 2 PER CHANNEL) BUNDLED CABLES. TOWER DIAGONAL MEMBER

HYBRID CABLE SUPPORT DETAIL

GENERAL NOTES:

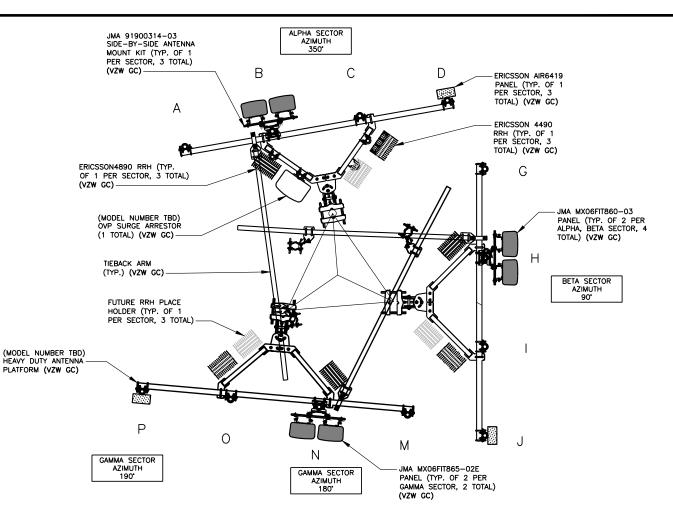
- VERIFY EACH HYBRID CABLE LENGTH, DIAMETER, ROUTING, AND ALL MOUNTING APPURTENANCES WITH OWNER PRIOR TO ORDER.
- 2. THE MAXIMUM HYBRID CABLE LENGTH HAS BEEN ESTIMATED AT ___ FEET, APPROXIMATELY.
 ACTUAL ANTENNA CABLE LENGTH MAY VARY FROM
 ESTIMATED MAXIMUM LENGTH AND MUST BE
- 3. TAG ALL MAIN CABLES AT TWO (2) LOCATIONS. 1) AT ANTENNAS 2) OUTSIDE EQUIPMENT CABINET NEAR THE WAVEGUIDE ENTRY PORT.
- EACH CABLE SHALL BE GROUNDED AT (3) THREE LOCATIONS. ANTENNA LEVEL ON TOWER, TOWER BASE, AND EQUIPMENT H-FRAME.
- HYBRID CABLES TO BE SUPPORTED EVERY 36"
 OFF MOUNTING FRAMES WITH STAINLESS STEEL
- JUMPER CABLES TO BE SUPPORTED EVERY 18" WITH STAINLESS STEEL HANGERS.





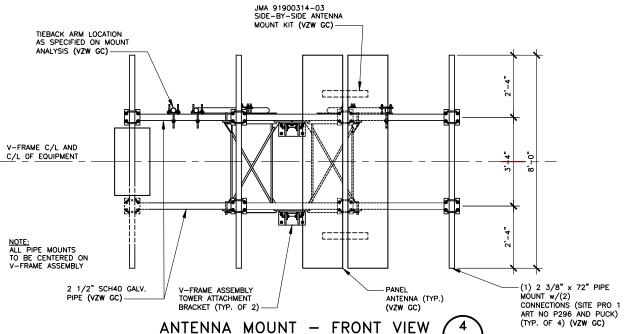
ANTENNA MOUNT - REAR VIEW (FLATTENED) SCALE: N.T.S. (BY VZW GC)





NOTE: FINAL ANTENNA LEVEL PLAN AND PASSING MOUNT ANALYSIS MUST MATCH. NOTIFY VZW CONSTRUCTION MANAGER IF DISCREPANCY EXISTS.

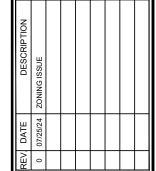
ANTENNA LAYOUT - PLAN VIEW SCALE: N.T.S. (BY VZW GC)



RF-1, SCALE: N.T.S. (BY VZW GC)

Towers

8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 PHONE (919) 249-7732





ANTENNA PLAN AND AILS (REFERENCE ONLY) EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 \equiv

ISSUED FOR REVIEW PERMIT CONSTRUCTION RECORD ROJECT MANAGER DESIGNER JTL

JTL

JOB NUMBER 240900-01-004

MIK PAD & CANOPY REV 4 FINAL 04/23/24



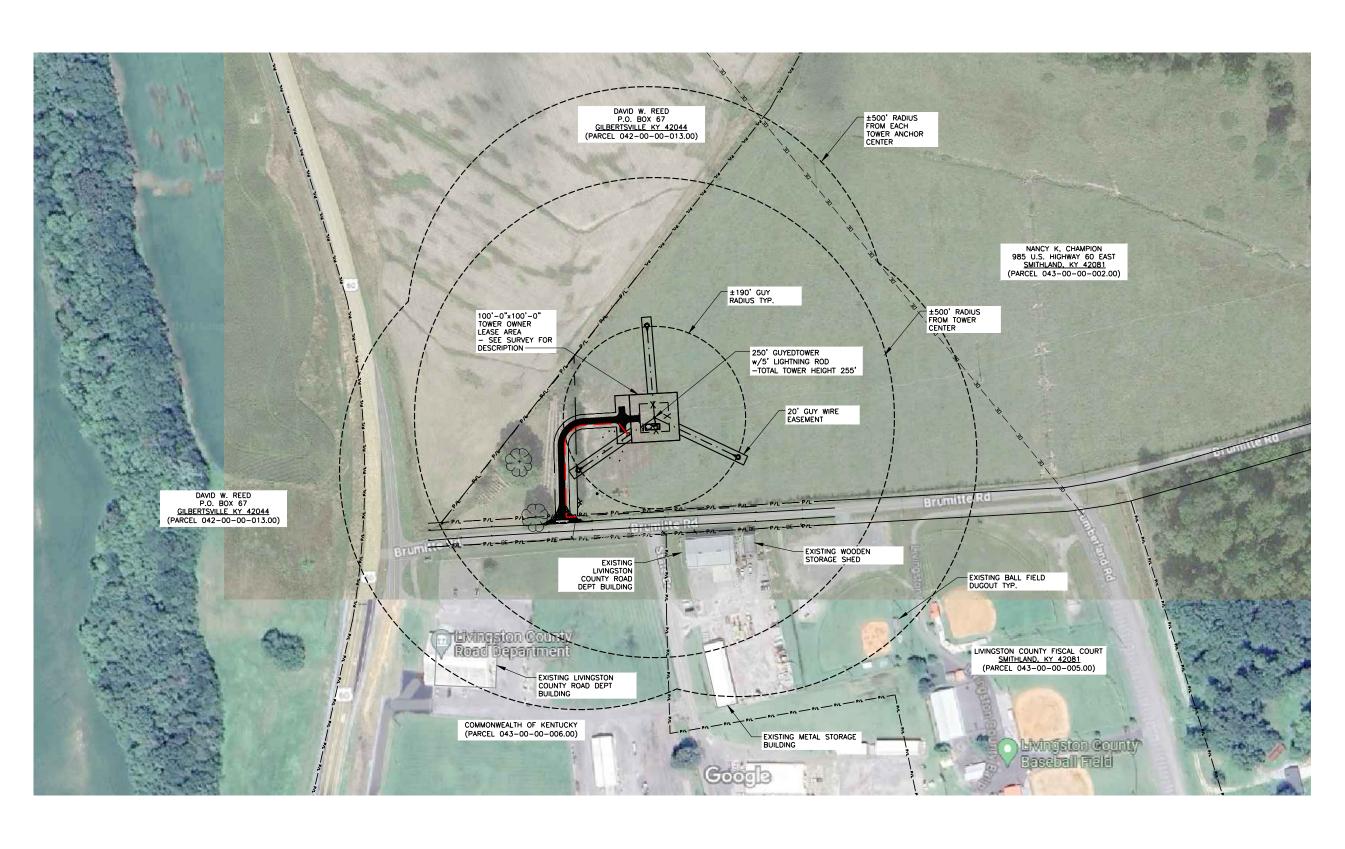
ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-
PROJECT MANAGER	DESIGNER

JTL JOB NUMBER

MIK PAD & CANOPY REV 4 FINAL 04/23/24

GRAPHIC SCALE

100



Bowman

CONSULTING ENGINEERS,
LANDSCAPE ARCHITECTS, PLANNERS AND
SURVEYORS

3001 TAYLOR SPRINGS DRIVE
LOUISVILE, KENTUCKY 40220
PHONE: (502) 459-6402



8601 SIX FORKS ROAD, SUITE 250 RALEIGH, NC 27615 PHONE (919) 249-7732

DESCRIPTION	ZONING ISSUE	ZONING ISSUE	ZONING ISSUE			
EV. DATE	07/25/24	08/26/24	10/21/24			
REV.	0	-	2			



EV SMITHLAND NORTH BRUMITTE RD SMITHLAND, KY 42081 500' RADIUS OWNER/STRUCTURE MAP

ISSUED FOR:	
REVIEW	-
PERMIT	-
CONSTRUCTION	-
RECORD	-

PROJECT MANAGER	DESIGNER
JTL	JTL

JOB NUMBER 240900-01-004



500' RADIUS OWNER/STRUCTURE MAP



EXHIBIT C

CONSTRUCTION MANAGER LETTER LIST OF QUALIFIED PROFESSIONALS TOWER AND FOUNDATION DESIGN



October 3, 2024

Daniel J. Kunz Senior Construction Manager APC Towers, LLC 8601 Six Forks Road, Suite 250 Raleigh, NC 27501 www.apctowers.com

RE:

To Whom It May Concern,

My name is Daniel J. Kunz "Dan". I have been in the wireless industry since 1996. I have built, designed, dismantled, and constructed all phases of wireless tower construction. I have climbed the structures, poured the concrete, ran/pulled electrical conduit and wires.

Please do not hesitate to contact me with any questions that you may have. My contact information can be found below.

Cordially,
Daniel J. Kunz
Senior Project Manager
APC Towers, LLC
dkunz@apctowers.com
D: (919) 249-7732

D: (919) 249-7732 C: (919) 796-7240

EV SMITHLAND NORTH – List of Qualified Professionals

Jeffrey Lashbrook Licensed Professional Engineer License #35042 Bowman 3001 Taylor Springs Drive Louisville, KY 40220

F.V. Neeley Licensed Professional Land Surveyor License #LS-3093 Sharondale Surveying Inc. 161 Martin Road Bon Aqua, TN 37025

Daniel J. Kunz Senior Construction Manager APC Towers, LLC 8601 Six Forks Road, Suite 250 Raleigh, NC 27501

Robert E. Beacom Kentucky Licensed Professional Engineer License #28165 Sabre Industries 7101 Southbridge Drive P.O. Box 658 Sioux City, IA 51102-0658

Brad R. Milanowski Kentucky Licensed Professional Engineer License #25311 B + T GRP 1717 S Boulder Ave #300 Tulsa, OK 74119

Joseph V. Borrelli, Jr., P.E. Kentucky Licensed Professional Engineer License #30809 Delta Oaks Group 4904 Professional Court, Second Floor Raleigh, NC 27609

Sarah C. Russek, P.E. Delta Oaks Group 4904 Professional Court, Second Floor Raleigh, NC 27609



Structural Design Report

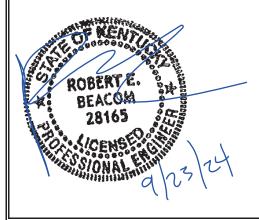
250' 3600SRWD Guyed Tower Site: EV Smithland North, KY Site Number: KY-1789

Prepared for: APC TOWERS by: Sabre Industries TM

Job Number: 549160

September 23, 2024

Tower Profile	1
Line Arrangement	2
Foundation Design Summary	3-4
Maximum Leg Loads and Face Shears	5
Maximum Deflections, Tilts, and Twists	6
Maximum Guy Tensions, Anchor Loads, and Base Loads	7
Calculations	8-29



Designed Appurtenance Loading

Elev	Description	Tx-Line
245	(1) 42,000 Sq. Inches (12,000 lbs) (below top)	(18) 1 5/8"
230	(1) 30,000 Sq. Inches 8,000# (below top)	(12) 1 5/8"
215	(1) 30,000 Sq. Inches 8,000# (below top)	(12) 1 5/8"

Design Criteria - ANSI/TIA-222-H

Wind Speed (No Ice)	106 mph
Wind Speed (Ice)	30 mph
Design Ice Thickness	1.50 in
Risk Category	II
Exposure Category	С
Topographic Factor Procedure	Method 1 (Simplified)
Topographic Category	1
Ground Elevation	346 ft

Base Reactions - Wind/Ice

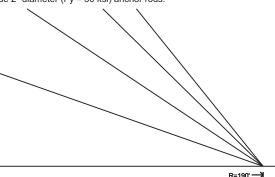
Total Foundat	ion	Guy Anchor		
Axial (kips)	206.77	Max Vertical (kips)	42.59	
Shear (kips)	0.94	Max Horizontal (kips)	43.42	

Guy Tension Chart

Anchor Loc.	Guy Elev.	Guy Radius	Anchor Elev.	Guy Size	I.T. (Lbs.)
	236.7'	190'	0'	3/4 EHS	5830
A	186.7'	190'	0'	1/2 EHS	2690
A	126.7'	190'	0'	3/8 EHS	1540
	66.7'	190'	0'	5/16 EHS	1120
	236.7'	190'	0'	3/4 EHS	5830
В	186.7'	190'	0'	1/2 EHS	2690
	126.7'	190'	0'	3/8 EHS	1540
	66.7'	190'	0'	5/16 EHS	1120
	236.7'	190'	0'	3/4 EHS	5830
С	186.7'	190'	0'	1/2 EHS	2690
	126.7'	190'	0'	3/8 EHS	1540
	66.7'	190'	0'	5/16 EHS	1120

Notes

- 1) The tower model is 3600SRWD.
- 2) Lines are to be attached as shown on the cross-section drawing.
- 3) Guy lengths shown are not cut lengths.
- 4) Azimuths are relative (not based on true north).
- 5) See the Guy Tensions, Anchor Loads and Base Loads page(s) for maximum foundation loads.
- 6) Weights shown are estimates. Final weights may vary.
- 7) All legs are A572 Grade 50.
- 8) All braces are A36.
- This tower design and, if applicable, the foundation design(s) shown on the following page(s) also meet or exceed the requirements of the 2015 International Building Code.
- 10) Tower Rating: 98%
- 11) Use 2" diameter (Fy = 50 ksi) anchor rods.



R=190' →



236.7'
186.7'
126.7'
66.7'

1004

862

1111

862

1060

1012

1060

1012

1012

1281

Panel Count/Height

3race Bolts ace Width 75 @ 3.3333

0.875 S.R.

1.75 S.R.

Welded Sections

0.75 S.R.

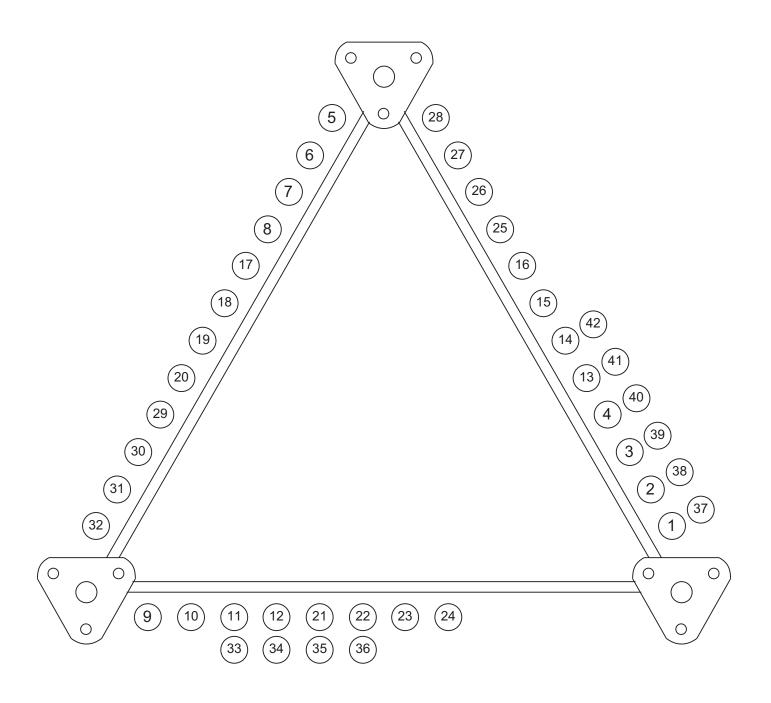
0.875 S.R.

Sabre Industries 7101 Southbridge Drive P.O. Box 658

Sioux City, IA 51102-0658 Phone: (712) 258-6690 Fax: (712) 279-0814

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Job:	549160	
Customer:	APC TOWERS	
Site Name:	EV Smithland North, KY K	Y-1789
Description:	250' 3600SRWD	
Date:	9/23/2024	By: REB



NOTE: THE LINES ARE NUMBERED FROM HIGHEST ELEVATION TO LOWEST ELEVATION



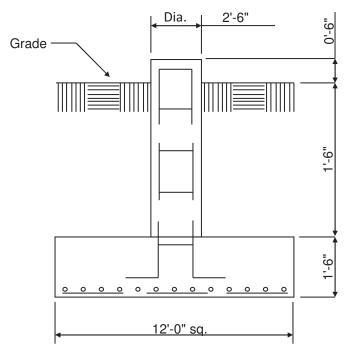


No.: 549160

By: TTW

Customer: APC TOWERS Site: EV Smithland North, KY KY-1789

250' model 3600 SRWD Guyed Tower (36" face)



TOWER BASE

(8.36 Cu. Yds.) (NOT TO SCALE)

Rebar Schedule

Pier (6) #7 vertical rebar w/ #3 ties @12" spacing

Pad (13) #7 horizontal rebar each way, evenly spaced, bottom only

Notes

- 1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
- 2) Rebar to conform to ASTM specification A615 Grade 60.
- 3) All rebar to have a minimum of 3" concrete cover.
- 4) All exposed concrete corners to be chamfered 3/4".
- 5) The foundation design is based on the geotechnical report by Delta Oaks Group, Project No. GEO24-22236-08, dated July 15, 2024.
- 6) See the geotechnical report for compaction requirements, if specified.

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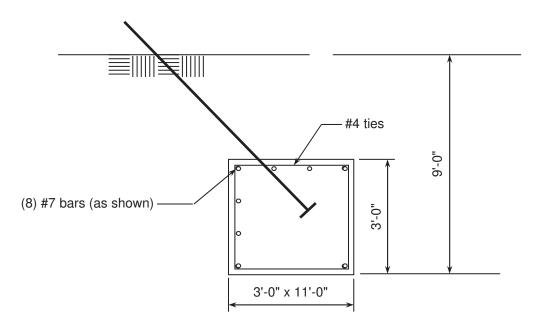


No.: 549160

By: TTW

Customer: APC TOWERS Site: EV Smithland North, KY KY-1789

250' model 3600 SRWD Guyed Tower (36" face)



GUY ANCHOR

(3.67 Cu. Yds. Each) (3 REQUIRED; NOT TO SCALE)

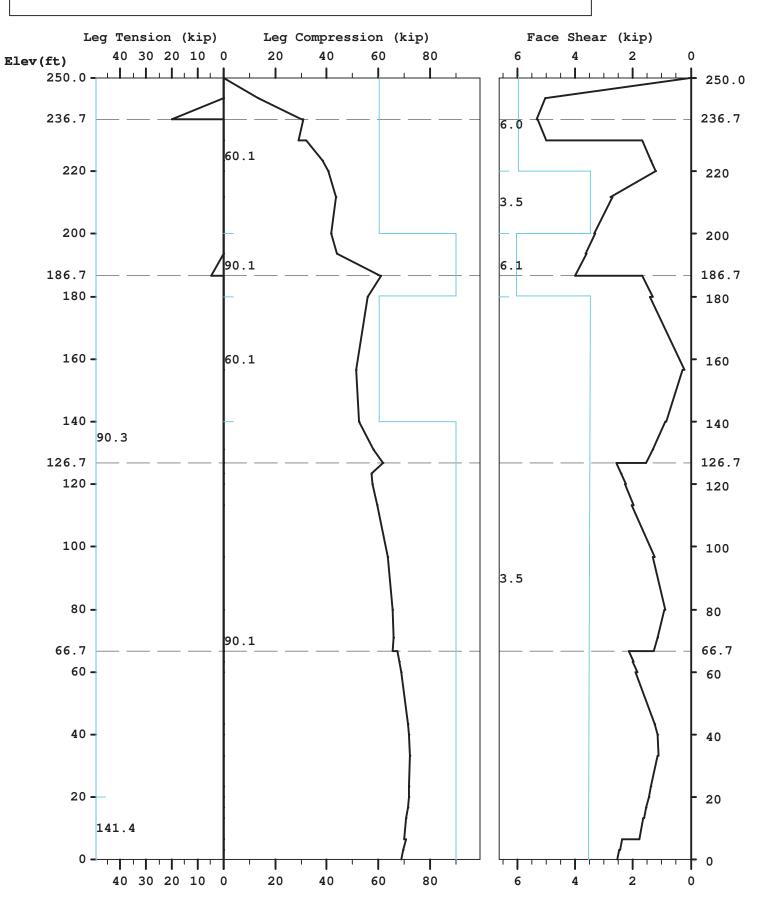
Rebar Schedule Per Anchor		
Guy	(8) #7 horizontal rebar x 10'-6"	
Anchor	(12) #4 ties evenly spaced	

Notes

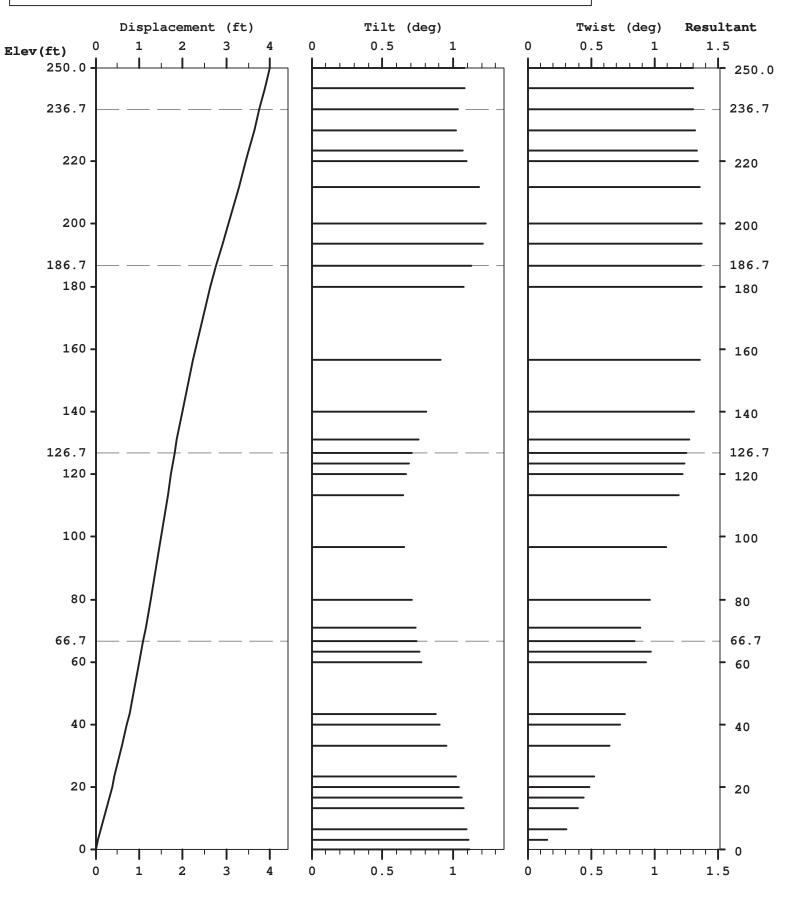
- 1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
- 2) Rebar to conform to ASTM specification A615 Grade 60.
- 3) All rebar to have a minimum of 3" concrete cover.
- 4) The foundation design is based on the geotechnical report by Delta Oaks Group, Project No. GEO24-22236-08, dated July 15, 2024.
- 5) When the soil electrical resistivity is less than 50 ohm-m and/or the measured soil pH values are below 3 or greater than 9, additional corrosion control is required. See the geotechnical report for these parameters and compaction requirements, if specified.

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Maximum



Maximum

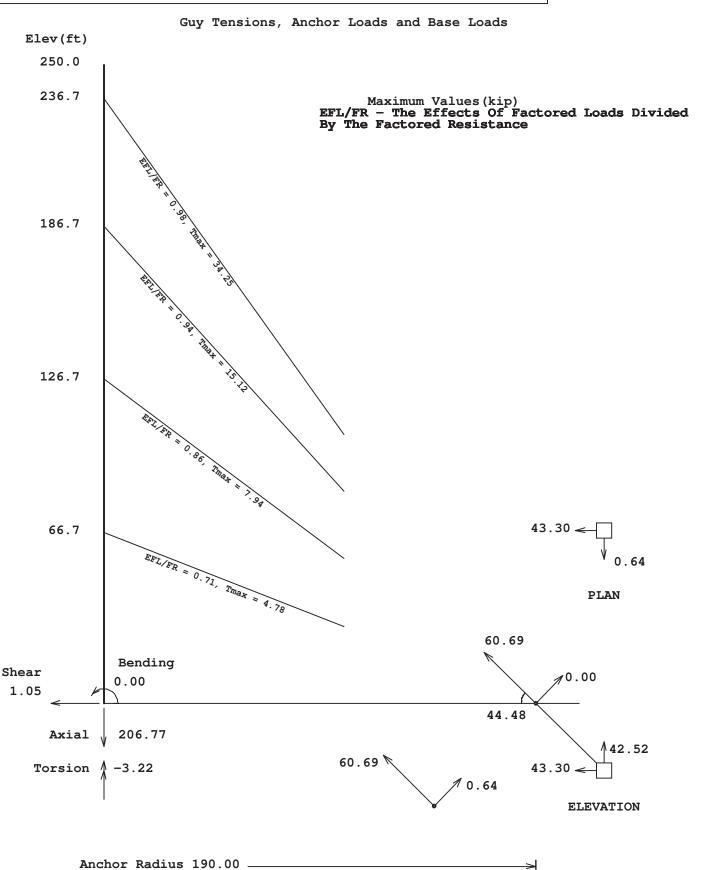


DrawResults (c) Guymast Inc. 2006-2023 Phone: (416) 736-7453

23 sep 2024 9:34:18

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Page 7

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Fax: (416) 736-4372

GUYMAST (USA)-Guyed Tower Analysis

Web:www.guymast.com

Processed under license at:

Sabre Towers and Poles

Tel: (416) 736-7453

on: 23 sep 2024 at: 9:34:18 ______

MAST DATA

UPPER ELEV FT	MAST- TYPE OF WEB	NO OF LEGS	FACE WIDTH FT	GEOM PANEL HEIGHT FT	X-SECTIONE LEG IN.SQ.	ON-AREA ONE DIAG IN.SQ.	BARE WEIGHT K/FT.	ELASTIC MODULUS KIP/IN.SQ	TEMP COEFF /DEG
250.0	4	3	3.000	3.333	2.410	0.790	0.039	29000.0 0.	0000117
220.0	4	3	3.000	3.333	2.410	0.600	0.037	29000.0 0.	0000117
200.0	4	3	3.000	3.333	3.140	0.790	0.047	29000.0 0.	0000117
180.0	4	3	3.000	3.333	2.410	0.600	0.037	29000.0 0.	0000117
140.0	4	3	3.000	3.333	3.140	0.600	0.044	29000.0 0.	0000117
6.7	4	3	2.000	3.333	3.140	0.600	0.045	29000.0 0.	0000117

3.3 4 3 2.000 3.333 3.140 0.600 0.042 29000.0 0.0000117

* If NO OF LEGS is 1 : that part of the mast is assumed to be Cylindrical and : FACE WIDTH = outside diameter PANEL HEIGHT = thickness AREA OF DIAG = Poisson ratio

GUY GEOMETRY

ELEV	GUY AZI	DIAMETER	HEIGHT	RADIUS	MAST ATTACH RADIUS	ATTACH AZI	INITIAL TENSION
FT	DEG	IN.	FT.	FT.	FT.	DEG	KIP
236.7	240.0	0.750	236.7	190.0	1.732	240.0	5.830000
236.7	120.0	0.750	236.7	190.0	1.732	120.0	5.830000
236.7	0.0	0.750	236.7	190.0	1.732	0.0	5.830000
186.7	240.0	0.500	186.7	190.0	1.732	240.0	2.690000
186.7	120.0	0.500	186.7	190.0	1.732	120.0	2.690000
186.7	0.0	0.500	186.7	190.0	1.732	0.0	2.690000
126.7	240.0	0.375	126.7	190.0	1.732	240.0	1.540000
126.7	120.0	0.375	126.7	190.0	1.732	120.0	1.540000
126.7	0.0	0.375	126.7	190.0	1.732	0.0	1.540000
66.7	240.0	0.312	66.7	190.0	1.732	240.0	1.120000
66.7	120.0	0.312	66.7	190.0	1.732	120.0	1.120000
66.7	0.0	0.312	66.7	190.0	1.732	0.0	1.120000

GUY MATERIAL PROPERTIES

ELEV FT	GUY AZI DEG	BREAKING STRENGTH KIP	GUY WEIGHT LBS/FT	GUY AREA IN.SQ	ELASTIC MODULUS KIP/IN.SQ	THERMAL COEFF /DEG	UNSTRESS LENGTH FT
236.7 236.7 236.7 186.7 186.7 186.7	240.0 120.0 0.0 240.0 120.0 0.0 240.0	58.300 58.300 58.300 26.900 26.900 26.900 15.400	1.180 1.180 1.180 0.525 0.525 0.525	0.338 0.338 0.338 0.150 0.150 0.150 0.084	19000.0 19000.0 20000.0 20000.0 20000.0	0.0000117 0.0000117 0.0000117 0.0000117 0.0000117 0.0000117 0.0000117	302.17264 302.17264 264.91232 264.91232

126.7	120.0	15.400	0.270	0.084	21000.0 0.0000117 226.73822
126.7	0.0	15.400	0.270	0.084	21000.0 0.0000117 226.73824
66.7	240.0	11.200	0.222	0.059	21000.0 0.0000117 199.56261
66.7	120.0	11.200	0.222	0.059	21000.0 0.0000117 199.56261
66.7	0.0	11.200	0.222	0.059	21000.0 0.0000117 199.56262

FACTORED LEG AND FACE SHEAR RESISTANCE

BOTTOM	TOP	LEG	FACE	LEG	DIAG	DIAG
ELEV	ELEV	COMP	SHEAR	TENS	COMP	TENS
ft	ft	kip	kip	kip	kip	kip
0.00 20.00 40.00 60.00 80.00 100.00 120.00 140.00 180.00 200.00 220.00 240.00	20.00 40.00 60.00 80.00 100.00 120.00 140.00 160.00 200.00 220.00 240.00 250.00	90.09 90.09 90.09 90.09 90.09 90.09 60.09 60.09 60.09 60.09	3.54 3.54 3.54 3.54 3.54 3.49 3.49 5.96	141.37 90.30 90.30 90.30 90.30 90.30 90.30 90.30 90.30 90.30 90.30	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0

* 12 wind directions were analyzed. Only 2 condition(s) shown in full

LOADING CONDITION A -----

106 mph wind with no ice. Wind Azimuth: 0.

MAST LOADING _____

LOAD TYPE	ELEV FT	. FORCES N	(KIP & E	KIP/FT) DOWN	. MOMENTS (1 N		FT.K/FT) TORSION	ANT-C AZI DEG	RIENT VERT DEG
C C	245.0 230.0 215.0	-7.318 -5.159 -5.086	0.000 0.000 0.000	14.400 9.600 9.600	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.0 0.0 0.0	0.00 0.00 0.00
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	250.0 246.7 246.7 243.3 230.0 220.0 220.0 200.0 180.0 160.0 140.0 140.0 140.0 123.3 100.0 80.0 80.0 63.3 43.3 23.3 23.3	-0.031 -0.031 -0.050 -0.050 -0.069 -0.069 -0.082 -0.081 -0.083 -0.083 -0.079 -0.077 -0.076 -0.077 -0.076 -0.073 -0.073 -0.071 -0.071 -0.066 -0.067 -0.065 -0.060 -0.060 -0.053 -0.054	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.059 0.059 0.071 0.071 0.082 0.097 0.097 0.113 0.121 0.121 0.109 0.109 0.109 0.109 0.118 0.118 0.118 0.118 0.118 0.118	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
D	6.7	-0.047	0.000	0.118	0.00	0.01	0.00		

^{*} Some wind loads may have been derived from full-scale wind tunnel testing

6.7 -0.050 0.000 0.118 0.0 -0.048 0.000 0.115 0.01 0.01 0.00 0.00 0.00 0.00

GUY LOADING

========

WI	ND LOADI	NG	TEMP	.ICE	LOAD	CONV	PROF	ILES.	.LOAD FAC	TORS.
AZI	SPEED	REF	CHANGE	RAD	DENS	TOL	CAB	WIND	WIND DEAD	ICE
		PRESS								
DEG	MPH	PSF	DEG	IN	PCF					

 $0.0 \quad 106.0 \qquad 0.00 \quad 0.00 \quad 0.00 \quad 56.00 \quad 0.0100 \qquad 1 \qquad 4 \quad 1.00 \quad 1.00 \quad 1.00$

CABLE PROFILE: 1 - CATENARY 2 - PARABOLIC

WIND PROFILE: 1 - EIA 222 default

2 - Constant Kz=1, Kiz=1
3 - Step function for Kz, Kiz

(requires definition of Exposure Factor Kz, Kiz table)

4 - Special Factors

0.000

20.0 -0.007 0.000

0.284

0.111

0.06

0.00

0.02

0.00

0.00

0.00

5 - Site specific wind formula, Kiz as EIA 222 default (requires definition of Exposure Factor Qh formula table)

LOADING CONDITION M _____

30 mph wind with 1.5 ice. Wind Azimuth: 0.

MAST LOADING _____

D

LOAD ELEV .FORCES (KIP & KIP/FT) .MOMENTS(FT.K & FT.K/FT) ANT-ORIENT TYPE N E DOWN N E TORSION AZI VERT FТ DEG DEG 0.00 0.00 0.00 0.00 0.00 0.00 С 0.0 0.00 С 0.0 0.00 0.00 С 0.0 0.00 250.0 -0.007 0.000 246.7 -0.007 0.000 246.7 -0.010 0.000 0.152 D -0.01 0.01 0.00 D 0.152 -0.01 0.01 0.00 D 0.203 0.00 0.01 0.00 D 243.3 -0.010 0.000 0.203 0.00 0.01 0.00 D 243.3 -0.013 0.000 0.193 0.00 0.01 0.00 D 240.0 -0.013 0.000 0.193 0.00 0.01 0.00 D 240.0 -0.013 0.000 0.274 0.01 0.02 0.00 D 230.0 -0.013 0.000 0.275 0.01 0.02 0.00 230.0 -0.015 226.7 -0.015 226.7 -0.015 D 0.000 0.283 0.05 0.01 0.00 D 0.000 0.283 0.05 0.01 0.00 D 0.000 0.279 0.03 0.01 0.00 D 223.3 -0.015 0.000 0.279 0.03 0.01 0.00 D 223.3 -0.015 0.000 0.275 0.02 0.01 0.00 D 220.0 -0.015 0.000 0.275 0.02 0.01 0.00 D 220.0 -0.015 0.000 0.297 0.04 0.01 0.00 D 216.7 -0.015 0.000 0.297 0.04 0.01 0.00 D 216.7 -0.015 0.000 0.298 0.07 0.01 0.00 200.0 -0.016 200.0 -0.015 D 0.000 0.308 0.04 0.01 0.00 D 0.000 0.319 0.08 0.02 0.00 D 180.0 -0.015 0.000 0.319 0.08 0.02 0.00 180.0 -0.015 0.000 0.303 0.07 0.02 0.00 D D 160.0 -0.015 0.000 0.302 0.07 0.02 0.00 D 160.0 -0.014 0.000 0.301 0.07 0.02 0.00 D 140.0 -0.014 0.000 0.300 0.07 0.02 0.00 D 140.0 -0.014 0.000 0.309 0.07 0.02 0.00 D 120.0 -0.014 0.000 0.308 0.07 0.02 0.00 D 120.0 -0.013 0.000 0.306 0.07 0.02 0.00 100.0 -0.014 D 0.000 0.306 0.07 0.02 0.00 D 100.0 -0.013 0.000 0.301 0.07 0.02 0.00 D 80.0 -0.013 0.000 0.302 0.07 0.02 0.00 D 80.0 -0.012 0.000 0.297 0.07 0.02 0.00 D 60.0 -0.012 0.000 0.297 0.07 0.02 0.00 D 60.0 -0.011 0.000 0.292 0.06 0.02 0.00 D 40.0 -0.011 0.000 0.292 0.07 0.02 0.00 D 40.0 -0.009 0.000 0.285 0.06 0.02 0.00 20.0 -0.010

D	16.7	-0.007	0.000	0.111	0.00	0.00	0.00
D	16.7	-0.007	0.000	0.140	0.01	0.00	0.00
D	13.3	-0.007	0.000	0.140	0.01	0.00	0.00
D	13.3	-0.007	0.000	0.169	0.02	0.01	0.00
D	10.0	-0.007	0.000	0.169	0.02	0.01	0.00
D	10.0	-0.008	0.000	0.198	0.03	0.01	0.00
D	6.7	-0.008	0.000	0.198	0.03	0.01	0.00
D	6.7	-0.008	0.000	0.225	0.04	0.01	0.00
D	3.3	-0.008	0.000	0.225	0.04	0.01	0.00
D	3.3	-0.008	0.000	0.244	0.05	0.01	0.00
D	0.0	-0.008	0.000	0.244	0.05	0.01	0.00

GUY LOADING ========

.. WIND LOADING ... TEMP AZI SPEED REF CHANGE .ICE LOAD.. RAD DENS CONV PROFILES. .LOAD FACTORS. TOL CAB WIND WIND DEAD ICE PRESS DEG DEG MPH PSF IN PCF

0.0 30.0 0.00 -28.00 1.50 56.00 0.0100 1 4 1.00 1.00 1.00

CABLE PROFILE: 1 - CATENARY 2 - PARABOLIC

WIND PROFILE: 1 - EIA 222 default 2 - Constant Kz=1, Kiz=1 3 - Step function for Kz, Kiz

(requires definition of Exposure Factor Kz, Kiz table)

4 - Special Factors
5 - Site specific wind formula, Kiz as EIA 222 default (requires definition of Exposure Factor Qh formula table)

______ MAXIMUM LEG LOADS AND FACE SHEARS (KIP - stress in KSI) ______

MAST		ма	X LEG LOA	MAX FACE SHEARS				
ELEV	AXIAL			TOTAL		TORSN	BEAM	TOTAL
FT		TENS	COMP	TENS	COMP			
250.00	0 OB	0.0F	0 00		0 OC		0.00	0.00
243.35	12.5Q	5.01	5.0C	0.01	13.3W	0.0B	5.1D	5.0D
213.33	12.5Q	5.01	5.0C	0.01	13.3W	0.0B	-5.1J	5.0L
236.70		25.01					-5.4J	
236.70	21.1S			0.0A			5.6J	
		11.6K	11.51	0.0A	28.9L	0.3н	5.3J	5.0L
230.00		11.6K	11.51	0.0A	32.1L	0.3н	1.8J	1.7A
000 04		18.3K	18.41	0.0A	38.2L	0.2H	1.4J	1.4A
223.34	30.4S	18.3K	18.4I	0.0A	38.2L	0.2Н	1.4J	1.4A
000 00		21.0K	21.31	0.0A	40.7L	0.2Н	-1.2L	1.2A
220.00		21.0K	21.31	0.0A	40.7L	0.2н	-1.2L	1.2A
211.70	39.5S	19.3K	20.11	0.0A	43.4Q	0.1H	2.7D	2.8B
211.70	39.5s	19.3K	20.11	0.0A	43.4Q	0.1H	2.7D	2.7B
200.00	40.7S	2.0B	2.8B	0.0A	41.7P	0.0G	3.3D	3.3D
200.00	40.7S	2.0B	2.8B	0.0A	41.7P	0.0L	3.3D	3.3D
193.78	41.4S	12.2A	15.3C	0.0A	43.9C	-0.1L	3.7D	3.6D
193.78	41.4S	12.2A	15.3C	0.0A	43.9C	-0.1L	3.7D	3.6D
	42.1S	27.6E	31.9C	4.8A	60.8C	0.1B	-4.1J	4.0J

186.70	46.8S	21.8A	25.7C	0 . 0A	60.9C	0.1H	1.7J	1.7J
100 00	47.5S	16.8A	20.4C	0.0A	55.9C	0.0G	1.3J	1.3J
180.00	47.5S	16.8A	20.4C	0.0A	55.9C	0.1F	1.3J	1.4J
156.70	49.8S	9.3B	12.7B	0.0A	51.2P	-0.2H	-0.1S	0.2Н
156.70	49.8S	9.3B	12.7B	0.0A	51.2P	-0.3н	-0.1s	0.3н
140.00	51.5S	12.4B	15.8B	0.0A	52.6C	-0.3н	-0.9F	0.9G
140.00	51.5S	12.4B	15.8B	0.0A	52.6C	-0.4H	-0.9F	0.9G
131.17	52.4S	16.7A	20.8C	0.0A	58.1C	-0.4H	-1.4F	1.3G
131.17	52.4S	16.7A	20.8C	0.0A	58.1C	-0.4H	-1.4F	1.3G
126.70	52.9S	19.9A	24.2C	0.0A	61.7C	-0.5н	-1.6F	1.5G
120.70	55.7S	17.5A	21.6C	0.0A	61.7C	-0.3н	2.2J	2.6н
123.33	56.0s	13.9B	17.1C	0.0A	57.4C	-0.4н	2.1J	2.4H
123.33	56.0s	13.9B	17.1C	0.0A	57.4C	-0.4H	2.1J	2.4H
120.00	56.4S	10.8B	13.9B	0.0A	57.7W	-0.4н	1.9J	2.3Н
120.00	56.4S	10.8B	13.9B	0.0A	57.7W	-0.4H	1.9J	2.3Н
112 22	57.0s	5.3B	8.2B	0.0A	59.7P	-0.4H	1.5J	2.0H
113.33	57.0s	5.3B	8.2B	0.0A	59.7P	-0.5н	1.5J	2.0н
96.70	58.7S	7.1K	6.21	0.0A	63.7Q	-0.6н	0.7J	1.3н
96.70	58.7S	7.1K	6.21	0.0A	63.7Q	-0.7н	0.7J	1.3н
80.00	60.4S	10.1K	7.71	0.0A	65.6Q	-0.7н	0.21	0.9н
80.00	60.4S	10.1K	7.71	0.0A	65.6Q	-0.8н	0.21	0.9н
71.10	61.3S	8.0K	5.11	0.0A	65.7Q	-0.8н	-0.6Ј	1.1H
71.10	61.3S	8.0K	5.11	0.0A	65.7Q	-0.8н	-0.6J	1.2H
66.70	61.7S	6.0K	4.10	0.0A	65.6Q	-0.8H	-0.8J	1.3н
00.70	63.2S	6.9K	4.3Q	0.0A	67.3Q	-0.8н	1.3J	2.1H
63.33	63.5S	9.9K	6.61	0.0A	68.10	-0.8н	1.2J	2.0H
03.33	63.5S	9.9K	6.61	0.0A	68.1Q	-0.8н	1.2J	2.0H
60.00		12.5K	8.91	0.0A	68.9Q	-0.8н	1.0J	1.9н
00.00		12.5K	8.91	0.0A	68.9Q	-0.9н	1.0J	1.9н
43.33	65.5S	20.1K	16.01	0.0A	71.5Q	-1.0н	0.3B	1.3н
43.33		20.1K	16.01	0.0A	71.5Q	-1.0H	0.3B	1.3H
40.00	65.8S	20.6K	16.51	0.0A	71.8Q	-1.0н	0.2B	1.1H
40.00		20.6K	16.51	0.0A	71.8Q	-1.0H	0.2B	1.2H
33.35		20.4K	16.51	0.0A	72.10		0.2K	1.1H
33.33		20.4K	16.51	0.0A	72.10		0.2K	1.1H
22 22		17.5K	14.41	0.0A	71.9Q	-1.1H	0.6K	1.4H
23.33					71.9Q	-1.1H	0.6K	1.4H
20.00	67.7S	15.8K	13.11	0.0A	71.70	-1.1н	0.7K	1.5н
20.00							0.7K	
16.67	67.8S	13.9K	11.51	0.0A	71.20	-1.1H	0.8K	1.5н
10.07								

	67.8S	13.9K	11.51	0.0A	71.2Q	-1.1H	0.8K	1.5н
13.33	68.0s	11.7K	9.71	0.0A	70.8Q	-1.2H	-0.9J	1.6н
13.33	68.0s	11.7K	9.71	0.0A	70.8Q	-1.2H	-0.9J	1.6н
6.67	68.4S	6.4K	5.31	0.0A	69.8Q	-1.2H	-1.1J	1.8Н
0.07	68.4S	9.6K	8.01	0.0A	70.6Q	-1.8н	-1.1J	2.4H
3.33	68.7S	5.0K	4.21	0.0A	69.7Q	-1.8н	-1.2J	2.5H
3.33	68.7S	5.0K	4.21	0.0A	69.7Q	-1.8н	-1.2J	2.5Н
0.00	68.9S	0.0C	0.0C	0.0A	68.9S	-1.9н	-1.4J	2.5H
0.00								

FORCE/RESISTANCE RATIO

	- LEG	COMPRES	SION -	L	EG TENSI	ON	F	ACE SHEA	R
MAST ELEV ft	MAX COMP	COMP RESIST	FORCE/ RESIST RATIO	MAX TENS	TENS RESIST	FORCE/ RESIST RATIO	MAX FACE SHEAR	FACE SHEAR RESIST	FORCE/ RESIST RATIO
250.00 -	0.00 13.26	60.09 60.09	0.00 0.22	0.00 0.04	90.30 90.30	0.00 0.00	0.00 5.05	5.96 5.96	0.00 0.85
243.35 -	13.26 21.82	60.09 60.09	0.22 0.36	0.04 10.05	90.30 90.30	0.00 0.11	5.02 5.18	5.96 5.96	0.84 0.87
240.00 -	21.82 30.26	60.09 60.09	0.36 0.50	10.05 19.92	90.30 90.30	0.11 0.22	5.18 5.34	5.96 5.96	0.87 0.90
236.70 -	30.78 28.93	60.09 60.09	0.51 0.48	0.00	90.30 90.30	0.00	5.32 5.01	5.96 5.96	0.89
230.00 -	32.13 38.20	60.09 60.09	0.53 0.64	0.00	90.30 90.30	0.00	1.68 1.37	5.96 5.96	0.28
220.00 -	38.20 40.71	60.09 60.09	0.64 0.68	0.00 0.00	90.30 90.30	0.00 0.00	1.37 1.21	5.96 5.96	0.23
211.70 -	40.71 43.39	60.09 60.09	0.68 0.72	0.00	90.30 90.30	0.00	1.20 2.77	3.49 3.49	0.34
200.00 -	43.39 41.75	60.09 60.09	0.72 0.69	0.00	90.30 90.30	0.00	2.72 3.34	3.49 3.49	0.78 0.96
193.78 -	41.75 43.95	90.09 90.09	0.46 0.49	0.00	90.30 90.30	0.00	3.31 3.64	6.05 6.05	0.55
186.70 -	43.95 60.78	90.09 90.09	0.49 0.67	0.00 4.80	90.30 90.30	0.00 0.05	3.61 4.00	6.05 6.05	0.60 0.66
180.00 -	60.93 55.91	90.09 90.09	0.68 0.62	0.00	90.30 90.30	0.00	1.68 1.31	6.05 6.05	0.28 0.22
160.00 -	55.91 51.84	60.09 60.09	0.93 0.86	0.00	90.30 90.30	0.00	1.41 0.37	3.49 3.49	0.40 0.11
156.70 -	51.84 51.17	60.09 60.09	0.86 0.85	0.00 0.00	90.30 90.30	0.00	0.37 0.20	3.49 3.49	0.11
140.00 -	51.17 52.64	60.09 60.09	0.85 0.88	0.00 0.00	90.30 90.30	0.00	0.28 0.86	3.49 3.49	0.08 0.25
131.17 -	52.64 58.11	90.09 90.09	0.58 0.65	0.00 0.00	90.30 90.30	0.00	0.87 1.31	3.54 3.54 	0.25 0.37
126.70 -	58.11 61.69	90.09 90.09	0.65 0.68	0.00 0.00	90.30 90.30	0.00	1.32 1.55	3.54 3.54	0.37 0.44
123.33 -	61.72 57.41	90.09 90.09	0.69 0.64	0.00 0.00	90.30 90.30	0.00	2.57 2.40	3.54 3.54 	0.73 0.68
120.00 -	57.41 57.69	90.09 90.09	0.64 0.64	0.00 0.00	90.30 90.30	0.00	2.42 2.26	3.54 3.54 	0.68 0.64
	57.69	90.09	0.64	0.00	90.30	0.00	2.28	3.54	0.65

113.33		90.09	0.66	0.00	90.30	0.00	1.97	3.54	0.56
115.55	59.67	90.09 90.09	0.66	0.00	90.30 90.30	0.00	2.04	3.54 3.54	0.58
100.00				0.00	90.30	0.00	1 41		0 40
96.70				0.00					
80.00	63.71 65.60		0.71 0.73	0.00	90.30 90.30	0.00	1.33 0.87	3.54 3.54	0.38
80.00	65.60 65.71	90.09 90.09	0.73 0.73	0.00	90.30 90.30	0.00	0.90 1.14	3.54 3.54	
71.10	65.71	90.09	0.73	0.00	90.30	0.00	1.16	3.54	0.33
66.70		90.09			90.30	0.00	1.28	3.54	0.36
62 22	68.14	90.09 90.09 	0.76	0.00	90.30 90.30	0.00	1.98	3.54	0.60
	68.14 68.93	90.09 90.09	0.76 0.77	0.00	90.30 90.30	0.00	2.00	3.54	0.56
60.00					90.30 90.30				
43.33									
40.00	71.55 71.81 	90.09 90.09	0.79 0.80	0.00	90.30 90.30	0.00	1.26 1.13	3.54 3.54	0.36 0.32
40.00			0.80	0.00	90.30 90.30	0.00	1.16	3.54	0.33
33.35									
23.33					90.30 90.30				
20.00	71.90 71.69	90.09 90.09	0.80 0.80	0.00	90.30 90.30	0.00	1.38 1.45	3.54 3.54	0.39 0.41
20.00	71.69 71.24	90.09	0.80	0.00	141.37 141.37	0.00	1.46	3.54	0.41
16.67									
13.33					141.37 141.37			3.54	0.46
	70.78 69.78	90.09 90.09	0.79 0.77	0.00	141.37 141.37	0.00 0.00	1.63 1.77	3.54 3.54	0.50
6.67	70.58	90.09	0.78	0.00	141.37 141.37	0.00	2.38	3.54	0.67
3.33	69.00 69.66	90.09 90.09	0.77	0.00	141.37 141.37	0.00	2.45 2.47	3.54 3.54	0.69
0.00	68.92	90.09	0.77	0.00	141.37 141.37	0.00	2.54	3.54	0.72

MAXIMUM MAST DEFORMATION CALCULATED

MAST ELEV FT		DEFLECTION HORIZONTAL EAST		DOWN		.ROTATION: TILT EAST		
250.0 243.4	4.00G 3.87G	-3.42C -3.32C	4.00G 3.87G	0.21S 0.21S	1.07G 1.07G	-0.96D -0.95D	1.08C 1.08C	1.30H 1.30H
236.7	3.75G	-3.21C	3.75G	0.20s	1.02G	-0.91D	1.03C	1.30н
230.0 223.3 220.0 211.7 200.0 193.8	3.63G 3.51G 3.45G 3.29G 3.04G 2.91G	-3.11C -3.00C -2.95C -2.81C 2.60K 2.48K	3.63G 3.51G 3.45G 3.29G 3.04G 2.91G	0.20s 0.19s 0.19s 0.19s 0.19s 0.18s 0.17s	1.01G 1.06G 1.09G 1.17G 1.22G 1.21G	-0.89D -0.94D -0.97D -1.06D -1.10D -1.08D	1.02C 1.07C 1.10C 1.18C 1.23C 1.21C	1.32H 1.33H 1.34H 1.36H 1.37H
186.7	2.76G	2.36K	2.76G	0.178	1.12G	-1.00D	1.13C	1.36H

180.0 156.7 140.0 131.2	2.64G 2.24G 1.98G 1.86G	2.25K 1.91K 1.70K 1.60K	2.64G 2.24G 1.98G 1.86G	0.16S 0.14S 0.12S 0.12S	1.07G 0.91G 0.81G 0.75G	-0.95D -0.78D -0.69C -0.64C	1.07C 0.91G 0.81G 0.75G	1.37H 1.35H 1.31H 1.27H
126.7	1.81G	1.55K	1.81G	0.115	0.71G	-0.60C	0.71G	1.25H
123.3 120.0 113.3 96.7 80.0 71.1	1.77G 1.73G 1.65G 1.46G 1.27G 1.15G	1.52K 1.48K 1.42K 1.26K 1.09K 1.00K	1.77G 1.73G 1.65G 1.46G 1.27K 1.16K	0.11S 0.11S 0.10S 0.09S 0.07S 0.07S	0.68G 0.67G 0.65G 0.65G 0.71G 0.74G	-0.58C -0.56C -0.55C 0.55K 0.60K 0.63K	0.68G 0.67G 0.65G 0.65G 0.71G 0.74G	1.23H 1.22H 1.19H 1.09H 0.96H 0.88H
66.7	1.10G	0.95K	1.10K	0.06S	0.74G	0.64K	0.74G	0.84H
63.3 60.0 43.3 40.0 33.3 23.3 20.0 16.7 13.3 6.7 3.3	1.05G 1.01G 0.77G 0.72G 0.61G 0.44G 0.38G 0.32G 0.25G 0.13G 0.06G 0.00A	0.91K 0.87K 0.67K 0.62K 0.53K 0.38K 0.27K 0.22K 0.11K 0.06K 0.00A	1.05K 1.01K 0.77K 0.72K 0.61K 0.44K 0.38K 0.32K 0.26K 0.13K 0.06K 0.00A	0.06S 0.06S 0.04S 0.04S 0.03S 0.02S 0.02S 0.02S 0.01S 0.01S 0.00S	0.76G 0.78G 0.88G 0.90G 0.95G 1.02G 1.04G 1.06G 1.07G 1.09G 1.11G	0.66K 0.67K 0.76K 0.78K 0.82K 0.88K 0.90K 0.92K 0.93K 0.95K 0.96K	0.76G 0.78G 0.88K 0.90K 0.95K 1.02K 1.04K 1.06K 1.10K 1.11K	0.97H 0.93H 0.76H 0.72H 0.65H 0.53H 0.48H 0.44H 0.40H 0.31H 0.15H

MAXIMUM ANTENNA ROTATIONS

ELEV FT	ORIEN AZI DEG	TATION ELEV DEG	ROLL	BEAM DEFLE YAW	ECTIONS (DEG) PITCH	TOTAL
245.0	0.0	0.0	0.954 D	1.304 н	-1.070 G	1.634 н
230.0	0.0	0.0	0.894 D	1.320 н	-1.010 G	1.617 н
215.0	0.0	0.0	1.022 D	1.354 н	-1.140 G	1.709 н

MAXIMUM INTERNAL MAST FORCES

MAST ELEV FT	TOTAL AXIAL KIP		EAR E - W KIP	MO N - S FT-KIP	MENT E - W FT-KIP	TORSION FT-KIP
	KII	KII	KII	11 1111	11 111	11 1111
250.0	0.00 B	0.00 B	0.00 C	о.оо в	0.00 C	0.00 A
243.4	37.58 Q	7.59 G	-7.60 D	-12.93 G	-12.95 J	-0.05 B
243.4	37.58 Q	7.59 G	7.60 J	-12.93 G	-12.95 J	-0.11 B
	39.13 Q	8.07 G	8.10 J	-65.04 G	-65.15 J	-0.17 B
236.7	* 46.91 C	+ -18.04 G	+ -17.68 J	& 39.50 G	& 39.15 J	-1.09 н
	63.28 S	8.41 A	-8.40 J	26.78 A	-26.33 J	-0.85 н
230.0	65.12 S	7.95 A	-7.89 J	29.87 G	29.32 J	-0.80 н
230.0	89.29 S	2.79 A	-2.73 J	29.87 G	29.32 J	-0.72 н
223.3	91.17 S	2.25 A	-2.15 J	47.05 G	46.40 J	-0.64 Н
223.3	91.17 S	2.25 A	-2.15 J	47.05 G	46.40 J	-0.60 н
	92.08 S	1.98 A	-1.85 J	53.99 G	53.31 J	-0.56 н

220.0	92.08 S	1.98 A	-1.85 J	53.99 G	53.31 J	-0.45 н
					48.87 J	
211.7					48.87 J	
	122.20 S	5.06 G	-5.00 D		7.21 B	-0.11 G
200.0	122.20 S	5.06 G	-5.00 D	-5.96 н	7.21 B	0.09 L
	124.19 S	5.64 G	-5.54 D	-38.70 G	38.93 D	0.15 L
193.8						
					80.72 D	
	*	+	+			
186.7	19.04 K	-9.17 G	-8.82 J	16.04 G	15.58 J	-0.58 н
	140.32 S	-2.72 G	-2.61 J		65.26 D	-0.20 H
180.0		-2.10 G	-2.01 J		52.41 D	-0.13 G
100.0	142.45 S	-2.10 G	-2.01 J	-51.58 G	52.41 D	-0.19 F
150 7					32.19 D	
156.7					32.19 D	
140.0					41.25 D	
140.0	154.51 S	1.40 G	1.33 J	-39.55 G	41.25 D	0.96 н
101.0					53.80 D	1.07 н
131.2			2.04 J		53.80 D	1.12 H
	158.61 S	2.53 G	2.41 J	-61.93 G	62.14 D	1.17 н
126.7						
126.7	* 8.44 W	+ -5.82 G	+ -5.42 J	& 6.94 G	6.51 J	-0.32 H
126.7	8.44 W 167.00 S	-5.82 G -3.61 G	-5.42 J -3.37 J	& 6.94 G 	6.51 J 55.75 D	-0.32 H
126.7	8.44 W 167.00 S 168.04 S	-5.82 G -3.61 G -3.32 G	-3.37 J -3.10 J	6.94 G 	6.51 J 55.75 D 45.29 D	0.89 H 0.93 H
	8.44 W 167.00 S 168.04 S	-3.61 G -3.32 G	-3.37 J -3.10 J	6.94 G -54.99 G -43.47 G	6.51 J 55.75 D 45.29 D	-0.32 H 0.89 H 0.93 H
	8.44 W 167.00 S 168.04 S 	-3.61 G -3.32 G -3.32 G -3.04 G	-3.37 J -3.10 J -3.10 J -2.83 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H	6.51 J 55.75 D 45.29 D 45.29 D 35.67 D	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H
123.3	8.44 W 167.00 S 168.04 S 168.04 S 169.07 S	-3.61 G -3.32 G -3.32 G -3.04 G	-3.37 J -3.10 J -3.10 J -2.83 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H	6.51 J 55.75 D 45.29 D 45.29 D 35.67 D	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H
123.3	8.44 W 167.00 S 168.04 S 	-3.61 G -3.32 G -3.32 G -3.32 G -3.04 G -2.49 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J	6.94 G -54.99 G -43.47 G -34.36 H -19.48 H	6.51 J 55.75 D 45.29 D 45.29 D 35.67 D	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H
123.3	8.44 W 167.00 S 168.04 S 	-3.61 G -3.32 G -3.32 G -3.04 G -3.04 G -2.49 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J	6.94 G -54.99 G -43.47 G -34.36 H -19.48 H	6.51 J 55.75 D 45.29 D 45.29 D 35.67 D 18.75 D	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H
123.3 120.0 113.3	* 8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 176.18 S	-5.82 G -3.61 G -3.32 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G	-5.42 J -3.37 J -3.10 J -2.83 J -2.83 J -2.30 J	6.94 G -54.99 G -43.47 G -34.36 H -19.48 H -19.48 H	6.51 J 55.75 D 45.29 D 35.67 D 35.67 D 18.75 D 18.75 D 16.23 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H
123.3	8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 176.18 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H -19.48 H 17.12 G	6.51 J 55.75 D 45.29 D 35.67 D 35.67 D 18.75 D 18.75 D 16.23 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H
123.3 120.0 113.3 96.7	* 8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 176.18 S 176.18 S 181.21 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A	-5.42 J -3.37 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E	6.94 G -54.99 G -43.47 G -34.36 H -19.48 H 17.12 G 17.12 G 25.00 G	6.51 J 55.75 D 45.29 D 35.67 D 35.67 D 18.75 D 16.23 K 16.23 K 22.93 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H
123.3 120.0 113.3	** 8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 176.18 S 181.21 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H -19.48 H 17.12 G 17.12 G 25.00 G	6.51 J 55.75 D 45.29 D 35.67 D 35.67 D 18.75 D 16.23 K 16.23 K 22.93 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H
123.3 120.0 113.3 96.7	* 8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 176.18 S 181.21 S 183.85 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.34 A	-5.42 J -3.37 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J	6.94 G -54.99 G -43.47 G -34.36 H -19.48 H 17.12 G 17.12 G 25.00 G 19.58 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K 22.93 K 18.04 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 1.99 H
123.3 120.0 113.3 96.7	8.44 W 167.00 S 168.04 S 169.07 S 171.11 S 171.11 S 176.18 S 181.21 S 183.85 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.93 A	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E -0.32 E 0.88 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H 17.12 G 17.12 G 25.00 G 19.58 G	6.51 J 55.75 D 45.29 D 35.67 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 1.90 H
123.3 120.0 113.3 96.7	* 8.44 W 167.00 S 168.04 S 169.07 S 169.07 S 171.11 S 176.18 S 176.18 S 181.21 S 183.85 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.93 A -0.93 A -1.22 A	-5.42 J -3.37 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J 0.88 J 1.19 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H -19.48 H 17.12 G 25.00 G 19.58 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K 22.93 K 18.04 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 1.99 H 2.08 H
123.3 120.0 113.3 96.7 80.0	8.44 W 167.00 S 168.04 S 169.07 S 169.07 S 171.11 S 176.18 S 176.18 S 181.21 S 183.85 S 183.85 S 185.16 S	-5.82 G -3.61 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.93 A -1.22 A	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J 0.88 J 1.19 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H 17.12 G 17.12 G 25.00 G 19.58 G 19.58 G 14.53 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 22.93 K 22.93 K 18.04 K 18.04 K 13.55 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 1.99 H 2.08 H 2.13 H
123.3 120.0 113.3 96.7 80.0	* 8.44 W 167.00 S 168.04 S 169.07 S 169.07 S 171.11 S 176.18 S 181.21 S 183.85 S 183.85 S 185.16 S	-5.82 G -3.61 G -3.32 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.34 A -0.93 A -1.22 A -3.87 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J 0.88 J 1.19 J -3.70 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H 17.12 G 17.12 G 25.00 G 19.58 G 19.58 G 14.53 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 22.93 K 22.93 K 18.04 K 18.04 K 13.55 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 2.08 H 2.13 H 2.17 H
123.3 120.0 113.3 96.7 80.0	** 8.44 W 167.00 S 168.04 S 168.04 S 169.07 S 171.11 S 176.18 S 181.21 S 183.85 S 185.16 S 4.49 W 189.63 S	-5.82 G -3.61 G -3.32 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.93 A -0.93 A -1.22 A -3.87 G -1.99 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E -0.32 E 0.88 J 1.19 J -3.70 J -2.00 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H -19.48 H 17.12 G 25.00 G 19.58 G 14.53 G 2.43 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K 18.04 K 18.04 K 13.55 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 1.99 H 2.08 H 2.13 H 2.17 H
123.3 120.0 113.3 96.7 80.0	* 8.44 W 167.00 S 168.04 S 169.07 S 169.07 S 171.11 S 176.18 S 176.18 S 181.21 S 183.85 S 183.85 S 183.85 S 183.85 S 185.16 S	-5.82 G -3.61 G -3.32 G -3.32 G -3.04 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.34 A -0.93 A -1.22 A -3.87 G -1.99 G -1.73 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J 0.88 J 1.19 J -3.70 J -2.00 J -1.76 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H -19.48 H 17.12 G 25.00 G 19.58 G 19.58 G 14.53 G 2.43 G 16.96 G 24.67 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K 18.04 K 18.04 K 13.55 K 2.34 J 15.68 K 22.40 K	0.89 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 2.08 H 2.13 H 2.17 H 0 0.13 H 2.08 H 2.12 H
123.3 120.0 113.3 96.7 80.0 71.1	** 8.44 W 167.00 S 168.04 S 168.04 S 169.07 S 171.11 S 176.18 S 176.18 S 181.21 S 183.85 S 185.16 S 4.49 W 189.63 S 190.62 S 190.62 S	-5.82 G -3.61 G -3.32 G -3.32 G -3.04 G -2.49 G -1.13 G -1.13 G -0.34 A -0.93 A -0.93 A -1.22 A -3.87 G -1.73 G -1.74 G	-5.42 J -3.37 J -3.10 J -3.10 J -2.83 J -2.83 J -2.30 J -1.01 J -1.01 J -0.32 E 0.88 J 0.88 J 1.19 J -3.70 J -2.00 J -1.76 J	6.94 G -54.99 G -43.47 G -43.47 G -34.36 H -19.48 H 17.12 G 25.00 G 19.58 G 14.53 G 24.67 G 24.67 G	6.51 J 55.75 D 45.29 D 35.67 D 18.75 D 18.75 D 16.23 K 16.23 K 22.93 K 18.04 K 18.04 K 13.55 K 2.34 J 15.68 K 22.40 K	-0.32 H 0.89 H 0.93 H 0.97 H 1.01 H 1.09 H 1.16 H 1.35 H 1.54 H 1.72 H 1.90 H 2.08 H 2.13 H 2.17 H -0.13 H 2.08 H 2.12 H

60.0						
	191.61 S	-1.49 G	-1.53 J	31.40 G	28.26 K	2.35 н
43.3		0.39 A			45.40 K	
43.3		0.39 A				
	197.45 S	-0.21 H	0.21 D	52.27 G	46.36 K	2.56 н
40.0	197.45 S	-0.21 H	0.21 D		46.36 K	
	199.34 S	0.31 G	0.29 K	51.81 G	45.88 K	2.68 н
33.3		0.31 G				
	202.19 S	0.93 G	0.82 K	44.58 G	39.35 K	2.85 н
23.3	202.19 S	0.93 G	0.82 K	44.58 G		2.88 н
	203.14 S	1.14 G	1.00 K	40.45 G	35.69 K	2.91 н
20.0	203.14 S	1.13 G	1.00 K			
	203.51 S	1.33 G	1.17 K	35.52 G	31.43 J	2.96 н
16.7	203.51 S	1.33 G	1.17 K		31.43 J	
	203.98 S	1.51 G	1.34 J	29.83 G	26.47 J	3.01 н
13.3	203.98 S	1.51 G	1.35 J	29.83 G	26.47 J	3.06 н
	205.20 S	1.88 G	1.69 J	16.31 G	14.54 J	3.11 н
6.7	205.20 S	1.88 G	1.69 J	16.31 G	14.54 J	3.14 Н
	205.95 S	2.06 G	1.87 J	8.49 G	7.59 J	3.17 н
3.3		2.06 G	1.87 J	8.49 G		3.19 н
		2.25 G		0.00 G		
base						
reaction	206.77 S	1.05 A	U.94 E	U.UU H	0.00 C	-3.22 H

MAXIMUM GUY FORCES AT MAST _____

GUY LEVEL FT	GUY AZI	N KIP	COMPONENTS E KIP	AT MASI DOWN KIP	TOTAL KIP	EFL/FR * RATIO	GUY AN VERT DEG	NGLES HORIZ DEG
236.7	0.0	21.3L	-0.2E	26.9L	34.2L	1.0L	-56.0S	12.2H
	120.0	-10.7F	18.4D	26.8F	34.2F	1.0F	-56.0W	-12.3J
	240.0	-10.7H	-18.4J	26.8H	34.2H	1.0H	-56.00	12.2D
186.7	0.0	10.6L	0.1I	10.6L	15.0L	0.9L	-50.2S	-11.0F
	120.0	-5.3F	9.2F	10.6F	15.1F	0.9F	-50.2W	-11.1J
	240.0	-5.3H	-9.3J	10.7J	15.1J	0.9J	-50.20	11.0D
126.7	0.0	6.5L	0.1I	4.4L	7.9L	0.9L	-40.1S	-10.0F
	120.0	-3.3F	5.7F	4.4F	7.9F	0.9F	-40.3W	-10.0J
	240.0	-3.3J	-5.7J	4.5J	7.9J	0.9J	-40.30	9.9D
66.7	0.0	4.4L	-0.1D	1.7M	4.7L	0.7L	-28.1G	-7.4F
	120.0	-2.2F	3.9F	1.7Q	4.7F	0.7F	-28.2K	-7.5J
	240.0	-2.3J	-3.9J	1.7U	4.8J	0.7J	-28.1C	7.3D

^{*} $\mathtt{EFL/FR}$ = $\mathtt{EFFECTS}$ OF FACTORED LOADS DIVIDED BY THE FACTORED RESISTANCE

MAXIMUM GUY FORCES AT ANCHOR

VERTICAL GUY LOAD & GUY ECCENTRIC MOMENT HORIZONTAL REACTION @ TORSIONAL RESISTANCE

GUY LEVEL FT	GUY AZI	GUY ATT AZI		.COMPONENTS LAT KIP				
236.7	0.0 120.0 240.0	0.0 120.0 240.0	21.5L 21.5F 21.5H	0.3D -0.3B 0.3L	26.3L 26.2F 26.2H	34.0L 33.9F 33.9H	1.0L 1.0F 1.0H	
186.7	0.0 120.0 240.0	0.0 120.0 240.0	10.7L 10.8F 10.8J	-0.2J -0.2B 0.2L	10.4L 10.4F 10.4J	14.9L 15.0F 15.0J	0.9L 0.9F 0.9J	
126.7		0.0 120.0 240.0	6.6L 6.6F 6.6J	-0.1J 0.1H 0.1L	4.3L 4.3F 4.4J	7.9L 7.9F 7.9J	0.9L 0.9F 0.9J	
66.7	0.0 120.0 240.0	0.0 120.0 240.0	4.4L 4.5F 4.5J	-0.1J -0.1B 0.1L	1.5L 1.5F 1.6J	4.7L 4.7F 4.8J	0.7L 0.7F 0.7J	
	ANCHOR							
		ELEV	HORIZ	CHOR LOADS. VERT LA	ATER-	AXIAL . KIP Y		ANGLE RIZ DEG ANE
0.0	190.0	106 7	10.7L 6.6L 4.4L	26.3L 10.4L - 4.3L - 1.5L -	-0.2J -0.1J -0.1J	14.9L 0 7.7L -1 4.3L -2	0.3W -0. 1.5L -0. 2.0L -0.	.2J .1J .1J
								.6J 44.5L
120.0	190.0	186 7	10.8F 6.6F 4.5F	26.2F - 10.4F - 4.3F 1.5F -	-0.2B 0.1H -0.1B	15.0F (7.7F -: 4.3F -:	0.3Q -0. 1.5F 0. 2.0F -0.	. 2B . 1H . 1B
								.6B 44.5F
240.0	190.0	236.7 186.7 126.7 66.7	21.5H 10.8J 6.6J 4.5J	26.2H 10.4J 4.4J 1.6J	0.3L 0.2L 0.1L 0.1L	7.8J -	1.5J 0.	.3L .2L .1L .1L
			43.4J	42.6J	0.6L	60.8J	О.ОН О.	.6L 44.4J
		ON TOWER						
AXIA kip	NO		AST !	TOTAL N	ORTH	MOI EAST ft-kip	TOTAL	TORSIONAL ft-kip
206.765 S		461 0.9 A	9428 1 E	.0843 0.	.0001 H	-0.0002 C	0.0002 C	-3.2175 H

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Sabre Towers and Poles on: 23 sep 2024 at: 9:34:28

250' 3600SRWD / EV Smithland North, KY

60 mph wind with no ice. Wind Azimuth: 0.

MAST LOADING

LOAD TYPE	ELEV FT	. FORCES N	(KIP & E	KIP/FT) DOWN	. MOMENTS (FT.K/FT) TORSION	ANT-C AZI DEG	ORIENT VERT DEG
c c c	245.0 230.0 215.0	-2.345 -1.653 -1.630	0.000 0.000 0.000	12.000 8.000 8.000	0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00	0.0 0.0 0.0	0.00 0.00 0.00
C	215.0 250.0 240.0 230.0 230.0 220.0 220.0 203.3 203.3 200.0 183.3 180.0 160.0 140.0 140.0 130.0 130.0 120.0 120.0 120.0 13	-1.630 -0.010 -0.024 -0.023 -0.032 -0.032 -0.035 -0.032	0.000 0.000	8.000 0.049 0.068 0.068 0.081 0.081 0.090 0.090 0.101 0.101 0.101 0.101 0.091 0.090 0.098 0.098 0.098 0.098 0.098 0.098 0.098 0.098	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.01	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		
D D D D D	43.3 23.3 23.3 6.7 6.7 0.0	-0.025 -0.022 -0.023 -0.020 -0.021 -0.021	0.000 0.000 0.000 0.000 0.000	0.098 0.098 0.098 0.098 0.098	0.00 0.00 0.00 0.00 0.00	0.01 0.01 0.01 0.01 0.01 0.01	0.00 0.00 0.00 0.00 0.00		

GUY LOADING

.. WIND LOADING ... TEMP .ICE LOAD.. CONV PROFILES. .LOAD FACTORS.
AZI SPEED REF CHANGE RAD DENS TOL CAB WIND WIND DEAD ICE
PRESS
DEG MPH PSF DEG IN PCF

^{* 12} wind directions were analyzed. Only 1 condition(s) shown in full

^{*} Some wind loads may have been derived from full-scale wind tunnel testing

 $0.0 \quad 60.0 \quad 0.00 \quad 0.00 \quad 0.00 \quad 56.00 \ 0.0100 \quad 1 \quad \quad 4 \quad 1.00 \ 1.00 \quad 1.00$

CABLE PROFILE: 1 - CATENARY 2 - PARABOLIC

WIND PROFILE: 1 - EIA 222 default 2 - Constant Kz=1, Kiz=1 3 - Step function for Kz, Kiz

- (requires definition of Exposure Factor Kz, Kiz table)
- 4 Special Factors
- 5 Site specific wind formula, Kiz as EIA 222 default (requires definition of Exposure Factor Qh formula table)

______ MAXIMUM LEG LOADS AND FACE SHEARS (KIP - stress in KSI)

MAST		мах	LEG LOADS			мах	FACE SHE	ARS
ELEV FT	AXIAL	BENDI TENS	NG COMP	TOTAL TENS	COMP	TORSN	BEAM	TOTAL
250.00								
	0.0C	0.0J	0.0J	0.0J	0.0Ј	0.0A	0.0J	0.0J
243.35	4.1G	1.61	1.6K	0.0A	5.7G	0.0B	1.6D	1.6D
243.33	4.1G	1.61	1.6K	0.0A	5.7G	0.0B	-1.6J	1.6J
236.70	4.3B	8.11	8.1C	3.81	12.3C	0.0B	-1.7J	1.7J
250.70	9.9C	3.21	3.2K	0.0A	13.1C	0.1H	2.0J	2.0J
230.00	10.0C	4.3C	4.21	0.0A	13.7J	-0.1B	1.9J	1.8J
230.00	12.7C	4.3C	4.21	0.0A	16.3J	-0.1B	0.8J	0.8J
220.00	13.0C	8.1C	7.91	0.0A	20.21	0.0B	0.6J	0.5J
220.00	13.0C	8.1C	7.91	0.0A	20.21	0.0B	0.6J	0.5J
211.70	15.9C	8.1C	7.81	0.0A	23.01	0.0D	-0.8B	0.8B
211.70	15.9C	8.1C	7.81	0.0A	23.01	0.0D	-0.8B	0.7B
202 24	16.1C	4.1J	3.7J	0.0A	19.6J	0.0D	1.0D	0.9B
203.34	16.1C	4.1J	3.7J	0.0A	19.6J	0.0D	1.0D	0.9B
200 00	16.2C	2.4J	2.0J	0.0A	17.9J	-0.1D	1.1D	1.0D
200.00	16.2C	2.4J	2.0J	0.0A	17.9J	-0.1D	1.1D	1.0D
101 54	16.5C	4.4A	4.5G	0.0A	20.9G	-0.1D	1.3D	1.2D
191.54	16.5C	4.4A	4 . 5G	0.0A	20.9G	-0.1D	1.3D	1.2D
106 80	16.7C	8.11	8.1G	0.0A	24.7G	-0.1D	1.4D	1.3D
186.70	19.1C	5.9A	6.0G	0.0A	25.0G	-0.1D	0.8J	0.9J
	19.2C	4.7A	4.8G	0.0A	23.9G	-0.1D	0.7J	0.8J
183.34	19.2C	4.7A	4.8G	0.0A	23.9G	-0.1D	0.7J	0.8J
	19.3C	3.7A	3.7G	0.0A	22.9G	-0.1D	0.6J	0.7J
180.00	19.3C	3.7A	3.7G	0.0A	22.9G	-0.1H	0.6J	0.8J
4=4-1	20.0C	2.5D	1.7D	0.0A	21.4D	-0.2н	0.0K	0.2J
156.70	20.0C	2.5D	1.7D	0.0A	21.4D	-0.2н	0.0K	0.2J
	20.6C	1.8A	1.5G	0.0A	22.0G	-0.3н	0.4D	0.5D
140.00	20.6C	1.8A	1.5G	0.0A	22.0G	-0.3н	0.4D	0.5D

130.67	20.9C	4.3A	3.9G	0.0A	24.6G	-0.3н	0.7D	0.6D
130.07	20.9C	4.3A	3.9G	0.0A	24.6G	-0.3н	0.7D	0.6D
126.70	21.0C	5.6A	5.2G	0.0A	26.0G	-0.3н	0.8D	0.7D
126.70	22.2C	4.6A	4 . 2G	0.0A	26.2G	0.3B	0.9J	1.2J
120.00	22.4C	1.8A	1.3G	0.0A	23.6G	0.3B	0.7Ј	1.0J
120.00	22.4C	1.8A	1.3G	0.0A	23.6G	0.3B	0.7J	1.1J
96.70	23.1C	6.2D	5.3D	0.0A	28.0D	0.4B	-0.2H	0.6Н
96.70	23.1C	6.2D	5.3D	0.0A	28.0D	0.4B	-0.2н	0.6Н
80.00	23.7C	5.7D	4.9D	0.0A	28.2D	0.5B	0.2D	0.6D
80.00	23.7C	5.7D	4.9D	0.0A	28.2D	0.5B	0.2D	0.6D
72.02	23.9C	4.2D	3.4D	0.0A	27.0D	0.5B	0.4D	0.7D
72.02	23.9C	4.2D	3.4D	0.0A	27.0D	0.5B	0.4D	0.7D
66.70	24.1C	2.8D	2.1D	0.0A	25.8D	0.5B	0.5D	0.8D
00.70	24.6C	3.2D	2.5D	0.0A	26.7D	0.5B	0.6J	1.1J
63.33	24.7C	4.3D	3.5D	0.0A	27.9D	0.5B	0.5J	1.0J
03.33	24.7C	4.3D	3.5D	0.0A	27.9D	0.5B	0.5J	1.0J
43.33	25.4C	7.8C	7.1D	0.0A	32.1D	0.6B	0.11	0.7н
43.33	25.4C	7.8C	7.1D	0.0A	32.1D	0.6B	0.11	0.7н
33.35	25.7C	7.8C	7.2D	0.0A	32.5D	0.6B	0.1D	0.6B
33.33	25.7C	7.8C	7.2D	0.0A	32.5D	0.6B	0.1D	0.7B
23.33	26.0C	6.7C	6.2D	0.0A	31.8D	0.6B	0.3D	0.8B
23.33	26.0C	6.7C	6.2D	0.0A	31.8D	0.6B	0.3D	0.8B
6.67	26.6C	2.4C	2.31	0.0A	28.5J	0.7B	0.6D	0.9D
0.07	26.6C	3.7C	3.41	0.0A	29.6J	1.0B	0.6D	1.3B
0.00	26.8C	0.0C	0.0C	0.0A	26.8C	1.0B	0.7D	1.3D
0.00								

FORCE/RESISTANCE RATIO

MAST	- LEG COMPRESSION - FORCE/			L	EG TENSI	ON FORCE/	FACE SHEAR MAX FACE FORCE/			
ELEV ft	MAX COMP	COMP RESIST	RESIST	MAX TENS	TENS RESIST	RESIST RATIO	FACE SHEAR	SHEAR	RESIST RATIO	
250.00 -										
243.35 -	0.00 5.73	60.09 60.09	0.00 0.10	0.00	90.30 90.30	0.00	0.00 1.63	5.96 5.96	0.00 0.27	
	5.73 9.06	60.09 60.09	0.10 0.15	0.00	90.30 90.30	0.00 0.02	1.62 1.67	5.96 5.96	0.27	
240.00 -	9.06 12.34	60.09 60.09	0.15 0.21	1.92 3.82	90.30 90.30	0.02 0.04	1.67 1.73	5.96 5.96	0.28	
	13.10 13.67	60.09 60.09	0.22	0.00	90.30 90.30	0.00	1.95 1.84	5.96 5.96	0.33 0.31	
230.00 -	16.34 20.22	60.09 60.09	0.27 0.34	0.00	90.30 90.30	0.00	0.76 0.53	5.96 5.96	0.13 0.09	
220.00 -	20.22 23.03	60.09 60.09	0.34	0.00	90.30 90.30	0.00	0.55 0.77	3.49 3.49	0.16 0.22	
211.70 -	23.03 19.59	60.09 60.09	0.38	0.00	90.30 90.30	0.00	0.75 0.94	3.49 3.49	0.21 0.27	
203.34 -										

000 00	19.59 17.93	60.09 60.09	0.33 0.30	0.00	90.30 90.30	0.00	0.93 1.02	3.49 3.49	0.27 0.29
200.00	17.93 20.92	90.09 90.09	0.20 0.23	0.00	90.30 90.30	0.00	1.00 1.22	6.05 6.05	0.17 0.20
	20.92 24.75	90.09 90.09	0.23 0.27	0.00	90.30 90.30	0.00	1.21 1.33	6.05 6.05	0.20
	25.02 23.90	90.09 90.09	0.28 0.27	0.00	90.30 90.30	0.00	0.89 0.80	6.05 6.05	0.15 0.13
183.34	23.90 22.93	90.09 90.09	0.27 0.25	0.00	90.30 90.30	0.00	0.81 0.72	6.05 6.05	0.13 0.12
	22.93 21.60	60.09 60.09	0.38 0.36	0.00	90.30 90.30	0.00	0.77 0.28	3.49 3.49	0.22
	21.60 21.39	60.09 60.09	0.36 0.36	0.00	90.30 90.30	0.00	0.28 0.20	3.49 3.49	0.08
156.70	21.39 21.96	60.09 60.09	0.36 0.37	0.00	90.30 90.30	0.00	0.23 0.46	3.49 3.49	0.07 0.13
	21.96 24.60	90.09 90.09	0.24 0.27	0.00	90.30 90.30	0.00	0.48 0.62	3.54 3.54	0.14 0.17
130.67	24.60 26.04	90.09 90.09	0.27 0.29	0.00	90.30 90.30	0.00	0.62 0.68	3.54 3.54	0.18 0.19
	26.17 23.56	90.09 90.09	0.29 0.26	0.00	90.30 90.30	0.00	1.18 1.02	3.54 3.54	0.33
	23.56 27.39	90.09 90.09	0.26 0.30	0.00	90.30 90.30	0.00	1.06 0.63	3.54 3.54	0.30 0.18
	27.39 28.03	90.09 90.09	0.30 0.31	0.00	90.30 90.30	0.00	0.63 0.55	3.54 3.54	0.18 0.16
96.70	28.03 28.18	90.09 90.09	0.31 0.31	0.00	90.30 90.30	0.00	0.59 0.56	3.54 3.54	0.17 0.16
80.00	28.18 27.03	90.09 90.09	0.31 0.30	0.00	90.30 90.30	0.00	0.57 0.67	3.54 3.54	0.16 0.19
72.02	27.03 25.84	90.09 90.09	0.30 0.29	0.00	90.30 90.30	0.00	0.68 0.75	3.54 3.54	0.19 0.21
66.70	26.73 27.90	90.09 90.09	0.30 0.31	0.00	90.30 90.30	0.00	1.06 0.99	3.54 3.54	0.30 0.28
63.33	27.90 28.60	90.09 90.09	0.31 0.32	0.00	90.30 90.30	0.00	1.02 0.96	3.54 3.54	0.29 0.27
60.00	28.60 32.13	90.09	0.32 0.36	0.00	90.30 90.30	0.00	0.96 0.66	3.54 3.54	0.27 0.19
43.33	32.13 32.26	90.09 90.09	0.36 0.36	0.00	90.30 90.30	0.00		3.54 3.54	0.19 0.19
40.00					90.30 90.30				
33.35									
23.33					90.30 90.30				
20.00	31.16	90.09	0.35	0.00	141.37 141.37	0.00	0.82	3.54	0.23
6.67	29.62	90.09	0.33	0.00		0.00	1.28	3.54	0.36
0.00									

MAXIMUM MAST DEFORMATION CALCULATED

MAST	DEFLECTIONS	(FT)	ROTATIONS	(DEG)

ELEV FT	NORTH	HORIZONTAL EAST	TOTAL	DOWN	NORTH	TILT	TOTAL	TWIST	
250.0 243.4	0.73G 0.72G	0.65J 0.64J	0.73G 0.72C	0.04C 0.04C	0.12G 0.12G	0.07K 0.07K	0.12G 0.12G	-0.87B -0.87B	
236.7	0.71G	0.64J	0.71C	0.03C	0.11G	0.06K	0.11G	-0.87B	
230.0 220.0 211.7 203.3 200.0 191.5	0.69G 0.67G 0.65G 0.63G 0.62G 0.59G	0.64J 0.63J 0.62J 0.61J 0.60J 0.58J	0.71C 0.69C 0.68C 0.66C 0.65C 0.62C	0.03C 0.03C 0.03C 0.03C 0.03C 0.03C	0.10G 0.13G 0.17G 0.19G 0.19G 0.19G	0.06K 0.08K 0.11K -0.13C -0.14C	0.10G 0.13G 0.17G 0.19G 0.19G 0.19G	0.88H 0.88H -0.89B -0.88B -0.88B	
186.7	0.57G	0.57J	0.61C	0.03C	0.17G	-0.12C	0.17G	-0.87B	
183.3 180.0 156.7 140.0 130.7	0.56G 0.55G 0.49G 0.45G 0.43G	0.57J 0.56J 0.53J -0.50D -0.48D	0.60C 0.59C 0.54C 0.51C 0.49C	0.03C 0.03C 0.02C 0.02C 0.02C	0.16G 0.16G 0.14G 0.14G 0.13G	-0.11C -0.11C -0.11C -0.11C 0.11J	0.16G 0.16G 0.14G 0.14G 0.13G	-0.87B -0.87B -0.84B -0.80B -0.77B	
126.7	0.42G	-0.47D	0.48D	0.02C	0.12G	-0.10C	0.12G	-0.75B	
120.0 96.7 80.0 72.0	0.41G 0.36G 0.32G 0.30G	-0.46D -0.41D -0.37D -0.35D	0.47D 0.42D 0.37D 0.35D	0.02C 0.02C 0.01C 0.01C	0.11G 0.13G 0.16G 0.17G	-0.10C 0.13J -0.17D -0.19D	0.11C 0.14C 0.18C 0.19C	-0.73B -0.64B -0.56B -0.52B	
66.7	0.28G	-0.33D	0.33D	0.01C	0.17G	-0.19D	0.20D	-0.49B	
63.3 43.3 33.3 23.3 6.7 0.0	0.27G 0.20G 0.16G 0.12G 0.03G 0.00A	-0.32D -0.24D -0.19D -0.14D -0.04D 0.00A	0.32D 0.24D 0.19D 0.14D 0.04D 0.00A	0.01C 0.01C 0.01C 0.00C 0.00C 0.00C	0.18G 0.22G 0.24G 0.27G 0.29G 0.30G	-0.20D -0.25D -0.29D -0.31D -0.35D -0.35D	0.21D 0.26D 0.29D 0.32D 0.35D 0.36D	-0.55B -0.43B -0.37B -0.30B -0.17B 0.00A	
MAXIMUM	ANTENNA	A ROTATIONS							
======									

ELEV FT	ORIEN AZI DEG	TATION ELEV DEG	ROLL	BEAM DEFLE YAW	ECTIONS (DEG) PITCH	TOTAL
245.0	0.0	0.0	-0.074 K	0.874 B	-0.123 G	0.877 н
230.0	0.0	0.0	-0.058 K	0.879 н	-0.105 G	0.880 н
215.0	0.0	0.0	-0.102 K	0.885 н	-0.153 G	0.890 н

MAXIMUM INTERNAL MAST FORCES _____

N - S E - W KIP KIPMOMENT..... TORSION
N - S E - W
FT-KIP FT-KIP FT-KIP MAST TOTAL ELEV AXIAL KIP FT 250.0 0.00 C 0.00 G 0.00 J 0.00 L 0.00 J 0.00 A -4.20 J 12.38 G 2.44 G -2.45 D -4.18 G -0.02 B 243.4 12.38 G 2.44 G 2.45 J -4.18 G -4.20 J --0.04 B

12.81 C -2.59 A 2.62 J 20.88 A -21.07 J

-0.06 B

236.7	* 16.84 C	+ 5.57 A	+ -5.73 J	& -12.64 A	& 12.97 J	0.30 B
	29.65 C	-2.88 G	-3.05 J	-8.34 G	-8.21 J	-0.22 н
				10.63 G	11.87 Ј	0.20 B
230.0	38.11 C	1.06 A	-1.21 J	10.63 G	11.87 J	0.15 B
000 0		0.74 A	-0.84 J		22.40 J	0.09 B
220.0	38.92 C	0.74 A	-0.84 J	-19.87 A	22.40 J	0.05 B
011 -					22.68 J	
211.7	47.61 C	1.17 G	-1.12 D	-19.54 A	22.68 J	0.06 D
202.2					11.73 J	
203.3	48.36 C	1.45 G	-1.47 D	8.95 н	11.73 J	0.13 D
000 0					6.51 J	0.14 D
200.0				4.48 H	6.51 J	0.19 D
101 =					-9.74 I	
191.5	49.51 C	1.86 G	-1.96 D	-11.57 G	-9.74 I	0.26 D
	50.00 C	2.03 G	-2.16 D	-21.10 G	-18.95 J	0.29 D
186.7	* 7.35 C	+ -3.08 G	+ -3.40 J	& 5.49 G	6.05 J	е 0.16 в
					-13.28 I	
					-10.31 I	
183.3			-1.10 J		-10.31 I	
	58.03 C	-0.80 G	-0.96 Ј	-9.59 G	-7.71 I	0.21 D
180.0	58.03 C	-0.80 G		-9.59 G	-7.71 I	0.34 H
					-6.23 D	
156.7	60.14 C	-0.03 G	-0.04 K	2.65 Н	-6.23 D	0.56 н
					-3.27 I	
140.0	61.65 C	-0.54 A	-0.63 D	4.80 A	-3.27 I	0.70 н
		-0.83 A	-0.99 D	11.06 A	-9.22 I	0.75 н
130.7	62.57 C			11.06 A	-9.22 I	0.77 H
	62.96 C	-0.96 A	-1.14 D	14.54 A	-12.52 I	0.79 н
126.7	* 3.53 C	+ 2.13 A	+ -2.53 J	-2.56 A	& 3.03 J	0.09 J
	66.48 C	-1.19 G	-1.36 J	11.98 A	-10.10 I	-0.74 B
100 0					-3.37 I	-0.77 в
120.0	67.14 C	-0.97 G	-1.10 J	4.73 A	-3.37 I	-0.89 B
06.7	69.43 C	-0.26 G			-17.11 D	-1.01 B
96.7	69.43 C	-0.26 G		11.77 H	-17.11 D	-1.09 B
00.0	71.07 C	0.25 н	-0.36 D	11.25 G	-15.84 D	-1.18 B
80.0	71.07 C	0.25 н	-0.36 D	11.25 G	-15.84 D	-1.21 B
70.0		-0.47 A	-0.63 D	8.19 G	-11.53 D	-1.25 B
72.0	71.85 C	-0.47 A	-0.63 D	8.19 G	-11.53 D	-1.28 B
	72.37 C	-0.62 A	-0.81 D	5.12 G	-7.40 D	-1.30 B

66.7	1.50	+ C 1.51		1.87	D	-0.95		-1.17		G
	73.87	C 0.77	A	-0.89	J	6.06	G	-8.57	D	-1.28 B
63.3	74.20	C 0.68	A	-0.77	J	8.71	G	-11.71	D	-1.29 B
63.3	74.20	C 0.68	A	-0.77	J	8.71	G	-11.71	D.	-1.38 B
43.3	76.16	C 0.15	A	-0.15	I	17.66	G	-22.16	D	-1.47 B
43.3	76.16	c 0.15	A	-0.15	ï	17.66	G	-22.16	D.	-1.51 B
22.2	77.14	C 0.11	G	-0.16	D	17.84	G	-22.19	D	-1.55 B
33.3	77.14	c 0.11	G	-0.16	Ď.	17.84	G	-22.19	D.	-1.59 B
02.2	78.12	C 0.34	G	-0.44	D	15.32	G	-18.96	D	-1.63 B
23.3	78.12	C 0.34	G	-0.44	Ď.	15.32	G	-18.96	D.	-1.69 B
6.5	79.76	C 0.70	G	-0.87	D	5.64	G	-6.94	D	-1.75 B
6.7	79.76	C 0.70	G	-0.87	D.	5.64	G	-6.94	D.	-1.77 B
	80.40	C 0.84	G	-1.04	D	0.00	L	0.00	С	-1.79 B
base reaction	80.40	C 0.60	A	0.69	D	0.00	A	0.00	С	1.79 В

* VERTICAL GUY LOAD & GUY ECCENTRIC MOMENT + HORIZONTAL REACTION @ TORSIONAL RESISTANCE

MAXIMUM GUY FORCES AT MAST

GUY LEVEL FT	GUY AZI	N KIP	COMPONENTS E KIP	AT MAST DOWN KIP	TOTAL KIP	EFL/FR * RATIO	GUY AN VERT DEG	GLES HORIZ DEG
236.7	0.0	7.6A	-0.1D	9.8A	12.4A	0.4A	-55.0G	3.2H
	120.0	-3.8E	6.6E	9.8E	12.4E	0.4E	-55.1K	-3.2J
	240.0	-3.8I	-6.6I	9.8I	12.4I	0.4I	-55.1C	3.2D
186.7	0.0	4.1A	0.0D	4.2A	5.9A	0.4A	-48.5G	3.4H
	120.0	-2.2D	3.8D	4.4D	6.2D	0.4D	-48.6K	-3.7J
	240.0	-2.2J	-3.8J	4.4J	6.2J	0.4J	-48.7C	3.7D
126.7	0.0	2.9B	0.0D	2.0B	3.5B	0.4B	-37.9G	2.8H
	120.0	-1.6D	2.7D	2.2D	3.8D	0.4D	-38.2K	-3.2J
	240.0	-1.6J	-2.7J	2.2J	3.9J	0.4J	-38.2C	3.2D
66.7	0.0	2.2B	0.0J	0.8B	2.4B	0.4B	-23.2G	1.5I
	120.0	-1.2D	2.1D	0.9D	2.6D	0.4D	-23.6K	-1.4I
	240.0	-1.2J	-2.1J	0.9J	2.6J	0.4J	-23.6C	1.4E

^{*} $\mathtt{EFL/FR}$ = $\mathtt{EFFECTS}$ OF FACTORED LOADS DIVIDED BY THE FACTORED RESISTANCE

MAXIMUM GUY FORCES AT ANCHOR _____

GUY LEVEL FT	GUY AZI	GUY ATT AZI	C RAD KIP	OMPONENTS LAT KIP	AT ANCHO VERT KIP	OR TOTAL KIP	EFL/FR * RATIO
236.7	0.0	0.0	7.7A	0.1D	9.4A	12.2A	0.3A
	120.0	120.0	7.7E	-0.1B	9.4E	12.1E	0.3E
	240.0	240.0	7.7I	0.1L	9.4I	12.2I	0.3I

186.7	0.0	0.0	4.2A	0.1D	4.0A	5.8A	0.4A
	120.0	120.0	4.4D	-0.1B	4.2D	6.1D	0.4D
	240.0	240.0	4.4J	0.1L	4.2J	6.1J	0.4J
126.7	0.0	0.0	2.9B	0.0D	1.9B	3.5B	0.4B
	120.0	120.0	3.2D	0.0H	2.1D	3.8D	0.4D
	240.0	240.0	3.2J	0.0F	2.1J	3.8J	0.4J
66.7	0.0	0.0	2.2B	0.0D	0.8B	2.4B	0.4B
	120.0	120.0	2.4D	0.0H	0.8D	2.6D	0.4D
	240.0	240.0	2.4J	0.0L	0.8J	2.6J	0.4J
43 V T 141114	ANGUOD	DORDO					

MAXIMUM ANCHOR LOADS

AZI DEG	RADIUS FT	GUY TO ELEV FT		CHOR LOA VERT KIP	LATER-	AXIAL KIP	VERT PLANE	ERAL	ANGLE DEG
0.0	190.0	126.7	4.2A 2.9B	4.0A	0.1D 0.0D	12.1A 5.8A 3.5B 2.1B	-0.6B	0.1D	
			16.9A	16.1A	0.2D	23.3A	0.00	0.2D	43.5A
120.0	190.0	126.7	4.4D 3.2D 2.4D	4.2D 2.1D 0.8D	-0.1B 0.0H 0.0H	12.0E 6.1D 3.8D 2.4D	0.1D -0.6D	-0.1B	
				16.4D		24.1D	0.0F	-0.2B	43.0D
240.0	190.0		4.4J 3.2J	4.2J	0.1L 0.0F	6.1J 3.8J	0.1J -0.6J	0.1L	
			17.6J	16.4J	0.2L	24.1J	0.01	0.2L	43.0J

MAXIMUM LOADS ON TOWER PIER

AXIAL		SHEAR.				ENT	
	NORTH	EAST	TOTAL	NORTH	EAST		TORSIONAL
kip	kip	kip	kip	ft-kip	ft-kip	ft-kip	ft-kip
80.4033 C	0.5963 A	0.6856 D	0.6861 D	0.0001 A	-0.0001 C	0.0001 C	1.7931 B

GUYED TOWER SPREAD FOOTING DESIGN BY SABRE INDUSTRIES

250' 3600 SRWD APC TOWERS EV Smithland North, KY (549160) 2024-09-23 TTW

Factored Axial Load (kips) Factored Shear (kips)	206.77 0.94		
Ultimate Bearing Pressure	2.86	Allowable Bearing Pressure (ksf)	1.43
Bearing Фs	0.6	Safety Factor	2.00
Bearing Design Strength (ksf)	1.716	Maximum Factored Net Soil Bearing Pressure (ksf)	1.54
Diameter of Pier (ft)	2.5	Equivalent Square b (ft)	2.22
Ht. of Pier Above Ground (ft)	0.5		
Depth to Bottom of Slab (ft)	3		
Ht. of Pier Below Ground (ft)	1.5		
Water Table Below Grade (ft)	10		
Width of Pad (ft)	12		
Thickness of Pad (ft)	1.5		
Quantity of Bars in Pad	13		
Bar Diameter in Pad (in)	0.875		
Area of Bars in Pad (in ²)	7.82		
Spacing of Bars in Pad (in)	11.43	Recommended Spacing (in)	6 to 12
Quantity of Bars Pier	6		
Bar Diameter in Pier (in)	0.875		
Area of Bars in Pier (in ²)	3.61	Minimum Pier Area of Steel (in ²)	3.53
Spacing of Bars in Pier (in)	11.72	Recommended Spacing (in)	6 to 12
f'c (ksi)	4.5	, -, -, -,	
fy (ksi)	60		
Unit Wt. of Soil (kcf)	0.11		
Unit Wt. of Concrete (kcf)	0.15		
Volume of Concrete (yd ³)	8.36		
Two-Way Shear Action:			
Average d (in)	14.13		
ϕV_c (kips)	394.0	V _u (kips)	192.3
$\phi V_c = \phi (2 + 4/\beta_c) f'_c^{1/2} b_o d$	591.1		
$\phi V_c = \phi(\alpha_s d/b_o + 2) f'_c^{1/2} b_o d$	598.5		
$\phi V_{c} = \phi \ 4f'_{c}^{1/2}b_{o}d$	394.0		
Shear perimeter, b _o (in)	138.62		
$eta_{ extsf{c}}$	1		
One-Way Shear:			
ϕV_c (kips)	204.7	V _u (kips)	64.7
Flexure:			
ϕM_n (ft-kips)	481.9	M _u (ft-kips)	208.6
a (in)	0.85		
Steel Ratio	0.00384		
β_1	0.83		
Maximum Steel Ratio	0.0197		
Minimum Steel Ratio	0.0018		
Rebar Development in Pad (in)	55.71	Required Development in Pad (in)	12.00
,		· · · · · · · · · · · · · · · · · · ·	
Condition	1 is OK, 0 Fails		
Two-Way Shear Action	1		
One-way Shear	1		
Flexure	1		
Steel Ratio	1		
Pier Area of Steel	1 1		
Maximum Soil Bearing Pressure			
Length of Development in Pad			
Longin of Development in Fau	l l		

GUY ANCHOR BLOCK DESIGN BY SABRE INDUSTRIES

250' 3600 SRWD APC TOWERS EV Smithland North, KY (549160) 2024-09-23 TTW

Anchor Block Dimensions:			
Length (ft)	11]	
Height (ft)	3	Length/Height Ratio	3.7
Width (ft)	3	Length/Width Ratio	3.7
Longitudinal Bar Diameter (in)	0.875	Height/Width Ratio	1.00
Quantity of Bars in Top	4	Width/Height Ratio	1.00
Area of Bars in Top (in ²)	2.41	Vertical Flexure Ratio	0.17
Spacing of Bars in Top (in)	9.38	Horizontal Flexure Ratio	0.17
Quantity of Bars Front	4	Horizontal Force Ratio	0.95
Area of Bars in Front (in ²)	2.41	Vertical Force Ratio	0.69
Spacing of Bars in Front (in)	9.38]	
Quantity of Bars in Bottom	2		
Spacing of Bars in Bottom (in)	28.13	Recommended Spacing (in)	5 to 30
Quantity of Bars in Back	2		
Spacing of Bars in Back (in)	28.13	Recommended Spacing (in)	5 to 30
Quantity of Ties	12		
Tie Bar Diameter (in)	0.5		
Factored Uplift (kips)	42.59	Angle from Horizontal (deg)	44
Factored Horizontal Force (kips)	43.42		
Ultimate Passive Pressure	1.86		
Horizontal Φs	0.75		
Horizontal Design Strength (ksf)	1.39		
Angle of Internal Friction (deg.)	30		
Unit Wt. of Soil (kcf)	0.110		
Water Table Below Grade (ft)	999		
Depth to Bottom of Block (ft)	9		
f'c (ksi)	4.5		
fy (ksi)	60		
Unit Wt. of Concrete (kcf)	0.15		
Volume of Concrete (yd ³)	3.67		
Horizontal Force:			
Factored Horizontal Force (kips)	43.4	Horizontal Design Strength (kips)	45.9
Uplift:			
Wc, Weight of Concrete (kips)	14.9		
W _R , Soil Resistance (kips)	64.3		
Uplift Фs (kips)	0.75		
$(\Phi s)(W_R+W_C)$ (kips)	61.6		
Factored Uplift (kips)	42.6	Uplift Design Strength (kips)	61.6
Vertical Shear:			
V _u (kips)	21.3	φV _n (kips)	165.8
$V_c = 2 f'_c^{1/2} b_w d \text{ (kips)}$	154.9		
$V_c = 2 T_c = B_W G (Rips)$ $V_s (kips)$	66.2	*** $V_s \max = 4 f_c^{1/2} b_w d \text{ (kips)}$	309.7
		$V_{s} \text{ max} = 4 \text{ r}_{c} D_{w} \text{u (kips)}$	309.7
Spacing of Ties (in)	11.41	(Only if Shear Tipe are Beguired)	
Max. Spacing (in)	13.09	(Only if Shear Ties are Required)	

^{***} Ref. To Spacing Requirements ACI 11.5.4.3

GUY ANCHOR BLOCK DESIGN BY SABRE INDUSTRIES (CONTINUED)

250' 3600 SRWD APC TOWERS EV Smithland North, KY (549160) 2024-09-23 TTW

HΛ	rizc	nta	ı Sr	near

V _u (kips)	21.7	φV _n (kips)	165.8
$V_c = 2 f'_c^{1/2} b_w d \text{ (kips)}$	154.9		
V _s (kips)	66.2	*** $V_s max = 4 f'_c^{1/2} b_w d (kips)$	309.7
Spacing of Ties (in)	11.41		
Max. Spacing (in)	13.09	(Only if Shear Ties are Required)	
$(V_u/fV_n)_V + (Vu/fV_n)_H$	0.26		<1 OK

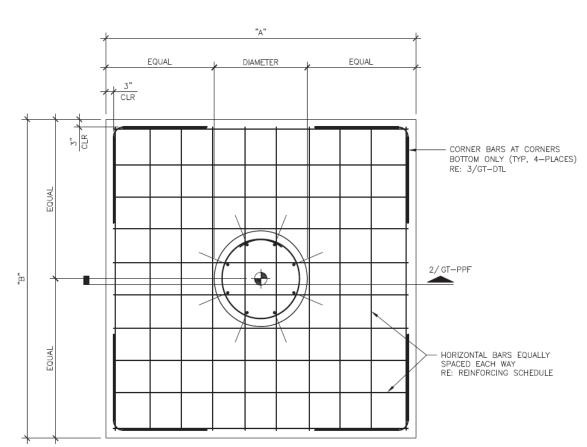
*** Ref. To Spacing Requirements ACI 11.5.4.3

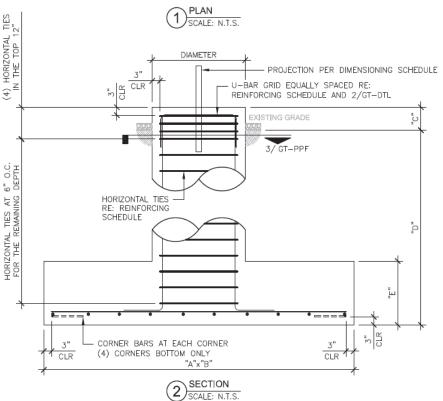
Vertical Flexure:

58.6	φM _n (ft-kips)	341.4
1.05		
0.0021		
0.83		
0.0233		
0.0018		
63.00	Required Rebar Development (in)	2.02
59.7	φM _n (ft-kips)	341.4
1.05		
0.0021		
0.023		
0.0018		
63.00	Required Rebar Development (in)	2.06
0.35	$(M_u/fM_n)_V+(Mu/\phi M_n)_H$	<1 OK
	1.05 0.0021 0.83 0.0233 0.0018 63.00 59.7 1.05 0.0021 0.023 0.0018 63.00	1.05 0.0021 0.83 0.0233 0.0018 63.00 Required Rebar Development (in) 59.7 1.05 0.0021 0.023 0.0018 63.00 Required Rebar Development (in)

Condition	1 is OK, 0 Fails
Uplift Force	1
Horizontal Force	1
Flexure	1
Shear	1
Length of Development in Block	1
Steel Ratio	1

Calculated Strength > Factored Load O.K.





NOTES:

- REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH MINIMUM CLEAR COVER.
- REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AND
 THE ACI 315 (LATEST EDITION).
- 3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.

GEOTECHNICAL PROPERTIES BY: DELTA OAKS GROUP PROJECT NUMBER: GEO24-22236-08

TE: JULY 15, 2024

- THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION
 REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
- 5. CONCRETE VOLUME IN CUBIC YARDS: 9.93
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- . CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- S. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
- 9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- 10. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- 11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

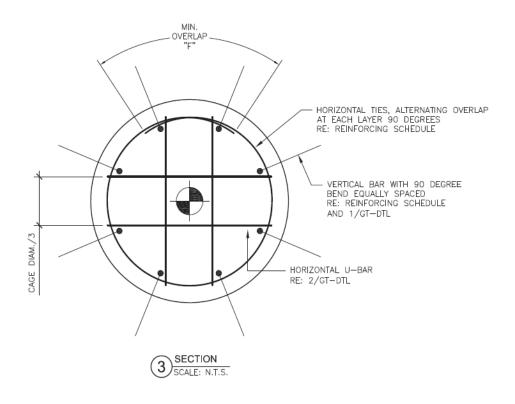
STIPULATION FOR REUSE:

THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

	DIMENSIONING SCHEDULE					
	Α	13' 0"				
	В	13' 0"				
	С	0' 6"				
	D	4' 0"				
	E	1' 6"				
N	IIN. OVERLAP "F"	2' 3"				
	DIAMETER	2' 6"				
С	ENTER PIN PROJ.	REF TO MFG				

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS	# 6	9
HORIZONTAL TIES	# 4	10
U-BAR HORIZONTAL (PEDESTAL)	# 4	4
BOTTOM HORIZONTAL BARS	# 6	28
CORNER BARS	# 4	4

L QTY		BASE REACTIONS: (FACTORED LOADS)			
)		VERTICAL	207	KIPS	
0		HORIZONTAL	1	KIPS	
1					
0	1				





1717 S BOULDER AVE #300, TULSA, OK 74119 (918) 587-4630



601 SIX FORKS RD., STE. 250, RALEIGH, NC 2761

ISSUED FOR:				
REV	V DATE DESCRIPTION			
0	09/30/24	ISSUED FOR CONSTRUCTION		

COA: 4011

EXPIRES: 12/31/2024



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSES PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 173017.001.01.0001 SITE NAME: SMITHLAND NORTH SITE NO: KY-1789

CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: CLINT COODY CHECKED BY: JL

SHEET TITLE:

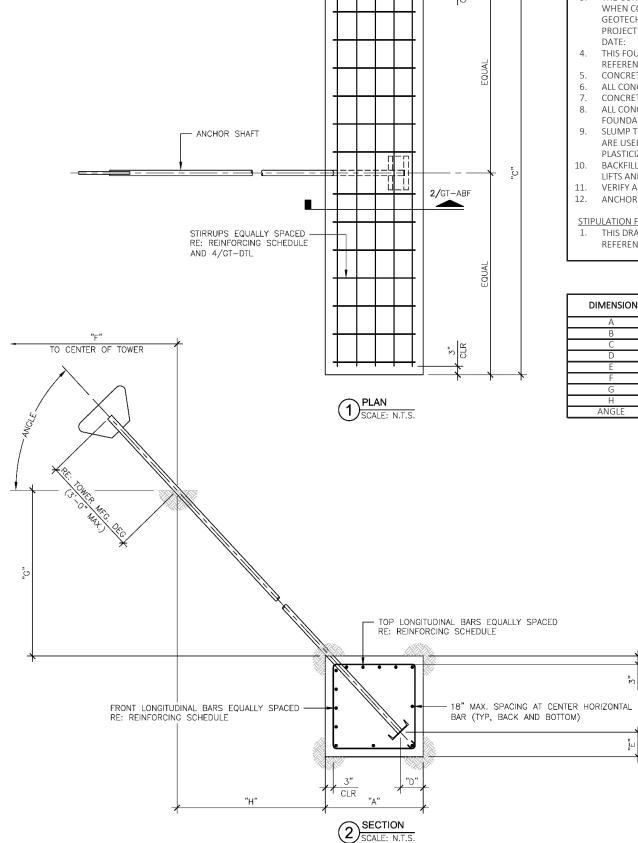
PIER AND PAD FOUNDATION

SHEET NUMBER:

REVISION:

GT-PPF

0



- 1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH
- REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AN THE ACI 315 (LATEST EDITION).
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.

GEOTECHNICAL PROPERTIES BY: DELTA OAKS GROUP PROJECT NUMBER: GEO24-22236-08

JULY 15, 2024

- THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
- CONCRETE VOLUME IN CUBIC YARDS: 2
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
- SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8' LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
- ANCHOR SHAFT: BY TOWER MANUFACTURER

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE		
А	2' 0"	
В	3' 0"	
С	9' 0"	
D	0' 6"	
E	0' 9"	
F	190' 0"	
G	6' 0"	
Н	6' 10-15/16"	
ANGLE	44.4°	

REINFORCING SCHEDULE	SIZE	TOTAL QTY
STIRRUPS	# 4	11
LONGITUDINAL BARS TOP	# 6	3
LONGITUDINAL BARS FRONT		4
LONGITUDINAL BARS BACK	# 6	1
LONGITUDINAL BARS BOTTOM	#6	2
	•	

BASE REACTIONS: (FACTORED LOADS)			
VERTICAL	43	KIPS	
HORIZONTAL	43	KIPS	



1717 S BOULDER AVE #300, TULSA, OK 74119 (918) 587-4630

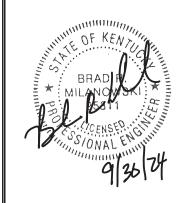


601 SIX FORKS RD., STE. 250, RALEIGH, NC 2761

ISSUED FOR:					
REV	DATE	DESCRIPTION			
0	09/30/24	ISSUED FOR CONSTRUCTION			

COA: 4011

EXPIRES: 12/31/2024



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PROJECT INFORMATION:

PROJECT NO: 173017.001.01.0001 SITE NAME: SMITHLAND NORTH SITE NO: KY-1789

CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: CLINT COODY CHECKED BY: JL

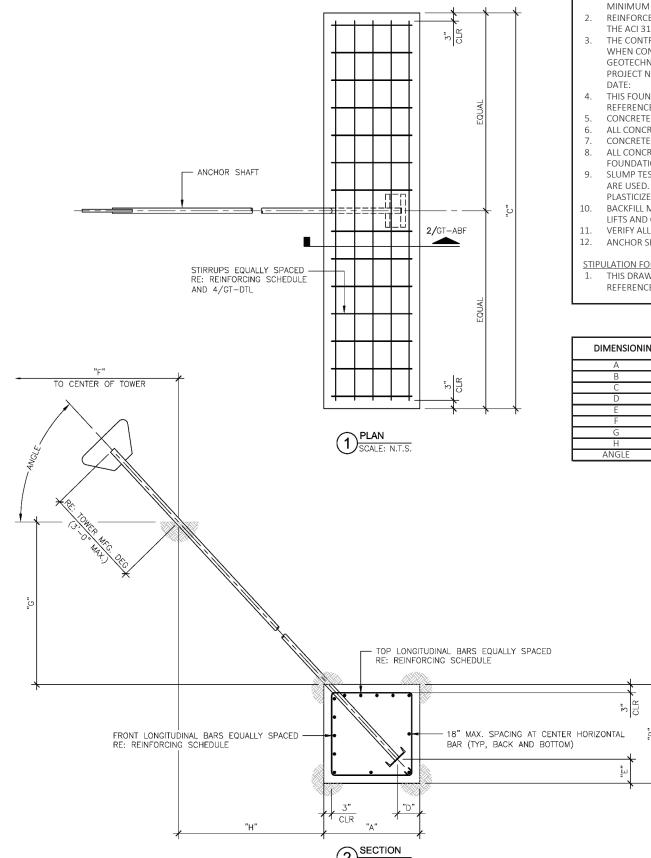
SHEET TITLE:

B2 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

REVISION:

GT-ABF



- 1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH
- REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE AN THE ACI 315 (LATEST EDITION).
- THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.

GEOTECHNICAL PROPERTIES BY: DELTA OAKS GROUP PROJECT NUMBER: GEO24-22236-08

JULY 15, 2024

- THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
- CONCRETE VOLUME IN CUBIC YARDS: 0.59
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
- SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8' LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
- ANCHOR SHAFT: BY TOWER MANUFACTURER

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE			
А	2' 0"		
В	2' 0"		
С	4' 0"		
D	0' 6"		
E	0' 6"		
F	190' 0"		
G	7' 0"		
Н	7' 0"		
ANGLE	45.0°		

REINFORCING SCHEDULE	SIZE	TOTAL QTY
STIRRUPS	# 4	5
LONGITUDINAL BARS TOP	# 6	3
LONGITUDINAL BARS FRONT	#6	3
LONGITUDINAL BARS BACK	#6	1
LONGITUDINAL BARS BOTTOM	#6	2

DACE DEACTIONS: /FA	CTORER	LOADS)
BASE REACTIONS: (FAI	43	IKIPS

43



1717 S BOULDER AVE #300, TULSA, OK 74119 (918) 587-4630



601 SIX FORKS RD., STE. 250, RALEIGH, NC 2761

	ISSUED FOR:			
RI	Ē۷	DATE	DESCRIPTION	
(0 09/30/24		ISSUED FOR CONSTRUCTION	

COA: 4011

EXPIRES: 12/31/2024



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSES PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 173017.001.01.0001 SITE NAME: SMITHLAND NORTH SITE NO: KY-1789

CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: CLINT COODY CHECKED BY: JL

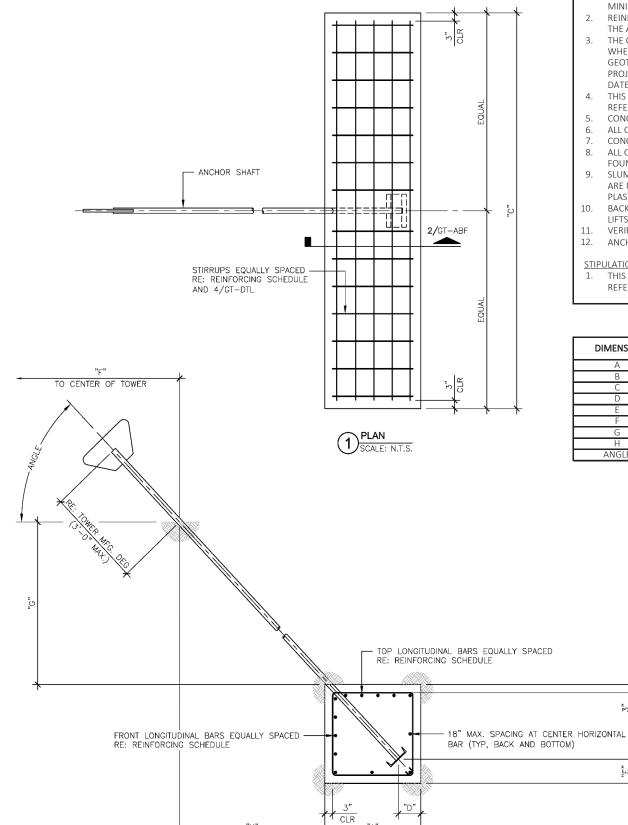
SHEET TITLE:

B3 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

REVISION:

GT-ABF



NOTES:

- REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH MINIMUM CLEAR COVER.
- 2. REINFORCEMENT STEEL SHALL BE DETAILED, FABRICATED, BENT, AND PLACED IN ACCORDANCE WITH THE CRSI MANUAL OF STANDARD PRACTICE ANI THE ACI 315 (LATEST EDITION).
- 3. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE GEOTECH REPORT FOR THIS PROJECT AND FOLLOW THE RECOMMENDATIONS IN THAT REPORT WHEN CONSTRUCTING THE FOUNDATION.

GEOTECHNICAL PROPERTIES BY: DELTA OAKS GROUP PROJECT NUMBER: GEO24-22236-08

TE: JULY 15, 2024

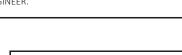
- THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-H STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
- 5. CONCRETE VOLUME IN CUBIC YARDS: 1.04
- 6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- 7. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
- ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
- 9. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
- 10. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8' LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
- 11. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
- 12. ANCHOR SHAFT: BY TOWER MANUFACTURER

STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE		
А	2' 0"	
В	2' 0"	
С	7' 0"	
D	0' 6"	
E	0' 6"	
F	190' 0"	
G	6' 0"	
Н	6' 0"	
ANGLE	45.0°	

REINFORCING SCHEDULE	SIZE	TOTAL QTY
STIRRUPS	# 4	8
LONGITUDINAL BARS TOP	#6	3
LONGITUDINAL BARS FRONT	#6	3
LONGITUDINAL BARS BACK	#6	1
LONGITUDINAL BARS BOTTOM	#6	2



BASE REACTIONS: (FACTORED LOADS)

VERTICAL 43 KIPS

43 KIPS



1717 S BOULDER AVE #300, TULSA, OK 74119 (918) 587-4630



601 SIX FORKS RD., STE. 250, RALEIGH, NC 2761

ı		IS	SUED FOR:
١	REV	DATE	DESCRIPTION
ı	0	09/30/24	ISSUED FOR CONSTRUCTIO
ı			
١			

COA: 4011

EXPIRES: 12/31/2024



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THEY ARE ACTING UNDER THE DIRECTIONS OF A
LICENSES PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 173017.001.01.0001 SITE NAME: SMITHLAND NORTH SITE NO: KY-1789

CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: CLINT COODY CHECKED BY: JL

SHEET TITLE:

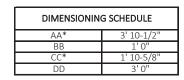
B4 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:

REVISION:

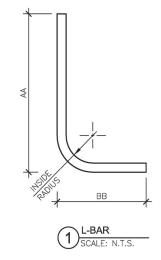
GT-ABF

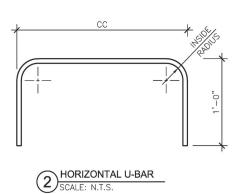
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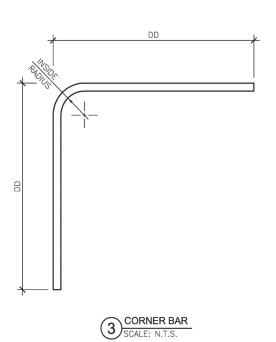


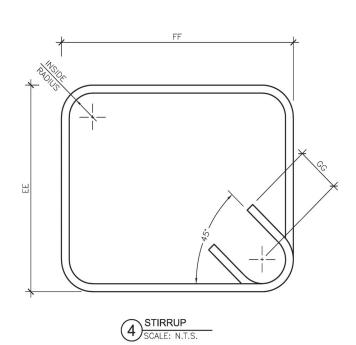
	B2 ANCHOR	B3 ANCHOR	B4 ANCHOR
EE*	2' 6"	1' 6"	1' 6"
FF*	1' 6"	1'6"	1' 6"
GG	0' 3"	0' 3"	0' 3"

*NOTE: CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION











1717 S BOULDER AVE #300, TULSA, OK 74119 (918) 587-4630



601 SIX FORKS RD., STE. 250, RALEIGH, NC 2761

		IS	SUED FOR:
-	REV	DATE	DESCRIPTION
	0	09/30/24	ISSUED FOR CONSTRUCTION
-			

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PROJECT INFORMATION:

PROJECT NO: 173017.001.01.0001 SITE NAME: SMITHLAND NORTH SITE NO: KY-1789 CLIENT NAME: APC TOWERS IV, LLC

DRAWN BY: CLINT COODY CHECKED BY: JL

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

REVISION:

Pier and Pad Foundation

Project #: 173017.001.01.000
Site Name: Smithland North
Site #: KY-1789

TIA-222 Revision: H
Tower Type: Guyed

Top & Bot. Pad Rein. Different?:	
Block Foundation?:	
Rectangular Pad?:	

Superstructure Analysis Re	eactions	
Compression, P _{comp} :	206.77	kips
Base Shear, Vu_comp:	0.94	kips
Moment, M _u :	0	ft-kips
Tower Height, H :	250	ft
BP Dist. Above Fdn, bp _{dist} :	0	in
Bolt Circle / Bearing Plate Width, BC:	12	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, dpier :	2.5	ft
Ext. Above Grade, E:	0.5	ft
Pier Rebar Size, Sc :	6	
Pier Rebar Quantity, mc :	9	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	14	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc _{pier} :	3	in

Pad Properties		
Depth, D :	4	ft
Pad Width, W ₁:	13	ft
Pad Thickness, T :	1.5	ft
Pad Rebar Size (Bottom dir. 2), Sp ₂ :	6	
Pad Rebar Quantity (Bottom dir. 2), mp ₂ :	14	
Pad Clear Cover, cc pad:	3	in

Material Properties		
Rebar Grade, Fy :	60	ksi
Concrete Compressive Strength, F'c:	4	ksi
Dry Concrete Density, δ c :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	110	pcf
Ultimate Net Bearing, Qnet:	2.730	ksf
Cohesion, Cu :	0.575	ksf
Friction Angle, $oldsymbol{arphi}$:	0	degrees
SPT Blow Count, N _{blows} :		
Base Friction, μ :	0.35	
Neglected Depth, N:	1.70	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	10	ft

Found	lation Anal	lysis Checl	(S	
	Capacity	Demand	Rating	Check
Lateral (Sliding) (kips)	67.99	0.94	1.4%	Pass
Bearing Pressure (ksf)	1.90	1.84	96.5%	Pass
Overturning (kip*ft)	275.42	4.23	1.5%	Pass
Pier Flexure (Comp.) (kip*ft)	364.24	2.82	0.8%	Pass
Pier Compression (kip)	3124.31	209.42	6.7%	Pass
Pad Flexure (kip*ft)	374.96	221.80	59.2%	Pass
Pad Shear - 1-way (kips)	205.34	65.86	32.1%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.190	0.082	43.1%	Pass
Flexural 2-way (Comp) (kip*ft)	392.21	1.69	0.4%	Pass

Structural Rating:	59.2%
Soil Rating:	96.5%

<--Toggle between Gross and Net

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #:	Project #: 173017.001.01.0001
Site Name:	Site Name: Smithland North
Site #:	Site #: KY-1789
Location:	B2

TIA-222 Revision:

Design Reactions	actions	
Shear, S:	43.42	kips
Uplift, Ua :	42.59	kips
Resultant Force, Rf:	60.82	kips
Tower Height, H:	250.00	ft
Guy Anchor Radius, R:	190.00	ft
Resultant Angle to Horizontal, θ :	44.4	deg

	ft	ft	ff	ft	yd³	ft					
Properties	6	2	3	6	2.0		9	3	9	4	4
Guy Anchor Properties	Depth to Bottom of Deadman, Da :	Anchor Width, Wa:	Anchor Thickness, Ta:	Anchor Length, La:	Concrete Volume, Vc.	Toe Width, toe:	Guyed Anchor Top Rebar Size, Sat:	No. of Bars in Top of Block:	Guyed Anchor Front Rebar Size, Saf:	No. of Bars in Front of Block:	Stirrup Size:

Material Pr Rebar Grade, Fy: Concrete Strength, Frc: Wt. Avg.Concrete Density, &x: Clear Cover, cc:

	уренс	Pass	Pass	Pass	Pass
	Rating	%6'36	83.6%	31.3%	25.5%
hecks	Demand	43.42	42.59	48.85	47.91
Design Checks	Capacity	45.27	50.93	155.97	187.94
		Lateral Capacity (kips):	Uplift Capacity (kips):	Lateral Flexural Capacity (ft*kips):	Uplift Flexural Capacity (ft*kips):

N/A	31.3%	95.9%
Anchor Shaft Rating:	Structural Rating:	Soil Rating:

Ħ	ft	
1.7	10	
Neglect Depth, Neg:	Groundwater Level, gw:	

Soil Properties:		No. of	No. of Soil Layers:	3		
Layer	φ, deg	cu, ksf	5, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	0	0.500	110	3.00		
2	0	0.800	120	00.9		
3	0	0.500	110	9.00		

*key: φ = Internal Angle of Friction

cu = Cohesion / Undrained Shear Strength

δ = Buoyant Soil Unit Weight

d = Depth to Bottom of Layer Ultimate fs = Geotechnical Report-provided skin friction / adhesion N = SPT Blow Count

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #:	Project #: 173017.001.01.0001
Site Name:	Site Name: Smithland North
Site #:	Site #: KY-1789
Location:	B3

TIA-222 Revision:

Design Reactions	actions	
Shear, S:	43.42	kips
Uplift, Ua :	42.59	kips
Resultant Force, Rf :	60.82	kips
Tower Height, H :	250.00	ft
Guy Anchor Radius, R:	190.00	H H
Resultant Angle to Horizontal, θ :	44.4	geb

	ksi	ksi	kcf	in
operties	09	4	0.150	3
Material Properties	Rebar Grade, Fy:	Concrete Strength, F'c.	Wt. Avg.Concrete Density, δx:	Clear Cover, cc:

		Check	Pass	Pass	Pass	Pass
	i.	Kating	87.2%	89.3%	18.6%	18.3%
IECKS		Demand	43.42	42.59	21.71	21.30
Design Criecks		Capacity	49.81	47.69	116.66	116.66
			Lateral Capacity (kips):	Uplift Capacity (kips):	Lateral Flexural Capacity (ft*kips):	Uplift Flexural Capacity (ft*kips):

N/A	18.6%	89.3%
Anchor Shaft Rating:	Structural Rating:	Soil Rating:

Ħ	ft	
1.7	10	
Neglect Depth, Neg:	Groundwater Level, gw:	

Soil Properties:		No. of	No. of Soil Layers:	3		
Layer	φ, deg	cu, ksf	ð, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	0	0.600	115	3.00		
2	0	0.800	120	00.9		
3	0	2.500	120	9.00		

*key: φ = Internal Angle of Friction

cu = Cohesion / Undrained Shear Strength

δ = Buoyant Soil Unit Weight

d = Depth to Bottom of Layer Ultimate fs = Geotechnical Report-provided skin friction / adhesion N = SPT Blow Count

Guyed Anchor Block Foundation

Checks capacity of anchor blocks for a guyed tower.

Project #:	Project #: 173017.001.01.0001
Site Name:	Site Name: Smithland North
Site #:	Site #: KY-1789
Location:	B4

TIA-222 Revision:

Design Reactions	actions	
Shear, S:	43.42	kips
Uplift, Ua :	42.59	kips
Resultant Force, Rf:	60.82	kips
Tower Height, H:	250.00	ft
Guy Anchor Radius, R:	190.00	ft
Resultant Angle to Horizontal, θ :	44.4	deg

	ft	ft	ft	ft	yd³	ft					
Properties	8	2	2	7	1.0		9	3	9	3	4
Guy Anchor Properties	Depth to Bottom of Deadman, Da:	Anchor Width, Wa:	Anchor Thickness, Ta :	Anchor Length, La :	Concrete Volume, Vc.	Toe Width, toe:	Guyed Anchor Top Rebar Size, Sat:	No. of Bars in Top of Block:	Guyed Anchor Front Rebar Size, Saf:	No. of Bars in Front of Block:	Stirrup Size:

Material Properties	perties	
Rebar Grade, Fy:	60	ksi
Concrete Strength, F'c:	4	ksi
Wt. Avg.Concrete Density, &x:	0.150	kcf
Clear Cover, cc:	3	in

Design Checks
Capacity
45.38
51.59
116.66
116.66

N/A	32.6%	95.7%
Anchor Shaft Rating:	Structural Rating:	Soil Rating:

Ħ	ft	
1.7	10	
Neglect Depth, Neg:	Groundwater Level, gw:	

Soil Properties:		No. of	No. of Soil Layers:	3		
Layer	gəb, q	cu, ksf	ð, pcf	d, ft	Ultimate fs (ksf)	N (blows/ft)
1	0	0.700	115	3.00		
2	0	1.100	120	00.9		
3	0	1.300	120	8.00		

*key: φ = Internal Angle of Friction

cu = Cohesion / Undrained Shear Strength

 δ = Buoyant Soil Unit Weight d = Depth to Bottom of Layer Ultimate fs = Geotechnical Report-provided skin friction / adhesion N = SPT Blow Count

COMPETING UTILITIES,	EXHIBIT D CORPORATIONS,	OR PERSONS LIST

Navigation

Reports

PSC Home

Search

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 1	ype Status
			∨ Active ∨

	I	T	1	1	I	
	Utility ID	Utility Name	Utility Type	Class	City	State
View	4002000	1GLOBAL Operations (US) Inc.	Cellular	D	Durham	NC
View	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D	Henderson	NV
View	4115150	ACN Communication Services, LLC dba Flash Wireless dba Flash Mobile	Cellular	D	Concord	
View	4113600	AFNET, LLC	Cellular	D	Alpharetta	GA
View	4108300	Air Voice Wireless, LLC d/b/a AirTalk Wireless	Cellular	А	Houston	TX
View	4115200	Airespring, Inc.	Cellular	С	Clearwater	FL
View	4111900	ALLNETAIR, INC.	Cellular	D	West Palm Beach	FL
View	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	Α	Lisle	IL
View	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
View	4107800	American Broadband and Telecommunications Company	Cellular	D	Toledo	ОН
View	4108650	AmeriMex Communications Corp.	Cellular	А	Safety Harbor	FL
View	4105100	AmeriVision Communications, Inc.	Cellular	D	Virginia Beach	VA

		d/b/a Affinity 4				
View	4114250	Approved Contact LLC	Cellular	D	Reno	NV
View	4115050	Aquarius Silver LLC	Cellular	С	Sheridan	WY
View	4105700	Assurance Wireless USA, L.P.	Cellular	D	Atlanta	GA
View	4114150	Atlantic Mobile US LLC d/b/a Angel Mobile	Cellular	D	Wilmington	DE
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	Α	San Diego	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4107600	Boomerang Wireless, LLC	Cellular	Α	Dallas	TX
View	4115500	CALL CENTERS INDIA INCORPORATED d/b/a Blueconnects	Cellular		Seattle	WA
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	Α	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Houston	TX
View	4112900	Clear Mobile, LLC	Cellular	D	Tulsa	OK
View	4114550	Cliq Communications LLC d/b/a Cliq Mobile	Cellular	D	Coral Gables	FL
View	4111150	Comcast OTR1, LLC	Cellular	Α	Phoeniexville	PA
View	4113550	Comlink Total Solutions Corp	Cellular	D	Fort Myers	FL
View	4101900	Consumer Cellular, Incorporated	Cellular	Α	Portland	OR
View	4112700	Cox Wireless, LLC	Cellular	D	Atlanta	GA
View	4108850	Cricket Wireless, LLC	Cellular	Α	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	В	Long Island City	NY
View	4114000	Daywalker Mobile Inc.	Cellular	D	Bartlesville	OK
View	4112000	DISH Wireless L.L.C.	Cellular	Α	Englewood	CO
View	4111200	Dynalink Communications, Inc.	Cellular	С	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	В	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	4113250	Elevate Platforms, LLC	Cellular	D	Nashville	TN

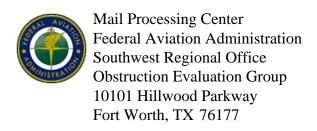
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	ОК
View	4113800	EVOLVE WIRELESS LLC	Cellular	D	Maumee	ОН
View	4110450	Excellus Communications, LLC	Cellular	D	Harrisburg	SD
View	4112400	Excess Telecom Inc.	Cellular	D	Beverly Hills	CA
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Herndon	VA
View	4111750	Gabb Wireless, Inc.	Cellular	Α	Lehi	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Miami	FL
View	4102200	Globalstar USA, LLC	Cellular	С	Covington	LA
View	4112850	GO TECHNOLOGY MANAGEMENT, LLC	Cellular	D	Atlanta	GA
View	4109600	Google North America Inc.	Cellular	Α	Mountain View	CA
View	4113500	GR8 CONNECT Corp.	Cellular	С	Brooklyn	NY
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	С	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	4115300	Interactivetel LLC	Cellular	С	Houston	TX
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	Α	Basking Ridge	NJ
View	4112200	Lexvor Inc.	Cellular	D	Irvine	CA
View	4111250	Liberty Mobile Wireless, LLC	Cellular	В	Sunny Isles Beach	FL
View	4114900	Liberty Wireless, LLC	Cellular	С	Rockville	MD
View	4114750	Link Mobile, Inc.	Cellular	С	New York	NY
View	4111400	Locus Telecommunications, LLC	Cellular	D	Fort Lee	NJ
View	4114500	Lux Mobile USA, Inc	Cellular	D	Baton Rouge	LA

View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
VIEW	710/300	Marconi Wireless	Celiulai	U	Westlake	ראו
View	4112500	Holdings, LLC	Cellular	В	Village	CA
View	4113850	MAXSIP TEL KENTUCKY LLC d/b/a Maxsip Telecom	Cellular	D	Woodmere	NY
View	4114800	Mediacom Wireless LLC	Cellular	С	Mediacom Park	NY
View	4108800	MetroPCS Michigan, LLC	Cellular	Α	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	Α	Costa Mesa	CA
View	4111850	Mobi, Inc.	Cellular	D	Honolulu	HI
View	4115100	Mobile 13, Inc	Cellular	С	South Jordan	UT
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	Α	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	4114950	Panda Mobile LLC	Cellular	С	Sparks	NV
View	4109050	Patriot Mobile LLC	Cellular	В	Grapevine	TX
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	ОН
View	4114850	POWER MOBILE LLC	Cellular	С	Rockville Centre	NY
View	4112800	Prepaid Wireless Group, LLC dba Prepaid Wireless Wholesale	Cellular	D	Rockville	MD
View	4114350	PRESTO WIRELESS Corp.	Cellular	D	Fair Lawn	NJ
View	4115000	Prosper Wireless LLC	Cellular	D	Sherman Oaks	CA
View	4107700	Puretalk Holdings, Inc.	Cellular	Α	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	Α	Dania	FL
View	4108700	Ready Wireless, LLC	Cellular	D	Cedar Rapids	IA
View	4113200	Red Pocket Inc.	Cellular	D	Thousand Oaks	CA
View	4114200	Roccstar Wireless LLC	Cellular	D	Bedford	TX
View	4114700	Rocket Mobile LLC	Cellular	С	West Palm Beach	FL
View	4115400	RSCU Mobile, LLC	Cellular	С	Alpine	UT

View	4106200	Rural Cellular Corporation	Cellular	А	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	Α	Los Angeles	CA
View	4113050	Sarver Corporation	Cellular	D	Rancho Cucamonga	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	Α	Fremont	NE
View	4110150	Spectrotel of the South LLC dba Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	Α	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	С	Key Bixcayne	FL
View	4113450	Syntegra North America, LLC	Cellular	D	Denton	TX
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	А	Bellevue	WA
View	4002500	TAG Mobility, LLC d/b/a TAG Mobile	Cellular	D	Plano	TX
View	4107200	Telefonica Global Solutions USA, Inc.	Cellular	D	Miami	FL
View	4112100	Tello LLC	Cellular	Α	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	4110400	Torch Wireless Corp.	Cellular	С	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	С	Stevensville	MD
View	4112250	TROOMI WIRELESS, Inc.	Cellular	D	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	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	С	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	11)	Basking Ridge	NJ
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	WHOOP MOBILE INC.	Cellular	С	Melbourne	FL
View	4106500	WiMacTel, Inc.	Cellular	D	Calgary, AB	CA
View	4110950	Wing Tel Inc.	Cellular	D	New York	NY
View	4113400	Wrazzle, Inc.	Cellular	D	New Milford	СТ
View	4113650	XCHANGE TELECOM LLC	Cellular	D	Brooklyn	NY
View	4112150	Zefcom, LLC	Cellular	С	Wichita Falls	TX

EXHIBIT E FAA



Issued Date: 08/26/2024

Jonathan Greene APC Towers 8601 Six Forks Rd Suite 250 Raleigh, NC 27615

** 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 KY-1789 EV Smithland North

Location: Smithland, KY

Latitude: 37-09-27.01N NAD 83

Longitude: 88-23-45.38W

Heights: 347 feet site elevation (SE)

255 feet above ground level (AGL) 602 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Emissions from this site must be in compliance with the parameters set by collaboration between the FAA and telecommunications companies and reflected in the FAA 5G C band compatibility evaluation process (such as power, frequencies, and tilt angle). Operational use of this frequency band is not objectionable provided the Wireless Providers (WP) obtain and adhere to the parameters established by the FAA 5G C band compatibility evaluation process. **Failure to comply with this condition will void this determination of no hazard.**

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 M, Obstruction Marking and Lighting, a med-dual system-Chapters 4,8(M-Dual),&15.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Air Missions (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

	At least 10 days prior to start of construction (7460-2, Part 1)
X_	_ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.

This determination expires on 02/26/2026 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 our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASO-12786-OE.

Signature Control No: 625212193-631104208

(DNE)

Angelique Eersteling Technician Attachment(s)
Additional Information
Frequency Data
Map(s)

cc: FCC

Additional information for ASN 2024-ASO-12786-OE

BASIS FOR DECISION

Part 77 authorizes the FAA to evaluate a structure or object's potential electromagnetic effects on air navigation, communication facilities, and other surveillance systems. It also authorizes study of impact on arrival, departure, and en route procedures for aircraft operating under visual or instrument flight rules, as well as the impact on airport traffic capacity at existing public use airports. Broadcast in the 3.7 to 3.98 GHz frequency (5G C band) currently causes errors in certain aircraft radio altimeters and the FAA has determined they cannot be relied upon to perform their intended function when experiencing interference from wireless broadband operations in the 5G C band. The FAA has adopted Airworthiness Directives for all transport and commuter category aircraft equipped with radio altimeters that prohibit certain operations when in the presence of 5G C band

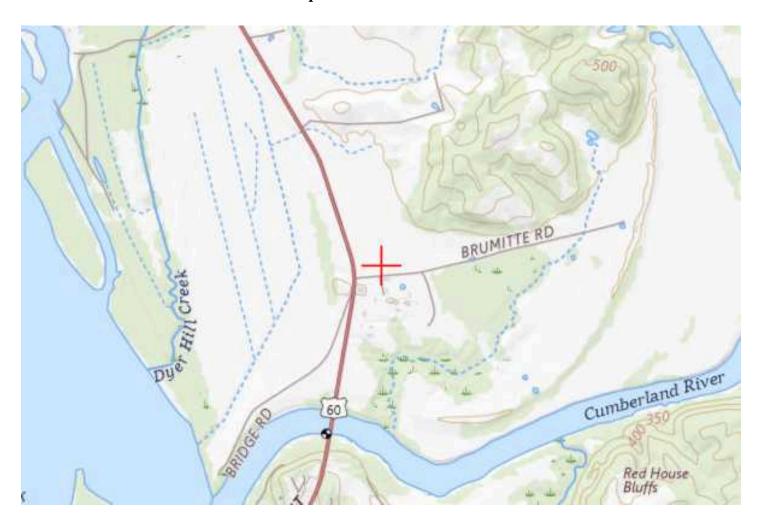
This determination of no hazard is based upon those mitigations implemented by the FAA and operators of transport and commuter category aircraft, and helicopters operating in the vicinity of your proposed location. It is also based on telecommunication industry and FAA collaboration on acceptable power levels and other parameters as reflected in the FAA 5G C band evaluation process.

The FAA 5G C band compatibility evaluation is a data analytics system used by FAA to evaluate operational hazards related to aircraft design. The FAA 5G C band compatibility evaluation process refers to the process in which the telecommunication companies and the FAA have set parameters, such as power output, locations, frequencies, and tilt angles for antenna that mitigate the hazard to aviation. As the telecommunication companies and FAA refine the tools and methodology, the allowable frequencies and power levels may change in the FAA 5G C band compatibility evaluation process. Therefore, your proposal will not have a substantial adverse effect on the safe and efficient use of the navigable airspace by aircraft provided the equipment and emissions are in compliance with the parameters established through the FAA 5G C band compatibility evaluation process.

Any future changes that are not consistent with the parameters listed in the FAA 5G C band compatibility evaluation process will void this determination of no hazard.

LOW	HIGH	FREQUENCY UNIT	ERP	ERP
FREQUENCY	FREQUENCY	UNII	EKP	UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	2000	W
614	698	MHz	1000	W
698	806	MHz	1000	W
806	824	MHz	500	W
806	901	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W
3700	3980	MHz	3280	W
3700	3980	MHz	1640	W
3700	3700	IVIIIZ	10 4 0	VV

TOPO Map for ASN 2024-ASO-12786-OE



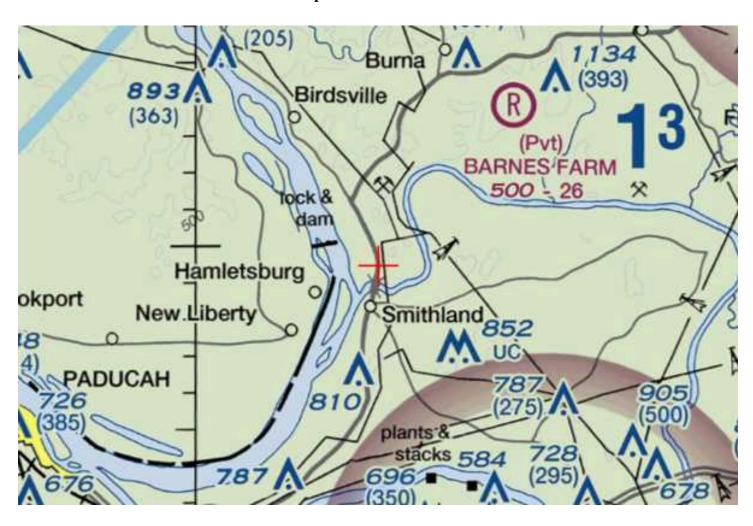


EXHIBIT F KENTUCKY AIRPORT ZONING COMMISSION



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

Tuesday, August 27, 2024

Jonathan Greene 86001 Six Forks Road. Suite 250 Raleigh, NC 27615

AS-2024-073-M34 KY Dam State Park Airport
APPLICANTS NAME: APC Towers, Jonathan Greene

NEAREST CITY: Smithland, KY

LATITUDE/LONGITUDE: 37°09'27.01" N, 88°23'45.38" W

HEIGHT (In Feet): 255' AGL /602' AMSL

CONSTRUCTION PROPOSED: Telecommunications Tower

NOTES: The tower location is approximately 9.9 nm N of M34 and exceeds 200 ft AGL. It penetrates no protected air surfaces.

FAA DETERMINATION: 2024-ASO-12786-OE. No Hazard to Air Navigation. Marking and Lighting required IAW FAA AC 70/7460-1 M, med-dual system – Chapter 4,8(M-Dual)&15.

This letter is to notify you that the Kentucky Airport Zoning Commission approved your permit application for the construction of Structures at the Location, Coordinates, and Height as indicated above. Construction must comply with requirements, if any, listed in the FAA Determination.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

An email of this letter was also sent to your representative, Jonathan Greene, at igreene@apctowers.com. If you have any questions, please contact us.

Respectfully,

Anthony Adams

Airport Zoning Commission Administrator KY Department of Aviation 502-564-0151 Office AirportZoning@ky.gov



EXHIBIT G GEOTECHNICAL REPORT



GEOTECHNICAL INVESTIGATION REPORT

October 2, 2024

Prepared For:

APC Towers



EV Smithland North KY-1789 Proposed 250-Foot Guyed Tower

Brumitte Road, Smithland (Livingston County), Kentucky 42081 Latitude N 37° 09' 27.01" Longitude W 88° 23' 45.38"

> Delta Oaks Group Project GEO24-22236-08 Revision 1 geotech@deltaoaksgroup.com

Performed By:

Sarah Russel

Reviewed By:

Sarah C. Russek, P.E.

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



INTRODUCTION

This geotechnical investigation report has been completed for the proposed 250-foot, single ring, guyed tower located at Brumitte Road in Smithland (Livingston 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 exhibiting a generally flat topography across the tower compound and subject property.

REFERENCES

- Lease Exhibit, provided by APC Towers, dated March 14, 2024
- TIA Standard (TIA-222-H), dated October 2017

SUBSURFACE FIELD INVESTIGATION SUMMARY

The subsurface field investigation was conducted through the advancement of four mechanical soil test borings to the termination depth of 20.0 feet bgs. Samples were obtained at selected intervals in accordance with ASTM D 1586. The sampling was conducted near the proposed tower mast and guy anchors locations. 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 borings in relation to the proposed tower, guy anchors, tower compound and immediate surrounding area can be found in the Appendix.



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 borings and consisted of lean clay, sandy silt, sandy lean clay, and poorly graded sand with silt. The materials ranged from a very loose to medium dense relative density and a medium stiff to very stiff consistency.

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

ROCK

Rock was not encountered during the subsurface field investigation.

SUBSURFACE WATER

The driller indicated that at the time of drilling subsurface water was encountered at an approximate depth of 10.0 to 11.0 feet bgs in the borings. The driller did not take groundwater measurements at the end of drilling. A groundwater depth of 10.0 feet bgs was used for analysis purposes in this report. 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 Livingston County, Kentucky is 20 inches (1.7 feet).

CORROSIVITY

Soil resistivity was performed in accordance with ASTM G187 with a test result of 4,820 ohmscm for the tower base.



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 tower mast structure and concrete blocks for the guy anchors. The strength parameters presented in the following sections can be utilized for design of the foundation.

GENERAL SUBSURFACE STRENGTH PARAMETERS

Boring	Depth (bgs)	epth (bgs) USCS Moist/Buoyant Phi Angle (degrees)			
	0.0 - 3.0	CL	115	0	600
	3.0 - 6.0		110	0	500
D 1	6.0 - 9.5	CL	110	0	400
B-1	9.5 - 13.0	SP-SM	115 / 53	31	0
	13.0 - 18.0	SP-SM	100 / 38	29	0
	18.0 - 20.0	SP-SM	110 / 48	30	0

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)
	0.0 - 3.0 CL 110		110	0	500
	3.0 - 6.0	CL	120	0	800
B-2	6.0 - 9.5	CL	110	0	500
D-2	9.5 - 13.0	SP-SM	115 / 53	32	0
	13.0 - 18.0	SP-SM	115 / 53	30	0
	18.0 - 20.0	CL	110 / 48	0	400

Boring	Depth (bgs)	USCS	Moist/Buoyant Unit Weight (pcf)	Phi Angle (degrees)	Cohesion (psf)		
	0.0 - 3.0	CL	115	0	600		
			120	0	800		
B-3			120	0	2,500		
	9.0 - 18.0	SP-SM	115 / 53	31	0		
	18.0 - 20.0	SP-SM	100 / 38	28	0		



Boring	Depth (bgs)	th (bgs) USCS Moist/Buoyant Unit Weight (pcf)		Phi Angle (degrees)	Cohesion (psf)
	0.0 - 3.0 CL		115	0	700
	3.0 - 6.0	CL	120	0	1,100
B-4	6.0 - 9.0	CL	120	0	1,300
D-4	9.0 - 13.0	SP-SM	115 / 53	31	0
•	13.0 - 18.0	SP-SM	115 / 53	32	0
	18.0 - 20.0	SP-SM	120 / 58	33	0

- The buoyant unit weight of soil should be utilized below a depth of 10.0 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.



SUBSURFACE STRENGTH PARAMETERS - SHALLOW TOWER FOUNDATION

Boring	Dimensions (feet)	Depth (feet bgs)	Net Ultimate Bearing Capacity (psf)
		3.0	3,450
	5.0 x 5.0	4.0	3,580
	5.0 x 5.0	5.0	2,860
		6.0	3,060
		3.0	3,270
	10.0 x 10.0	4.0	2,860
	10.0 x 10.0	5.0	2,660
		6.0	2,760
		3.0	2,860
B-1	15.0 x 15.0	4.0	2,730
D-1	15.0 X 15.0	5.0	2,600
		6.0	2,660
		3.0	2,760
	20.0 x 20.0	4.0	2,660
	20.0 X 20.0	5.0	2,560
		6.0	2,620
		3.0	2,700
	25.0 x 25.0	4.0	2,620
	23.0 X 25.0	5.0	2,540
		6.0	2,590

- 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 tower mast foundation.
- Ultimate Passive Pressure Tables, for the tower mast and guy anchors, with a reduction due to frost penetration to a depth of 1.7 feet bgs are presented on the following pages.
- Delta Oaks Group recommends an appropriate factor of safety be utilized for the design of the foundation.



<u>ULTIMATE PASSIVE PRESSURE VS. DEPTH - TOWER FOUNDATION</u>

	0211	IVIX (IE I 7 (33) (E I RECOURE	TOIDEITII	TOWERTO	TIET THE		
Soil La	yers (feet)	Moist Unit Weight	Phi Angle	Cohesion	PV	КР	Ph	
Тор	0.0	115	0	600	0.00	1.00	600.00	
Bottom	1.7	115	0	600	195.50	1.00	697.75	
Тор	1.7	115	0	600	195.50	195.50 1.00		
Bottom	3.0	115	0	600 345.00 1.00		345.00 1.00		
Тор	3.0	110	0	500 345.00 1.00		1.00	1345.00	
Bottom	6.0	110	0	500	675.00	1.00	1675.00	
Тор	6.0	110	0	400	675.00	1.00	1475.00	
Bottom	9.5	110	0	400	1060.00	1.00	1860.00	
Тор	9.5	115	31	0	1060.00	3.12	3311.48	
Bottom	10.0	115	31	0	1117.50	1117.50 3.12		

ULTIMATE PASSIVE PRESSURE VS. DEPTH - NORTHERN GUY ANCHOR

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Тор	0.0	110	0	500	0.00	1.00	500.00
Bottom	1.7	110	0	500	187.00	1.00	593.50
Тор	1.7	110	0	500	187.00	1.00	1187.00
Bottom	3.0	110	0	500	330.00 1.00		1330.00
Тор	3.0	120	0	800	330.00	1.00	1930.00
Bottom	6.0	120	0	800	690.00	1.00	2290.00
Тор	6.0	110	0	500	690.00	1.00	1690.00
Bottom	9.5	110	0	500	1075.00	1.00	2075.00
Тор	9.5	115	32	0	1075.00	3.25	3498.68
Bottom	10.0	115	32	0	1132.50	3.25	3685.82



<u>ULTIMATE PASSIVE PRESSURE VS. DEPTH – SOUTHEASTERN GUY ANCHOR</u>

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph		
Тор	0.0	115	0	600	0.00	1.00	600.00		
Bottom	1.7	115	0	600	195.50	1.00	697.75		
Тор	1.7	115	0	600	195.50	1395.50			
Bottom	3.0	115	0	600	345.00 1.00		1545.00		
Тор	3.0	120	0	800	345.00	1.00	1945.00		
Bottom	6.0	120	0	800	705.00	1.00	2305.00		
Тор	6.0	120	0	2,500	705.00	1.00	5705.00		
Bottom	9.0	120	0	2,500	1065.00	1.00	6065.00		
Тор	9.0	115	31	0	1065.00	3.12	3327.10		
Bottom	10.0	115	31	0	1180.00	3.12	3686.36		

ULTIMATE PASSIVE PRESSURE VS. DEPTH - SOUTHWESTERN GUY ANCHOR

Soil Layers (feet)		Moist Unit Weight	Phi Angle	Cohesion	PV	KP	Ph
Тор	0.0	115	0	700	0.00	1.00	700.00
Bottom	1.7	115	0	700	195.50	1.00	797.75
Тор	1.7	115	0	700	195.50	1.00	1595.50
Bottom	3.0	115	0 700 345.00 1.00		700 345.00		1745.00
Тор	3.0	120	0	1,100	345.00	1.00	2545.00
Bottom	6.0	120	0	1,100	705.00	1.00	2905.00
Тор	6.0	120	0	1,300	705.00	1.00	3305.00
Bottom	9.0	120	0	1,300	1065.00	1.00	3665.00
Тор	9.0	115	31	0	1065.00	3.12	3327.10
Bottom	10.0	115	31	0	1180.00	3.12	3686.36



SEISMIC DESIGN CONSIDERATIONS

Period (seconds)	Site Coefficients	Mapped Spectral Acceleration Parameters	Adjusted Spectral Acceleration Parameters	Design Spectral Acceleration Parameters				
0.2	1.3 (F _a)	S _s = 0.823	S _{ms} = 1.069	S _{Ds} = 0.713				
1.0	N/A (F _v)	S ₁ = 0.282	$S_{m1} = N/A$	$S_{D1} = N/A$				

^{*}Ground motion hazard analysis may be required.

- The site soils should be characterized as Seismic Site Class E
- Design considerations are based on the 2018 International Building Code and the subgrade conditions encountered during this investigation.

DELTA OAKS

DELTA OAKS GROUP

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.



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.



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 APC Towers. No warranty, expressed or implied, is presented.

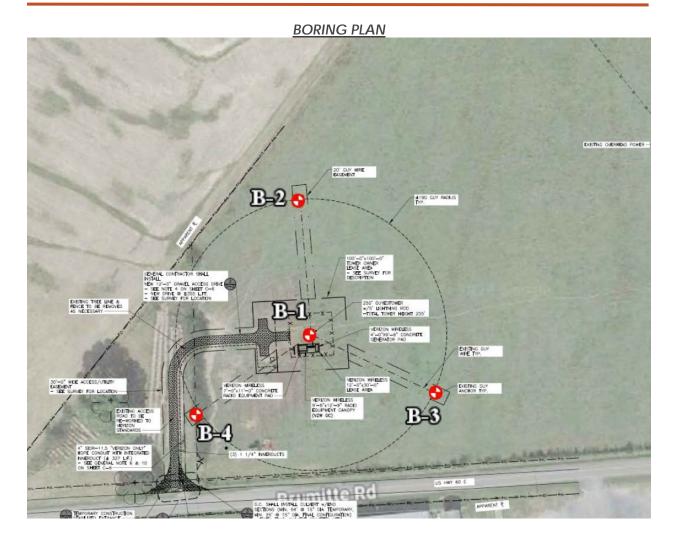
Delta Oaks Group appreciates the opportunity to be of service for this Geotechnical Investigation Report. Please do not hesitate to contact Delta Oaks Group with any questions or should you require additional service on this project.



APPENDIX

DELTA OAKS

DELTA OAKS GROUP





PROJECT NUMBER GEO24-22236-08

PROJECT LOCATION Smithland, Kentucky

CLIENT APC Towers

Boring No.: B-1

	GROUP PROJECT LOCATION SHIItiliand, Renducky														
DAT	E DRILLED : 7/8/2024		GR	OUND W	ATER	LEV	ELS:								
DRII	LLING METHOD: Hollow Stem Auger		$\overline{\Delta}$	AT TI	ME OF	DRI	LLING	3 : -	No	t me	easur	ed			
GRO	OUND ELEVATION:	1	Ā	AT EN	ID OF	DRIL	LING	:	- Not	me	asure	ed			
BOF	RING DEPTH (ft): 20		$\bar{\mathbf{\Lambda}}$	AFTE	R DRII	LLING	3: -	No	t mea	sur	ed				
o DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE		MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE	1	0 20		/ALUE	30 9C)
	Medium stiff, tan, gray, LEAN CLAY (CL), trace sand, trace roots, moist			CL											
						3	3	3	6						
5	Medium stiff, tan, gray, brown, fine to coarse grained, sandy SILT (ML), moist	X	7	ML		2	2	3	5						
	Medium stiff, gray, brown, fine to coarse grained, sandy LEAN CLAY (CL), trace mica, moist			CL		2	1	3	4						
10	Medium dense, brown, gray, fine to medium grained, POORLY GRADED SAND with silt (SP-SM), moist			SP-SM		2	4	9	12						
	Loose, trace clay	X	7			3	2	3	5	•					
			7			5	4	4	8						
20	Bottom of borehole at 20.0 feet.	<u>/ \</u>		[.]											



PROJECT NUMBER GEO24-22236-08

PROJECT LOCATION Smithland, Kentucky

CLIENT APC Towers

Boring No.: B-2

DATE PRILLIPS:		F DDILLED - 7/0/0004		ODOUN	D 14/4	TED	. =\/											
AT END OF DRILLING: — Not measured AFTER DRILLING: — Not measu	DATE DRILLED: 7/8/2024 DRILLING METHOD: Hollow Stem Auger																	
BORING DEPTH (IT): 20 AFTER DRILLING: — Not measured			1	_														
Medium stiff, gray, tan. brown, LEAN CLAY (CL), trace roots.			1															
Medium stiff, gray, tan, brown, LEAN CLAY (CL), trace roots, moist							1 1											
Trace mica Trace mica Trace mica 3 4 4 8 2 2 3 5 Medium dense, tan, brown, fine to medium grained, POORLY GRADED SAND with sitt (SP-SM), moist 4 5 6 11 Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, saturated 3 2 2 4	0	Medium stiff, gray, tan, brown, LEAN CLAY (CL), trace roots,		////		<u> </u>					10	20 3	30 40	50	60 7	0 80	90	
Medium dense, tan, brown, fine to medium grained, POORLY GRADED SAND with silt (SP-SM), moist 10 Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, adurated CL 3 2 2 4		moist	X				1	2	3	5	↑							
Medium dense, tan, brown, fine to medium grained, POORLY GRADED SAND with sitt (SP-SM), moist SP-SM SP-SM SP-SM SP-SM SP-SM SP-SM CL Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, saturated	5	Trace mica					3	4	4	8								
GRADED SAND with silt (SP-SM), moist 4 5 6 11 Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, saturated 20	 						2	2	3	5								
Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, saturated 3 2 2 4	_ 10	Medium dense, tan, brown, fine to medium grained, POORLY GRADED SAND with silt (SP-SM), moist	X	SP	SM		5	8	8	16								
saturated 3 2 2 4 A 3 2 2 4	15	_	X				4	5	6	11								
		Medium stiff, gray, brown, LEAN CLAY (CL), trace sand, saturated		O	EL .		3	2	2	4								
	20	Bottom of borehole at 20.0 feet.	/ \	////		\dashv					+		+	+	+	\dashv	+	



PROJECT NUMBER GEO24-22236-08

PROJECT LOCATION Smithland, Kentucky

CLIENT APC Towers

Boring No.: B-3

	GROUP - 7(0/0004			011112	/A T==		FI ^										_
	E DRILLED: 7/8/2024	GROUND WATER LEVELS:															
	LLING METHOD: Hollow Stem Auger	1															
	OUND ELEVATION:	1	Ā							meası	ıred						
BOF	ING DEPTH (ft): 20		<u>1</u>	AFTE		LLING	- : ۆ	No	t mea	sured							
O DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE	MATERIAL CLASSIFICATION Pocket Penetromete (tsf)		Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE	10 2		SPT I				0 9	0
	Medium stiff, gray, tan, brown, LEAN CLAY (CL), trace sand, moist			CL													
		X				3	2	4	6								
	-	X				2	4	4	8								
	Very stiff	X				3	9	16	25								
10	Medium dense, tan, fine to medium grained, POORLY GRADED SAND with silt (SP-SM), moist	X		SP-SM		5	7	7	14	<u></u>			_				
	Brown, tan, gray		<i>1</i>			6	8	5	13	^							
	Very loose, with clay seam					2	2	1	3								
20	Bottom of borehole at 20.0 feet.	<u> </u>	¥∵.11	1								\top		\parallel	\dashv		
			1_											Ш			



PROJECT NUMBER GEO24-22236-08

PROJECT LOCATION Smithland, Kentucky

CLIENT APC Towers

Boring No.: B-4

-	GROUP TO TOUR TOUR TOUR TOUR TOUR TOUR TOUR T			OUND !!	/AT		FI 2								
	E DRILLED: 7/8/2024			OUND W											
	LLING METHOD: Hollow Stem Auger	1	Ā							t meası					
	DUND ELEVATION:	1	Ā Ā							measu	ired				
BOF	RING DEPTH (ft): 20		<u>*</u>	AFTE		LING	G: -	No	t mea	sured					
O DEPTH (ft)	MATERIAL DESCRIPTION	SAMPLE TYPE		MATERIAL CLASSIFICATION	Pocket Penetrometer (tsf)	BLOWS 1st	BLOWS 2nd	BLOWS 3rd	N VALUE	10 2	▲ S	SPT N ¹			90
	Medium stiff, tan, gray, brown, LEAN CLAY (CL), trace sand, moist			CL									Ī		
						3	3	4	7						
5	Stiff	X				3	4	7	11					_	
	Trace mica	X				2	6	7	13						
_ 10	Medium dense, tan, fine to medium grained, POORLY GRADED SAND with silt (SP-SM), with clay seam, moist			SP-SM		2	6	8	14				4	$\frac{1}{1}$	
	Wet	X	7			3	7	9	16	•					
	With clay seam		7			7	10	10	20						
20	Bottom of borehole at 20.0 feet.	/ <u>'</u>	<u>V::11</u>	11									+	+	+
			\perp												\perp

EXHIBIT H DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

- 1. Beginning at 321 Court Street, Smithland, KY, head northwest on Court Street and travel approximately 282 feet.
- 2. Turn right onto US-60 E / E Adair Street and travel approximately 1.3 miles.
- 3. Turn right onto Brumitte Road and travel approximately 0.1 miles.
- 4. The site is on the left.
- 5. The site coordinates are
 - a. North 37 deg 09 min 27.01 sec
 - b. West 88 deg 23 min 45.38 sec



Prepared by:
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Pike Legal Group PLLC
1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-3069

Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I COPY OF REAL ESTATE AGREEMENT

OPTION AND GROUND LEASE AGREEMENT

THIS OPTION AND GROUND LEASE AGREEMENT ("Agreement") is made and entered into as of the latter signature date hereto (the "Effective Date"), by and between NANCY K. "KAITE" CHAMPION, with a mailing address of 985 US Highway 60 E, Smithland, Kentucky 42081 ("Lessor"); and APC TOWERS IV, LLC, a Delaware limited liability company, with a mailing address of 8601 Six Forks Road, Suite 250, Raleigh, North Carolina 27615 ("Lessee").

RECITALS

WHEREAS, Lessor is the owner of that certain parcel of land located at 985 US Highway 60 E, Smithland, Kentucky 42081, also known as parcel number 043-00-002.00, as more specifically described on Exhibit A hereto (the "Property"); and

WHEREAS, Lessor desires to grant to Lessee, and Lessee desires to obtain from Lessor an option to lease from Lessor a portion of the Property comprised of approximately 100' x 100' (10,000 square feet) of ground space (the "Premises"), together with an access easement for ingress and egress and the installation and maintenance of utilities (the easements collectively referred to as the "Easements") both being approximately located as shown on Exhibit B (the Premises and the Easements are collectively referred to herein as the "Site"), for the purpose of establishing and maintaining a communications facility for Lessee's use and that of its subtenants, licensees and customers.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and promises contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Lessor and Lessee agree as follows.

1. Option to Lease.

- (a) In consideration of the payment of by Lessee to Lessor, Lessor hereby grants to Lessee an exclusive and irrevocable option to lease the Premises and use the Easements on the terms and conditions set forth herein below (the "Option"). The Option has a term of twelve (12) months, commencing on the Effective Date and ending as of midnight on the date before the first anniversary of such date (the "Option Period"). Lessee has the right to extend the Option for two (2) additional terms of twelve (12) months (the "Extended Option Period"). The Option will automatically be extended for the Extended Option Period unless Lessee provides Lessor with written notice of Lessee's intent not to extend the Option at least ninety (90) days prior to the expiration of the Option Period or the Extended Option Period, as applicable. Lessee will pay Lessor an additional payment (the "Additional Option Fee") of within thirty (30) days of the commencement of the Extended Option Period. The
 - Additional Option Fees paid by Lessee will be credited in full against the Rent payable to Lessor if the Option is exercised by Lessee.
- (b) During the Option Period, the Extended Option Period and the Term, Lessor agrees to cooperate with Lessee in obtaining, at Lessee's expense but for no additional consideration payable to Lessor, all licenses and permits or authorizations required for Lessee's use of the Site from all applicable government and/or regulatory entities (the "Government Approvals"). Lessor hereby irrevocably appoints Lessee or Lessee's agent as Lessor's agent to file applications on behalf of Lessor with federal, state and local governmental authorities which applications relate to Lessee's use of the Site, including but not limited to land use and zoning applications. During the Option Period, Extended Option Period and the Term, Lessor agrees to cooperate with Lessee, at no cost to Lessor but for no additional

consideration payable to Lessor, to obtain a title report, zoning approvals and variances, conditionaluse permits and perform surveys, soils tests, perform RF engineering studies and other engineering procedures or environmental investigations on, under and over the Property, necessary to determine whether Lessee's use of the Site will be compatible with the Lessee's engineering specifications, intended use, system design, operations and Government Approvals. During the Option Period, Extended Option Period and the Term, Lessor agrees to provide Lessee, at no cost to Lessor but for no additional consideration payable to Lessor, with any documents, materials or other instruments required or requested for Lessee to secure a title policy for the Site, which may include, among others, and each as applicable, the following: (i) a certified copy of the formation documents of Lessor and all amendments thereto from the state in which Lessor is organized; (ii) a certificate of good standing for the Lessor issued by the state where the Lessor is organized, not dated later than five (5) business days from the date requested by Lessee; (iii) a true and complete copy of the names of any shareholders, members or partners of the Lessor; (iv) true and complete copy of any operating agreement, partnership agreement, bylaws or similar document and all amendments thereto together certified as accurate and complete by an officer, director, partner, member or manager of Lessor; (v) a copy of the authorizing resolutions or consent of Lessor's governing body authorizing Lessor to enter into, comply with and perform under this Agreement; and (vi) such other documents that may be reasonably required or requested. Lessor's provision of the foregoing documents, materials or other instruments required for Lessee to secure a title policy for the Site shall be a prerequisite for the payment of any Rent or other monetary amounts payable by Lessee under this Agreement, and notwithstanding anything to the contrary herein and in addition to Lessee's rights and remedies otherwise provided in this Agreement, Lessee shall have no obligation to make any rental or other payments to Lessor until such items have been supplied to Lessee to the reasonable satisfaction of Lessee and Lessee's title insurer.

- (c) During the Option Period and any Extended Option Period, Lessee may exercise the Option by written notice to Lessor.
- 2. <u>Premises.</u> Subject to the terms and conditions of this Agreement, upon Lessee's exercise of the Option Lessor hereby leases to Lessee and Lessee hereby leases from Lessor the Premises together with the use of the Easements for the construction, modification, operation and maintenance of the Telecommunications Facilities (as defined in Section 7(a)).
- 3. <u>Permitted Use.</u> The Site may be used by Lessee for the construction, modification, operation, maintenance, repair, replacement and removal of the Telecommunications Facilities (the "*Permitted Use*"). Lessor may not commit any action or omission that would adversely affect the status of the Site with respect to the Permitted Use.
- 4. <u>Term.</u> The initial term of this Agreement ("Initial Term") is five (5) years, beginning on the date Lessee exercises the Option ("Commencement Date"), and expiring at midnight on the day prior to the fifth (5th) anniversary of the Commencement Date. Lessee has the right to extend the term of Agreement for nine (9) additional five (5)-year terms (each a "Renewal Term"). Each Renewal Term will be on the same terms and conditions set forth in this Agreement. This Agreement will automatically renew for each successive Renewal Term unless Lessee notifies Lessor in writing of Lessee's intention not to renew the Term at least thirty (30) days prior to the expiration of the then current Term. The Initial Term and Renewal Terms are collectively referred to herein as the "Term".
 - 5. Rent.
 - (a) Lessee shall pay Lessor an initial monthly rent of ("Rent"). The Rent is due and payable in advance on the first day of each month during the Term commencing as of the Rent Commencement Date. The "Rent Commencement Date" is the earlier of

- (i) the date of issuance of a certificate of completion (or comparable certificate) from the applicable governmental authority for the Telecommunications Facilities or (ii) ninety (90) days from the Commencement Date. Rent will be prorated for any partial months, including the months in which the Rent Commencement Date and the expiration or termination of the Term occur. As a condition precedent to Lessee's obligation to remit any payments provided for under this Agreement, Lessor (as well as any successor to Lessor's interest in this Agreement or to such payments) agrees to provide Lessee with a completed IRS Form W-9 upon execution of this Agreement and at such other times as may be reasonably requested by Lessee, including any change in Lessor's name or address. If Lessee elects to remit payments payable under this Agreement by electronic funds transfer, Lessor agrees to provide to Lessee bank routing information for such purpose upon request of Lessee.
- (b) The Rent will increase annually as of each anniversary of the Commencement Date, by an amount equal to the commencement of the Rent in effect immediately prior to the increase.
- (c) Within thirty (30) days of the Commencement Date, Lessee shall pay Lessor a one-time lump sum payment in the sum of as a Lease Commencement Bonus.
- 6. Interference. Lessor may not use, nor may Lessor permit its tenants, licensees, employees, invitees or agents to use any portion of the Property in any way that interferes with Lessee's Permitted Use of the Site. Such interference will be a material breach of this Agreement by Lessor and Lessor shall have the responsibility to terminate the interference immediately upon written notice from Lessee. Anything to the contrary in this Agreement notwithstanding, the cure periods provided for in Section 10 will not be applicable to failure by Lessor to fulfill its obligations under this Section 6. If any interference does not cease or is not rectified as soon as possible, but in no event longer than twenty-four (24) hours after Lessee's written notice to Lessor, Lessor acknowledges that the continuing interference will cause irreparable injury to Lessee, as well as Lessee's sublessees and licensees, and Lessee has 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. Lessor represents and warrants that it has not sold, leased, licensed or otherwise granted rights in the Property that in any way interfere or could reasonably be likely to interfere with Lessee's rights to use Site for the Permitted Use.

7. Construction of Improvements.

- (a) Lessee may, from time to time during the Term, at its expense, construct, install, operate, maintain, replace, add to, upgrade and remove its (as well as its subtenants, licensees and customers) radio transmitting and receiving antennae, communications equipment, related cables, wires, conduits, air conditioning equipment and other appurtenances, as well as a tower(s) and building(s) or cabinets to house such equipment (collectively, the "Telecommunications Facilities"). Although the Telecommunications Facilities may become fixtures under applicable law, they will remain solely the property of Lessee and Lessee's subtenants, licensees and customers, and Lessee (and its subtenants, licensees and customers) has the right to remove any or all of them from time to time during the Term and at the expiration or earlier termination of the Term. If the tower to be constructed by Lessee on the Premises is a guyed tower, Lessor also grants Lessee easements in, over, across and through the Property or any other real property owned by Lessor as may be necessary to Tenant during the Initial Term and any Renewal Terms of this Agreement for the installation and maintenance and removal of and reasonable access to guy wires and guy wire anchors, which may be located outside of the Site.
- (b) The Telecommunications Facilities shall be initially configured as generally set forth in **Exhibit C**, subject to change by Lessee consistent with Section 7(a).

- (c) Lessee is solely responsible for operations, maintenance, repair and insuring of the equipment owned, constructed and installed by Lessee on the Premises.
- (d) Lessor hereby grants Lessee a non-exclusive, unimpaired landscape easement which includes the right to install vegetation and screening around the exterior of the perimeter of the Premises as necessary to meet the applicable landscaping and buffering requirements of applicable land use laws, rules and regulations, if and when such placement should ever be required (the "Landscape Easement").
- (e) Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities.
- 8. Access. During the Term, ingress and egress to the Premises is hereby granted by Lessor to Lessee and its subtenants, licensees and customers, and each of such party's agents, contractors and subcontractors, on a 24-hour a day, 365 days per year basis. This ingress and egress shall include the nonexclusive right to and from the Premises, over and across the Property and an access way from nearby public streets and driveways and parking rights for personnel and equipment. Lessee also has a nonexclusive right of way over and across the Property as necessary for the installation, running, servicing and maintenance of electrical power and other utilities necessary to serve the Telecommunications Facilities.

9. Utilities.

- (a) Lessee has the right to install utilities (including without limitation communications services and power) at Lessee's expense, and to improve the present utilities, if any, on the Premises. Lessee shall, wherever practical, install separate meters for utilities used on the Premises.
- (b) Lessee may utilize the Easements for ingress, egress, and access to the Premises as may be required for the construction, installation and maintenance by the appropriate utility companies for the purpose of servicing the Telecommunications Facilities. In addition to Lessee and its sublessees and licensees, Lessee may grant the right to utilize the Easements to any utility servicing the Site. Lessor agrees to execute, at no cost to Lessee a utility easement between Lessor and any such utility provider, if reasonably necessary.
- 10. <u>Default</u>. Any breach of a material term hereof that is not cured within thirty (30) days from receipt of written notice from the non-breaching party shall constitute a "*Default*"; provided, however, that if efforts to cure such breach are commenced within said 30-day period and thereafter diligently prosecuted to completion, such period shall be extended for a period of time not to exceed six (6) months. The foregoing notwithstanding, any monetary breach not cured within fifteen (15) days from receipt of written notice thereof from the other party shall constitute a Default by the breaching party.

11. Termination.

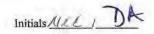
- (a) In addition to other termination rights contained in this Agreement, this Agreement may be terminated upon written notice from the non-breaching party to the breaching party upon a Default and as otherwise provided in this section.
- (b) Lessee may terminate this Agreement upon written notice to Lessor if Lessee determines, in Lessee's sole discretion, that the results of any studies, reports, and/or applications for Governmental Approvals contemplated under Section 1(b) of this Agreement are unacceptable.



- (c) Lessee may terminate this Agreement upon thirty (30) days prior written notice to Lessor, if (i) Lessee determines that the Premises are technologically unsuitable, in Lessee's reasonable opinion, for the operation of the Telecommunications Facilities, including but not limited to unacceptable radio signal interference and any addition, alteration or new construction on, adjacent to or in the vicinity of the Premises or the Property that blocks, either partially or totally, transmission or receiving paths used by any of the Telecommunications Facilities; (ii) any Governmental Approval that Lessee reasonably deems necessary or convenient for the construction, operation, maintenance, reconstruction, modification, addition to or removal of the Telecommunications Facilities is not, in Lessee's sole discretion, reasonably obtainable or maintainable in the future; (iii) Lessee determines, in Lessee's commercially reasonable judgment, that that the Premises cease to be economically viable as a telecommunications site; or (iv) Hazardous Substances (as defined in Section 14) are or become present on the Property in violation of Environmental Laws (as defined in Section 14).
- 12. Condemnation. If all or any part of the Premises or any portion of the Easements, or any roadway to the Premises is taken by eminent domain or other action by any governmental or quasi-governmental body having the legal right to take said lands, and if said taking in the sole discretion of Lessee renders the Premises unsuitable for its intended purpose, then at Lessee's option, Lessee may terminate this Agreement as of the date the title vests in the condemning authority. Lessor and Lessee will share in the condemnation proceeds in proportion to the values of their respective interests in the Site (which for Lessee includes, where applicable, the value of the Telecommunication Facilities, moving expenses, prepaid rent and business dislocation expenses). If Lessee does not terminate this Agreement as provided in this section, this Agreement shall remain in effect, but the Rent shall be reduced by the amount that bears the same proportion to the Rent immediately prior to the partial taking which was applicable to the Premises immediately prior to such taking and thereafter the "Premises" will be deemed to be the remaining portion of the initial Premises.

13. Indemnification.

- (a) Lessor, its heirs, grantees, successors, and assigns shall indemnify and defend Lessee from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the acts or omissions of Lessor, or Lessor's principals, employees, invitees, agents or independent contractors. Lessee, its grantees, successors, and assigns shall indemnify and defend Lessor from and against any claims, obligations, liabilities, costs, demands, damages, expenses, suits or causes of action, including costs and reasonable attorney's fees, which may arise out of (i) any injury to or death of any person; or (ii) any damage to property, if such injury, death or damage arises out of or is attributable to or results from the negligent acts or omissions of Lessee, or Lessee's employees, agents or independent contractors.
- (b) If either party is entitled to indemnification and defense ("Indemnified Party") from the other party ("Indemnifying Party") pursuant to this Agreement, the Indemnified Party shall notify the Indemnifying Party promptly, in writing, of any claims by any person for which the Indemnified Party alleges that the Indemnifying Party is responsible hereunder and tender the defense of such claim to the Indemnifying Party. The Indemnified Party shall fully cooperate with the defense or settlement of such claim. The Indemnifying Party shall not be liable under this Agreement for settlements by the Indemnified Party of any claim unless the Indemnifying Party has approved the settlement in advance (such approval not to be unreasonably withheld, conditioned or delayed) or unless the defense of the claim has been tendered to the Indemnifying Party, in writing, and the Indemnifying Party has failed promptly to undertake the defense. This Section 13 shall survive the termination or expiration of this Agreement.



- 14. <u>Hazardous Substances</u>. Lessor represents and warrants to Lessee that Lessor: (i) is not presently engaged in, (ii) does not presently have actual knowledge of, (iii) has not at any time in the past engaged in, and (iv) has no actual knowledge that any third person or entity has engaged in or permitted any operations or activities upon, or any use or occupancy of, the Premises, or any portion of the Property, for the purpose of, or in any way involving the handling, manufacturing, treatment, storage, use, transportation, spillage, leakage, dumping, discharge or disposal (whether legal or illegal), accidental or intentional, of any hazardous substances, materials or wastes ("Hazardous Substances") regulated under any local, state, or federal law pertaining to the environment, public health or safety or the handling, manufacturing, treatment storage, use, transportation, spillage, leakage, dumping, discharge or disposal of Hazardous Substances ("Environmental Laws"). Lessor indemnifies and defends Lessee from and against any and all claims of liability under any Environmental Laws for Hazardous Substances which were handled, manufactured, treated, stored, used, transported, spilled, leaked, dumped, discharged, disposed of or otherwise introduced into the Property, except for claims arising in whole or in any part out of Lessee's use or occupancy of the Premises. The indemnity obligations contained in this Section 14 shall survive the termination or expiration of this Agreement.
- 15. Insurance. Lessee will carry during the term of the Agreement the following insurance with customary for injury to any one person and coverage and exclusions: (i) bodily injury: injuries sustained by more than one person in any one occurrence; and (ii) property damage: full replacement costs of Lessee's property. Lessee agrees to furnish Lessor with certificates of insurance certifying that Lessee has in force and effect the above specified insurance. Lessee shall have Lessor named as additional insured on all polices obtained or maintained by Lessee pursuant to this Section 15, except for workers' compensation policies. Lessor and Lessee mutually covenant and agree that each party, in connection with insurance policies required to be furnished in accordance with the terms of this Agreement, or in connection with insurance policies which they obtain insuring such insurable interest as Lessor or Lessee may have in its own properties, whether personal or real, shall expressly waive any right of subrogation on the part of the insurer against the Lessor or Lessee as the same may be applicable, which right to the extent not prohibited or violative of any such policy is hereby expressly waived. Lessor and Lessee each agree to seek recovery based solely on insurance policies as set forth above, provided such policies are in effect, and each mutually waive all right of recovery against each other, their agents, or employees for any loss, damage or injury of any nature whatsoever to property or person except to the extent either party is required by this Agreement to carry insurance.
- 16. Taxes. Lessee shall pay any personal property taxes assessed on or attributable to the Telecommunications Facilities. Lessor shall pay when due all real property taxes and all other fees and assessments attributable to the Property, Premises and Easements. Lessee will pay to Lessor within thirty (30) days from Lessor's request, any increase in Lessor's real property taxes which Lessor demonstrates, to Lessee's satisfaction, is directly and solely attributable to any improvements to the Site made by Lessee. If Lessor fails to pay when due any taxes affecting the Property or the Site, Lessee shall have the right, but not the obligation, to pay such taxes and (i) deduct the full amount of the taxes paid by Lessee on Lessor's behalf from future installments of Rent, or (ii) collect such taxes by any lawful means.

17. Quiet Enjoyment, Title and Authority.

- (a) During the Term, Lessee may peaceably and quietly hold and enjoy the Premises, free from disturbance from any person claiming by, through or under Lessor, subject only to those matters of title of record as of the Effective Date.
- (b) Lessor covenants and warrants to Lessee that: (i) Lessor has full right, power and authority to execute this Agreement; (ii) Lessor has good and unencumbered title to the Property, free and clear of any liens or mortgages, except those disclosed to Lessee and of record as of the Effective Date, that will not interfere with Lessee's rights to or use of the Premises; (iii) the execution and performance of this

Agreement will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Lessor.

(c) Lessor agrees that, during the Option Period, Extended Option Period and the Term, Lessee will have the exclusive right to lease the Property or any portion thereof from the Lessor for the operation of antennae and telecommunications facilities providing transmission and receiving facilities for wireless providers and users, and that Lessor will not grant a lease, sublease, or other license or right to use any portion of the Property, or any other adjacent property owned by Lessor, to any other party for operation of antenna and/or telecommunications facilities.

18. Notices.

(a) All notices hereunder must be in writing and shall be deemed validly given if sent by hand delivery, a reputable national overnight courier service (such as FedEx or United Parcel Service), or by certified mail, postage prepaid, return receipt requested, to the address shown below (or to any other address that the party to be notified may designate from time to time by written notice to the other party).

If to Lessor to: Nancy K. "Kaite" Champion

985 US HWY 60 E

Smithland, Kentucky 42081 ATTENTION: Katie Champion

Ref. Site ID: KY-1789 EV Smithland North

Telephone: (included for information purposes only and not for notices)

Email: (included for information purposes only; not for notices)

If to Lessee to: APC Towers IV, LLC

8601 Six Forks Road, Suite 250 Raleigh, North Carolina 27615 Attention: Daniel C. Agresta III

Ref. Site ID: KY-1789 EV Smithland North

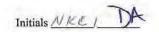
Telephone: (included for information purposes only and not for notices)
Facsimile: (included for information purposes only, not for notices)

- (b) If there is a change in ownership of the Property and Lessor's agreement is assigned to another party, then within ten (10) days of such transfer, Lessor or its successor will send copies of the documents listed below in this subsection (b) to Lessee. Until Lessee receives all such documents, Lessee shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement.
 - i. Old deed to Property
 - ii. New deed to Property
 - iii. Bill of Sale or Transfer
 - iv. Current Tax Bill
 - v. New IRS Form W-9
 - vi. Full contact (information purposes only and not for notices) for new Lessor including phone number(s)



19. Estoppel, Non-Disturbance and Attornment.

- (a) Lessor will, from time to time, upon not less than ten (10) days prior written notice from Lessee, execute and deliver to Lessee a written estoppel certificate certifying that as of the date of the certification: (i) this Agreement is a valid enforceable agreement, presently in full force and effect; (ii) whether Lessor has any knowledge of any default or breach by Lessee under any of the terms, conditions, or covenants of this Agreement; (iii) the Term (its commencement and termination dates) and the term of any option or renewal periods granted to the Lessee to extend the Term; (iv) the amount of the then-current Rent payable under the Agreement; (v) attached to the certification is a true and correct copy of the Agreement and all amendments thereto, (vi) and such other facts as Lessee or its prospective mortgagee or purchaser may request.
- (b) Lessor shall obtain for Lessee from the holder of any mortgage and deed of trust now or hereafter encumbering the Property a subordination and non-disturbance agreement in the form attached hereto as <u>Exhibit E</u>, providing that so long as Lessee is not in default under this Agreement, its rights as Lessee hereunder shall not be terminated and its access to and possession of the Premises shall not be disturbed by the mortgagee or trustee, or by any proceedings on the debt which any such mortgage or deed of trust secures, and that any sale at foreclosure shall be subject to this Agreement.
- 20. Assignment. This Agreement is freely assignable by Lessee to any other party upon written notice to Lessor, without the necessity of obtaining Lessor's consent. Upon an assignment, Lessee shall be relieved of all liabilities and obligations arising under this Agreement subsequent to the date of such assignment. Lessee, at its sole discretion, may, without any need to obtain the consent of Lessor, license or sublease all or a portion of the Site and/or the Telecommunications Facilities. Additionally, Lessee may mortgage or grant a security interest in this Agreement and the Telecommunications Facilities and may assign this Agreement and the Telecommunications Facilities to any such mortgagees or holders of security interests including their successors and assigns (hereinafter collectively referred to as "Secured Parties"). If requested by Lessee, Lessor shall execute such consent to such financing as may reasonably be required by Secured Parties. In addition, if requested by Lessee, 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. If a termination, disaffirmance or rejection of this Agreement by Lessee pursuant to any laws (including any bankruptcy or insolvency laws) occurs, or if Lessor shall terminate this Agreement for any reason, Lessor will give to Secured Parties prompt notice thereof and Secured Parties shall have the right to enter upon the Premises during a 30-day period commencing upon Secured Parties' receipt of such notice for the purpose of removing any Telecommunications Facilities. Lessor acknowledges that Secured Parties are third-party beneficiaries of this Agreement.
- 21. Limited Right of First Refusal. Notwithstanding anything to the contrary contained herein, this paragraph shall not apply to any fee simple sale of the Property from Lessor to any prospective purchaser that is not a Third-Party Competitor or to Lessee. A Third-Party Competitor as included in this Section is defined as a party that competes, owns, markets or distributes products within the telecommunications industry and is not an affiliate, licensee, or distributor of Lessee. If Lessor receives an offer or desires to offer to: (i) sell or convey any interest (including, but not limited to, leaseholds or easements) in any real property of which the Leased Premises is a part to a Third Party Competitor or (ii) assign all or any portion of Lessor's interest in the Lease to a Third Party Competitor (any such offer, the "Offer"), Lessee shall have the right of first refusal to purchase the real property or other interest being offered by Lessor in connection with the Offer on the same terms and conditions. If Lessee elects, in its sole and absolute discretion, to exercise its right of first refusal as provided herein, Lessee must provide Lessor with notice of its election not later than forty-five (45) days after Lessee receives written notice from Lessor of the Offer. If Lessee elects not to exercise Lessee's right of first refusal with respect to an Offer as provided herein, Lessor may complete the transaction contemplated in the Offer with the Third-Party Competitor on the stated terms and price but with the express condition that such sale is made subject to the terms of the Lease, as modified by this

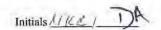


Amendment. Lessor hereby acknowledges and agrees that any sale or conveyance by Lessor in violation of this Section is and shall be deemed to be null and void and of no force and effect. The terms, provisions, and conditions of this Section shall survive the execution and delivery of this Amendment.

- 22. <u>Further Assurances</u>. Each party shall take all such further actions and execute all such further documents and instruments as the parties may at any time reasonably determine to be necessary or desirable to carry out and consummate the transactions contemplated by this Agreement.
- 23. <u>Waiver of Lessor's Lien</u>. Lessor hereby waives any and all lien rights it may have, statutory or otherwise, in and to the Telecommunications Facilities or any portion thereof, regardless of whether or not same is deemed real or personal property under applicable laws.
- 24. Waiver of Damages. Neither Lessor nor Lessee shall be responsible or liable to the other party for any loss or damage arising from any claim to the extent attributable to any acts of vandalism or for any structural or power failures or destruction or damage to the Telecommunications Facilities except to the extent caused by the negligence or willful misconduct of such party. EXCEPT AS SPECIFICALLY PROVIDED IN THIS AGREEMENT, IN NO EVENT SHALL LESSOR OR LESSEE BE LIABLE TO THE OTHER FOR, AND LESSEE AND LESSOR EACH HEREBY WAIVE THE RIGHT TO RECOVER INCIDENTAL, CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, LOSS OF USE OR LOSS OF BUSINESS OPPORTUNITY), PUNITIVE, EXEMPLARY AND SIMILAR DAMAGES.

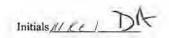
25. Miscellaneous.

- (a) This Agreement shall extend to and bind the heirs, executors, administrators, successors and assigns of the parties hereto.
- (b) This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the state or commonwealth in which the Site is located, without regard to its conflicts of laws principles.
- (c) For purposes of providing constructive notice hereof and if required by applicable law, Lessor and Lessee hereby agree to execute the Memorandum of Ground Lease Agreement (see form attached hereto as <u>Exhibit D</u>), and Lessee shall have the same recorded in the land records of the county and state in which the Premises is located. The cost of any such recording is to be paid for solely by the Lessee.
- (d) Any sale or other conveyance by the Lessor of all or part of the Site shall be under and subject to this Agreement and Lessee's rights hereunder.
- (e) It is hereby mutually agreed and understood that this Agreement contains all agreements, promises and understandings between the Lessor and the Lessee and that no verbal or oral agreements, promises, or understandings shall or will be binding upon either the Lessor or Lessee in any dispute, controversy of proceeding at law, or any addition to, variation, or modification of this Agreement shall be void and ineffective unless in writing signed by the parties hereto.
- (f) If either Lessor or Lessee is represented by a real estate broker in this transaction, that party is fully responsible for any fees due such broker and will hold the other party harmless from any claims for commission by such broker.



- (g) This Agreement may be executed in two or more counterparts, all of which are considered one and the same agreement and 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.
- (h) The parties agree that a scanned or electronically reproduced copy or image of this Agreement will be deemed an original and may be introduced or submitted in any action or proceeding as competent evidence of the execution, terms and existence hereof notwithstanding the failure or inability to produce or tender an original, executed counterpart of this Agreement and without the requirement that the unavailability of such original, executed counterpart of this Agreement first be proven.
- (i) In the event of any dispute arising hereunder or a default by Lessor or Lessee, and if litigation is commenced, the prevailing party shall be entitled to recover from the other party all costs and expenses incurred in connection with such litigation, including, but not limited to, reasonable attorneys' fees and costs.
- 26. <u>Confidentiality</u>. Lessor shall not disclose to any third party the Rent payable by Lessee under this Agreement and shall treat such information as confidential, except that Lessor may disclose such information to prospective buyers, prospective or existing lenders, Lessor's affiliates and attorneys, or as may be required by law or as may be necessary for the enforcement of Lessor's rights under this Agreement. Lessor acknowledges that the disclosure of such information to any other parties may cause Lessee irreparable harm, and in the event of such disclosure, as an additional remedy, Lessee shall have the right to terminate this Agreement upon giving thirty (30) days written notice thereof to Lessor.

(Signature Pages Follow)



IN WITNESS WHEREOF, the parties hereto have executed this OPTION AND GROUND LEASE AGREEMENT as of the dates written below.

LESSOR:

NANCY K. "KAITE" CHAMPION

Name: MANCY & "Hatie" Champia

Date: 4 23 24

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

LESSOR ACKNOWLEDGMENT

STATE OF hentucky

COUNTY OF WING

On the day of in the year 2024 before me, the undersigned, personally appeared Nancy K. "Kaite" Champion, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her capacity, and that by her signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Notary Public

My Commission Expires:

SUNNIE JO EDGING Notary Public Commonwealth of Kentucky Commission Number KYNP44887 By Commission Expires Feb 17, 2026

Initials NKE 1 DA

LESSEE:

APC TOWERS IV, LLC,

a Delaware limited liability company

By:

Name: Daniel C. Agresta III

Title: President and CEO

Date:

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

LESSEE ACKNOWLEDGMENT

STATE OF NORTH CAROLINA

COUNTY OF WAKE

Notary Public Wake
County
My Comm. Exp.
04-12-2028

Talicia C. Neal, Notary Public

My Commission Expires: April 12, 2028.

EXHIBIT J
NOTIFICATION LIST
PVA RECORDS
PROOF OF NOTICE

Smithland North - Notice List

Champion Nancy K (Katie) 985 US Hwy 60 East Smithland, KY 42081

Reed David W PO Box 67 Gilbertsville, KY 42044

Viking Farms LLC 5681 Old Mystic Court Jupiter, FL 33458

Liv Co Fiscal Court 321 Court Street Smithland, KY 42081

Liv Co Fiscal Court P.O. Box 70 Smithland, KY 42081

Commonwealth of KY KY Transportation Cabinet Dept of Hwys Frankfort, KY

Livingston County, KY PVA

Summary

 Parcel Number
 043-00-00-002.00

 Account Number
 11446

Location Address BRUMMITTE RD 0

Description FARM ON CUMBERLAND RIVER (Note: Not to be used on legal documents)

Class Farm Tax District 01 County

View Map

Owner

Primary Owner CHAMPION NANCY K (KATIE) 985 U S HWY 60 EAST SMITHLAND, KY 42081

Land Characteristics

Condition Topography Plat Book/Page Drainage Subdivision Flood Hazard None Zoning Block Electric No Acres 143.00 Water No Front 0 Gas No Depth 0 Sewer No Lot Size 0x0 Road Secondary Lot Sq Ft Sidewalks Shape Information Source

Sales

Sale Date 🕏	Sale Price 🕏	Sale Type ◆	Book-Page ♦	Grantee ♦	Grantor ♦
2/5/2019	\$225,000	Close Relative Sale	260-418	CHAMPION NANCY K (KATIE)	CHAMPION THOMAS D
	\$0		119-44	CHAMPION THOMAS D	

Sales/Transfer Info

Click Here for Sales/Transfer Information

Valuation

	2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
+ Land Value	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$40,100
+ Improvement Value	\$0	\$0	\$0	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$O	\$0	\$0	\$0	\$0
= Total Taxable Value	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$40,100
- Exemption Value	\$0	\$0	\$0	\$0	\$0	\$0
= Net Taxable Value	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$40,100
+ Land FCV	\$314,000	\$314,000	\$314,000	\$225,000	\$225,000	\$225,000
+ Improvement FCV	\$0	\$0	\$O	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$ 0	\$0	\$0	\$0	\$0
= Total FCV	\$314,000	\$314,000	\$314,000	\$225,000	\$225,000	\$225,000
Exemption						
Farm Acres	143.00	143.00	143.00	143.00	143.00	143.00
Fire Protection Acres	69.00	69.00	69.00	69.00	69.00	69.00

Taxes

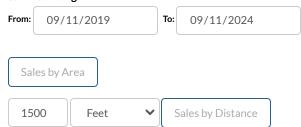
	2023	2022	2021	2020	2019
Tax	\$418.68	\$388.68	\$390.68	\$395.68	\$316.41

Tax Bill Search

Click Here for Tax Information

Recent Sales in Area

Sale date range:



 $\textbf{No data available for the following modules:} \\ Improvement Information, Sketches, Photos.$

Under Kentucky State Law, KRS 171.410, these records are public information and may appear on the Internet. If you believe any data is inaccurate, or if you have any comments about our site, we would like to hear from you. Comments may be made by telephone at (270) 928-2524. We do our best to ensure that all of our data is accurate, but the PVA does not assume any liability associated with the use or misuse of this data. | <u>User Privacy Policy</u> | <u>GDPR Privacy Notice</u>

Last Data Upload: 9/10/2024, 5:29:38 PM

Contact Us



None

No

No

No

No

Secondary

Livingston County, KY PVA

Summary

Parcel Number 042-00-00-013.00 Account Number 5995

Location Address SILVER MINE RD 0

Description FARM

(Note: Not to be used on legal documents)

Farm Tax District 01 County

View Map

Owner

Primary Owner REED DAVID W

GILBERTSVILLE, KY 42044

Land Characteristics

Topography Condition Plat Book/Page Drainage Subdivision Flood Hazard Lot Zoning Block Electric Acres 1,090.00 Water Front 0 Gas Depth 0 Sewer Lot Size 0x0 Road

Lot Sq Ft Sidewalks

Shape Information Source

Sales

Sale Date ♦	Sale Price ♦	Sale Type ◆	Book-Page ♦	Grantee ♦	Grantor ♦
	\$0		-	REED DAVID W	

Sales/Transfer Info

Click Here for Sales/Transfer Information

Valuation

		2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
+ Land	d Value	\$529,800	\$529,800	\$529,800	\$395,400	\$395,400	\$395,400
+ Imp	rovement ue	\$0	\$0	\$0	\$0	\$0	\$0
+ Ag Imp Valu	rovement ue	\$0	\$0	\$0	\$0	\$0	\$0
= Tota	al Taxable ue	\$529,800	\$529,800	\$529,800	\$395,400	\$395,400	\$395,400
- Exei	mption ue	\$0	\$0	\$0	\$0	\$0	\$0
= Net Valu	Taxable ue	\$529,800	\$529,800	\$529,800	\$395,400	\$395,400	\$395,400
+ Land	d FCV	\$1,962,000	\$1,962,000	\$1,962,000	\$1,200,000	\$1,200,000	\$1,200,000
+ Imp	rovement /	\$0	\$0	\$0	\$0	\$0	\$0
+ Ag Imp	rovement /	\$0	\$0	\$0	\$0	\$0	\$0
= Tota	al FCV	\$1,962,000	\$1,962,000	\$1,962,000	\$1,200,000	\$1,200,000	\$1,200,000
Exe	mption						
Farr	m Acres	1090.00	1090.00	1090.00	1090.00	1090.00	1090.00
Fire Prot Acre	tection	523.00	523.00	523.00	523.00	523.00	523.00

Taxes

	2023	2022	2021	2020	2019
Tax	\$4,432.17	\$4,114.29	\$3,089.05	\$3,128.58	\$3,116.72

Tax Bill Search

Click Here for Tax Information

Recent Sales in Area

Sale date range:



No data available for the following modules: Improvement Information, Sketches, Photos.

Under Kentucky State Law, KRS 171.410, these records are public information and may appear on the Internet. If you believe any data is inaccurate, or if you have any comments about our site, we would like to hear from you. Comments may be made by telephone at (270) 928-2524. We do our best to ensure that all of our data is accurate, but the PVA does not assume any liability associated with the use or misuse of this data.

| <u>User Privacy Policy</u> | <u>GDPR Privacy Notice</u> <u>Last Data Upload: 9/10/2024, 5:29:38 PM</u> Contact Us



Livingston County, KY PVA

Summary

Parcel Number 043-00-00-004.00

Account Number 13388

Location AddressCUMBERLAND AVE 716DescriptionFARM & RESIDENCE

(Note: Not to be used on legal documents)

Class Farm

Tax District 01 County

View Map



Owner

Primary Owner
VIKING FARMS LLC
5681 OLD MYSTIC COURT
JUPITER, FL 33458

Land Characteristics

Condition	Average	Topography	Level
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	None
Lot		Zoning	
Block		Electric	No
Acres	352.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	0x0	Road	Secondary
Lot Sq Ft	0	Sidewalks	No
Shape		Information Source	

Improvement Information

Building Number	1		
Description	HOUSE & LOT	Kitchens	0
Residence Type	Single Family	Dining Rooms	0
Comm Type	,	Living Rooms	0
Mobile Home Type		Family Rooms	0
Year Built	0	Bedrooms	3
Effective Age	0	Full Baths	2
Ave. Wall Height	0	Half Baths	0
Structure	1 Story	Other Rooms	0
Number of Stories	1	Total Rooms	0
Exterior	Brick Veneer	Living Sq Ft	1,290
Foundation	Concrete Block	Fireplaces/Water	0/0
Construction Type	Concrete block	Supplemental Heat	Wood
Construction Quality	Average/Standard	Mobile Home Model	
Building Condition	Very Good/Excellent	Mobile Home Manufacturer	
S .	Gable	MH Skirt Foundation	
Roof Type Roof Cover		Heat	Yes
Roof Cover Roof Pitch	Comp.Shingles	Heat Source	Electric
	None	Heat Type	Forced Air
Basement Type Basement Finish	None	Air Conditioning	Yes
		AC/Type	Central
Basement Size	0	Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	56
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	266	Value	\$110,000.00
Pool		Driveway	Gravel
Pool Size	0	Fence	0
Tennis Courts			-

Building Number	2	Kitchens	0
Description	GRAIN BIN	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	0	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure		Total Rooms	0
Number of Stories	0	Living Sq Ft	0
Exterior		Fireplaces/Water	0/0
Foundation		Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type		Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	0	Value	\$1,000.00
Pool		Driveway	Gravel
Pool Size	0	Fence	0
Tennis Courts			
Building Number	3	Kitchens	0
Description	3 SHOP	Kitchens Dining Rooms	0
Description Residence Type		Dining Rooms	0 0 0
Description Residence Type Comm Type			0
Description Residence Type Comm Type Mobile Home Type	SHOP	Dining Rooms Living Rooms	0 0
Description Residence Type Comm Type Mobile Home Type Year Built	SHOP 0	Dining Rooms Living Rooms Family Rooms	0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age	SHOP 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms	0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height	SHOP 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure	SHOP 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths	0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories	SHOP 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms	0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior	SHOP 0 0 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation	SHOP 0 0 0 Metal Slab	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type	SHOP 0 0 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	SHOP 0 0 0 Metal Slab	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size	SHOP 0 0 0 Metal Slab Pole Frame Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements	0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	SHOP 0 0 0 Metal Slab Pole Frame	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	0 0 0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport	SHOP 0 0 0 Metal Slab Pole Frame Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	0 0 0 0 0 0 0 0 0 0 0/0 No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size	SHOP 0 0 0 Metal Slab Pole Frame Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Full Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type	SHOP 0 0 0 Metal Slab Pole Frame Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Size Basement Size Garage Carport Garage Size Garage Type Garage Exterior	SHOP 0 0 0 Metal Slab Pole Frame Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft	0 0 0 0 0 0 0 0 0 0/0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width	SHOP 0 0 0 0 Metal Slab Pole Frame Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage Carport Garage Type Garage Exterior Width Length	SHOP 0 0 0 0 Metal Slab Pole Frame Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type	0 0 0 0 0 0 0 0 0 0/0 No No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width	SHOP 0 0 0 0 Metal Slab Pole Frame Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No No 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	SHOP 0 0 0 0 Metal Slab Pole Frame Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Full Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	0 0 0 0 0 0 0 0 0 0/0 No No No No No O
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Exterior Width Length Garage Sq Ft	SHOP 0 0 0 0 Metal Slab Pole Frame Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No No 0 0

Sales

Sale Date 🕏	Sale Price 🕏	Sale Type ♦	Book-Page ♦	Grantee ♦	Grantor ♦
3/23/2022	\$948,000	Arms-Length Transaction	270-013	VIKING FARMS LLC	KNOTH STEPHEN P & DEBRA J
10/19/2007	\$362,500	Close Relative Sale	228-366	KNOTH WILLIAM J & MARILYN R	BRUMMITTE EDNA/EDITH KNOTH
9/18/1958	\$0		088-020	BRUMITTE JOE H & EDNA E	GRAY J R & INA
9/10/1926	\$12,600		055-639	GRAY J R	GRAY J O & LEE, MADDUX H G & NELLIE
6/5/1924	\$0		049-293	GRAY J O & LEE	DULEY GEORGE GEORGE W & WIFE
4/25/1904	\$8,000		027-496	DULEY GEORGE W & MARTHA BELL	DUNN D A & ADDIE
11/4/1892	\$0		018-342	DUNN D A	ROGERS GEORGE P & JULIE A
11/6/1890	\$0		017-142	DUNN D A	ROGERS ALFRED P (A P)
11/22/1886	\$3,700		015-285	ROGERS GEORGE PEARSON	ROGERS FLETCHER, CALDER JOHN & FANNI

Sales/Transfer Info

Click Here for Sales/Transfer Information

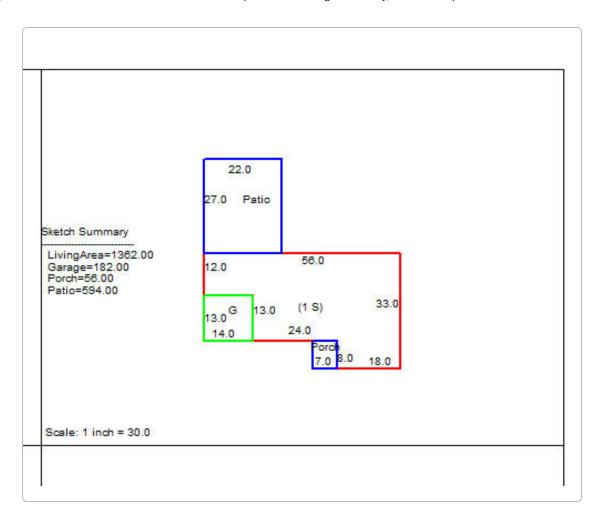
Valuation

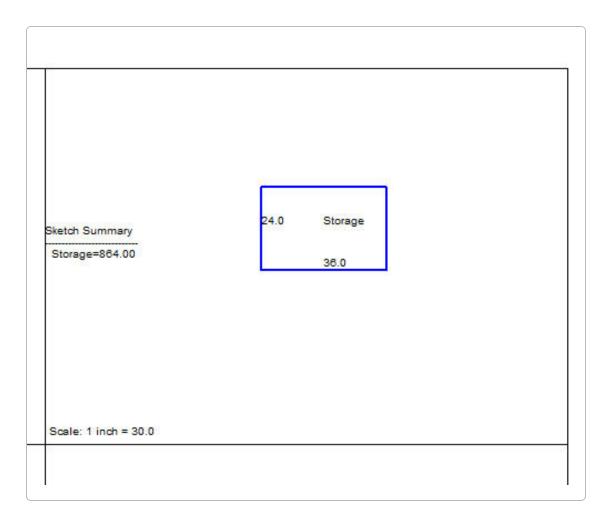
	2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
+ Land Value	\$184,200	\$184,200	\$184,200	\$135,200	\$135,200	\$135,200
+ Improvement Value	\$110,000	\$10,000	\$10,000	\$15,000	\$15,000	\$15,000
+ Ag Improvement Value	\$38,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
= Total Taxable Value	\$332,200	\$195,200	\$195,200	\$151,200	\$151,200	\$151,200
- Exemption Value	\$0	\$0	\$0	\$0	\$0	\$0
= Net Taxable Value	\$332,200	\$195,200	\$195,200	\$151,200	\$151,200	\$151,200
+ Land FCV	\$937,000	\$937,000	\$880,000	\$440,000	\$440,000	\$440,000
+ Improvement FCV	\$110,000	\$10,000	\$10,000	\$15,000	\$15,000	\$15,000
+ Ag Improvement FCV	\$38,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
= Total FCV	\$1,085,000	\$948,000	\$891,000	\$456,000	\$456,000	\$456,000
Exemption						
Farm Acres	352.00	352.00	352.00	352.00	352.00	352.00
Fire Protection Acres	169.00	169.00	169.00	169.00	169.00	169.00
axes						
		2023	2022	2021	2020	2019
Tax		\$1,632.52	\$1,515.40	\$1,180.63	\$1,195.74	\$1,191.21

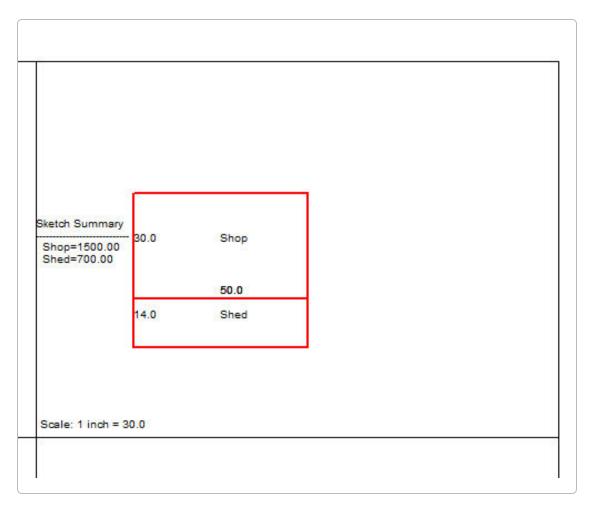
Tax Bill Search

Click Here for Tax Information

Sketches







Photos







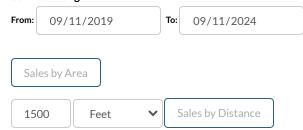






Recent Sales in Area

Sale date range:



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Livingston County, KY PVA

Summary

Parcel Number 043-00-005.00

Account Number 8491

Location AddressBRUMITTE RD 769/STATE DR 706Description32.939 ACRES & CO GARAGE

(Note: Not to be used on legal documents)

Class Exempt County
Tax District 01 County

View Map



Owner

Primary Owner LIV CO FISCAL COURT PO BOX 70 321 COURT ST SMITHLAND, KY 42081

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	1
Acres	0.00	Water	1
Front	0	Gas	1
Depth	0	Sewer	1
Lot Size	0x0	Road	
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Improvement Information

0 0 0 0 0 0 0 0 0
0 0 0 0 0 0
0 0 0 0 0 0
0 0 0 0 0
0 0 0 0
0 0 0 0
0 0 0
0
0
0/0
No
INO
No
No
No
No
_
0
0
0
\$44,150.00
0

No No No

Building Number	2		
Description	PARK SHELTER #1	Kitchens	0
Residence Type		Dining Rooms	0
Comm Type		Living Rooms	0
Mobile Home Type		Family Rooms	0
Year Built	1997	Bedrooms	0
Effective Age	0	Full Baths	0
Ave. Wall Height	0	Half Baths	0
Structure		Other Rooms	0
Number of Stories	0	Total Rooms	0
Exterior	, and the second	Living Sq Ft	0
Foundation		Fireplaces/Water	0/0
Construction Type		Supplemental Heat	
Construction Quality		Mobile Home Model	
Building Condition		Mobile Home Manufacturer	
Roof Type		MH Skirt Foundation	
Roof Cover		Heat	No
Roof Pitch		Heat Source	
Basement Type		Heat Type	
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	
Basement Sq Ft	0	Special Improvements	No
Garage/Carport	<u> </u>	Fire Alarm	No
Garage Size		Sprinklers	No
Garage Type		Porch/Deck	
Garage Type Garage Exterior		Porch Sq Ft	0
Width	0	Deck Sq Ft	0
Length	0	Concrete Sq Ft	0
Garage Sq Ft	0	Farm Bldg Type	
Pool	O	Value	\$16,500.00
Pool Size	0	Driveway	
Tennis Courts	O	Fence	0
Building Number	3	Kitchens	0
Description	3 PARK SHELTER #2	Kitchens Dining Rooms	0 0
Description Residence Type			
Description Residence Type Comm Type		Dining Rooms	0
Description Residence Type Comm Type Mobile Home Type	PARK SHELTER #2	Dining Rooms Living Rooms	0 0
Description Residence Type Comm Type Mobile Home Type Year Built	PARK SHELTER #2 2000	Dining Rooms Living Rooms Family Rooms	0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age	PARK SHELTER #2 2000 0	Dining Rooms Living Rooms Family Rooms Bedrooms	0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height	PARK SHELTER #2 2000	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories	PARK SHELTER #2 2000 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms	0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type	0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size	PARK SHELTER #2 2000 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	PARK SHELTER #2 2000 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	0 0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport	PARK SHELTER #2 2000 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	0 0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size	PARK SHELTER #2 2000 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type	PARK SHELTER #2 2000 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Size Basement Size Garage Carport Garage Size Garage Type Garage Exterior	2000 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage /Carport Garage Size Garage Type Garage Exterior Width	PARK SHELTER #2 2000 0 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage Carport Garage Type Garage Type Garage Exterior Width Length	PARK SHELTER #2 2000 0 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	0 0 0 0 0 0 0 0 0 0/0 No No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Exterior Width Length Garage Sq Ft	PARK SHELTER #2 2000 0 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	PARK SHELTER #2 2000 0 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	0 0 0 0 0 0 0 0 0 0 0/0 No No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Exterior Width Length Garage Sq Ft	PARK SHELTER #2 2000 0 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No No

D. C.P Novel	4		
Building Number	4	Kitchens	0
Description	GARAGE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type			
Year Built	1988	Bedrooms	0
Effective Age	0	Full Baths	0
Ave. Wall Height	0	Half Baths	0
_	O	Other Rooms	0
Structure	_	Total Rooms	0
Number of Stories	0	Living Sq Ft	0
Exterior		Fireplaces/Water	0/0
Foundation			0/0
Construction Type		Supplemental Heat	
Construction Quality		Mobile Home Model	
Building Condition		Mobile Home Manufacturer	
-		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type			No
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	
Basement Sq Ft	0	Special Improvements	No
Garage/Carport	Ŭ	Fire Alarm	No
		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	•	U
Garage Sq Ft	0	Farm Bldg Type	
Pool	_	Value	\$15,200.00
Pool Size	0	Driveway	
	0	Fence	0
Tennis Courts			
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	SALT BARN 0 0 0 0	Kitchens Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0 0 0 0
Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements	No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior		MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	No No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft	No No No No O
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior		MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft	No No No No
Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width	0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	No No No No O O
Roof Type Roof Cover Roof Pitch Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length	0 0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value	No No No No O
Roof Type Roof Cover Roof Pitch Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	0 0 0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	No No No No 0 0 0 0 \$17,700.00
Roof Type Roof Cover Roof Pitch Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft	0 0	MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value	No No No O O

Double Proce Minima Lance			
Building Number	6	Kitchens	0
Description	EQUIPMENT SHED	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	2001		
Effective Age	0	Full Baths	0
Ave. Wall Height	0	Half Baths	0
Structure	· ·	Other Rooms	0
	0	Total Rooms	0
Number of Stories	U	Living Sq Ft	0
Exterior		Fireplaces/Water	0/0
Foundation		Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	NI-
Roof Cover			No
Roof Pitch		Heat Source	
Basement Type		Heat Type	
Basement Finish		Air Conditioning	No
		AC/Type	
Basement Size	0	Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	•	
Length	0	Concrete Sq Ft	0
Garage Sq Ft	0	Farm Bldg Type	
Pool	•	Value	\$49,600.00
Pool Size	0	Driveway	
Tennis Courts	O	Fence	0
Termis Courts			
Building Number Description Residence Type Comm Type	7 ANNOUNCER BOXES/SM&LG DUGOUTS	Kitchens Dining Rooms Living Rooms Family Rooms	0 0 0 0
Mobile Home Type	0	Bedrooms	0
Year Built	0	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure			
Number of Stories		Total Rooms	
F. A. at and	0		0
Exterior	0	Living Sq Ft	0
Exterior Foundation	0	Living Sq Ft Fireplaces/Water	
Foundation	0	Living Sq Ft Fireplaces/Water Supplemental Heat	0
Foundation Construction Type	0	Living Sq Ft Fireplaces/Water	0
Foundation Construction Type Construction Quality	0	Living Sq Ft Fireplaces/Water Supplemental Heat	0
Foundation Construction Type Construction Quality Building Condition	O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model	0
Foundation Construction Type Construction Quality Building Condition Roof Type	O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat	0 0/0
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source	0 0/0
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type	O .	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type	0 0/0 No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0/0
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type		Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0/0 No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements	0 0/0 No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size		Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	0 0/0 No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport		Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	0 0/0 No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size		Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck	O O/O No No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type		Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0/0 No No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck	O O/O No No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0/0 No No No No
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length	0 0 0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft	0 0/0 No No No No O
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Type Garage Exterior Width Length Garage Sq Ft	0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	0 0/0 No No No No O
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	O O O O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0/0 No No No No O
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool Pool Size	0 0 0	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	0 0/0 No No No No 0 0 0 \$40,000.00
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	O O O O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0/0 No No No No O
Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool Pool Size	O O O O	Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	0 0/0 No No No No 0 0 0 \$40,000.00

Building Number	8	Kitchens	0
Description	PUBLIC WORKS GARAGE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type	4000	Bedrooms	0
Year Built	1990	Full Baths	0
Effective Age	0 0	Half Baths	0
Ave. Wall Height	U	Other Rooms	0
Structure	0	Total Rooms	0
Number of Stories Exterior	0	Living Sq Ft	0
Foundation		Fireplaces/Water	0/0
Construction Type		Supplemental Heat	
Construction Quality		Mobile Home Model	
Building Condition		Mobile Home Manufacturer	
Roof Type		MH Skirt Foundation	
Roof Cover		Heat	No
Roof Pitch		Heat Source	
Basement Type		Heat Type	
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	
Basement Sq Ft	0	Special Improvements	No
Garage/Carport		Fire Alarm	No
Garage Size		Sprinklers	No
Garage Type		Porch/Deck	
Garage Exterior		Porch Sq Ft	0
Width	0	Deck Sq Ft	0 0
Length	0	Concrete Sq Ft	U
Garage Sq Ft	0	Farm Bldg Type	¢225 (00 00
Pool		Value Driveway	\$235,600.00
Pool Size	0	Fence	0
Tennis Courts		rence	O
Building Number	9	Kitchens	0
Description	9 INDOOR BATTING FACILITY	Kitchens Dining Rooms	0
Description Residence Type		Dining Rooms	0
Description Residence Type Comm Type		Dining Rooms Living Rooms	
Description Residence Type Comm Type Mobile Home Type	INDOOR BATTING FACILITY	Dining Rooms	0 0
Description Residence Type Comm Type Mobile Home Type Year Built	INDOOR BATTING FACILITY 2014	Dining Rooms Living Rooms Family Rooms	0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age	INDOOR BATTING FACILITY 2014 0	Dining Rooms Living Rooms Family Rooms Bedrooms	0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height	INDOOR BATTING FACILITY 2014	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms	0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	INDOOR BATTING FACILITY 2014 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type	0 0 0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements	0 0 0 0 0 0 0 0 0 0 0/0 No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	0 0 0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	0 0 0 0 0 0 0 0 0 0 0/0 No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport	INDOOR BATTING FACILITY 2014 0 0 Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior	2014 0 0 Metal Gable Metal	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage /Carport Garage Size Garage Type Garage Exterior Width	2014 0 0 Metal Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft	0 0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length	2014 0 0 0 Metal Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Exterior Width Length Garage Sq Ft	2014 0 0 Metal Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	2014 0 0 0 Metal Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Exterior Width Length Garage Sq Ft	2014 0 0 0 Metal Gable Metal 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	0 0 0 0 0 0 0 0 0 0/0 No No No No

Sales/Transfer Info

Click Here for Sales/Transfer Information

Valuation

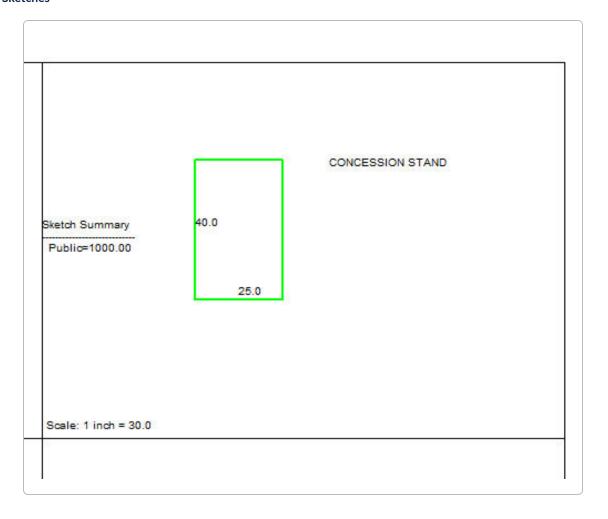
	2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
+ Land Value	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
+ Improvement Value	\$502,050	\$502,050	\$502,050	\$502,050	\$502,050	\$502,050
+ Ag Improvement Value	\$0	\$0	\$0	\$0	\$0	\$0
= Total Taxable Value	\$752,050	\$752,050	\$752,050	\$752,050	\$752,050	\$752,050
- Exemption Value	\$0	\$0	\$0	\$0	\$0	\$0

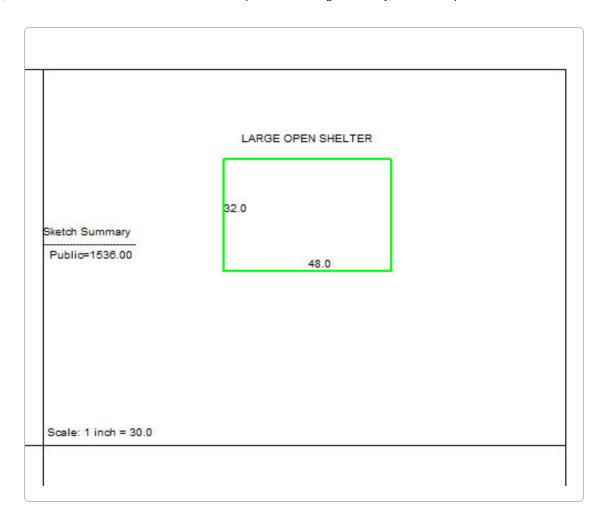
	2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
= Net Taxable Value	\$752,050	\$752,050	\$752,050	\$752,050	\$752,050	\$752,050
+ Land FCV	\$0	\$0	\$0	\$0	\$0	\$0
+ Improvement FCV	\$0	\$0	\$ O	\$0	\$0	\$0
+ Ag Improvement FCV	\$O	\$0	\$0	\$0	\$0	\$0
= Total FCV	\$0	\$0	\$0	\$0	\$0	\$0
Exemption						
Farm Acres	0.00	0.00	0.00	0.00	0.00	0.00
Fire Protection Acres	0.00	0.00	0.00	0.00	0.00	0.00

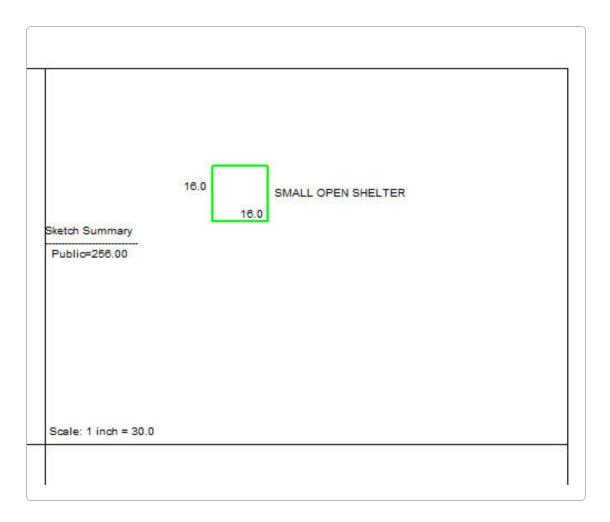
Tax Bill Search

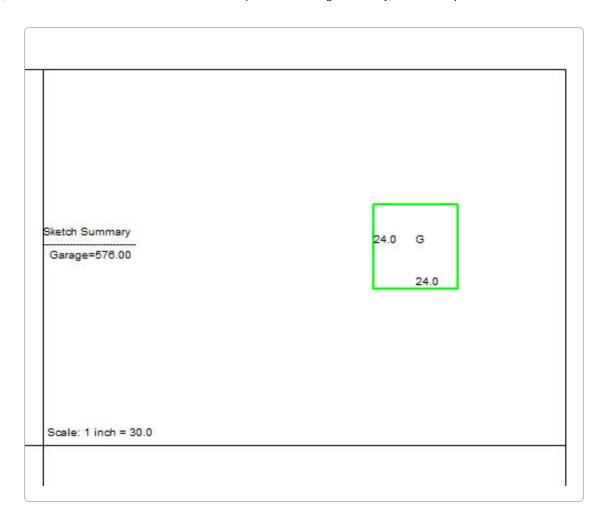
Click Here for Tax Information

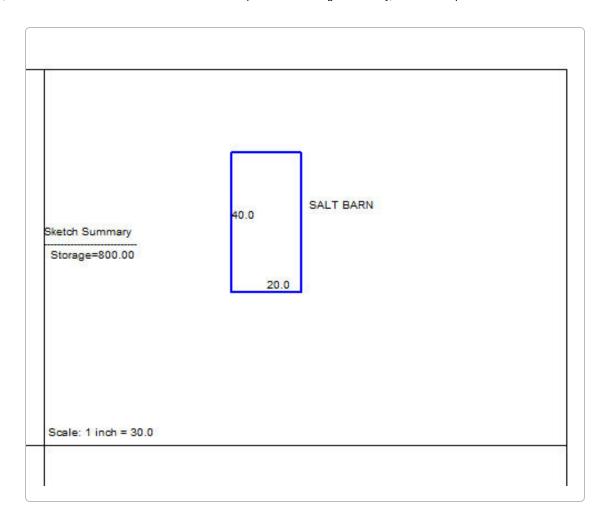
Sketches

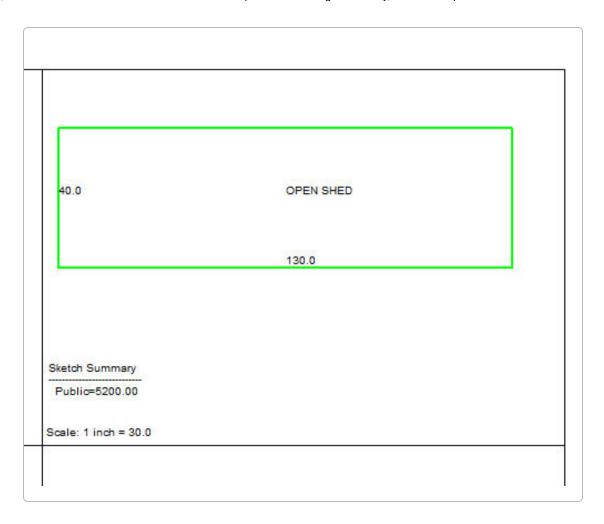


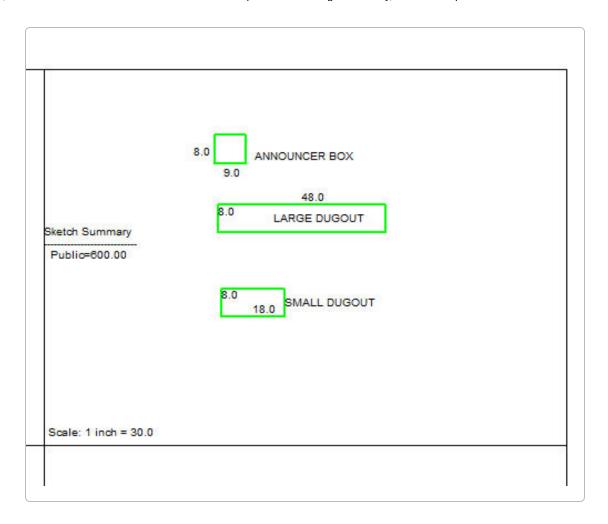


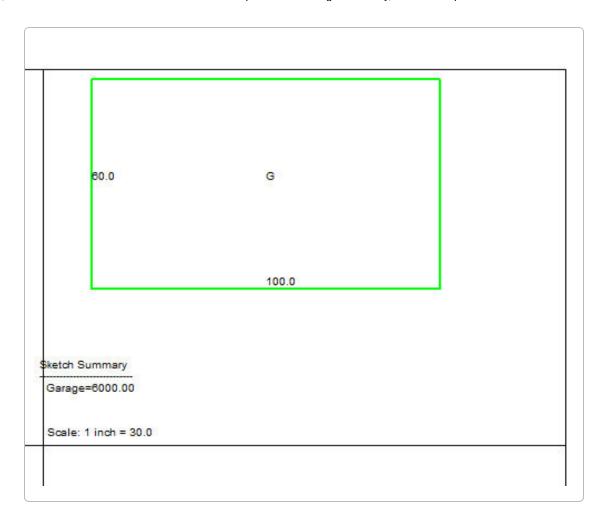


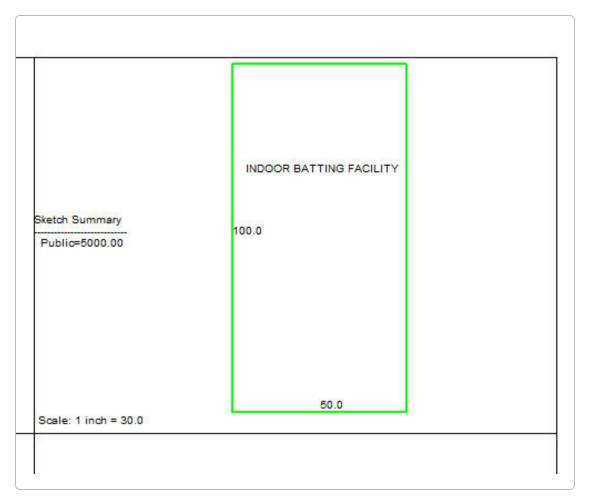












Photos





































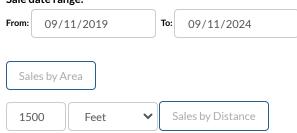






Recent Sales in Area

Sale date range:



No data available for the following modules: ${\sf Sales}, {\sf Taxes}.$

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Livingston County, KY PVA

Summary

 Parcel Number
 043-00-00-006.00

 Account Number
 8319

Location Address US 60 EAST 811

Description STATE GAR SALT SHED & HWY DEPT 23.09 AC

(Note: Not to be used on legal documents)

Class Exempt State
Tax District 01 County

View Map



Owner

Primary Owner

COMMONWEALTH OF KY

KY TRANSPORTATION CABINET

DEPT OF HWYS FRANKFORT, KY

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	
Acres	0.00	Water	
Front	0	Gas	
Depth	0	Sewer	
Lot Size	0x0	Road	
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Improvement Information

inprovement information			
Building Number	1	Kitchens	0
Description	BRIDGE CREW GARAGE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	2004	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure		Total Rooms	0
Number of Stories	1	Living Sq Ft	0
Exterior		Fireplaces/Water	0/0
Foundation	W 15	Supplemental Heat	
Construction Type	Wood Frame	Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition	Very Good/Excellent	MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type		Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior	400	Deck Sq Ft	0
Width	100	Concrete Sq Ft	0
Length	40	Farm Bldg Type	
Garage Sq Ft Pool	0	Value	\$120,000.00
Pool Size	2	Driveway	
	0	Fence	0
Tennis Courts			

No No No

Building Number	2		
	SALT STORAGE	Kitchens	0
Description	SALISTORAGE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	2004	Full Baths	0
Effective Age	0		
Ave. Wall Height	0	Half Baths	0
Structure		Other Rooms	0
Number of Stories	1	Total Rooms	0
Exterior	1	Living Sq Ft	0
Foundation		Fireplaces/Water	0/0
		Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover			140
Roof Pitch		Heat Source	
Basement Type		Heat Type	
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	
Basement Sq Ft	0	Special Improvements	No
•	U	Fire Alarm	No
Garage/Carport		Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	Ö
Length	0		o .
Garage Sq Ft	0	Farm Bldg Type	¢05,000,00
Pool		Value	\$25,000.00
Pool Size	0	Driveway	_
Tennis Courts	· ·	Fence	0
Building Number	3	Vitchons	0
Building Number Description	3 DEPT OF TRANSP BLDG	Kitchens	0
-		Dining Rooms	0
Description Residence Type		Dining Rooms Living Rooms	0 0
Description Residence Type Comm Type		Dining Rooms Living Rooms Family Rooms	0 0 0
Description Residence Type Comm Type Mobile Home Type	DEPT OF TRANSP BLDG	Dining Rooms Living Rooms Family Rooms Bedrooms	0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built	DEPT OF TRANSP BLDG 1978	Dining Rooms Living Rooms Family Rooms	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age	DEPT OF TRANSP BLDG 1978 0	Dining Rooms Living Rooms Family Rooms Bedrooms	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height	DEPT OF TRANSP BLDG 1978	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths	0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories	DEPT OF TRANSP BLDG 1978 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms	0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation	0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat	0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Heat Source	0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type	0 0 0 0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning	0 0 0 0 0 0 0 0 0 0 0 0 0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type	0 0 0 0 0 0 0 0 0 0 0 0/0
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage/Carport	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements	0 0 0 0 0 0 0 0 0 0 0/0 No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm	0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type	DEPT OF TRANSP BLDG 1978 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers	0 0 0 0 0 0 0 0 0 0/0 No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Size Basement Size Garage Carport Garage Size Garage Type Garage Exterior	1978 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage /Carport Garage Size Garage Type Garage Exterior Width	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage Carport Garage Size Garage Type Garage Exterior Width Length	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Type Basement Size Basement Sq Ft Garage Carport Garage Size Garage Type Garage Exterior Width Length	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Deck Sq Ft Concrete Sq Ft Farm Bldg Type Value Driveway	0 0 0 0 0 0 0 0 0 0 0/0 No No No No No
Description Residence Type Comm Type Mobile Home Type Year Built Effective Age Ave. Wall Height Structure Number of Stories Exterior Foundation Construction Type Construction Quality Building Condition Roof Type Roof Cover Roof Pitch Basement Type Basement Finish Basement Size Basement Sq Ft Garage/Carport Garage Size Garage Type Garage Exterior Width Length Garage Sq Ft Pool	DEPT OF TRANSP BLDG 1978 0 0 0 0	Dining Rooms Living Rooms Family Rooms Bedrooms Full Baths Half Baths Other Rooms Total Rooms Living Sq Ft Fireplaces/Water Supplemental Heat Mobile Home Model Mobile Home Manufacturer MH Skirt Foundation Heat Heat Source Heat Type Air Conditioning AC/Type Special Improvements Fire Alarm Sprinklers Porch/Deck Porch Sq Ft Concrete Sq Ft Farm Bldg Type Value	0 0 0 0 0 0 0 0 0 0/0 No No No No

Building Number	4	Kitah ana	0
Description	SHED	Kitchens Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	0	Full Baths	
Effective Age	0	Full Baths Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure		Other Rooms Total Rooms	0
Number of Stories	0		0
Exterior		Living Sq Ft	0
Foundation		Fireplaces/Water	0/0
Construction Type		Supplemental Heat	
Construction Quality		Mobile Home Model	
Building Condition		Mobile Home Manufacturer	
Roof Type		MH Skirt Foundation	
Roof Cover		Heat	No
Roof Pitch		Heat Source	
Basement Type		Heat Type	
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	
Basement Sq Ft	0	Special Improvements	No
Garage/Carport	ū	Fire Alarm	No
Garage Size		Sprinklers	No
Garage Type		Porch/Deck	
Garage Type Garage Exterior		Porch Sq Ft	0
Width	0	Deck Sq Ft	0
Length	0	Concrete Sq Ft	0
Garage Sq Ft	0	Farm Bldg Type	
Pool	O	Value	\$4,000.00
Pool Size	0	Driveway	
	0	Fence	0
Tennis Courts			

Building Number	5	Kitchens	0
Description	STATE GARAGE MAINTENANCE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	1979	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	Ö
Structure		Total Rooms	Ö
Number of Stories	0	Living Sq Ft	Ö
Exterior		Fireplaces/Water	0/0
Foundation		Supplemental Heat	0,0
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	INO
Roof Pitch			
Basement Type		Heat Type	NI-
Basement Finish		Air Conditioning	No
Basement Size		AC/Type	NI-
Basement Sq Ft	0	Special Improvements	No
Garage/Carport		Fire Alarm	No
Garage Size		Sprinklers	No
Garage Type		Porch/Deck	
Garage Exterior		Porch Sq Ft	0
Width	0	Deck Sq Ft	0
Length	0	Concrete Sq Ft	0
Garage Sq Ft	0	Farm Bldg Type	
Pool	Š	Value	\$50,000.00
Pool Size	0	Driveway	
Tennis Courts	· ·	Fence	0
icimis courts			

Description EQUIPMENT SHED Kitchens O Dining Rooms Dining Rooms O Dining Rooms	Building Number	6		
Residence Type	•		Kitchens	0
Comm Type Living Rooms 0 Mobile Home Type Bedrooms 0 Year Built 2015 Full Baths 0 Keffective Age 0 Half Baths 0 Ave. Wall Height 0 Other Rooms 0 Structure Other Rooms 0 0 Number of Stories 0 Living Sq Ft 0 Exterior Fireplaces/Water 0/0 Foundation Fireplaces/Water 0/0 Construction Type Supplemental Heat 0/0 Construction Quality Mobile Home Model 0/0 Construction Quality Mobile Home Manufacturer Wild Skirt Foundation No Roof Type Heat Source No No Roof Operation Heat Type No No Basement Type Heat Type No No Basement Sq Ft AC/Type No No Basement Sq Ft O Fire Alarm No Garage Type Porch/Deck O <td< th=""><td>•</td><td>240</td><td>•</td><td>0</td></td<>	•	240	•	0
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Structure			Half Baths	0
Number of Stories 0	<u> </u>	O	Other Rooms	0
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Tennis Courts	Pool Size	0		0
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Sales/Transfer Info

Click Here for Sales/Transfer Information

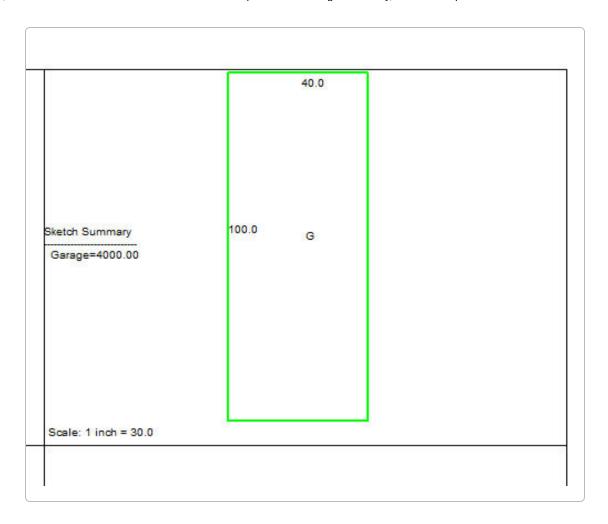
Valuation

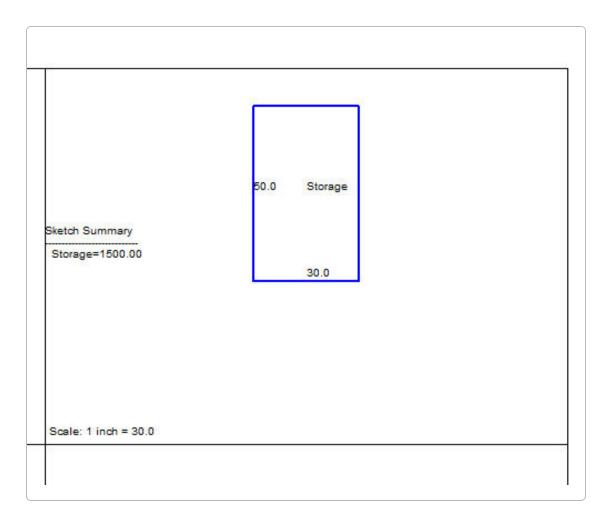
	2024 Working	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
+ Land Value	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000	\$58,000
+ Improvement Value	\$414,000	\$414,000	\$414,000	\$414,000	\$414,000	\$414,000
+ Ag Improvement Value	\$0	\$ 0	\$0	\$0	\$0	\$0
= Total Taxable Value	\$472,000	\$472,000	\$472,000	\$472,000	\$472,000	\$472,000
- Exemption Value	\$0	\$0	\$0	\$0	\$0	\$0
= Net Taxable Value	\$472,000	\$472,000	\$472,000	\$472,000	\$472,000	\$472,000
+ Land FCV	\$0	\$O	\$O	\$O	\$0	\$0
+ Improvement FCV	\$0	\$0	\$0	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$O	\$O	\$0	\$0	\$0
= Total FCV	\$0	\$0	\$0	\$0	\$0	\$0
Exemption						
Farm Acres	0.00	0.00	0.00	0.00	0.00	0.00
Fire Protection Acres	0.00	0.00	0.00	0.00	0.00	0.00

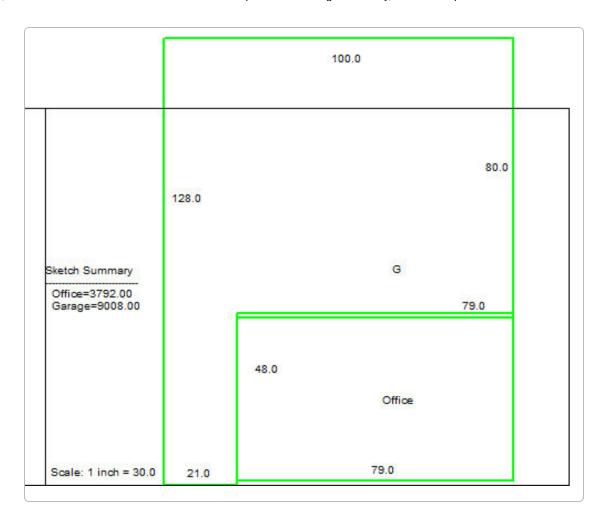
Tax Bill Search

Click Here for Tax Information

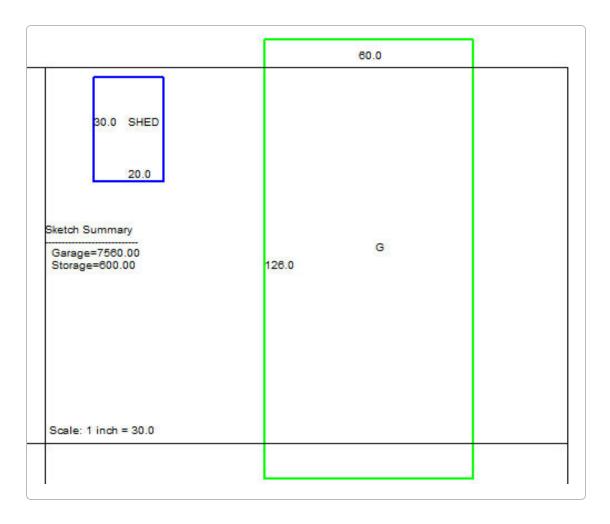
Sketches







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Photos







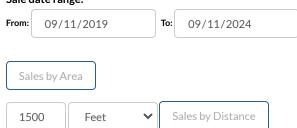






Recent Sales in Area

Sale date range:



No data available for the following modules: Sales, Taxes.

Under Kentucky State Law, KRS 171.410, these records are public information and may appear on the Internet. If you believe any data is inaccurate, or if you have any comments about our site, we would like to hear from you. Comments may be made by telephone at (270) 928-2524. We do our best to ensure that all of our data is accurate, but the PVA does not assume any liability associated with the use or misuse of this data.

| User Privacy Policy | GDPR Privacy Notice Last Data Upload: 9/10/2024, 5:29:38 PM Contact Us















SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON L	DELIVERY
 Complete items 1, 2, and 3. Print your name and address by the reperse 24 so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to: 	B. Received by (Printed Name) AHAILY AND INTERPLED D. Is delivery address different from	item 1? Yes
Champion Nancy K (Katie) 985 US Hwy 60 East Smithland, KY 42081	If YES, enter delivery address b	pelow: No
9590 9402 7926 2305 8809 49 2. Article Number (Transfer from service label)	3. Service Type Adult Signature Adult Signature Restricted Delivery Certified Mail® Certified Mail Restricted Delivery Collect on Delivery Collect on Delivery Restricted Delivery	□ Priority Mail Express® □ Registered Mail™ □ Registered Mail Restricted Delivery □ Signature Confirmation™ □ Signature Confirmation Restricted Delivery
PS Form 3811, July 2020 PSN 7530-02-000-9053	(over \$500)	omestic Return Receipt
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PS Form 3811, July 2020 PSN 7530-02-000-9053	(over \$500)	omestic Return Receipt
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Article Addressed to: Viking Farms LLC	D. Is delivery address different from If YES, enter delivery address b	
5681 Old Mystic Court Jupiter, FL 33458		
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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 Site Name: EV SMITHLAND NORTH

Dear Landowner:

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on Brumitte Road, Smithland, Kentucky 42081 (37° 09' 27.01" North latitude, 88° 23' 45.38" West longitude). The proposed facility will include a 250-foot tall guyed tower with a 5-foot tall lightning arrestor attached at the top for a total height of 255 feet, plus related ground facilities. This facility is needed to provide improved service for wireless communications in the area.

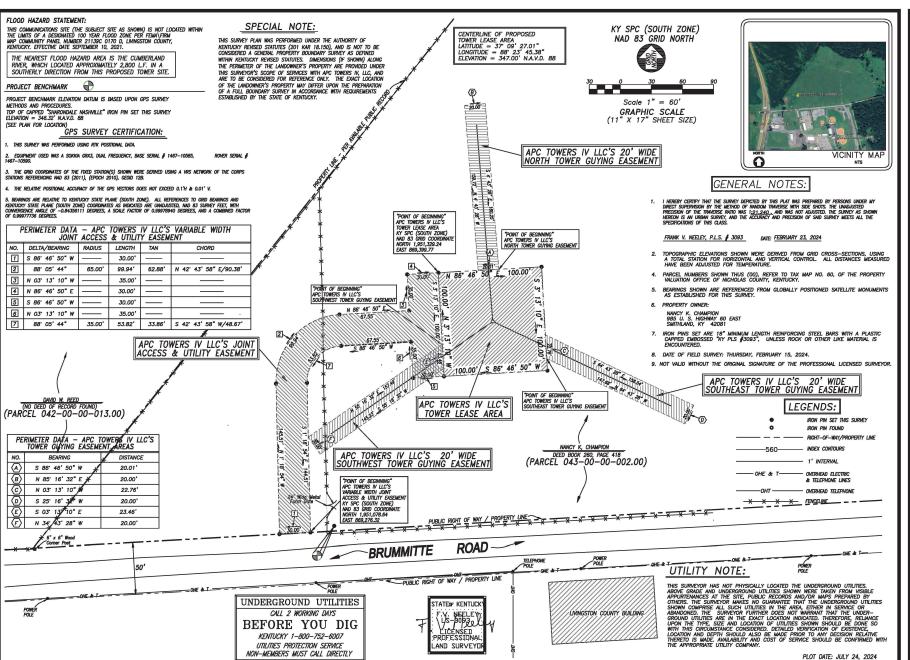
This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site <u>or</u> contiguous to the property on which the tower is to be constructed. You have a right to submit testimony 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 2024-00291 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.

Sincerely, David A. Pike Attorney for Applicant

enclosures





APC Towers

STARONDALE
SURVEYING
NO.
161 MARIN RAD
BON AQUA, IN 37025
BON AQUA, IN 37025
EVALUES STANDARD
EVALUES STANDA

LOCATED IN: SMITHLAND NORTH" TOWER SITE
TOWER LEASE AREA SURVEY
PREPARED FOR: APC TOWERS IV LLC
APC TOWERS IV LLC SITE NUMBER: 5000931481

SHEET NUMBER:

1 OF

PROJECT NUMBER: 224.014.20

EXHIBIT L COPY OF COUNTY JUDGE/EXECUTIVE 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

Teris Swanson County Judge Executive P.O. Box 70 Smithland, KY 42081

RE: Notice of Proposal to Construct Wireless Communications Facility

Kentucky Public Service Commission Docket No. 2024-00291

Site Name: EV Smithland North

Dear Judge/Executive:

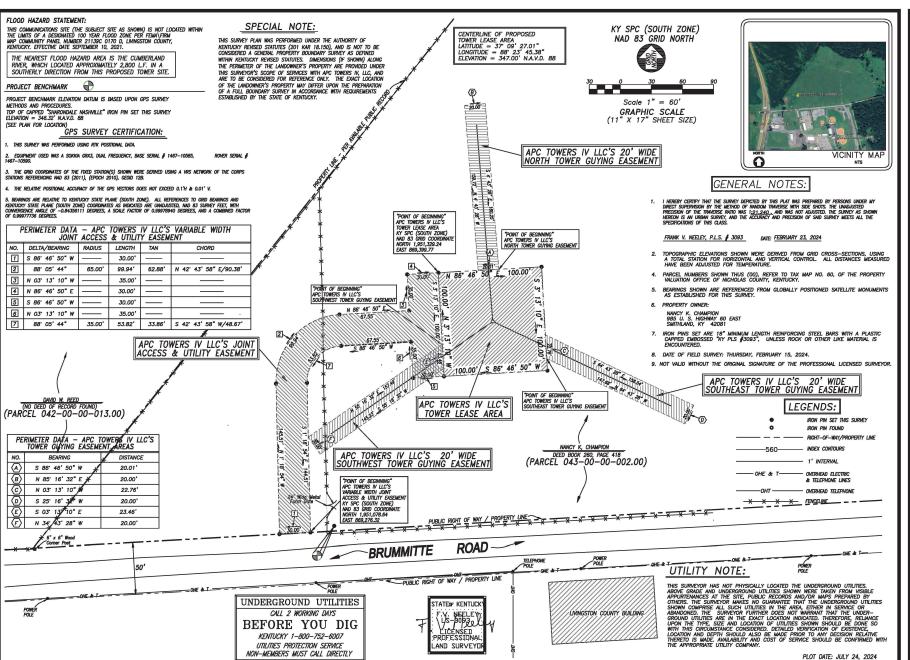
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You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2024-00291 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. Verizon Wireless' radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

Sincerely, David A. Pike Attorney for Applicant enclosures





APC Towers

STARONDALE
SURVEYING
NO.
161 MARIN RAD
BON AQUA, IN 37025
BON AQUA, IN 37025
EVALUES STANDARD
EVALUES STANDA

LOCATED IN: SMITHLAND NORTH" TOWER SITE
TOWER LEASE AREA SURVEY
PREPARED FOR: APC TOWERS IV LLC
APC TOWERS IV LLC SITE NUMBER: 5000931481

SHEET NUMBER:

1 OF

PROJECT NUMBER: 224.014.20

COMPLETE THIS SECTION ON DELIVERY SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Agent Agent Print your name and address on the reverse ☐ Addressee so that we can return the card to you. (Printed Name) Date of Delivery Attach this card to the back of the mailpiece, or on the front if space permits. Is delivery address different from 1. Article Addressed to: tem 1? If YES, enter delivery address below: ☐ No Teris Swanson County Judge Executive P. O. Box 70 Smithland, KY 42081 3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Adult Signature ☐ Adult Signature Restricted Delivery Certified Mail® ☐ Registered Mail Restricted Delivery 9590 9402 7926 2305 8810 38 ☐ Certified Mail Restricted Delivery ☐ Signature Confirmation™ ☐ Collect on Delivery ☐ Collect on Delivery Restricted Delivery ☐ Signature Confirmation Restricted Delivery 2. Article Number (Transfer from service label) ☐ Insured Mail Insured Mail Restricted Delivery (over \$500) 7022 3330 0000 3636 7146 PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt



EXHIBIT M COPY OF POSTED NOTICES AND NEWSPAPER NOTICE ADVERTISEMENT

SITE NAME: EV SMITHLAND NORTH 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.

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless 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 2024-00291 in your correspondence.

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless 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 2024-00291 in your correspondence.



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

Livingston Ledger Attn: Public Notice Ad Placement 129 Adair St. Smithland, KY 42081 (270) 442-7389

Via Email: kpibrenda7@gmail.com

greg007@ky-news.com

RE: Legal Notice Advertisement

Site Name: EV Smithland North

Dear Livingston Ledger:

Please publish the following legal notice advertisement in the next edition of *The Livingston Ledger*:

NOTICE

APC Towers IV, LLC, a Delaware limited liability company, and Cellco Partnership d/b/a Verizon Wireless are filing an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at Brumitt Road, Smithland, KY 42081 (37°09'27.01" North latitude, 88°23'45.38" West longitude). 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 2024-00291 in any correspondence sent in connection with this matter.

After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Pike Legal Group, PLLC, P. O. Box 369, Shepherdsville, KY 40165. Please call me at (800) 516-4293 if you have any questions. Thank you for your assistance.

Sincerely, Aaron L. Roof Pike Legal Group, PLLC

EXHIBIT N COPY OF RADIO FREQUENCY DESIGN SEARCH AREA

