COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

In the Matter of:	JAN 1 8 2019
THE APPLICATION OF PI TOWER DEVELOPMENT, LLC FOR ISSUANCE OF A CERTIFICATE OF PUBLIC CONVENEINCE AND NECESSITY TO CONSTRUCT A WIRELESS COMMUNICATIONS FACILITY IN THE COMMONWEALTH OF KENTUCKY IN THE COUNTY OF WHITLEY	PUBLIC SERVICE COMMISSION CASE NO.: 2019-00012

SITE NAME: CORBIN SOUTH

APPLICATION FOR CERTIFICATE OF PUBLIC CONVENEINCE AND NECESSITY FOR CONSTRUCTION OF A WIRELESS COMMUNCIATIONS FACILITY

PI Tower Development, LLC, a Delaware limited liability company ("Applicant"), by counsel, pursuant to KRS 278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and pursuant to the Telecommunications Act of 1996, respectfully submits this Application requesting issuance of a Certificate of Public Convenience and Necessity ("CPCN") from the Kentucky Public Service Commission ("PSC") to construct, maintain, and operate a cellular tower facility ("Facility") to serve the customers of Verizon Wireless with wireless communications services.

In support of this Application, the Applicant provides the following information:

1. The complete name and address of the Applicant is PI Tower Development, LLC, a Delaware limited liability company, having an address of 909 Lake Carolyn Parkway, Suite 260, Irving, Texas 75039.

- 2. Applicant proposes construction of a self-supporting tower for communications services, which is to be located in an area outside of the jurisdiction of a planning commission. Thus, Applicant submits the instant application.
- 3. The Certificate of Formation for PI Tower Development, LLC is attached hereto as **Exhibit A**. The Applicant is in good standing in the state of Delaware and is authorized to transact business in the Commonwealth of Kentucky.
- 4. Verizon Wireless operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. The facility will be constructed and operated in accord with the applicable FCC regulations. Applicant will build, own, and manage the tower and tower compound where Verizon Wireless will place its equipment, building, antennas, and equipment.
- 5. The public convenience and necessity require the construction of the proposed Facility. The construction of the Facility will improve Verizon Wireless' services to an area currently not served or inadequately served by Verizon Wireless by increasing coverage and capacity, and thus enhancing access to wireless communication. The Facility will link with other Verizon Wireless sites in and around the general area, and will provide continuous coverage to other existing network sites, as well as provide an offload for the existing network, and would give Verizon Wireless an opportunity to grow their network and provide consistent coverage in Corbin, Whitley County, and along the Interstate 75 corridor.
- 6. To accommodate the needs and opportunities described, *supra*, the Applicant proposes to construct a Facility on Fifth Street Road, a/k/a Kentucky Highway 727 in Whitley County, Kentucky (coordinates 36° 55' 32.03" N, 84° 07' 51.69" W) on land

located wholly within Whitley County. The property where the Facility is to be located is owned by Todd and Millicent Childers, pursuant to a Deed recorded in Deed Book 466, Page 260 in the office of the Whitley County Clerk. The Facility will consist of a 195-foot tall, self-supporting tower, with an approximately 4-foot tall lightning arrestor on the top of the Facility, for a total height of 199 feet. The Facility will also include concrete foundations and a shelter or cabinets to accommodate the placement of Verizon Wireless' equipment. Such shelter or cabinet will be inspected by the relevant authorities and certified for use prior to occupancy. The Facility will be fenced and all access to the Facility secured. A description of the manner in which the Facility will be constructed is attached hereto as **Exhibit B**.

- 7. A list of utilities, corporations, or persons with whom the proposed Facility is likely to compete is attached hereto as **Exhibit C**.
- 8. The site development plan is included as part of **Exhibit B**, and a vertical profile sketch of the Facility, signed and sealed by a professional engineer registered in Kentucky, depicting the tower, its height, and its proposed configuration for the antennas is attached hereto as **Exhibit D**. This Facility has been designed to permit future colocation.
- 9. Foundation and design plans sealed by a professional engineer registered in Kentucky and a description of the standards according to which the Facility has been designed are included with **Exhibit D**.
- 10. The Applicant has considered the likely effects of the installation of the proposed Facility on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be

provided, and that there are no reasonably available opportunities to co-locate Verizon Wireless' antennas on an existing structure. No suitable or available co-location site was found to be located in the vicinity of the proposed Facility.

- 11. A copy of the Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration is attached hereto as **Exhibit E**.
- 12. A copy of the Kentucky Airport Zoning Commission Approval to construct the tower is attached hereto as **Exhibit F**.
- 13. A geotechnical engineering firm has performed soil boring and subsequent geotechnical engineering studies at the Facility site. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, along with the identifying information for the engineer, is attached hereto as **Exhibit G**.
- 14. Clear directions to the proposed Facility from the County seat, along with the name and telephone number of the preparer, are attached hereto as **Exhibit H**.
- 15. The Applicant, pursuant to a written agreement with the landowner, have acquired the right to use the Facility site and associated property rights. A copy of the Memorandum of this agreement is attached hereto as **Exhibit I**.
- 16. Personnel directly responsible for the design and construction of the proposed Facility are qualified and experienced. The tower design and drawings bear the stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable law.

- 17. The Construction Manager for the Facility is Robert C. Wood, and the identity and qualifications of each person directly responsible for design and construction of the tower are included in **Exhibit B**.
 - 18. The Facility is not located within any flood hazard area.
- 19. A map drawn to appropriate scale that shows the location of the proposed tower and identifies every owner of real estate located within 500 feet of the proposed Facility (according to records maintained by the Whitley County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed Facility or within 200 feet of the access road, including intersection with the public street system, is illustrated in **Exhibit B**.
- 20. The Applicant has notified every person who, according to the records maintained by the Whitley County Property Valuation Administrator, owns property which is within 500 feet of the proposed Facility 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 telephone number and address of the PSC, and has been informed of her or his right to request intervention in this matter. A list of the notified property owners is attached hereto as **Exhibit J**. A copy of the form of the notice sent by certified mail is attached hereto as **Exhibit K**.
- 21. Applicants have notified the Whitley County Judge/Executive by certified mail, return receipt requested, of the proposed construction. The notice included the PSC docket number under which the application will be processed and informed the

Judge/Executive of his right to request intervention. A copy of this notice is attached as **Exhibit L**.

- 22. Notice signs meeting the requirements of 807 KAR 5:063 Section 1 that measure at least 2 feet in height and 4 feet in width and that contain all required verbiage in letters of the required size and 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 this Application, and a copy of the text of these signs is attached hereto as **Exhibit M**. Notice of the location of the proposed facility has been published in a newspaper of general circulation in Whitley County.
- 23. The general area where the facility is to be located is rural, sparsely populated, and largely wooded; however, it is in close proximity to the Interstate 75 right-of-way.
- 24. The process that was used by Verizon Wireless' radio frequency ("RF") engineers in selecting the site for the Facility was consistent with the general process used for selecting all other existing and proposed Facilities within the proposed network design area. Verizon Wireless' RF engineers have conducted studies and tests in order to develop an appropriate network 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. An RF design search area prepared in reference to these RF studies was considered by the Applicant when searching for sites for its antennas that would provide the coverage deemed necessary by Verizon Wireless. 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 RF requirements is attached hereto as **Exhibit N**.

- 25. The tower must be located at the proposed location and proposed height to provide necessary service in the area.
- 26. All Exhibits are hereby incorporated by reference as if fully set forth herein as part of the Application.
- 27. Any and all responses and requests related to or associated with this Application may be directed to:

W. Brent Rice
Jacob C. Walbourn
McBrayer, McGinnis, Leslie & Kirkland, PLLC
201 East Main Street, Suite 900
Lexington, Kentucky 40507
(859) 231-8780 (phone)
(859) 231-6518 (fax)
brice@mmlk.com
jwalbourn@mmlk.com

WHEREFORE, the Applicant respectfully requests that the PSC accept this Application for filing, and having met all relevant legal requirements, grant a Certificate of Public Convenience and Necessity to construct and operate the Facility at the location described herein.

Respectfully submitted,

W. Brent Rice

Jacob C. Walbourn

McBrayer, McGinnis, Leslie & Kirkland, PLLC

201 East Main Street, Suite 900

Lexington, Kentucky 40507

(859) 231-8780 (phone)

(859) 231-6518 (fax)

brice@mmlk.com

jwalbourn@mmlk.com

LIST OF EXHIBITS

Exhibit A Corporate Documents and FCC Licenses

Exhibit B Site Plan/Construction Detail

Exhibit C Likely Competitors

Exhibit D Structural Design Report

Exhibit E FAA No Hazard Letter

Exhibit F KAZC Letter

Exhibit G Geotechnical Report

Exhibit H Directions from County Seat

Exhibit I Memorandum of Lease Option

Exhibit J Property Owner Notice List Documents

Exhibit K Copies of Notice Letters

Exhibit L Copy of Letter to Judge-Executive

Exhibit M Notice Sign Language

Exhibit N SARF/Search Ring

EXHIBIT

A

State of Delaware Secretary of State Division of Corporations Delivered 11:24 AM 10/07/2015 FILED 11:24 AM 10 07/2015 SR 20150414492 - File Number 5844275

STATE of DELAWARE LIMITED LIABILITY COMPANY CERTIFICATE of FORMATION

First: The name of the limited liability company is Pl Tower Development LLC.

Second: The address of its registered office in the State of Delaware is 2711 Centerville Road, Suite 400 in the City of Wilmington. Zip code 19808. The name of its Registered Agent at such address is Corporation Service Company.

In Witness Whereof, the undersigned have executed this Certificate of Formation this 7th day of October, 2015.

PI Tower Development LLC

By: Kolleen O.P. Cobb, Authorized Person

EXHIBIT

B



LENDLEASE (US) TELECOM HOLDINGS LLC C/O PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD. SUITE 300 **CHARLOTTE. NC 28208**

NEW 195' SELF SUPPORT TOWER w/4' LIGHTNING ARRESTOR **TOTAL TOWER HEIGHT 199**

TENANT: CELLCO PARTNERSHIP d/b/a VERIZON WIRELESS "LV CORBIN SOUTH" FROM WHITLEY COUNTY CLERK: 200 MAIN ST II.2, WILLIAMSBURG, KY 40769: HEAD SOUTHWEST ON MAIN ST TOWARD N 3RD ST (177 FT). TURN LEFT ONTO 5 3RD ST (282 FT). TURN LEFT AT THE 1ST CROSS FROM WHILEY COUNTY CLERKE 200 MAIN 31 RZ, WILLIAMSQUING, KT QUEST HOUSE ON MAINS I COWARD WISHOOD THE READ SOUTHWEST ON MAINS I COWARD WISHOOD TO THE READ ONTO 1-75 N (0.3 MI), MERGE ONTO 1-75 N (0.3 MI), MERCE ONTO 1-75 N (0.

BUILDING CODE STRUCTURAL CODE

LECTRICAL CODE

ECHANICAL CODE

MEALER SAFETY COOF

PREPARED BY: POWER OF DESIGN GROUP, LLC - (502) 437-5252

PI TOWER DEVELOPMENT LLC SITE

VERIZON WIRELESS SITE LV CORBIN SOUTH PROJECT#: 20151181806

SITE ADDRESS STH STREET ROAD a.k.a KENTUCKY HIGH

WHITLEY COUNTY F911 ADDRESS: TBD TOWER OWNER

LENDLEASE (US) TELECOM HOLDINGS LLC
(JO PI TOWER DEVELOPMENT LLC
2320 CASCADE POINT BLVD, SUITE 300 PI TOWER DEVELOPMENT LLC LEASE
AREA

AREA MOBILE: (513) 259-3673

PLENDLEASE COM ROPERTY OWNER

TODD AND MILLICENT CHILDERS PHONE: (606) 528-8924

POLICE WHITLEY COUNTY SHERIFF DEPT. 200 MAIN ST #4 WILLIAMSBURG, KY 40769 PHONE: (606) 549-6006

OAK GROVE VOLUNTARY FIRE DEPT 4613 CUMBERLAND FALLS HWY CORBIN, KY 40701 PHONE: (606) 528-3362

GENERAL INFORMATION LATITUDE: 36° 55' 32 03" N LONGITUDE: 84° 07' 51.69" W 1983 (NAD83) ELEVATION: 1,397.00' AMSL

(8,000 SF)

VERIZON WIRELESS LEASE AREA 12"-0" x 30'-0"

PROJECT TOTAL DISTURBED AREA

COMPOUND: (000,000 SF) = (00.2 ACRE

ACCESS DRIVE: (095,616 SF) = (02.2 ACRE (012,941 SF) = (00.3 ACRE) (116,557 SF) = (02.7 ACRE) GROSS AREA

TOWER DEVELOPMENT LLC SCOPE:
WISTALL A NEW 195' SHAF SUPPORT TOWER =/ 4' LIGHTMING ROD (TOTAL 1995) INSTALLA ARTO TEST ELET SUPPORT TOWERS MY ELECTRONIS DOE (TOTAL 1999)

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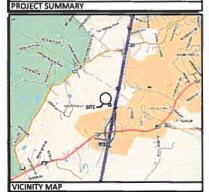
RESTALLA

INSTALL [1] NEW "VERLICON WIRELESS ONLY" FIBER OPTIC COMOUNT WITH PULL TAPE AND TRACER WIRE FROM VZW (DUPPLIENT TO NEW <u>"VERLICON WIRELESS ONLY"</u> 24" # 36" HAND HOLE DUTFICH COMPANIES OF THE PROPERTY OF T

HERA FLOCIAL LOCATION.
PERMANENT ELECTRIC POWER MUST BE AVAILABLE FOR VERIZON WIRELESS AT THE METER BASE.
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PROJECT DESCRIPTION





2012 INTERNATIONAL FIRE CODE (2012 IFC) 2012 INTERNATIONAL ENERGY CODE (COMM 2009 NATIONAL FUEL GAS CODE (NFPA 54) GASCODE ACCESSIBILITY REQUIREMENTS: ACILITY IS UMMANNED AND NOT FOR HUMAN HABITATION, HANDICAPPED ACCESS
EQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2009 IBC BUILDING APPLICABLE CODES SURVEYOR ARCHITECTURAL POWER OF DESIGN GROUP, LLC POWER OF DESIGN GROUP, LLC 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 11490 BLUEGRASS PARKWAY PHONE: (502) 437-5252 PHONE: (502) 437-5252 CUMBERLAND VALLEY ELECTRIC, INC. ADDRESS: 6219 NORTH U.S. HWY, 25 EAST GRAY, KY 40734 CONTACT: NEW WATLAINS CONSULTANT TEAM

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADDITED BY THE LOCAL

OVERSING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUCTED TO PERMIT VORK NOT CONFORMING TO THESE CODES.

2013 KENTUCKY BUILDING CODE (KBC 2012)
TAYEN-222 - REVISION G (INCLUDES ADDENDUM #2)
2012 INTERNATIONAL INSCHANICAL CODE (INCE 2012)
KENTUCKY STATE PLUMBING CODE (B15 KAR CHAP 20)
2014 NATIONAL ELECTRICAL CODE (NEG - NFPA 70)

CORBIN SOUTH

PIKY020

5TH STREET ROAD a.k.a KENTUCKY HIGHWAY 727

> **CORBIN. KY 40701** WHITLEY COUNTY

> > SHEET NUMBER

B-1 TO B-1.7

TOWER ELEVATION

T-1

R-1

TE-1

C-1A

C-3

CIVIL

DESCRIPTION

SOO' RADIUS AND ABUTTERS MAP

OVERALL SITE PLAN W/AERIAL OVERLAY

SURVEY PLAT

REVISION LOG

TOWER ELEVATION

DETAILED SITE PLAN

PROJECT INFORMATION SITE MAPS SHEET INDEX



POWER OF DESIGN 2490 BLUEGRASS PARKWA' LOUISVILLE, KY 40299 502-437-5252



NOI FACE / I'M TELECOM HOLDINGS IT C/O PLTOWER DEVELOPMENT LLC CHARLOTTE, NC 28208

10/25/2018



EN PERMIT: 3594

ZONING DRAWINGS

DATE DESCRIPTION 9 12 18 ISSUED FOR REVIEW 0 10.24.18 ISSUED AS FINAL

CORBIN SOUTH

5TH STREET ROAD a.k.a KENTUCKY HIGHWAY 727 WHITLEY COUNT

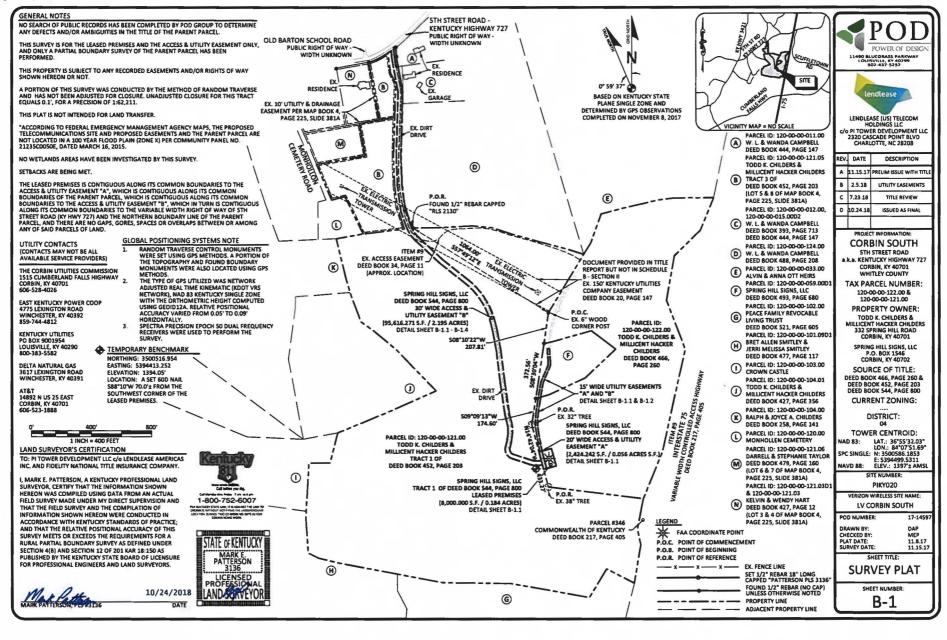
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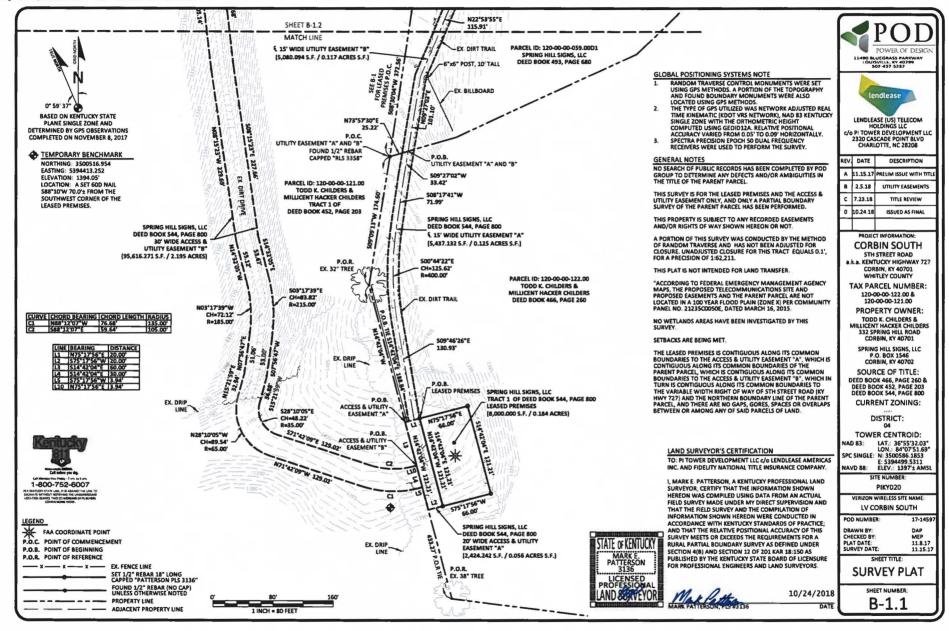
LV CORBIN SOUTH

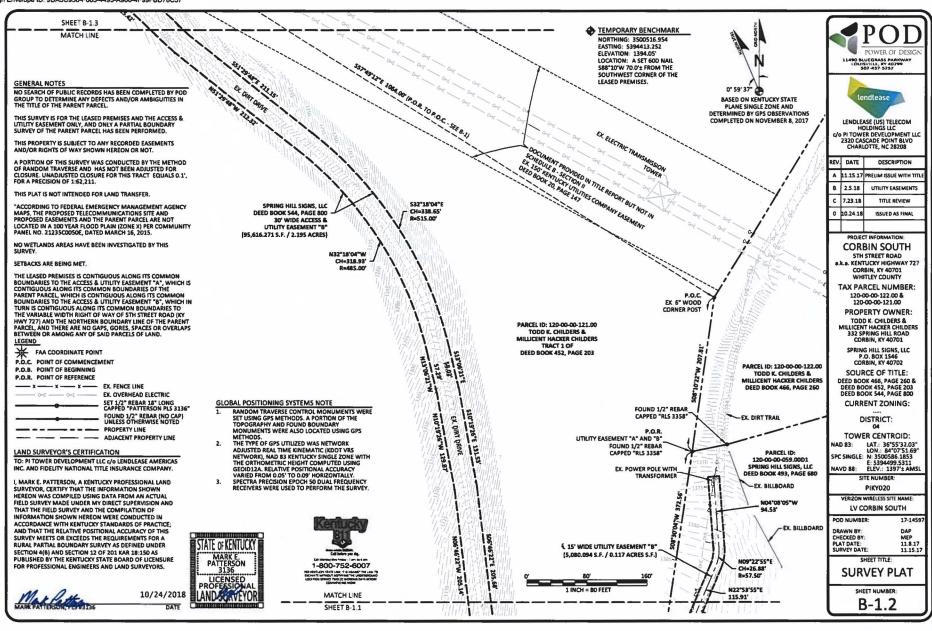
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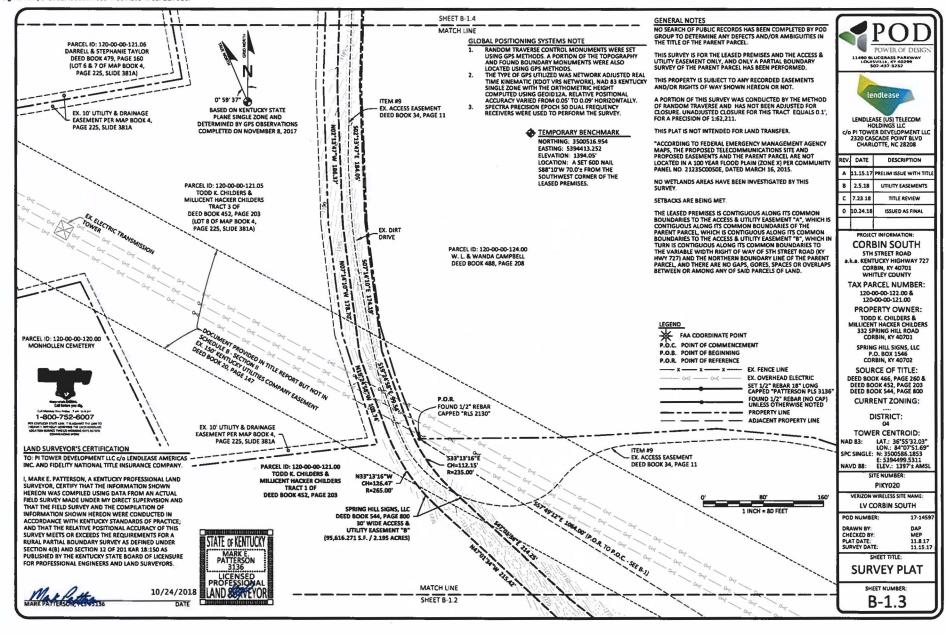
PROJECT INFORMATION, SITE MAPS, SHEET INDEX

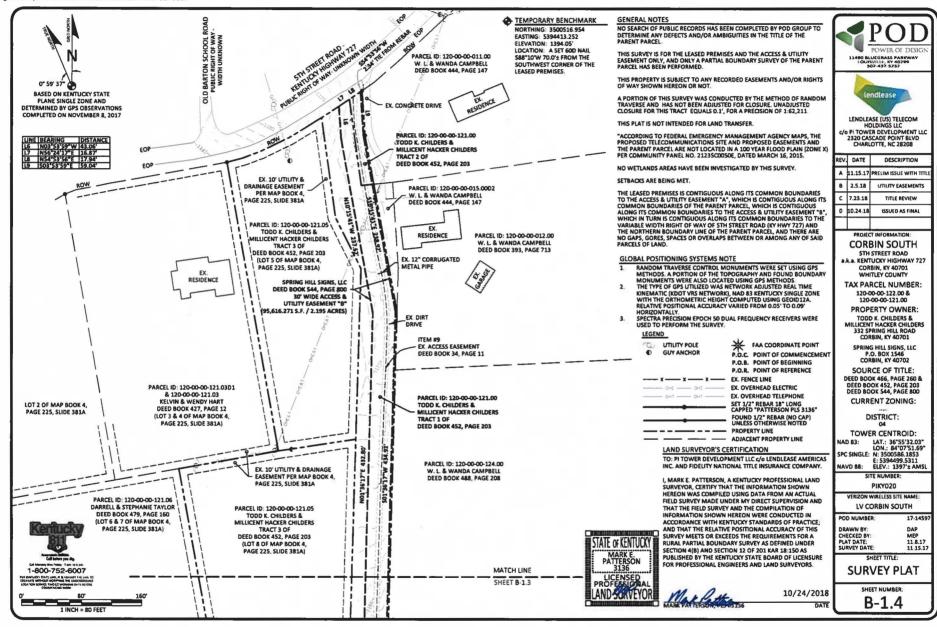
> SHEET NUMBER T-1











LEGAL DESCRIPTIONS

LEASED PREMISES

THE FOLLOWING IS A DESCRIPTION OF THE LEASED PREMISES TO BE LEASED FROM THE PROPERTY CONVEYED TO SPRING HILL SIGNS, LIC AS RECORDED IN DEED BOOK \$44, PAGE 800 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, BEING A PART OF PARCEL ID: 120-00-00-122.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT AN EXISTING 6" WOOD FENCS CORNER POST, SAID POST BEING ON A COMMON BOUNDARY LINE OF THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. COMMENCEMENT POINT IS SST-'09-127* E 1064, 00' FROM A FOUND 1/2" REBAR CAPPED ""REJ 203" AT THE SOUTHWEST OF HERER CONNERS OF THE PARCEL CONVEYED TO SHOW THE PARCEL CONVEYED TO SHOW THE STORE OF THE PARCEL CONVEYED TO SHOW THE SIGNS, LLC, AS RECORDED IN DEED BOOK 493, PAGE 800 THENCE ALONG THE COMMON HINE OF CHILDERS PARCEL ID: 120-00-00-121.00 AND SPRING HILL SIGNS, LLC, THENCE CONTINUING ALONG THE AFOREMENTIONED COMMON HINE OF CHILDERS, SOSTONI'S 174-50" TO AN EXISTING 32" TREE, SAID 32" TREE IS NATA-2" TO THE SAID AND AN EXISTING 38" TREE, CORNER TO THE SAME, THENCE CONTINUING WITH SAID THE S

20' WIDE ACCESS & UTILITY EASEMENT "A"

THE FOLLOWING IS A DESCRIPTION OF THE 20' WIDE ACCESS & UTILITY EASEMENT "A" TO BE GRANTED FROM THE PROPERTY CONVEYED TO TODD K.
CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 250 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL
ID: 120-00-01-22.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT AN EXISTING 6" WOOD FENCE CORNER POST, SAID POST BEING ON A COMMON BOUNDARY LINE OF THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 468, PAGE 208, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS SSY'49'12'E 1064.00' FROM A FOUND 1/2" REBAR CAPPED "RIS 2130" AT THE SOUTHWEST BOUNDARY CONNER OF THE PARCEL CONVEYED TO SHOW AND AND CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 452, PAGE 203; THENCE ALONG THE COMMON BOUNDARY LINE OF THE APPREL CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 452, PAGE 203; THENCE ALONG THE COMMON BOUNDARY LINE OF THE APPREL CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 680, THENCE ALONG THE COMMON LINE OF CHILDERS PARCEL ID: 120-00-00-121.00 AND SPRING HILL SIGNS, LLC, SOR 300-40" 372.55" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE NOT CONNERO THE MECAL CONVEYED TO SPRING HILL SIGNS, LLC, THENCE CONTINUING ALONG THE AFOREMENTONED COMMON LINE OF CHILDERS, SOS 913" "174.60" TO AM EXISTING 32" TREE IS THE SOUTHWEST CONNER OF THE COMMON LINE SIGNS, LLC, THENCE CONTINUING ALONG THE AFOREMENTONED COMMON LINE SIGNS, LLC, THE SUBJECT OF THE AFOREMENT CONNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, THE TOTAL SHOULD AND SPRING HILL SIGNS, LLC, AS THE SIGNS AS THE CONNER OF THE AFOREMENT CONNER OF THE LEASE DEPREMENTS. THENCE WITH SAID COMMON LINE, 514" 20" TE AFOREMENT CONNER OF THE LEASE DEPREMENTS. THENCE WITH SAID COMMON LINE, 514" 20" ED SHAIL SHILL SIGNS, LLC AS RECORDED IN

30' WIDE ACCESS & UTILITY EASEMENT "B"

THE FOLLOWING IS A DESCRIPTION OF THE 30' WIDE ACCESS & UTILITY EASEMENT "B" TO BE GRANTED FROM THE PROPERTY CONVEYED TO TODD K.
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ID: 120-00-00-121,

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8,

GODIAL POSITIONING SYSTEM OBSERVATION USING THE KENTLUCKY TRANSPORTATION CABINET REAL TIME GPS INCHORE COMPLETE ON NOVEMBER 8, 2017.

COMMENCING AT AN EXISTING 6" WOOD FENCE CORNER POST, SAID POST BEING ON A COMMON BOUNDARY LINE OF THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS SSY-4912"E 100-64.00 FROM THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 488, PAGE 208, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 489, PAGE 208, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 489, PAGE 208, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 489, PAGE 208, PAGE 208, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 489, PAGE 400, PAGE 200, PAGE 200, PAGE 200, AND STRING HILL SIGNS, LIC. STEPPED ACCOUNTING THE AGREEMENT BETWEEN CAMPBELL AND STEPPED ACCOUNTING AND STRING HILL SIGNS, LIC. STEPPED ACC

CENTERLINE 15' WIDE UTILITY EASEMENT "A"

THE FOLLOWING IS A CENTERLINE DESCRIPTION OF THE 15' WIDE UTILITY EASEMENT "A" TO BE GRANTED FROM THE PROPERTY CONNEYED TO TODO K, CHILDERS & MILLICENT HACKER CHILDERS A SECONDED IN DEED BOOK 46P, PAGE 260 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-00-122.00, WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-01-122.00, WHITLEY COUNTY, WHITLEY COUNTY

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM DISSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2013.

COMMENCING AT A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL ISIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 560, SAID POINT BEING A COMMON CORNER TO THE PARCEL CONVEYED TO TODD K. CHILDERS A MILLIORN HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121 DO AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 456, PAGE 203, PARCEL 103 DO AND THE PAGE CLOONY-POOK TO THE PAGE CLOONY-POOK TO THE PAGE AND THE PAGE CLOONY-POOK TO THE PAGE AND THE PAGE AND

CENTERLINE 15' WIDE UTILITY EASEMENT "B"

THE FOLLOWING IS A CENTERLINE DESCRIPTION OF THE 15' WIDE UTILITY EASEMENT "B" TO BE GRANTED FROM THE PROPERTY CONNEYED TO SPRING HILL SIGNS, LLC AS RECONDED IN DEED BOOK 493, PAGE 580 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-059.00D1, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWED.

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSTIONING SYSTEM DOSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT A FOUND 3/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING MILL SIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 680, SAID POINT BEING A COMMON CORNER TO THE PARCEL CONVEYED TO TODD K. CHILDERS A MILLUCENT MACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL CONVEYED TO TODD K. CHILDERS & MILLUCENT MACKER CHILDERS AS RECORDED IN DEED BOOK 456, PAGE 360, PARCEL 10 AND A CONTROL OF THE PARCEL CONVEYED TO SPRING HILL SIGNS AS FLOWED AS A FOUND AS PAGE 360, PARCEL 10 AND A CONTROL OF THE PARCEL CONVEYED TO SPRING HILL SIGNS AS FLOWED AS A FOUND AS PAGE 360, PARCEL PARCEL CONVEYED TO SPRING HILL SIGNS AS FLOWED AND A CONTROL OF THE PARCEL CONVEYED TO SPRING HILL SIGNS AS FLOWED ON THE SOUTH LINE OF THE PARCEL CONVEYED TO SPRING HILL SIGNS AS FLOWED ON THE SOUTH LINE OF THE SECOND AS A CONTROL OF THE SOUTH LINE OF THE SECOND AS A CONTROL OF THE SOUTH LINE OF THE SECOND AS A CONTROL OF THE SOUTH LINE OF THE SECOND AS A CONTROL OF

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LENDLEASE (US) TELECOM HOLDINGS LLC C/o PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD CHARLOTTE, NC 28208

REV.	DATE	DESCRIPTION
Α	11.15.17	PRELIM ISSUE WITH TITLE
В	2.5.18	UTILITY EASEMENTS
С	7.23.18	TITLE REVIEW
0	10.24.18	ISSUED AS FINAL

PROJECT INFORMATION: CORBIN SOUTH

5TH STREET ROAD a.k.a. KENTUCKY HIGHWAY 72

CORBIN. KY 40701 WHITLEY COUNTY TAX PARCEL NUMBER:

120-00-00-122.00 & 120-00-00-121.00

PROPERTY OWNER:

TODD K. CHILDERS & MILLICENT HACKER CHILDERS 332 SPRING HILL ROAD CORBIN, KY 40701

> SPRING HILL SIGNS, LLC P.O. BOX 1546 CORBIN, KY 40702

SOURCE OF TITLE: DEED BOOK 466, PAGE 260 & DEED BOOK 452, PAGE 203 DEED BOOK 544, PAGE 800

CURRENT ZONING:

DISTRICT:

TOWER CENTROID:

LAT.: 36°55'32.03" NAD 83: SPC SINGLE: N: 3500586.1853 E: 5394499.5311 NAVD 88: ELEV.: 1397'± AMSL

SITE NUMBER

PIKY020

VERIZON WIRELESS SITE NAME: LV CORBIN SOUTH

17-1459 POD NUMBER

DRAWN BY DAP CHECKED BY PLAT DATE: SURVEY DATE: 11 15 17

SURVEY PLAT

SHEET NUMBER

LAND SURVEYOR'S CERTIFICATION

TO: PLTOWER DEVELOPMENT LLC C/O LENDLEASE AMERICAS INC. AND FIDELITY NATIONAL TITLE INSURANCE COMPANY.

I, MARK E. PATTERSON, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION AND THAT THE FIELD SURVEY AND THE COMPILATION OF INFORMATION SHOWN HEREON WERE CONDUCTED IN ACCORDANCE WITH KENTUCKY STANDARDS OF PRACTICE; AND THAT THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY MEETS OR EXCEEDS THE REQUIREMENTS FOR A RURAL PARTIAL ROUNDARY SURVEY AS DEFINED LINDER SECTION 4(B) AND SECTION 12 OF 201 KAR 18:150 AS PUBLISHED BY THE KENTUCKY STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.





10/24/2018

B-1.5

TITLE OF COMMITMENT (PARCEL ID: 120-00-00-121.00)

THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY POD GROUP, LLC. AND AS SUCH WE ARE NOT RESPONSIBLE FOR THE INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCLUMBRANCES, RESTRICTUTE COMMENTS, LOWERSHIP TITLE EVIDENCE, UNRECORDED EASEMENTS, AUGMENTING EASEMENTS, (IMPLIED OF PRESCRIPTIVE EASEMENTS, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE. INFORMATION REGARDING THESE MATTERS WERE GAINED FROM FIGURY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. 28033333, PREPARED FOR PI TOWER DEVELOPMENT LIC CYO LENDILEASE AMERICAS INC., DATED OCTOBER 13, 2017 AT 800 AM THE FOLLOWING COMMENTS ARE IN REGARD TO SAID COMMITMENT AND THE NUMBERS IN THE COMMENTS CORRESPOND TO THE NUMBERING SYSTEM IN SAID POLICY.

SCHEDULE B - SECTION II (EXCEPTIONS)

- 1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT. (ITEM CAN NOT BE PUOTTED, THEREFORE POUR GROUP, LICE DID NOT EXAMINE OR ADDRESS THIS TEM.)
- 2. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (ITEM CAN NOT BE PLOTTED, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 3. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. (ITEM CAN NOT BE PLOTTED, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 4 ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. (NOT A LAND SURVEYING MATTER, THEREFORE, POD GROUP, LIC DID NOT EXAMINE OR ADDRESS THIS LIFEM.)
- 5. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND (POD GROUP, LLC DID NOT PERFORM A BOUNDARY SURVEY OF THE PARENT PARCELS, THEREFORE, POD GROUP, LLC CANNOT DETERMINE IF ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION OR ADVERSE GIRCUMSTANCE EXIST.
- 6. TAXES AND SPECIAL ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY THE PUBLIC RECORDS. (NOT A LAND SURVEYING MATTER THEREFORE, POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 7. TAXES FOR THE YEAR 2017 AND SUBSEQUENT YEARS, A LIEN NOT YET DUE AND PAYABLE (NOT A LAND SURVEYING MATTER, THEREFORE, POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 8. POSSIBLE ROLLBACK TAXES. (NOT A LAND SURVEYING MATTER, THEREFORE, POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 9. DEED OF EASEMENT IN FAVOR OF WALTER V. STEWART AND GEMINI REALTY, INC., SET FORTH IN INSTRUMENT RECORDED ON 03/30/1970 IN DEED BOOK 24, PAGE 350, ASSIGNMENT FROM GEMINI REALTY, INC. TO PACE OIL COMPANY, INCORPORATED, A MORTH CARDINA CORPORATIO, A GOORGE W. MARION, JATE MARION, DATED 07/24/1979 AND RECORDED 07/25/1979 IN DEED BOOK 34, PAGE 11. (EASEMENT AS RECORDED IN D.B. 34, PG. 11 AFFECTS THE PARENT PARCEL (120-00-00-121.00) RECORDED IN DEED BOOK 452, PAGE 03. THE 30' WIDE ACCESS & UTILITY EASEMENT "EV, BUT DOES NOT RECT THE PARENT PARCEL (120-00-00-05).00) RECORDED IN DEED BOOK 466, PAGE 260, THE LEASED PREMISES AND THE 30' WIDE ACCESS AND UTILITY EASEMENT "A" AND IS SHOWN HERCON AS APPROXIMATE.)

 DEED FROM CORDA CARRIST STO COMMONWEALTH OF LENTILOKY FOR THE USE AND BENEFIT OF THE DEPARTMENT OF HIGHWAYS

DEED FROM CORA CARRES TO COMMONWEALTH OF LENTUCKY FOR THE USE AND BENEFIT OF THE DEPARTMENT OF HIGHWAYS
RECORDED ON 12/17/1956 1) DEED BOOK 21/7. PAGE 405, (DEED AS RECORDED IN D. B. 217, PG. 405 DOES NOT AFFECT THE PARENT
PARCEL (120-00-00-121.00) RECORDED IN DEED BOOK 452, PAGE 203, THE PARENT PARCEL (120-00-00-059.00) RECORDED IN DEED
BOOK 466, PAGE 260, THE LEASED PREMISES OR THE 30" WHOE ACCESS & UITLITY EASEMENTS" A" AND "8" AND 18 SHOWN HEREON.)

- 10. COMMUNICATIONS SYSTEMS RIGHT-OF-WAY AND EASEMENT AGREEMENT IN FAVOR OF AMERICAN TELEPHONE AND TELEGRAPH COMPANY, A NEW YORK CORPORATION, SET FORTH IN INSTRUMENT RECORDED ON 01/2/3/1989 IN DEED BOSC, PAGE 150 (EASEMENT AS RECORDED IN D. 8. 62, PAGE 150 IS AN AS-CONSTRUCTED EASEMENT AND CANNOT BET PROTECTED BY DEED DESCRIPTION. EASEMENT AND CANNOT BET RETURN THE MEMPACT, IF ANY, SAID EASEMENT HAS ON THE LEASED PREMISES AND THE 30' WIDE ACCESS AND UTILITY EASEMENTS "A" AND "8".]
- 1.1 TERMS, PROVISIONS, COVENANTS, CONDITIONS, RESTRICTIONS, RESERVATIONS, EASEMENTS, CHARGES, ASSESSMENTS AND LIENS PROVIDED IN A DEED BOOK 452, PAGE 203, BUT OMITTING SHOULD IN A DEED BOOK 452, PAGE 203, BUT OMITTING SHOULD IN DEED BOOK 452, PAGE 203, BUT OMITTING SHOULD IN THE STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTING, OR SOURCE OF HOMOME, ASSET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW (RESTRICTIONS AS RECORDED IN D. B. 452, PA. 203 AFFECT PARCEL (II. 200-000-212.10) CONVEYED TO DOE. CHILDERS AND MILLICENT HACKER CHILDERS, BUT DOES NOT AFFECT THE PARENT PARCEL (120-000-121.00 OR 120-00-00-059,00), THE LEASED PREMISES OR THE 30 WINDER ACCESS & UTILITY EASEMENTS. "A MID "B".)
- 12. REAL ESTATE MORTGAGE FROM TODD CHILDERS AND WIFE, MILLICENT CHILDERS, GRANTOR(S), IN FAVOR OF WHITAKER BANK,INC., DATED 11/05/2009, AND RECORDED 11/13/2009 IN DEED BOOK 516, PAGE 714, IN THE ORIGINAL AMOUNT OFF S335,000 00, (MORTGAGE AS RECORDED IN D. 8. 516, PAGE TOTS ARRECT, 122-00-00-2121.00) RECORDED BOOK 452, PAGE 203 AND THE 30' WIDE ACCESS AND DITLITY EASEMENT "B", BUT DOES NOT AFFECT THE LEASED PREMISES AND THE 30' WIDE ACCESS A "UNIT FASS".

TITLE OF COMMITMENT (PARCEL ID: 120-00-00-122.00)

THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY POD GROUP, I.C. AND AS SUCH WE ARE NOT RESPONSIBLE FOR THE INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, RECORDS RECORDS, CONCENSIBLE THE EVIDENCE, UNRECORDED EASEMENTS, AUGMENTING EASEMENTS, IN AUGMENTING EASEMENTS, IN PUED OR PRESCRIPTIVE EASEMENTS, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE. INFORMATION REGARDING THESE MATTERS WERE GAINED FROM FIDELTY NATIONAL TITLE INSURANCE COMPANY, COMMITMENT NO. 27495287, PREPARED FOR PI TOWER DEVELOPMENT ILL C/O. LENDLEASE AMERICAS INC., DATED JULY S, 2018 AT 8.00 AM. THE FOLLOWING COMMENTS ARE IN REGARD TO SAID COMMITMENT AND THE NUMBERS IN THE COMMENTS CORRESPOND TO THE NUMBERS WAS SERVED.

SCHEDULE B - SECTION II (EXCEPTIONS)

- 1. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE BEFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OR MORTIGAGE THEREOF COVERED BY THIS COMMITMENT. (ITEM CAN NOT BE PLOTTED, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS TEM.)
- 2. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS (ITEM CAN NOT BE PLOTTED. THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 3. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. (ITEM CAN NOT BE PLOTTED, THEREFORE POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 4. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS, (NOTA LAND SURVEYING MATTER, THEREFORE, POD GROUP, LIC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 5. ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE LAND SURVEY OF THE LAND. (POD GROUP, LLC DID NOT PERFORM A BOUNDARY SURVEY OF THE PARENT PARCELS, THEREFORE, POD GROUP, LLC CANDID DETERMINE IF ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION OR ADVERSE CIRCUMSTANCE
- 6. TAXES AND SPECIAL ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY THE PUBLIC RECORDS. (NOT A LAND SURVEYING MATTER, THEREFORE, POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 7. TAXES FOR THE YEAR 2018 AND SUBSEQUENT YEARS, A LIEN NOT YET DUE AND PAYABLE (NOT A LAND SURVEYING MATTER, THEREFORE, POD GROUP, LLC DID NOT EXAMINE OR ADDRESS THIS ITEM.)
- 8. EASEMENT RESERVED IN DEED IN TAYOR OF JIMMY VANCE AND DONNA HUTSON VANCE, SET FORTH IN INSTRUMENT RECORDED ON DI/O/2/2006 IN DEED BOOK 466, PAGE 260; IEASEMENT AS DESCRIBED IN BOOK 466, PAGE 260 IS BLANKET IN MATURE AND CANNOT BE PLOTTED. SAID EASEMENT AFFECTS THE PARENT PARCEL AND A PORTION OF THE 15' WIDE UTILITY EASEMENT "8", BUT DOES NOT AFFECT THE LEASED PREMISES, THE SY WIDE UTILITY EASEMENT "A", THE 20' ACCESS AND UTILITY EASEMENT "A" AND THE 30' WIDE ACCESS AND UTILITY EASEMENT "B".
- 9 EASEMENT CONVEYED IN DEED IN FAVOR OF SPRING HILL SIGNS, LLC, SET FORTH IN INSTRUMENT RECORDED ON 04/30/2018 IN DEED BOOK 544, PAGE 800. (EASEMENTS AS DESCRIBED IN DEED BOOK 466, PAGE 260 AFFECT THE PARENT PARCEL AND ARE SHOWN HEREON AS 15' WIDE UTILITY EASEMENT "A", 20' WIDE ACCESS AND UTILITY EASEMENT "A" AND 30' WIDE ACCESS AND UTILITY EASEMENT "B".)

LAND SURVEYOR'S CERTIFICATION

TO: PI TOWER DEVELOPMENT LLC c/o LENDLEASE AMERICAS INC. AND FIDELITY NATIONAL TITLE INSURANCE COMPANY.

I, MARK E. PATTERSON, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION AND THAT THE FIELD SURVEY AND THE COMPILATION OF INFORMATION SHOWN HEREON WERE CONDUCTED ACCORDANCE WITH KENTUCKY STANDARDS OF PRACTICE, AND THAT THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY MEETS OR EXCEEDS THE REQUIREMENTS FOR A RURAL PARTIAL BOUNDARY SURVEYS DEFINED UNDER SECTION 4(8) AND SECTION 12 OF 201 KAR 18-150 AS PUBLISHED BY THE KENTUCKY STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.





10/24/2018



11490 BLUEGRASS PARKW LOUISVILLE, KY 40799 502-437 5757



LENDLEASE (US) TELECOM HOLDINGS ILC c/o PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD CHARLOTTE. NC 28208

REV	DATE	DESCRIPTION
A	11.15.17	PRELIM ISSUE WITH TITLE
В	2.5.18	UTILITY EASEMENTS
c	7.23.18	TITLE REVIEW
0	10.24.18	ISSUED AS FINAL
		1

PROJECT INFORMATION

CORBIN SOUTH 5TH STREET ROAD a.k.a. KENTUCKY HIGHWAY 727

CORBIN, KY 40701 WHITLEY COUNTY TAX PARCEL NUMBER:

120-00-00-122.00 & 120-00-00-121.00

PROPERTY OWNER: TODD K. CHILDERS & MILLICENT HACKER CHILDERS 332 SPRING HILL ROAD

> SPRING HILL SIGNS, LLC P.O. BOX 1546 CORBIN, KY 40702

SOURCE OF TITLE: DEED BOOK 466, PAGE 260 & DEED BOOK 452, PAGE 203 DEED BOOK 544, PAGE 800

CURRENT ZONING:

DISTRICT:

TOWER CENTROID:

NAD 83: LAT.: 36"55"32.03" LON.: 84"07"51.69" SPC SINGLE: N: 3500586.1853 E: 5394499.5311 NAVD 88: ELEV.: 1397"2 AMSL

SITE NUMBER:

PIKY020

VERIZON WIRELESS SITE NAME:

POD NUMBER: 17-1459

DRAWN BY: DAP

CHECKED BY: MEP

PLAT DATE: 11.8.17

PLAT DATE: 11.8.17 SURVEY DATE: 11.15.1

SURVEY PLAT

B-1.6

LEGAL DESCRIPTION OF PARENT PARCEL, DEED BOOK 452, PAGE 203 (NOT FIELD SURVEYED) PARCEL ID: 120-00-00-121.00

LEGAL DESCRIPTION OF PARENT PARCEL, DEED BOOK 452, PAGE 203 (NOT FIELD SURVEYED) PARCEL ID: 120-00-00-121.00

TRACT 1: REGINNING AT A SURVEY MARKER (SET) IN THE SOUTH INE OF KENTUCKY STATE ROAD NO 727, SAID SURVEY MARKER LYING AND BEING 5.57 DEGREES 22 MINUTES OS SECONDS W., FROM THE NORTHWEST CONNERO OF W. L. CAMPBELL, THICK CLAMPBELL THICK R. S. 79 DEGREES 22 MINUTES OS SECONDS E. WITH THE SOUTH OF RESTRIPLOY STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO 727 AGD REET TO THE NORTHWEST CONNERO OF W. L. CAMPBELL, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE, STATE ROAD NO. TO SECONDS W. WITH AND BUSTING FENCE ADD SECONDS W.

THIS PROPERTY COULD BE SUBJECT TO CERTAIN POWER TRANSMISSION LINE EASEMENTS.

ALL SURVEY MARKERS (SET) AS REFERRED TO IN THE ABOVE DESCRIBED PROPERTY ARE 1/2" REBARS WITH A PLASTIC CAP STAMPED RLS #2130. THE NORTH DATUM AS REFERRED TO HEREIN IS BASED ON MAGNETIC NORTH USED ON A PRIOR SURVEY OF THIS PROPERTY IN 1978.

DESCRIPTION BY J.O. CANON AND ASSOCIATES, INC., WHILE UNDER THE DIRECT SUPERVISION OF BILL ED CANNON, KENTUCKY REGISTERED LAND SURVEYOR #2130.

EXCEPTING FROM THE ABOVE DESCRIBED PROPERTY THAT PORTION HERETOFORE CONVEYED TO W. L. CAMPBELL AND WIFE, WANDA CAMPBELL, DEED BOOK NO. 444, PAGE 147, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING ON AN IRON PIN (I.P.) SET ON A LINE BETWEEN W. L. CAMPBELL AND TIM STEPHENS, THENCE A NEW LINE N. 10.15' 50' W. 173,05' TO A POINT ON THE NEW LINE, THENCE LEAVING THE NEW LINE AND WITH CAMPBELL'S OLD FENCE LINE N. 84" 25' 00" E 25.22' TO A NOTCH IN A CONCRETE DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" 00" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" OO" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" 00" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" 00" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" 00" E 25.22' TO AN EXISTING POST, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" 00" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, THENCE S 03" 47" 00" E 115.00' TO AN EXISTING POST, THENCE S 03" 50" E 25.22' TO AN OTHER DRIVE, T

BING THE SAME REAL PROPERTY CONVEYED TO GRANTORS, TIM STEPHENS AND WIFE, WANDA STEPHENS, BY DEED FROM FREDA BLANSETT ET AL., DATED JULY 1, 1997, OF RECORD IN DEED BOOK NO. 394, PAGE 138, WHITTLEY COUNTY COUNT CLERKS OFFICE

TRACT 2: BEGINNING ON AN IRON PIN [J.P.] SET ON THE SOUTH RIGHT-OF WAY OF KY 727 25' FROM THE CENTER LINE (C/L), THENCE LEAVING THE R/W NEAR THE WEST SIDE OF A CONCRETE DRIVE TO W. L. CAMPBELL'S HOUSE A NEW LINE BETWEEN CAMPBELL AND STEPHENS S 03' 54 08' 66.02' TO A POINT APPROXIMATELY 2' WEST OF THE CONCRETE ORINE, THENCE S 10' 15' 50' E 66.02' TO A POINT APPROXIMATELY 3' WEST OF THE CONCRETE DRIVE, THENCE S 42' 25' 00' W 1.6.78' TO A N EXISTING J. P. CORRE BETWEEN CAMPBELL AND STEPHENS, THENCE N 07' 48' 00' W 1.16.01' TO AN EXISTING J. P. CONCRETE CONTAINING O.04 ACRES.

THERE IS AN ADDITIONAL AGREEMENT. FOR THE LOCATION OF AN OLD FENCE NOW PARTIALLY REMOVED BETWEEN CAMPBELL AND STEPHENS AS DESCRIBED IN BOTH DEEDS. THE LINE BEGINS ON AN IRON PIN SET ON THE SOUTH FOR ON THE GOAR ACIDS SCONEYED BY STEPHENS TO CAMPBELL THENCE'S 02" 50" OZ" 50" OZ" 30" OZ" 2" 0 OZ" 2" 0 OZ" 2" 2 383 90" TO AN I.P. SET, THENCE S 07" 00" 25" E 139.15" TO AN I.P. SET THENCE 316" 12" 50" E 70.46" TO AN I.P. SET, THENCE'S 20" 25" 25" 91.79" TO AN INSTITING I.P. SIN SET, CANNON ON THE WEST SIDE OF AN DISCISSION SCITT CONNER.

BEING THE SAME REAL PROPERTY CONVEYED TO GRANTORS, TIM STEPHENS AND WIFE, WANDA STEPHENS, BY DEED FROM W. L. CAMPBELL AND WIFE, WANDA CAMPBELL, DATED APRIL 10, 2003, OF RECORD IN DEED BOOK NO. 451, PAGE 513, WHITEY COUNTY COUNT CLERKS OFFICE.

TRACT 3: BEGINNING ON AN I.P. SET 35' FROM THE C/L ON THE RIPLOF RY 727' ALSO A CORNER OF LOT 4, THERCE WITH THE RYM W 75 DEGREES OM MINUTES OS SECONDS E 23.72" TO A POINT, THENCE N 59 DEGREES A MINUTES AS SECONDS E 23.72" TO A POINT, THENCE N 59 DEGREES AS MINUTES AS SECONDS E 23.72" TO A POINT, THENCE N 59 DEGREES AS MINUTES AS SECONDS E 23.72" TO AN I.P. FOLIAD, THENCE SO THENCE WITH STEPHENS 5 07 DEGREES 48 MINUTES 23 SECONDS E 134.94" TO AN I.P. FOLIAD, THENCE SO THENCE WITH STEPHENS 5 07 DEGREES 48 MINUTES AS SECONDS E 134.94" TO AN I.P. SET ALSO A CORNER TO LOT 4, THENCE LOAD WITH LOT 4.8 OF DEGREES 48 MINUTES AS SECONDS W 228.47" TO AN I.P. SET ALSO A CORNER TO LOT 4, THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO AN I.P. SET ALSO A CORNER TO LOT 4. THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO AN I.P. SET ALSO A CORNER TO LOT 4. THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO AN I.P. SET ALSO A CORNER TO LOT 4. THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO AN I.P. SET ALSO A CORNER TO LOT 4. THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO AN I.P. SET ALSO A CORNER TO LOT 4. THENCE WITH LOT 4.0 OP DEGREES 48 MINUTES AS SECONDS W 23.44" TO THE POINT OF BEGINNING CONTAINING 1.23 AC., MORE OR LESS, AND BEING LOT 5.0 THE WILSON ESTATES AS SHOWN BY PLAY RECORDED IN THE WITHELY COUNTY COUNT CLEERTS OFFICE IN MAP BOOK 4, PAGE 225, SLIDE SERVE 25.5

BEGINNING ON AN I.P. CORNER SET ON THE LAST RIVE OF MODHOLLES CEMETERY ROAD ALSO A CORNER TO LOT 7. HENCE WITH LOT 7. H 7.D BEGRES SS 3.77 E 326,88 TO AN I.P. SET, THENCE IN 10 DEGRESS OF AN I.P. SET, THENCE IN 10 DEGRESS OF AN I.P. SET, THENCE IN THE CORNER OF THE CO

THIS PROPERTY IS SOLD SUBJECT TO ALL RECORDED OR EXISTING EASEMENTS.

ALL LOTS IN WILSON ESTATES HAVE A 10' UTILITY AND DRAINAGE EASEMENT ALONG ALL PROPERTY LINES ALL BUILDINGS ARE REQUIRED TO BE PLACED AT LEAST 30' BACK FROM KY 727, ALSO KNOWN AS FIFTH STREET ROLD FROM MICHORIDE CREMETER YEARD, AND FROM DE PRANALLEL TO THE OPEN LANE.

- SAID PROPERTY IS SUBJECT TO THE FOLLOWING RESTRICTIONS WHICH BUN WITH THE LAND:

 1. ONLY SINGLE FAMILY RESIDENTIAL HOUSES CONSISTING OF A MINIMUM OF 2,000 S.D. FT. MAY BE CONSTRUCTED ON THE PROPERTY. THE 2,000 S.D. FT. SHALL INCLUDE THE GARAGE OR CARPORT.
- 2. EXTERIORS OF OUTBUILDINGS, OTHER THAN BARNS, MUST BE OF THE SAME MATERIAL AS THE HOUSE.
- 3. BARNS AND FENCES MUST BE CONSTRUCTED OF NEW MATERIAL
- 4. DRIVEWAYS MUST BE PAVED WITHIN ONE YEAR OF COMPLETION OF HOUSE.
- 5. DOGS MUST BE FENCED OR LEASHED ON OWNER'S PROPERTY. NO OTHER ANIMALS, OTHER THAN NORMAL HOUSEHOLD PETS, COWS AND HORSES ARE ALLOWED.
- 6. ANY INOPERABLE VEHICLES MUST BE STORED IN GARAGE OR REMOVED FROM PROPERTY WITHIN 90 DAYS OF BECOMING INOPERABLE.

BEING THE SAME REAL PROPERTY CONVEYED TO TIM STEPHENS AND WIFE, WANDA STEPHENS, BY DEED FROM JOE VEACH AND WIFE, LINDA VEACH, DATED JANUARY 6, 2000, OF RECORD IN DEED BOOK NO. 424, PAGE 356, WHITLEY COUNTY COURT CLERK'S OFFICE,

LEGAL DESCRIPTION OF PARENT PARCEL, DEED BOOK 466, PAGE 260 (NOT FIELD SURVEYED) PARCEL ID: 120-00-00-059.00

(NOT FIELD SURVEYED) PARCEL ID: 120-00-00-059.00

BEGINNING AT A ENEX POST CONNER IN THE WEST CONTROLLED ACCESS RIGHT OF WAY OF METHATNE'S, SAID FEMCE POST CORNER AS DESIRED A 40.00 FEET LEFT INEST) FROM CENTRELINE TATATION 1379-22.00 OF INTERSTATE 7S. SAID FEMCE POST CONNER ALSO BEING A SOUTHEAST CORNER OF ALVIN OTT; THENCE LEAVING THE WEST CONTROLLED ACCESS RIGHT OF WAY OF INTERSTATE. 7S. CONTINUING WITH THE SOUTH LINES OF ALVIN OTT; THEN FENCE, S. 89 DEGREES 41 MINUTES 11.5 SECONDS W., 264-70 FEET TO A CONCRETE FENCE POST; THENCE 5. 82 DEGREES 42 MINUTES OS SECONDS W., 264-19 FEET TO A CONCRETE FENCE POST; THENCE 5. 76 DEGREES 54 MINUTES OS SECONDS W., 260.6 FEET TO A MOODEN FENCE POST; THENCE 5. 76 DEGREES 54 MINUTES OS SECONDS W., 260.6 FEET TO A MOODEN FENCE POST; THENCE 5. 76 DEGREES 54 MINUTES OS SECONDS W., 260.6 FEET TO A MOODEN FENCE POST; THENCE 5. 75 DEGREES 54 MINUTES SO SECONDS W., 260.6 FEET TO A MOODEN FENCE POST; THENCE 5. 70 DEGREES 54 MINUTES SO SECONDS W., 264.19 FEET TO A WOODEN FENCE POST; THENCE CONTINUING WITH THE LINES OF ALVIN OTT AND CORN CARRES, WITH A FENCE, 5. 31 DEGREES 12 MINUTES \$4 SECONDS W., 264.75 FEET TO A CONCRETE FENCE POST; THENCE S. 05 DEGREES 35 MINUTES \$4 SECONDS W., 267.9 SECONDS W., 267.9 SECONDS W., 267.1 SECONDS C., 279.4 SECONDS W., 267.1 SECONDS C., 279.4 CENTERINE STATION 1363-00.00, THENCE N. 12 DEGREES 35 MINUTES 57 SECONDS C. 70.06 # FEET TO A FENCE POST CORNER BEING 15.00.0 FEET LEFT (WEST) FROM CENTERINE STATION 1388-00.00 MINUTES 43 MINUTES 15.00 FEET LEFT (WEST) FROM CENTERINE STATION 1388-00.00 MINUTES 43 MINUTES 45 MINUTES 45

SURVEY AND DESCRIPTION BY J.O. CANNON & ASSOCIATES, INC., WHILE UNDER THE DIRECT SUPERVISION OF BILL ED CANNON, KY., REG. LAND SURVEYOR NO. 2130.

BEING THE SAME REAL PROPERTY CONVEYED TO GRANTORS BY DEED FROM WALTER STEWART, DATED JULY 10, 1990, OF RECORD IN DEED BOOK NO. 341, PAGE 369, WHITLEY COUNTY COURT CLERK'S OFFICE.

GRANTORS SHALL HAVE THE RIGHT OF REASONABLE ACCESS OVER THE PROPERTY HEREIN CONVEYED TO THE 3 08 ACRE TRACT RETAINED BY GRANTORS FOR THE EXCLUSIVE PURPOSE OF ACTIVITIES REASONABLY HORCESSARY FOR THE RENTAL, MAINTENANCE AND REPAIR OF BILLDOARDS.

IF GRANTORS REASONABLY BELIEVE THAT TREE(S) ON THE PROPERTY CONVEYED HEREIN BLOCK THE REASONABLE VIEW OF THE BILLBOARDS BY SOUTHBOUND TRAFFIC

ON 1-75, GRANTORS SHALL NOTIFY GRANTEES OF SAID TREE(S) AND GRANTEES, AT THEIR OPTION, SHALL EITHER REMOVE SAID TREE(S) WITHIN THIRTY (30) DAYS OR ALLOW GRANTORS REASONABLE ACCESS TO REMOVE SAID TREES AT GRANTORS EXPENSE

GRANTORS HEREBY GRANT TO GRANTEES THE RIGHT OF FIRST REFUSAL FOR THE PURCHASE OF THE 3.08 ACRES RETAINED HEREIN.

THE COVENANTS AND RESTRICTIONS CONTAINED HEREIN SHALL BIND AND BENEFIT THE GRANTORS AND GRANTEES, THEIR HEIRS AND ASSIGNS

LAND SURVEYOR'S CERTIFICATION

TO: PLTOWER DEVELOPMENT LLC c/o LENDLEASE AMERICAS INC. AND FIDELITY NATIONAL TITLE INSURANCE COMPANY.

I. MARK E. PATTERSON, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION AND THAT THE FIELD SURVEY AND THE COMPILATION OF INFORMATION SHOWN HEREON WERE CONDUCTED IN ACCORDANCE WITH KENTUCKY STANDARDS OF PRACTICE; AND THAT THE RELATIVE POSITIONAL ACCURACY OF THIS SURVEY MEETS OR EXCEEDS THE REQUIREMENTS FOR A RURAL PARTIAL BOUNDARY SURVEY AS DEFINED UNDER SECTION 4(B) AND SECTION 12 OF 201 KAR 18:150 AS PUBLISHED BY THE KENTUCKY STATE BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.





10/24/2018

POWER OF DESIG

lendlease

LENDLEASE (US) TELECOM HOLDINGS LLC C/O PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD CHARLOTTE, NC 28208

A 21.15.17 PRELIM ISSUE WITH TO B 2.5.18 UTILITY EASEMENT. C 7.23.18 TITLE REVIEW	DAT	E	DESCRIPTION
	.15	17	PRELIM ISSUE WITH TITL
C 7.23.18 TITLE REVIEW	.5,1	18	UTILITY EASEMENTS
	23.1	18	TITLE REVIEW
0 10.24 18 ISSUED AS FINAL	.24	18	ISSUED AS FINAL

PROJECT INFORMATION:

CORBIN SOUTH 5TH STREET ROAD a.k.a. KENTLICKY HIGHWAY 727 **CORBIN. KY 40701**

WHITLEY COUNTY TAX PARCEL NUMBER. 120-00-00-122.00 &

120-00-00-121.00 PROPERTY OWNER:

TODD K. CHILDERS & MILLICENT HACKER CHILDERS 332 SPRING HILL ROAD **CORBIN, KY 40701**

> SPRING HILL SIGNS, LLC P.O. 80X 1546 CORBIN, KY 40702

SOURCE OF TITLE: DEED BOOK 466, PAGE 260 & DEED BOOK 452, PAGE 203 DEED BOOK 544, PAGE 800

CURRENT ZONING:

DISTRICT:

TOWER CENTROID:

LAT :: 36*55'32.03" NAD B3: ION - 84°07'51 69 PC SINGLE: N: 3500586.1853 E: 5394499.5311 NAVD 88: ELEV.: 1397'± AMSL

SITE NUMBER

PIKY020

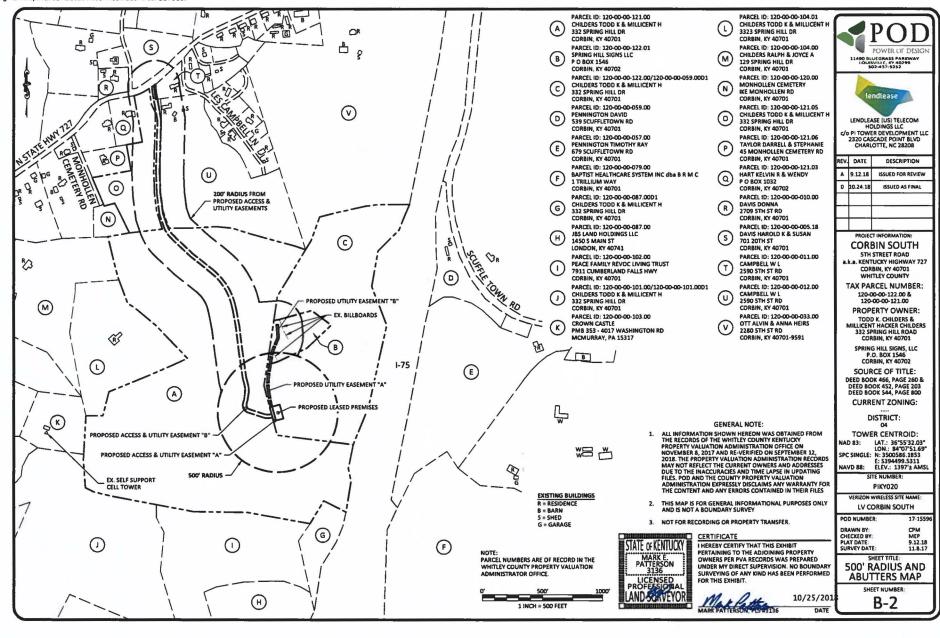
VERIZON WIRELESS SITE NAME LV CORBIN SOUTH

POD NUMBER 17-1459 DRAWN BY DAP CHECKED BY

MEP SURVEY DATE 11.15.1 SHEET TITLE

SURVEY PLAT

SHEET NUMBER: B-1.7



REVISION LOG

REV *	MM/DD/YY	SHEET NUMBER	DESCRIPTION OF REVISION	
A	9/12/2018	ALL SHEETS	ISSUED FOR REVIEW	
0	10/24/2018	ALL SHEETS	ISSUED AS FINAL	





LENDLEASE (US) TELECOM HOLDINGS LLC C/O PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD, SUITE 300 CHARLOTTE, NC 28208

10/25/2018



EN PERMIT: 3594

ZONING **DRAWINGS**

REV.	DATE	DESCRIPTION
A	9.12.18	ISSUED FOR REVIEW
D	10.24.18	ISSUED AS FINAL

CORBIN SOUTH

5TH STREET ROAD a.k.a KENTUCKY HIGHWAY 727 CORBIN, KY 40701 WHITLEY COUNTY

PI TOWER SITE NUMBER: PIKY020

VERIZON WIRELESS SITE NAME: LV CORBIN SOUTH

POD NUMBER:

17-14601

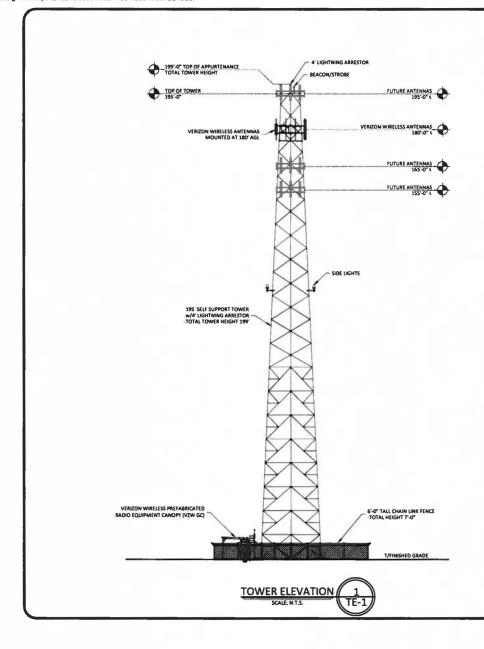
DRAWN BY: CHECKED BY: DATE:

POD MEP 09.11.18

SHEET TITLE:

REVISION LOG

SHEET NUMBER: **R-1**



NOTE:

- IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL ANTENNA INFORMATION AGAINST FINAL RADIO ENGINEERING PLAN PROVIDED BY CELLCO PARTNERSHIP d/b/b VERIZON WIRELESS (VZW GC)
- 2. ALL TOWER LIGHTING SHALL BE INSTALLED AS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION AND RECOMMENDED BY THE USPWS INTERIM GUIDELINES (2000) FOR LIGHTING OF TOWERS OVER 2001 IN HEIGHT.
- MARKING AND LIGHTING REQUIRED PER FAA CHAPTERS 4, 8, AND 12 (DUAL LIGHTING RED LIGHTS AT NIGHT AND MEDIUM INTESTY WHITE LIGHTS IN DAY).
- 4. FAA FORM 7450-2, PART II REQUIRED WITHIN 5 DAYS AFTER CONSTRUCTION REACHES ITS GREATEST HEIGHT.





NDLEASE (US) TELECOM HOLDINGS LL C/O PI TOWER DEVELOPMENT LLC 2320 CASCADE POINT BLVD, SUITE 300 CHARLOTTE, NC 28208

10/25/2018



EN PERMIT: 3594

ZONING **DRAWINGS**

REV. DATE DESCRIPTION A 9.12.18 ISSUED FOR REVIEW

O 10.24.18 ISSUED AS FINAL

CORBIN SOUTH

5TH STREET ROAD a.k.a KENTUCKY HIGHWAY 727 CORBIN, KY 40701 WHITLEY COUNTY

> PI TOWER SITE NUMBER PIKY020

VERIZON WIRELESS SITE NAME LV CORBIN SOUTH

POD NUMBER:

DRAWN 8Y: CHECKED BY: DATE:

POD MEP 09.11.18

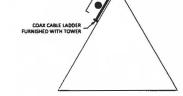
17-14601

SHEET TITLE:

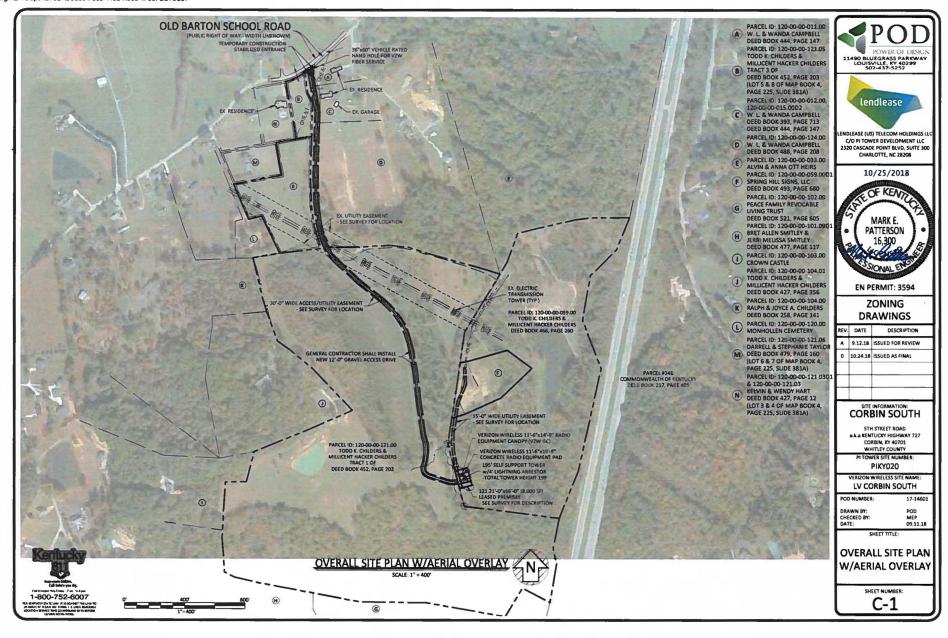
TOWER ELEVATION

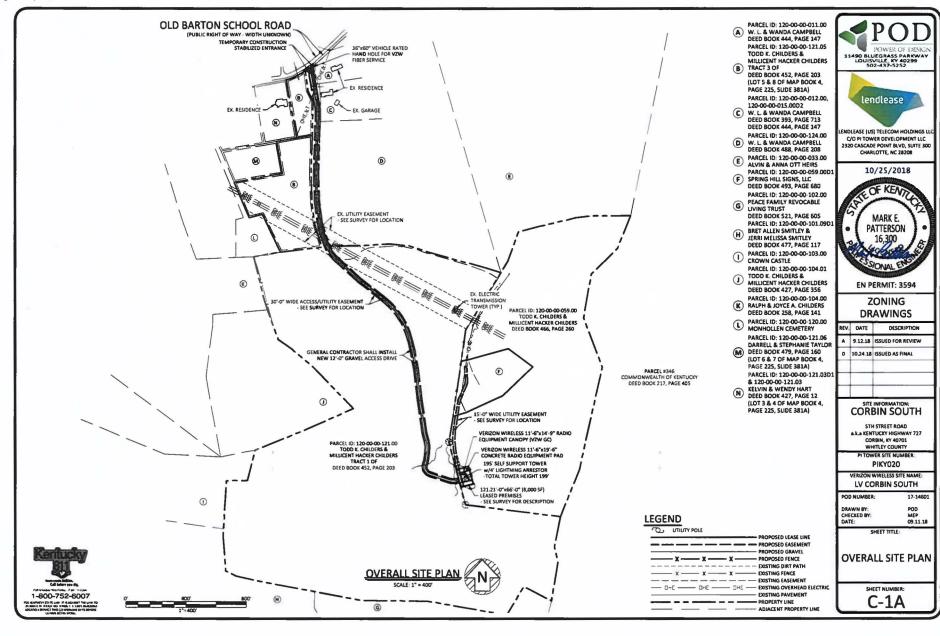
SHEET NUMBER: **TE-1**

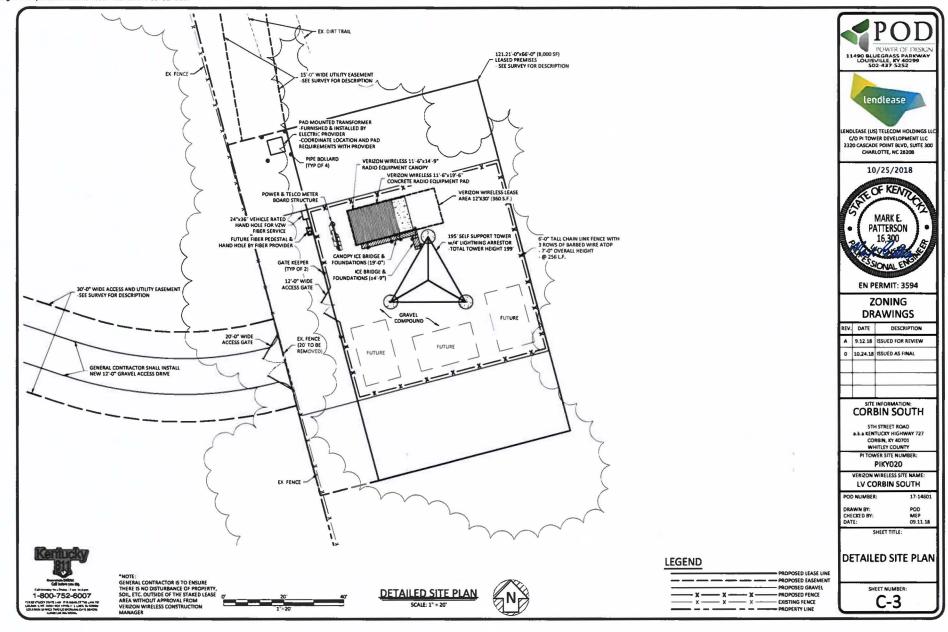
COAX PLAN

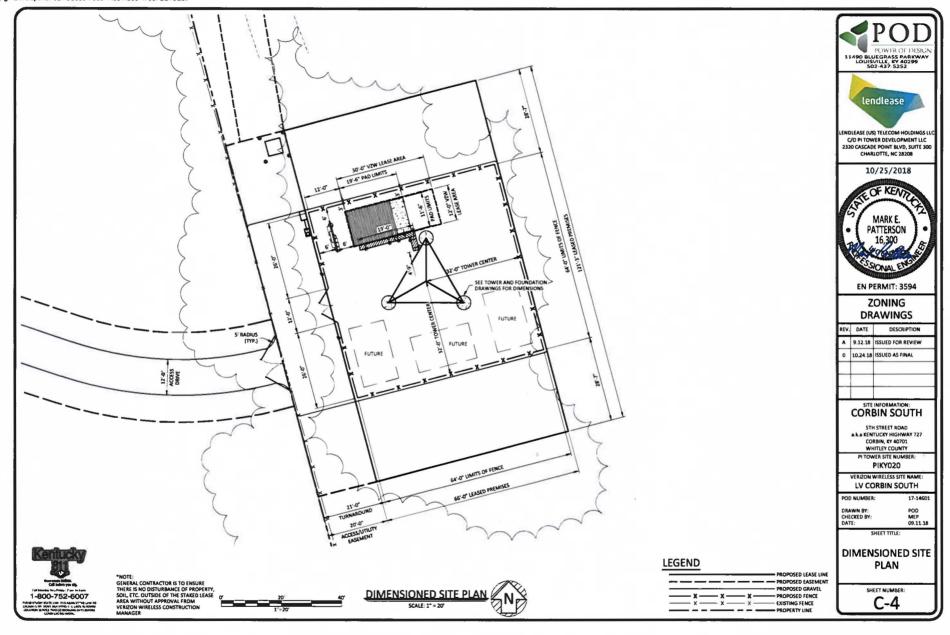


VERIZON WIRELESS (2) HCH-66244 HYBRID CABLE (VZW GC)









Alternative Tower Solutions

1340 Lucas Road

Smithfield, KY 40068

(602)909-4193

October 26, 2018

RE:

BTS Region IN, KY, OH

Dear Commissioners,

I'm Robert C. Wood, currently holding the Construction Manager position for PI Tower Development LLC/Lendlease US Telecom Investments. This position with PI Tower Development requires my management skill for the entire project from start to completion. I have performed in the industry for 40 years at all levels including, cellular, broadcast, municipality, satellite, microwave, telemetry, DAS, and Wi-Fi. I owned and operated Nationwide Communication Specialists for 27 years in Arizona, New Mexico, Texas, California, Colorado, Utah, and Idaho. In April of 2012 to January 2015, I took a position with Westower as the Operations Manager in Louisville, KY, for AT&T Turf. I have managed construction projects in excess of 1.5 million with deliverables and deadline completion without fault.

Any questions regarding this information please give me a call at (602)909-4193.

Sincerely,

Robert C. Wood

Owner/Partner

Alternative Tower Solutions

Johnt C. Wood

gj/RCW

EXHIBIT

C

LIKELY COMPETITORS FOR PROPOSED FACILITY

Note: Competitors are identified as those owning towers in general vicinity.

Entity	Reason
American Towers, LLC	Owns tower in Whitley County
Bellsouth Telecommunications, LLC	Owns tower in Whitley County
Encore Communciation	Owns tower in Knox County (near county line)
Eubanks Realty Corp.	Owns tower in Laurel County (near county line)
Litchfield County Cellular, Inc. d/b/a Ramcell of Kentucky	Owns towers (2) in Whitley County
Crown Castle South, LLC	Owns towers (2) in Whitley County
Crown Communications, LLC	Owns towers (2) in Whitley County
London Laurel County Communications Center	Owns tower in Laurel County (near county line)
Hemphill Corporation	Owns towers (2) in Laurel County (near county line)
Powertel/Memphis, Inc.	Owns tower in Whitley County
CCATT, LLC	Owns towers (2) in Whitley County
Outreach Ministries, WEKC, Inc.	Owns tower in Whitley County
Williamsburg-Whitley County Airport	Owns tower in Whitley County
London Radio Service, Inc.	Owns tower in Whitley County
Bluegrass Wireless, LLC	Owns towers (2) in Whitley County
Crown Castle Towers D6-2, LLC	Owns tower in Whitley County
Tower Development Corporation	Owns tower in Whitley County
Cumberland Cellular Partnership d/b/a Bluegrass Cellular	Owns tower in McCreary County (near county line)
Whitley County E-911	Owns tower in Whitley County
East Kentucky Network, LLC d/b/a Appalachian Wireless	Owns towers (2) in Whitley County and tower in Laurel County (near county line)

WHITLEY COUNTY, KENTUCKY PARALLEL INFRASTRUCTURE SITE NAME: PIKY020 KY-CORBIN-LV CORBIN SOUTH **VERIZON WIRELESS SITE NAME: LV CORBIN SOUTH** PULASK LAUREL COUNTY COUNTY (01) KNOX DSED: 195' (199' OAH) COUNTY (61) SELF SUPPORT TOWER 1 **B2** (N2 (104b) **@** (1) WHITLEY COUNTY MCCREARY COUNTY BELL COUNTY KENTUCKY TENNESSEE KENTUCKY TENNESSEE SCOTE CAMPBELL CLAIBORNE COUNTY COUNTY COUNTY

EXISTING TOWER LEGEND

- (AI
- FCC REGISTRATION #: 1041884
- a LAT: 36" 54" 08.0"N LONG: 84" D4" 45.0"W
- FOC REGISTRATION #: 1043527 EUBANNS REALTY CORP LATI 36" 58" 51.0"N LONG: 84" 06" 42.0"W
- FCC REGISTRATION #: 1043633 LITCHFIELD COUNTY CELLULAR, INC. dbe = RAMCELL OF RENTUCKY LAT. 36* 45* 17.3*N LONG: 84* 08* 30.8*W
- FCC REGISTRATION #: 1043635 UTCHFIELD COUNTY CELLULAR, INC. dba = RAMCELL OF KENTUCKY LAT: 367 537 50.0"N LONG: 84° 07° 53.0"W

- FCC REGISTRATION # 1003734 AMERICAN TOWERS, LLC
- BELISOUTH TELECOMMUNICATIONS, LLC LAT: 36"55" 31.9"N LONG: 84"08"15.5"W
- FCC REGISTRATION # 1043525
- FCC REGISTRATION # 1043526 ENCORE COMMUNICATION

- FCC REGISTRATION #: 1237188 POWERTEL/MEMPHIS, INC. LAT: 36" 44" 47.6"N LONG: 84" 08" 45.9"W

- FCC REGISTRATION # 1245198 CCATT, LLC LAT 36" 45 25.0"N P1
- FCC REGISTRATION #: 1247122 CCATT, LLC LAT: 36" 55" 19.4"N LONG: 84" 03" 50.4"W QI
- FCC REGISTRATION #: 1250038 OUTREACH MINISTERIES, WERC, INC. LAT: 36" 46" 28.2"N LONG: 84" 10" 04.7"W
- FCC REGISTRATION # 1257244
 WILLIAMSBURG-WHITLEY COUNTY
- FCC REGISTRATION #: 1258813 LONDON RADIO SERVICE, INC. LAT: 36" 57" 10.4"N LONG: 84" 05" 56.1"W
- FCC REGISTRATION 8: 1265443 BLUEGRASS WIRELESS, LLC LAT: 36" 54" 35.6"N LONG: 84" 06" 02.0"W
- FCC REGISTRATION 8: 1268027 TOWER DEVELOPMENT CORPORA LAT: 36" 43" 37.7"N LONG. 84" 09" 51.6"W
- FCC REGISTRATION #: 1268659 CUMBERLAND CELLULAR PARTNERSHI dba = BLUEGRASS CELLULAR LAT: 36° 50° 21.0°N LONG: 84° 20° 51.3°W
- FCC REGISTRATION 8: 1269040 WHITLEY COUNTY E-911 LAT: 36" 44" 47.8"N LONG: 84" 08" 43.9"W

- (GRANTED)
 FCC REGISTRATION 8: 1306870
 EAST KENTUCKY NETWORK, LLC
 dba = APPALACHAN WIRELESS
 LAT 36*48*44.5*N
 LONG: 84*10*02.6*W



11490 BLUEGRASS PKWY LOUISVILLE, KY 40299 502-437-5252



LENDLEASE (US) TELECOM HOLDINGS LLC c/o PI TOWER DEVELOPMENT LLC 909 LAKE CAROLYN PARKWAY. SUITE 260

REV	DATE	DESCRIPTION
A	9.14.18	ISSUED FOR REVIEW
_		
_		
_		

PROJECT INFORMATION:

CORBIN SOUTH 5TH STREET ROAD

a.k.a. KENTUCKY HIGHWAY 727 **CORBIN, KY 40701** WHITLEY COUNTY

TAX PARCEL NUMBER: 120-00-00-122.00 & 120-00-00-121.00

PROPERTY OWNER: TODD K. CHILDERS & MILLICENT HACKER CHILDERS 332 SPRING HILL ROAD

> SPRING HILL SIGNS, LLC P.O. BOX 1546 **CORBIN, KY 40702**

SOURCE OF TITLE: DEED BOOK 466, PAGE 260 & DEED BOOK 452, PAGE 203 DEED BOOK 544, PAGE 800

CURRENT ZONING:

DISTRICT:

TOWER CENTROID:

NAD 83: LAT.: 36°55'32.03" LON.: 84"07'51.69" SPC SINGLE: N: 3500586.1853 E: 5394499.5311 NAVD 88: ELEV.: 1397'± AMSL

> SITE NUMBER PIKY020

VERIZON WIRELESS SITE NAME: LV CORRIN SOUTH

POD NUMBER: DRAWN BY: CHECKED BY PLAT DATE

18-28272 9.14.18

SHEET TITLE **TOWER GRID MAP**

SHEET NUMBER:

C-1



EXHIBIT

D



1 Fairholm Avenue Peoria, IL 61603 USA Phone 309-566-3000 FAX 309-566-3079

January 16, 2019

PI Tower Development LLC c/o Lendlease (US) Telecom Holdings LLC Attn: Kevin Wiles 2320 Cascade Pointe Blvd, Suite 300 Charlotte, NC 28208

Reference:

195 FT RT SELF SUPPORT TOWER CORBIN SOUTH PIKY020, KENTUCKY

File Number: 228921

Copies	Drawing Number	Description
1	228921-01-D1	Design Drawing Sealed for the State of KENTUCKY
1	228921-01-F1	Foundation

Email Address: kwiles@sitedevservices.com

tchambliss@sitedevservices.com

Sincerely,

Jim Nieukirk Mike Hurst

jdd



1 Fairholm Avenue Peoria, IL 61603 USA Phone: (309)-566-3000

(309)-566-3079

DATE:

JANUARY 16, 2019

PURCHASER: PI TOWER DEVELOPMENT LLC C/O LENDLEASE (US) TELECOM HOLDINGS LLC

PROJECT:

195 FT RT SELF SUPPORT TOWER

CORBIN SOUTH PIKY020, KENTUCKY

FILE NUMBER: 228921

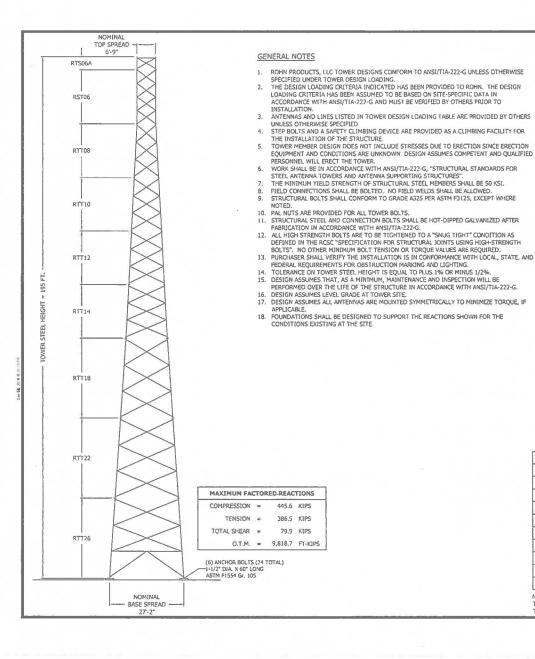
DRAWINGS: 228921-01-D1, 228921-01-F1

I CERTIFY THAT THE REFERENCED DRAWINGS WERE PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH THE DESIGN AND LOADING CRITERIA SPECIFIED BY THE PURCHASER AND THAT I AM A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF KENTUCKY.

CERTIFIED BY:

DATE:

Products for a Growing World of Technology®



TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-227-G:
ASCE 7-16 ULTIMATE WIND SPEED (NO ICE) = 105 MPH
BASIC WIND SPEED (ICE) = 30 MPH PER ASCE 7-16
DESIGN ICE THICKNESS = 1.5 IN. PER ASCE 7-16
STRUCTURE CLASS = II
EXPOSURE CATEGORY = C
TEPPOSCAPHIC CATEGORY = 1

EARTHQUAKE SPECTRAL RESPONSE ACCELERATION: SS = 0.787

HIS	TOWER	IS	DESIGNED	TO	SUPPORT	THE	FOLLOWING LOADS:
-----	-------	----	----------	----	---------	-----	------------------

ELEVATION (FT)	ANTENNA TYPE	LINE SIZE (NOM)
TOP	LIGHTNING ROD AND LIGHTS	(1) ³ / ₄ **
TOP	40,000 SQ-IN [278 SQFT] MAX EPA	(24) 1-5/8"
185	(1) 4 FT HP DISH [AZ. 0 DEG] [6 GHZ]	(1) 1-5/8*
180	40,000 SQ-IN [278 SQFT] MAX EPA	(24) 1-5/8"
170	(1) 6 FT HP DISH [AZ. 120 DEG] (6 GHZ]	(1) 1-5/8"
165	30,000 SQ-IN [209 SQFT] MAX EPA	(24) 1-5/8"
155	(1) 4 FT HP DI\$H [AZ. 240 DEG] [6 GHZ]	(1) 1-5/8*
155	30,000 SQ-IN [209 SQFT] MAX EPA	(24) 1 5/8*
145	(1) 4 FT HP DISH [AZ, 0 DEG] [6 GHZ]	(1) 1-5/8"

	REVISIONS	
REV.	DESCRIPTION	DWN CHK A

228921

FILE NO.

l		ON MAIN MEMBER SCHEDULE	SECTIO	
	HORIZONTALS	DIAGONAL	LEG	SECTION
IL	L1 3/4x1 3/4x3/16 (1)	L1 3/4x1 3/4x3/16 (1)	PIPE 2.875x0.203	RTS06A
RE	N/A	L2x2x3/16 (4)	PIPE 3.500x0.216	RST06
FIC	N/A TELECOM DE	L2 1/2x2 1/2x3/16 (3)	PIPE 4.500x0.237	RTT08
Г	N/A	L2 1/2x2 1/2x1/4 (3)	PIPE 5.563x0.375	RTT10
	N/A	L3x3x3/16 (3)	PIPE 6.625x0.340	RTT12
D)	N/A	L3x3x1/4 (3)	PIPE 6.625x0.432	RTT14
-	N/A	L3 1/2x3 1/2x1/4 (3)	PIPE 8.625x0.375	RTT18
Eħ	N/A	L3 1/2x3 1/2x1/4 (3)	PIPE 8.625x0.500	RTT22
PR	L3 1/2x3 1/2x1/4 (1)	L4x4x1/4 (3)	PIPE 8.625x0.500	RTT26

NOTE: SECTION NUMBERS ARE FOR REFERENCE ONLY. FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS.
THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

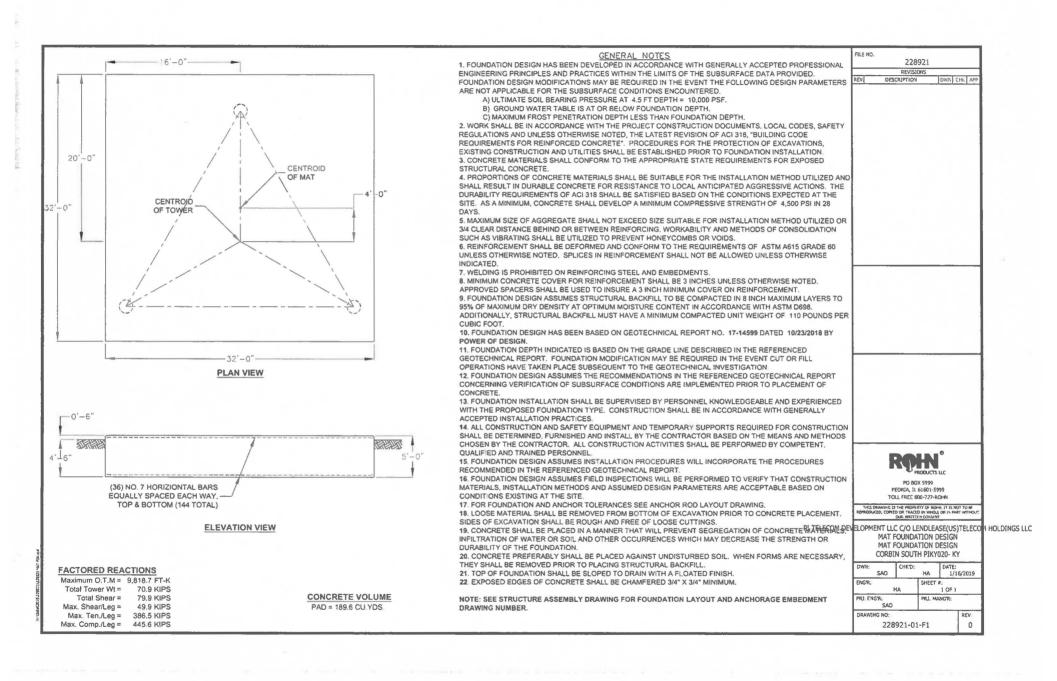
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DPMENT LLC C/O LENDLEASE(US)TELECO I HOLDINGS LLC MAT FOUNDATION DESIGN

228921-01-D1 0



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Contract: 228921

Project: 195 FT RT TOWER

Date and Time: 1/15/2019 9:01:39 AM

Revision: 0

Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

DESIGN SPECIFICATION

Design Standard: ANSI/TIA-222-G-2005 Add 2
Ultimate Design Wind Speed (No Ice) = 105 0 (mph)
Nominal Design Wind Speed (No Ice) = 81.3 (mph)
Basic Wind Speed (With Ice) = 30.0 (mph)
Design Ice Thickness = 0.75 (in)
Structure Class = II
Exposure Category = C
Topographic Category = 1

Sct	Length (ft)	Top W. (in)	Bot Width (in)
1	30.00	277.97	325.97
2	30.00	229.97	277.97
3	30.00	181.97	229.97
4	20.00	156.24	181.97
5	20.00	132.24	156.24
6	20.00	107.32	132.24
7	20.00	82.40	107.32
8	20.00	81.53	82.40
9	5.00	80.99	81.53

5.00-20.00 20.00 20.00 20.00 20.00 30.00 30.00 30 00

MAXIMUM BASE REACTIONS

 Download (Kips)
 445.6

 Uplift (Kips)
 386.5

 Shear (Kips)
 49.9

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Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

Section A: PROJECT DATA

Project Title: Customer Name: Site:

195 FT RT TOWER
PI TOWER DEVELOPMENT LLC C/O LENDLEASE (US) TELECOM HOLDINGS LLC CORBIN SOUTH PIKY020- KY

228921

Contract No.: Revision:

Engineer:

Date: Time: SAO Jan 15 2019 09:00:12 AM

Design Standard:

ANSI/TIA-222-G-2005 Addendum 2

GENERAL DESIGN CONDITIONS

Start wind direction:	0.00 (Deg)
End wind direction:	330.00 (Deg)
Increment wind direction:	30.00 (Deg)
Elevation above ground:	0.00(Et)
Gust Response Factor Gh:	0.85
Structure class:	II
Exposure category:	C /
Topographic category:	1
Material Density:	490.1(lbs/ft^3)
Young's Modulus:	29000.0(ksi) .
Poisson Ratio:	0.30
Weight Multiplier:	1.25
Minimum Bracing Resistance as per 4.4.1	

W	1	N	D	(10	VL.	Y		C	0	N	D	IΊ	ГT	0	NS	ŝ					
U	1	t	i	ma	a t	e		D	e	s	i	g	n	W	i	nd	1	Sp	e	ed	(N
				_	- 9		m					_		26		. 2	~		-	. 2	1	

Ultimate Design Wind Speed (No Ice):	105.00 (mph)				
Nominal Design Wind Speed (No Ice):	81.33 (mph)				
Directionality Factor Kd:	0.85				
Importance Factor I:	1.00				
Wind Load Factor:	1.60				
Dead Load Factor:	1.20				
Dead Load Factor for Uplift:	0,90				

WIND AND ICE CONDITIONS:	
Basic Wind Speed (With Ice):	30.00(mph)
Directionality Factor Kd:	0.85
Wind Load Importance Factor Iw:	1.00
Ice Thickness Importance Factor Ii:	1.00
Ice Thickness:	0.75(in)
Ice Density:	56,19(lbs/ft ³)
Wind Load Factor:	1.00

Ice Density:	56.19
Wind Load Factor:	1.00
Dead Load Factor:	1.20
Ice Load Factor:	1.00

WIND ONLY SERVICEABILITY CONDITIONS:	
Serviceability Wind Speed:	60.00 (mph)
Directionality Factor Kd:	0.85
Importance Factor 1:	1 00

Importance Factor 1:	1.00
Wind Load Factor:	1.00
Dead Load Factor:	1.00

EARTHQUAKE CONDITIONS:	
Site class definition:	D
Spectral response acceleration Ss:	0.287
Spectral response acceleration S1:	0.095
Accelaration-based site coefficient Fa:	1.570
Velocity-based site coefficient Fv:	2.400
Design spectral response acceleration Sds:	0.300

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TSTower - v 5.6.0 Tower Analysis Program (c) 1997-2015 TowerSoft www.TSTower.com

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Project: 195 FT RT TOWER

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Engineer: SAO

Design spectral response acceleration Sd1: 0.152 Seismic analysis method: 1 Fundamental frequency of structure f1: 1.000 Total seismic shear Vs (Kips): 3.59

Analysis performed using: Robot Millenium Finite Element Analysis Software (by Robobat)

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Revision: 0

Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

(in) (in) (in)

(in) (in)

Section B: STRUCTURE GEOMETRY

TOWER GROMETRY	TOWER	GEOMETRY	
----------------	-------	----------	--

SECTION	GEOMETRY

			4.00											
Sec	Sec. Nam	ne		Elevat	ion	Widel	ns			Ма	sses			Brcg.
				Bottom	Top	Bottom	Top	Legs	Brcg.	Sec.Brc	Int.Brc	Sect.	Database	Clear.
#				(ft)	(ft)	(in)	(in)	(lbs)	(lbs)	(1hs)	(lbs)	(lbs)	(lbs)	(in)
9	RTS06			190.00	195.00	82	81	108	187	0	0	295	0	0.787
8	RST06	/		170.00	190.00	82	82	569	614	O	Ð	1183	0	0.787
7	RTTOB	**		150.00	170.00	107	82	810	714	0	0	1524	0	0.787
6	RTT10			130.00	150.00	132	107	1562	1095	0	0	2657	0	0.787
5	RTT12			110.00	130.00	156	132	1714	1147	0	0	2861	0	0.787
4	RTT14			90.00	110.00	182	156	2151	1719	0	0	3869	0	0.787
3	RTT18*	/		60.00	90.00	230	182	3727	2572	0	0	6300	0	0.787
2	RTT22	/		30.00	60.00	278	230	4899	3030	0	0	7930	0	0.787
1	RTT26*			0.00	30.00	326	278	4899	4015	0	279	9193	0	0.787
Tota	1 Mass:							20440	15093	0	279	35812	0	

PANEL GEOMETRY

Sec#	Pnl#	Туре	SecBrcg	Mid. Horiz Continuous	Horiz	Height	Bottom Width	Top Width	Plan Bracing	Hip Bracing	Gusset Plate Area	Gusset Plate Weight
						(ft)	(in)	(in)			(ft^2)	(lbs)
9	1	X	(None)		Yes	5.0	81.5	81.0	(None)	(None)	0.300	0.00
8	4	X	(None)		None	5.0	81.7	81.5	(None)	(None)	0.300	0.00
8	3	X	(None)		None	5.0	82.0	81.7	(None)	(None)	0.300	0.00
8	2	X	(None)		None	5.0	82.2	82.0	(None)	(None)	0.300	0.00
8	1	X	(None)		None	5.0	82.4	82.2	(None)	(None)	0.300	0.00
7	3	X	(None)		None	6.7	90.7	82.4	(None)	(None)	0.300	0.00
7	2	X	(None)		None	6.7	99.0	90.7	(None)	(None)	0.300	0.00
7	1	X	(None)		None	6.7	107.3	99.0	(None)	(None)	0.300	0.00
6	3	X	(None)		None	6.7	115.6	107.3	(None)	(None)	0.300	0.00
6	2	X	(None)		None	6.7	123.9	115.6	(None)	(None)	0.300	0.00
6	1	X	(None)		None	6.7	132.2	123.9	(None)	(None)	0.300	0.00
5	3	X	(None)		None	6.7	140.2	132.2	(None)	(None)	0.300	0.00
5	2	X	(None)		None	6.7	148.2	140.2	(None)	(None)	0.300	0.00
5	1	X	(None)		None	6.7	156.2	148.2	(None)	(None)	0.300	0.00
4	3	X	(None)		None	6.7	164.8	156.2	(None)	(None)	0.300	0.00
4	2	X	(None)		None	6.7	173.4	164.8	(None)	(None)	0.300	0.00
4	3	X	(None)		None	6.7	182.0	173.4	(None)	(None)	0.300	0.00
3	3	X	(None)		None	10.0	198.0	182.0	(None)	(None)	0.300	0.00
3	2	X	(None)		None	10.0	214.0	198.0	(None)	(None)	0.300	0.00
3	1	X	(None)		None	10.0	230.0	214.0	(None)	(None)	0.300	0.00
2	3	X	(None)		None	10.0	246.0	230.0	(None)	(None)	0.300	0.00
2	2	X	(None)		None	10.0	262.0	246.0	(None)	(None)	0.300	0.00
2	1	X	(None)		None	10.0	278.0	262.0	(None)	(None)	0.300	0.00
1	3	X	(None)		None	10.0	294.0	278.0	(None)	(None)	0.300	0.00
3	2	X	(None)		None	10.0	310.0	294.0	(None)	(None)	0.300	0.00
1	1	K	(None)		Yes	10.0	326.0	310.0	2-Subdiv.	(None)	0.300	0.00

MEMBER PROPERTIES

Sec/ Type Member	Description	Steel	Conn.	Bolt	Bolt	End	Edge	Gusset	Gusset	Bolt	Dble
Pnl Spacing		Grade	Type	#-Size	Grade	Dist.	Dist.	Thick.	Grade	Space	
opacing											Mem.

Stitch

Bolt

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Engineer: SAO

9/1 9/1	Leg	PIPE 2.875x0.203 L1 3/4x1 3/4x3/16	A500 gr.CSTension A529 gr.50Bolted	4-0.750 1-0.625	A325X A325X	1.500	0.875	0.250	A572 gr.50
									2.000
9/1	Horiz	L1 3/4x1 3/4x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.875	0.250	A572 gr.50 2.000
8/4	Leg	PIPE 3.500x0.216	A500 gr.CSTension		A325X	1 500	3 200	0.050	611/2 50
8/4	Diag	L2x2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.000	0.250	A572 gr.50 2.000
8/3	Leg Diag	PIPE 3.500x0.216 L2x2x3/16	A500 gr.CSTension A529 gr.50Bolted	5-0.875 1-0,625	A325X A325X	1.500	0.000	0.250	A572 gr.50
8/2	Leq	PIPE 3.500x0.216	A500 gr.CSTension	5-0.875	A325X				2.000
8/2	Diag	L2x2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.000	0.250	A572 gr.50 2.000
8/1	Leg	PIPE 3.500x0.216 L2x2x3/16	A500 gr.CSTension A529 gr.50Bolted	5-0.875	A325X A325X	1.500	0.000	0.250	A572 gr.50
0,1	Ding	maken of to	1323 g1.30101 ccd	1 0,023	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3.7.500	0.000	01230	2.000
7/3	Leg	PIPE 4.500x0.237	A500 gr.CSTension		A325X				
7/3	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50 2.000
7/2	Leg	PIPE 4.500x0.237 L2 1/2x2 1/2x3/16	A500 gr.CSTension A529 gr.50Bolted	5-1,000	A325X A325X	1.500	0.000	0.250	A572 gr.50
7/1	Leq	PIPE 4.500x0.237	A500 gr.CSTension		Λ325X				2.000
7/1	Diag	L2 1/2x2 1/2x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	0.000	0.250	A572 gr.50 2.000
6/3	Leg	PIPE 5.563x0,375	A500 gr.CSTension	6-1 000	A325X				
6/3	Diag	I.2 1/2x2 1/2x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.250	0.250	A572 gr.50 1.500
6/2	Leg	PIPE 5.563x0.375	A500 gr.CSTension	6-1.000	A325X	1.500	0.000	0.250	
6/2	Diag	L2 1/2x2 1/2x1/4	A529 gr.50Bolted		A325X	1.500	0.000	0.250	Λ572 gr.50 1.500
6/1 6/1	Leg Diag	PIPE 5.563x0.375 L2 1/2x2 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.000 1-0.625	A325X A325X	1.500	0.000	0.250	A572 gr.50
									1.500
5/3 5/3	Leg	PIPE 6.625x0.340	A500 gr.CSTension A529 gr.50Bolted	6-1.000	A325X A325X	1.500	1.620	0.250	A572 gr.50
5/2	Leq	PIPE 6.625x0.340	A500 gr.CSTension		A325X		2,007	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2.000
5/2	Diag	1,3x3x3/16	A529 gr.50Bolted	1-0.625	A325X	1.500	1.620	0.250	A572 gr.50
5/1	Leg	PIPE 6.625x0.340	A500 gr.CSTension		A325X				2.000
5/1	Diag	L3x3x3/16	Λ529 gr.50Bolted	1-0.625	A325X	1.500	1.620	0.250	A572 gr.50 2.000
4/3	Leg	PIPE 6.625x0.432	A500 gr.CSTension	6-1.500	A32SX				
4/3	Diag	L3x3x1/4	A529 gr.50Bolted	1-0.625	A325X	1.500	1.620	0.250	Λ572 gr.50 2.000
4/2	Leg	PIPE 6.625x0.432 L3x3x1/4	A500 gr.CSTension	6-1.500	A325X	1 500	1.620	0.250	
			A529 gr.50Rolted		A325X	1,500	1.620	0.250	A572 gr.50 2.000
4/1	Leg Diag	PIPE 6.625x0.432 L3x3x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 1-0.625	A325X A325X	1.500	1.620	0.250	A572 gr.50
									2.000
3/3	Leg Diag	PIPE 8.625x0.375 L3 1/2x3 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1,500 2-0,625	A325X A325X	1.500	2.000	0.375	A572 gr.50
3/2	Leg	PIPE 8.625x0.375	A500 gr,CSTension		A325X				2.000
3/2	Diag	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625		1,500	2.000	0,375	A572 gr.50
			5	D 0					

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	ACCUPATION OF							2.000
	3/1 3/1	Leg Diag	PIPE 8.625x0.375 L3 1/2x3 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		0.375	A572 gr.50 2.000
1	2/3 2/3	Leg Diag	PTPE 8.625x0.500 L3 1/2x3 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.000 0.375	A572 gr.50 2.000
	2/2 2/2	Leg Diag	PIPE 8.625x0.500 L3 1/2x3 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.000 0.375	
	2/1 2/1	Leg Diag	PIPE 8.625x0.500 L3 1/2x3 1/2x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.000 0.375	
/	- 10			2500				
/	1/3	Leg Diag	PIPE 8.625x0.500 L4x4x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.500 0.375	A572 gr.50 2.000
	1/2	Leg Diag	PIPE 8.625x0.500 L4x4x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.500 0.375	A572 gr.50 2.000
	1/1 1/1	Leg Diag	P1PE 8.625x0.500 L4x4x1/4	A500 gr.CSTension A529 gr.50Bolted	6-1.500 A325X 2-0.625 A325X		2.500 0.375	A572 gr.50 2.000
	1/1	Horiz	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	2-0.625 A325X	1.500 2	2.000 0,375	A572 gr.50
	1/1	PlanH1	L3 1/2x3 1/2x1/4	A529 gr.50Bolted	1-0.625 A325X	1.500 2	2.000 0.250	2.000 A572 gr.50 2.000

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Engineer: SAO

Section C: ANTENNA DATA

Structure Azimuth from North: 0

ANTENNAS

	Ant No.		Antenna (#) Type			Mount. Mount Type Radius (ft)		Tx Line . (#)Type	Size	ing Pipe Length (ft) Full Shielded	Ка
/	1	185.00	(1) HP4		0	4.00	0		-		1.00
			Vert. Offset	0.00	(ft)						
/	2	170.00	(1) HP6		120	4.50	120				1.00
			Vert. Offset	0.00	(ft)						
1	3	155.00	(1) HP4		240	5.25	240				1.00
			Vert. Offset	0.00	(ft)						
,	4	145.00	(1) HP4		0	6.00	0				1.00
/			Vert. Offset	0.00	(ft)						

ANT	ENNA AND MOUNT	WIND	AREAS AND	WEIGHTS								
Ant	Antenna/Mount		Frontal	Lateral	Frontal	Lateral	Weight	Weight	Frequency	Allowabl	e Gh I	Mount
No.			Bare Area	Bare Area	Iced Area	Iced Area	Bare	Iced		Signal		Ka
			(ft)^2	(ft)^2	(ft) 2	(ft)^2	(lbs)	(lbs)	GHz	Loss dB		
1	HP4		18.87	1.31	18.87	1.31	169.75	571.77	6.00	10	0.85	
2	HP6		40.35	2.81	40.35	2.81	279.98	1095.02	6.00	10	0.85	
3	HP4		18.87	1.31	18.87	1.31	169.75	565.20	6.00	10	0.85	
4	HP4		18.87	1.31	18.87	1.31	169.75	562.75	6.00	10	0.85	

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Engineer: SAO

Section D: TRANSMISSION LINE DATA

Transmission Lines Position

No.	Bot El	Top El	Desc.	Radius (ft)	Az.	Orient.	No.		No. of Rows	Vert. Antenna	User Ka
1	0.00	195.00	3/8 CABLE	17.00	0.00	0.00	1		1	Yes	
2	0.00	195.00	TX Ladder	8.39	60.00	30.00]		1	No	
3	185.00	195.00	LDF7P-50A	1.59	60.00	30.00	24		2	No	
4	0.00	195.00	Std Ladder	3.00	0.00	0.00	1		1	Yes	
5	0.00	185.00	LDF7P-50A	8.39	60.00	30.00	25	1	2	No	
6	0.00	180.00	TX Ladder	8.39	180.00	150.00	1		1	No	
7	170.00	180.00	LDF7P-50A	1.94	180.00	150.00	24		2	No	
8	0.00	170.00	LDF7P-50A	8.39	180.00	150.00	25		2	No	
9	0.00	165.00	TX Ladder	8.39	300.00	270.00	1	1	1	No	
1.0	155.00	165.00	LDF7P-50A	2.46	300.00	270.00	24		2	No	
11	0.00	155.00	LDF7P-50A	8.39	300.00	270.00	25		2	No	
12	0.00	155.00	TX Ladder	8.39	60.00	90.00	1	1	1	No	
13	145.00	155.00	LDF7P-50A	2.81	60.00	90.00	24	/	2	No	
14	0.00	145.00	LDF7P-50A	9.05	60.00	90.00	25		2	No	
15	0.00	195.00	RC0.75-Cnd	17.00	0.00	0.00	1		1	Yes	

Transmission Lines Details

No.	Desc.	Width (in)	Depth (in)	Unit Mass (lb/ft)	Line Spacing (in)	Row Spacing (in)
1	3/8 CABLE	0.38	0.38	1,00	2.750	2.750
2	TX Ladder /	4.70	1.50	4.00	2.750	2.750
3	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
4	Std Ladder /	2.98	1.25	3.75	2.750	2.750
5	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
6	TX Ladder /	4.70	1.50	4.00	2.750	2.750
7	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
8	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
9	TX Ladder /	4.70	1.50	4.00	2.750	2.750
10	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
11	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
12	TX Ladder /	4.70	1.50	4.00	2.750	2.750
13	LDF7P-50A	2.0.1	2.01	0.92	2.250	2.750
14	LDF7P-50A	2.01	2.01	0.92	2.250	2.750
15	RC0.75-Cnd	1.05	1.05	1,09	2.750	2.750

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Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

Section F: POINT LOAD DATA

Structure Azimuth from North:0.00

POINT LOADS

No.	Description	Elev.	Radius	Azim.	Orient.	Vertical	Tx Line	Comments
		(ft)	(ft)	(Deg)	(Deg)	Offset (ft)		
1	LIGHTNING ROD AND LIGHTS	195.00	1.00	0.0	0.0	0.00		
2	40,000 SQ-IN	195.00	1.00	0.0	0.0	0.00		
3	40,000 SQ-IN	180.00	1.00	120.0	120.0	0.00		
4	30,000 SQ-TN ,	165,00	1.00	240.0	240.0	0.00		
5	30,000 SO-IN	155.00	1.00	0.0	0.0	0.00		

POINT LOADS WIND AREAS AND WEIGHTS

No.	Description	Frontal Bare Area (ft^2)	Lateral Bare Area (ft^2)	Frontal Iced Area (ft^2)	Lateral Iced Area (ft^2)	Weight Bare (Kips)	Weight Iced (Kips)	Gh
1	LIGHTNING ROD AND LIGHTS	5.00	5.00	10.00	10.00	0.35	0.70	0.85
2	40,000 SQ-IN	278.00	278.00	556.00	556.00	4.00	8.00	0.85
3	40,000 SQ-IN	278.00	278.00	556.00	556.00	4.00	8.00	0.85
4	30,000 SQ-IN	209.00	209.00	418.00	418.00	3.00	6.00	0.85
5	30,000 SQ-IN	209.00	209.00	418.00	418.00	3.00	6.00	0.85

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Engineer: SAO

Section	n H:	STRUCTURE	DISPLACEME	INT	DATA
Load Co	ombina	tion	Max	Env	elope

Wind	Directi	on	[×	Naximum disp	lacements		
Node		N-S Disp		Vert.Disp	N-S Rot (Deg)		
	1101	1.2777	1.2.10.7	(411)	10091	12031	100
84	195.0	23.4	-23.3	-0.4	1.24	1.23	-0.14
81		22.1	-22.0	-0.4	1.26	1.25	-0.13
78	185.0	20.7	-20.7	-0.4	1.19	1.18	-0.09
75	180.0	19.5	-19.5	-0.4	1.26	1.26	-0.14
72	175.0	18.2	-18.2	-0.4	1.13	1.12	-0.05
69	170.0	17.0	-17.0	-0.4	1.14	-1.13	-0.11
66	163.3	15.4	-15.4	-0.4	1.01	-1.01	-0.03
63	156.7	14.0	-14.0	-0.4	1.00	-1.00	-0.08
60	150.0	12.6	-12.6	-0.3	0.86	-0.86	-0.03
57		11.4			0.88	-0.88	-0.07
54		10.2			0.76	-0.76	0.03
51	130.0	9.1	-9.1	-0.3	0.77	-0.77	-0.05
48	123.3		-8.1	-0.3	0.66	-0.66	0.02
45	116.7		-7.1	-0.3	0.66	-0.66	-0.04
42	110.0	6.2	-6.2	-0.3	0.54	-0.54	0.02
39	103.3	5.4	-5.5	-0.3	0.55	-0.56	-0.03
36	96.7		-4.7	-0.2	0.45	-0.45	0.02
33	90.0		-4.1	-0.2	0.43	-0.44	-0.03
3.0	80.0	3.1	-3.2	-0.2	0,33	-0.33	0.03
27	70.0		-2.5	-0.2	0.31	-0.31	
24	60.0	1.8	-1.8	-0.1	0.23	-0.23	0.02
21	50.0	1.3	-1.3	-0.1	0.22	-0.22	-0.01
18		0.9	-0.9	-0.1	0.15	-0.15	0.02
15		0.5	-0.5		0.14	-0.14	-0,01
12	20.0		-0.3		0.08		0.01
8		0.1	-0.1	0.0	0.04		0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00
-	Combina			Wind Only -			

Wind Direction

Maximum displacements

Node	Elev. (fL)	N-S Disp (in)	W-E Disp (in)	Vert.Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist (Deg)
84	195.0	8.0	8.0	-0.1	0.43	0.42	-0.05
81	190.0	7.6	7.6 *	-0.1	0.43	0.43	-0.04
78	185.0	7.1	7.1	-0.1	0.41	0.41	-0.03
75	180.0	6.7	6 - 7	-0.1	0.43	0.43	-0.05
72	175.0	6.2	6.2	-0.1	0.39	0.38	-0.02
69	170.0	5.8	5.8	- O . 1	0.39	0.39	0.04
66	163.3	5.3	5.3	-0.1	0.35	0.34	-0.01
63	156.7	4.8	4.8	-0.1	0.34	0.34	-0.03
60	150.0	4.3	4.3	-0.1	0.30	-0.29	-0.01
57	143.3	3.9	3.9	-0.1	0.30	0,30	0.02
54	136.7	3.5	3.5	-0.1	0.26	-0.26	0.01
51	130.0	3.1	3.1	-0.1	0.26	0.26	-0.02
48	123.3	2.8	2.8	-0.1	0,23	-0.23	0.01
45	116.7	2.4	2.5	-0.1	0.23	0.23	-0.01
42	110.0	2.1	2.1	-0.1	0.19	-0.19	0.01
39	103.3	1.9	1.9	-0.1	0.19	0.19	-0.01
36	96.7	1.6	-1.6	-0.1	0.15	-0.15	0.01
33	90.0	1.4	1.4	-0.1	0.15	0.15	-0.01
3.0	80.0	1.1	-1.1	-0.1	0.11	-0.11	0.01
27	70.0	0.8	-0.8	0.0	0.11	0.11	-0.01
24	60.0	0.6	-0.6	0.0	0.08	-0.08	0.01
2.1	50.0	0.5	-0.5	0.0	0.08	0.08	0.00

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18	40.0	0.3	-0.3	0.0	0.05	-0.05	0.01
15	30.0	0.2	-0.2	0.0	0.05	0.05	0.00
1.2	20.0	0.1	-0.1	0.0	0.03	-0.03	0.00
8	10.0	0.0	0.0	0.0	0.01	-0.01	0.00
3	0.0	0.0	0.0	0.0	0.00	0.00	0.00

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Section J: ANTENNA DISPLACEMENT DATA
Load Combination Wind Only Serviceability

Wind Dire	ection		Maximum d	lisplacemen	ts			
Ant .	Elev. (ft)	N-S Disp (in)	W-E Disp (in)	Vert.Disp (in)	N-S Rot (Deg)	W-E Rot (Deg)	Twist Tot (Deg)	Allow (Deg)
1	185.00	7.1	7.1	-0.1	0.41	0.41	-0.03	2.21
2	170.00	5.8	5.8	-0.1	0,39	0.39	-0.04	1.48
3	155.00	4.7	4.7	-0.1	0.33	0.33	-0.02	2.21
4	145.00	4.0	4.0	-0.1	0.30	0.30	-0.02	2.21

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Section L: STRENGTH ASSESSMENT SORTED DATA
Load Combination Max Envelope
Wind Direction Maximum

M 1 11	ו דנו	rection		Maximum								
Sec	Pnl	Elev.	МТуре	Desc.	Len	kl/r	Gov. comp.	Gov. tens.	Max Compi	Max Tens.	Asses. Ratio	
		(£ L)			(ft)		(Kips)	(Kips)	(Kips)	(Kips)		
9	1	190.00	Leq	PIPE 2.875x0.203	5.00	63.4	57.1	76.5	5.4	1.4	0.09	
8	4	185.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	15.0	10.9	0.18	
8	3	180.00		PIPE 3.500x0.216	5.00	51.7	82.5		20.8			
			Leg					100.4		16.7	0.25	
8	2	175.00	Leg	PIPE 3.500x0.216	5.00	51.7	82.5	100.4	35.6	28.9	0.43	
8	1	170.00	Leg	PIPE 3.500x0,216	5.00	51.7	82.5	100.4	51.2	44.7	0.62	
7	3	163.33	Lieg	PIPE 4.500x0.237	6.68	53.1	116.1	142.6	68.1	60.5	0.59	
7	2	156.67	Leg	PIPE 4.500x0.237	6.68	53,1	116.1	142.6	90.8	79.4	0.78	
7	1	150.00	Leg	PIPE 4.500x0.237	6.68	53.1	116.1	142.6	112.6	98.7	0.97	1
6	3	143.33	Leg	PIPE 5.563x0.375	6.68	43.6	239.3	275.0	137.4	121.4	0.57	
6	2	136.67	Leg	PIPE 5,563x0.375	6.68	43.6	239.3	275.0	158.5	141.3	0.66	
6	1	130.00	Leg	PIPE 5,563x0,375	6.68	43.6	239.3	275.0	180.3	161.5	0.75	
5	3	123.33	Lieg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	199.5	179.2	0.73	
5	2	116.67	Leg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	219.4	197.4	0.80	
5	1	110.00	Leg	PIPE 6.625x0.340	6.68	36.0	274.8	302.1	237.4	213.9	0.86	
4	3	103.33	Leg	P1PE 6.625x0.432	6.68	36.4	343.5	378.5	255.3	230.1	0.74	
4	2	96.67	Lieg	PIPE 6.625x0.432	6.68	36.4	343.5	378.5	271.8	244.8	0.79	/
4	1	90.00		PIPE 6.625x0.432	6.68	36.4	343.5	378.5	288.1	259.2	0.75	
3	3		Leg	PIPE 8.625x0.432		41.2		437.4			0.79	
		80.00	Leg		10.03		386.3		304.5	273.5		
3	2	70.00	Leg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	324.4	290.0	0.84	
3	1	60.00	Lieg	PIPE 8.625x0.375	10.03	41.2	386.3	437.4	340.4	303.6	0.88	
2	3	50.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	358.9	318.6	0.71	/
2	2	40.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	374.6	331.3	0.74	
2	1	30.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	392.0	345.1	0.78	
1	3	20.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	407.3	357.2	0,81	
1	2	10.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	423.9	370.1	0.84	/
1	1	0.00	Leg	PIPE 8.625x0.500	10.03	41.8	505.4	574.2	432.4	375.3	0.86	
9	1	190.00	Diag	I.1 3/4x1 3/4x3/16	8.42	134.5	7.7	10.7	5.0	4.8	0.64	
8	4	185.00	Diag	1.2x2x3/16	8.44	117.2		11.8	4.9	5.2	0.44	
8	3	180.00	Diag	L2x2x3/16	8.46	117.4		14.7	5.7	5.5	0.49	
8	2	175.00	Diag	L2x2x3/16	8.47	117.5		14.7	8.2	8.4	0.71	
8	1	170.00	Diag	L2x2x3/16	8.49	117.7		14.7	8.7	8.5	0.75	1
7	3	163.33	Diag	L2 1/2x2 1/2x3/16	9.82	113.6		14.1	8.5	8.3	0.59	-
-1	2	156.67	Diag	L2 1/2x2 1/2x3/16	10.34	118.7		14.7	9.2	9.3	0.64	
.7	1	150.00	Diag	L2 1/2x2 1/2x3/16	10.34	125.2		14.7				
	3								10.8	10.6	0.83	
6		143.33	Diag	L2 1/2x2 1/2x1/4	11.44	130.8		15.2	10.8	10.9	0.72	
6	2	136.67	Diag	L2 1/2x2 1/2x1/4	12.00	138 0		15.2	10.7	10.6	0.76	
6	1	130.00	Diag	L2 1/2x2 1/2x1/4	12.59	145.4		15.2	10.4	10.5	0.82	,
5	3	123.33	Diag	L3x3x3/16	13.17	125.3		14.7	10.6	10.5	0.72	1
5	2	116.67	Diag	L3x3x3/16	13.75	131.4		14.7	10.5	10.5	0.74	
5	1	110.00	Diag	L3x3x3/16	14.33	137.5		14.7	10.5	10.5	0.81	
4	.3	103.33	Diag	L3x3x1/4	14.95	144.1	15.2	15.2	10.0	10.0	0.66	
4	2	96.67	Diag	1.3×3×1/4	15.59	150.8	14.3	15.2	10.0	10.0	0.70	
-1	1	90.00	Diag	L3x3x1/4	16.24	157.5	13.1	15.2	10,1	10.1	0.77	
3	3	80.00	Diag	L3 1/2x3 1/2x1/4	18.73	146.8	17.7	30.4	9.4	8.7	0.53	/
3	2	70.00	Diag	L3 1/2x3 1/2x1/4	19.87	154.5	16.0	30.4	8.8	9.0	0.55	
3	1	60.00	Diag	L3 1/2x3 1/2x1/4	21.03	162.3		30.4	9.5	8.9	0.66	
2	3	50.00	Diag	L3 1/2x3 1/2x1/4	22.21	170.3		30.4	9.2	9.3	0.70	
2	2	40.00	Diag	L3 1/2x3 1/2x1/4	23.41	178.3		30.4	9.8	9.4	0.82	
2	1	30.00	Diag	L3 1/2x3 1/2x1/4	24.62	186.4		30.4	9,6	9.7	0.88	1
1	3	20.00	Diag	L4x4x1/4	25.85	171.7		30.4	10.1	9.8	0.68	
1	2.	10.00	Diag	L4×4×1/4	27.08	178.8		30.4	10.1	1.0.1	0.73	
î	1	0.00	Diag	L4×4×1/4	16.87	186.3		30.4	12.3	12.3	0.97	1
		0,00			1,5,07	100.3	. 2 . 0	J U . 1	4 55 - 23	2611	9.37	
9	1	190.00	Horiz	L1 3/4x1 3/4x3/16	6.75	216.3	3.0	10.7	0.0	0 - 2	0.02	

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1 1 0.00 Horiz L3 1/2x3 1/2x1/4 12.92 177.6 12.1 30.4 10.0 9.8 0.83 1 1 0.00 PlanH1 L3 1/2x3 1/2x1/4 12.92 224.6 7.6 0.1 0.1 0.01

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Section M: SECTION PROPERTIES DATA

Sec	₽an	Memb. Type	Steel Grade	Conn. Bol Type Bol	ts Bolt ts Size (in)	Bolt End Grade Dist (in)	Gusset Thick. (in)	kl/r Comp Cap. (Kips)	Tens Cap. (Kips)	Bolt Bear. Cap. Cap. (Kips) (Kips)	
9 9 9	1 1	Leq Diaq Horiz		Tension 4 Bolted 1 Bolted 1	0.750 0.625 0.625	A325X 1.125 A325X 1.500 A325X 1.500	N/A 0.250 0.250	63.4 57.1 134.5 7.7 216.3 3.0	76.5 17.4 17.4	121.7T N/A 15.2S 14.7 15.2S 14.7	N/A 10.7 10.7
8 8 8 8 8 8	4 4 3 3 2 2 1	Leg Diag Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 5 Bolted 1 Tension 5 Bolted 1 Tension 5 Bolted 1 Tension 5 Bolted 1	0.875 0.625 0.875 0.625 0.875 0.625 0.875 0.625	A325X 1.313 A325X 1.500 A325X 1.313 A325X 1.500 A325X 1.500 A325X 1.500 A325X 1.500 A325X 1.313 A325X 1.500	N/A 0.250 N/A 0.250 N/A 0.250 N/A 0.250	51.7 82.5 117.2 11.7 51.7 82.5 117.4 11.6 51.7 82.5 117.5 11.6 51.7 82.5 117.7 11.6	100.4 20.7 100.4 20.7 100.4 20.7 100.4 20.7	209.9T N/A 15.2S 14.7 209.9T N/A 15.2S 14.7 209.9T N/A 15.2S 14.7 209.9T N/A 15.2S 14.7	N/A 11.8 N/A 16.4 N/A 16.4 N/A 16.4
7 7 7 7 7	3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 5 Bolted 1 Tension 5 Bolted 1 Tension 5 Bolted 1	1.000 0.625 1.000 0.625 1.000 0.625	A325X 1.500 A325X 1.500	N/A 0.250 N/A 0.250 N/A 0.250	53.1 116.1 113.6 15.8 53.1 116.1 118.7 14.4 53.1 116.1 125.2 13.0	142.6 27.7 142.6 27.7 142.6 27.7	275.3T N/A 15.2S 14.7 275.3T N/A 15.2S 14.7 275.3T N/A 15.2S 14.7	N/A 14.1 N/A 16.4 N/A 16.4
6 6 6 6 6	3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50	Bolted 1 Tension 6	1.000 0.625 1.000 0.625 1.000 0.625		N/A 0.250 N/A 0.250 N/A 0.250	43.6 239.3 130.8 15.7 43.6 239.3 138.0 14.1 43.6 239.3 145.4 12.7	275.0 36.5 275.0 36.5 275.0 36.5	330.3T N/A 15.2S 19.5 330.3T N/A 15.2S 19.5 330.3T N/A 15.2S 19.5	N/A 18.7 N/A 21.8 N/A 21.8
5 5 5 5	3 3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 6 Bolted 1 Tension 6 Bolted 1 Tension 6 Bolted 1	1.000 0.625 1.000 0.625 1.000 0.625		N/A 0.250 N/A 0.250 N/A 0.250	36.0 274.8 125.3 15.7 36.0 274.8 131.4 14.3 36.0 274.8 137.5 13.0	302.1 34.6 302.1 34.6 302.1 34.6	330.3T N/A 15.2S 14.7 330.3T N/A 15.2S 14.7 330.3T N/A 15.2S 14.7	N/A 17.5 N/A 17.5 N/A 17.5
4 4 4 4	3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 6 Bolted 1 Tension 6 Bolted 1 Tension 6 Bolted 1	1.500 0.625 1.500 0.625 1.500 0.625	A325X 2.250 A325X 1.500 A325X 2.250 A325X 1.500 A325X 2.250 A325X 1.500	N/A 0.250 N/A 0.250 N/A 0.250	36.4 343.5 144.1 15.7 36.4 343.5 150.8 14.3 36.4 343.5 157.5 13.1	378.5 45.6 378.5 45.6 378.5 45.6	765.3T N/A 15.2S 19.5 765.3T N/A 15.2S 19.5 765.3T N/A 15.2S 19.5	N/A 23.2 N/A 23.2 N/A 23.2
3 3 3 3	3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 6 Bolted 2 Tension 6 Bolted 2 Tension 6 Bolted 2	1.500 0.625 1.500 0.625 1.500 0.625	A325X 1.500 A325X 2.250	N/A 0.375 N/A 0.375 N/A 0.375	41.2 386.3 146.8 17.7 41.2 386.3 154.5 16.0 41.2 386.3 162.3 14.5	437.4 54.8 437.4 54.8 437.4 54.8	765.3T N/A 30.4S 39.0 765.3T N/A 30.4S 39.0 765.3T N/A 30.4S 39.0	N/A 36.9 N/A 36.9 N/A 36.9
2 2 2 2 2 2	3 3 2 2 1	Leg Diag Leg Diag Leg Diag	A529 gr.50 A500 gr.CS A529 gr.50 A500 gr.CS	Tension 6 Bolted 2 Tension 6 Bolted 2 Tension 6 Bolted 2	1.500 0.625 1.500 0.625 1.500 0.625	A325X 2.250 A325X 1.500 A325X 2.250 A325X 1.500 A325X 3.250 A325X 1.500	N/A 0.375 N/A 0.375 N/A 0.375	41.8 505.4 170.3 13.2 41.8 505.4 178.3 12.0 41.8 505.4 186.4 11.0	574.2 54.8 574.2 54.8 574.2 54.8	765.3T N/A 30.4S 39.0 765.3T N/A 30.4S 39.0 765.3T N/A 30.4S 39.0	N/A 36.9 N/A 36.9 N/A 36.9
1 1	3 3 2	Leg Diag Leg	A529 gr.50	Tension 6 Bolted 2 Tension 6	1,500 0,625 1,500	A325X 2.250 A325X 1.500 A325X 2.250	N/A 0.375 N/A	41.8 505.4 171.7 14.9 41.8 505.4	574.2 63.9 574.3	765.3T N/A 30.4S 39.0 765.3T N/A	N/A 43.0 N/A

Licensed to: ROHN Products LLC

Peoria, IL

File: W:\Jobs\2019\228921\228921.out

Contract: 228921
Project: 195 FT RT TOWER
Date and Time: 1/15/2019 9:01:39 AM

Revision: 0 Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

1	2	Diag	A529 g	gr.50	Bolted	2	0.625	A325X 1.500	0.375	178.8 13.7	63.9	30.4S	39.0	43.0
1	1	Leg	A500 g	gr.CS	Tension	6	1.500	A325X 2.250	N/A	41.8 505.4	574.2	765.31	N/A	N/A
1	1	Diag	A529 9	gr.50	Bolted	2	0,625	A325X 1.500	0.375	186.3 12.6	63.9	30.48	39.0	43.0
1	1	Horiz	A529 g	jr.50	Bolted	2	0.625	A325X 1.500	0.375	177.6 12.1	54.8	30.45	39.0	36.9
1	1	PlanIII	A529 g	gr.50	Bolted	1	0.625	A325X 1.500	0.250	224.6 7.6	54.8	15.28	19.5	27.9

TSTower - v 5.6.0 Tower Analysis Program (c) 1997-2015 TowerSoft www.TSTower.com

Licensed to: ROHN Products LLC Peoria, IL

File: W:\Jobs\2019\228921\228921.out

Contract: 228921 Project: 195 FT RT TOWER

Date and Time: 1/15/2019 9:01:39 AM

Revision: 0

Site: CORBIN SOUTH PIKY020- KY

Engineer: SAO

Section N: LEG REACTION DATA

Load Combination Wind Direction

Max Envelope Maximum

Force Y Force-Y Shear-X Shear-Z Max Shear Download Uplift (Kips) (Kips) (Kips) (Kips) (Kips)

445.63 386.46

49.91

TSTower - v 5.6.0 Tower Analysis Program (c) 1997-2015 TowerSoft www.TSTower.com

Licensed to: ROHN Products LLC

Peoria, IL

File: W:\Jobs\2019\228921\228921.out

Contract: 228921
Project: 195 FT RT TOWER
Date and Time: 1/15/2019 9:01:39 AM

Revision: 0

Site: CORBIN SOUTH PIKY020- KY Engineer: SAO

Section O: TOWER FOUNDATION DATA
Load Combination Max Er
Wind Direction Maximum

Max Envelope Maximum

Axial	Shear Load-X	Shear Load-Z	Total Shear	Moment-X	Moment-Y	Moment-Z	Total Moment
(Kips)	(Kips)	(Kips)	(Kips)	(Kipsft)	(Kipsft)	(Kipsft)	(Kips(t)
63.76	39.93	69.25	79.94	8509.12	-5.18	-4899.07	9818.66
63.76	39.93	69.25	79.94	8509.12	-5.18	-4899.07	9818.66

Build Code:

PLTOWER DEVELOPMENT LLC C/O LENDLEASE (US)

TELECOM HOLDINGS LLC

Project:

195 FT RT TOWER CORBIN SOUTH PIKY020- KY

Site:

Engr. File:

ANSI/11A-222-G-2005



Mat Foundation

ver.2.2.14

Design Parameters

			Load	Case		
Description	1	2	3	4	5	Service
Total Moment, ft-kips	9,816.64	9,818.66	1,426.80	539.00	536.81	3.371.12
Total Shear, kips	79.94	79.94	10.57	3.59	3.59	27.64
Total Tower Wt, kips	85.02	63.76	268.10	85.02	63.76	70.85
Max. Uplift, kips	379.46	386.46	.00	.00	1.54	116.80
Shear, kips	44.14	44.66	44.66	14.23	.65	14.23
Max Download, kips	445.63	438.63	148.19	51.18	44.02	166.92
Shear	49.91	49.38	12.98	4.35	3.82	18.27
Soil L.F.	1.20	0.90	1.20	1.20	0.90	1.00
Concrete L.F.	1.20	0.90	1.20	1.20	0.90	1.00

Foundation	
Ht. AGL, ft	0.50
Depth, ft.	4.50
Tower	
Face Width, ft	27.16
Offset, in	48.00
Soil	N/A
Blow Count	N/A
Inplace Unit Wt, pcf	110.00
Submerged Unit Wt, pcf	60.00
Friction Angle, \(\phi \), deg.	30.00
Cohesion, ksf	N/A
Uplift Angle, deg.	30.00
Water Depth, ft	None
Ult Bearing Capacity, ksf	10.00

Mat	
Thickness, ft	5.00
Width, ft	32.00
EA, in	22.00
Batter, in/ft	0.00

1	, , , , , , , , , , , , , , , , , , ,			
	N/A	Anchor Bolts		Pocket
	N/A	Diameter, in	1.5000	Diameter, in
	110.00	No.	_ 6	Thickness, ft
f	60.00	Length, in	60.00	
	30.00	Bolt Circle, in	20.00	
	N/A	Projection, in	7.50	
	30.00	Concrete		Rebar Fy
	None	28 Day Strength, ksi	4.50	Vertical, ksi
		Dry Unit Wt, pcf	150.00	Circular, ksi
sf	10.00	Wet Unit Wt, pcf	88.00	Horizontal, ksi
10	AMOWAE	IE BEARING	FIFTEN	+ = 5,000

Pocket	
Diameter, in	N/A
Thickness, ft	N/A

Rebar Fy	
Vertical, ksi	60.00
Circular, ksi	60.00
Horizontal, ksi	60.00

Results

10,871.42 ft-kips ♦ M_N - Diagonal Axis 11,989.69 ft-kips Moment - Interaction Ratio 0.963 198.18 kips 0.403

Lateral Load - Interaction Ratio

Final Mat Dimension

: 32.00 x 32.00 x 5.00 ft. thick

Final Pocket Dimension : Pockets not required

Total Volume of Concrete: 189.6 yd1

Designed By:	SAO	Checked By	HA	
Date:	16 Jan. 19 (a) 09:02 AM	Date	1111/10	
			1/1/1/1	Pauci

Customer:

PLTOWER DEVELOPMENT LLC C/O LENDLEASE (US)

TELECOM HOLDINGS LLC

Project:

195 FT RT TOWER CORBIN SOUTH PIKY020- KY

Site: CORBI Engr. File: 228921

Build Code:

ANSI/TTA-222-G-2005



Mat Foundation

ver.2.2.14

OTM Capacity

Controlling Load Case: 2 [Wind w/Min. Dead Load]

Foundation Width = 32.00 ft

 $M_U = 10,473.4 \text{ ft-kips}$

	φM _N , ft-kips	x, ft	N	σ _{til}
Parallel	10,871.4	3.200	0.100	9.83
Diagonal	11,989.7	10.119	0.224	9.83

 $\phi M_N = 10,871.42 \text{ ft-kips}$

IRatio = 0.963

 $\phi V_N = 198.18 \text{ kips}$

IRatio = 0.403

Mat Design

 $\gamma_o = 150.00 \text{ pcf}$

						Moment, fi	t-kips/ft	Shear, ki	ips/ft
Exterior Slab	x, ft	N	σ _R , ksf	P, kips	P _{su} kips	DownLoad Side	Uplift Side	Download Side	Uplift Side
Parallel	4.254	0.133	5.55	0.00	0.00	21.71	4.01	14.54	2.69
Diagonal	13.132	0.290	4.38	0.00	0.00	101.03	27.42	24.31	7.24

	Moment, ft-	-kips/ft	10 No.	Shear, kips/fi	1000-00.20
Interior Slab	DownLoad Side	Uplift Side	Download Side	Uplift Side	Soil Pressure Termination
	23.91	94.79	7.24	10.61	8.37

D	Uplift			Download			Punching
Description	Corner	Edge	Interior	Corner	Edge	Interior	Shear
	12.64	16.96	24.24	11.64	15.96	24.24	b _o , ft
2.37/ 61	46.32	34.52	24.15	58.01	42.30	27.85	Vsu, psi
2-Way Shear	228.08	228.08	228.08	228.08	228.08	228.08	φVc, psi
	0.20	0.15	0.11	0.25	0.19	0.12	IR
		N/A	W-2-100000		N/A	PA 62 PA 100 PA	M _{nt} , ft-kips
Moment transfer to	N/A		N/A			B _e , ft	
slab		N/A			N/A		M _u , ft-kips/ft

Summary	Max. Value	Utilization
Slab Moment, ft-kips/ft	101.03	0.570
Slab Shear, kips/ft	24.31	0.323
Punching Shear, psi	58.01	0.254
Soil Bearing Required, σ_{HR} , ksf	7.39	0.739

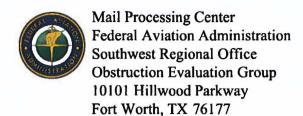
Mat Reinforcemen	ıt
Min. Steel Area (Strength)	.381 in /ft
Min. Steel Area (Temperature)	.648 in /ft
Steel Strain Actual	0.074
Minimum Steel Strain Required	0.005

36 - #7 Horizontal bars equally spaced @10.80 in., each way, top and bottom, total of 144, $A_s = 0.676 \text{ in}^2/\text{ft}$

Designed By:	ŠAO	Checked By:	HA
Date:	16 Jan, 19 @ 09:02 AM	Date	11/1/19
			Page 1

EXHIBIT

E



Aeronautical Study No. 2018-ASO-17677-OE Prior Study No. 2018-ASO-3371-OE

Issued Date: 12/04/2018

Alejandra Stinson
PI Tower Development, LLC LendLease Americas-AS
2320 Cascade Pointe Blvd
Suite 300
Charlotte, NC 28208

** 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 PIKY020 LV Corbin South

Location:

Corbin, KY

Latitude:

36-55-32.03N NAD 83

Longitude:

84-07-51.69W

Heights:

1397 feet site elevation (SE)

199 feet above ground level (AGL)

1596 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure would have no substantial adverse effect on the safe and efficient utilization of the navigable airspace by aircraft or on the operation of air navigation facilities. Therefore, pursuant to the authority delegated to me, it is hereby determined that the structure would not be a hazard to air navigation provided the following condition(s) is(are) met:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

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

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

X	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 06/04/2020 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 does not constitute authority to transmit on the frequency(ies) identified in this study. The proponent is required to obtain a formal frequency transmit license from the Federal Communications Commission (FCC) or National Telecommunications and Information Administration (NTIA), prior to on-air operations of these frequency(ies).

This determination of No Hazard is granted provided the following conditional statement is included in the proponent's construction permit or license to radiate:

Upon receipt of notification from the Federal Communications Commission that harmful interference is being caused by the licencee's (permittee's) transmitter, the licensee (permittee) shall either immediately reduce the power to the point of no interference, cease operation, or take such immediate corrective action as is necessary to eliminate the harmful interference. This condition expires after 1 year of interference-free operation.

This determination is subject to review if an interested party files a petition that is received by the FAA on or before January 03, 2019. In the event a petition for review is filed, it must contain a full statement of the basis upon which it is made and be submitted to the Manager of the Airspace Policy Group. Petitions can be submitted via mail to Federal Aviation Administration, 800 Independence Ave, SW, Room 423, Washington, DC 20591, via email at OEPetitions@faa.gov, or via facsimile (202) 267-9328.

This determination becomes final on January 13, 2019 unless a petition is timely filed. In which case, this determination will not become final pending disposition of the petition. Interested parties will be notified of the grant of any review. For any questions regarding your petition, please contact Airspace Policy Group via telephone -202-267-8783.

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, effective 21 Nov 2007, 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.

This aeronautical study considered and analyzed the impact on existing and proposed arrival, departure, and en route procedures for aircraft operating under both visual flight rules and instrument flight rules; the impact on all existing and planned public-use airports, military airports and aeronautical facilities; and the cumulative impact resulting from the studied structure when combined with the impact of other existing or proposed structures. The study disclosed that the described structure would have no substantial adverse effect on air navigation.

An account of the study findings, aeronautical objections received by the FAA during the study (if any), and the basis for the FAA's decision in this matter can be found on the following page(s).

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

This determination cancels and supersedes prior determinations issued for this structure.

If we can be of further assistance, please contact Kerryaine Yarber, at (202) 267-3215, or kerryaine.yarber@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2018-ASO-17677-OE.

Signature Control No: 372962393-391478873

(DNH)

Mike Helvey
Manager, Obstruction Evaluation Group

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

cc: FCC

Additional information for ASN 2018-ASO-17677-OE

Aeronautical Study Number 2018-ASO-17677-OE

Abbreviations

AGL - above ground level AMSL - above mean sea level

VFR - visual flight rules nm - nautical mile

Part 77 - Title 14 Code of Federal Regulations (CFR) Part 77, Objects Affecting Navigable Airspace

Our study has disclosed that this proposed 190-foot above ground level (AGL), 1,596-foot above mean sea level (AMSL), antenna tower penetrates 14 CFR Part 77 protected airspace surfaces at Baptist Regional Medical Center heliport (98KY), Corbin, KY. The proposed antenna would be located approximately 0.53 nautical miles (nm) east of the 98KY airport reference point. The 98KY airport elevation is 218 feet AMSL.

Although 98KY is a private air ambulance heliport, it has Federal Aviation Administration developed and approved approaches that are protected under Part 77. This proposed antenna tower would have the following impact on 98KY airspace surface:

The antenna would exceed the 98KY the COPTER RNAV (GPS) 12 and OKSOW ONE DEPARTURE visual protected airspace by 190 feet, which requires annotations and updates in the pilot navigational charts to mitigate the effect and ensure safety.

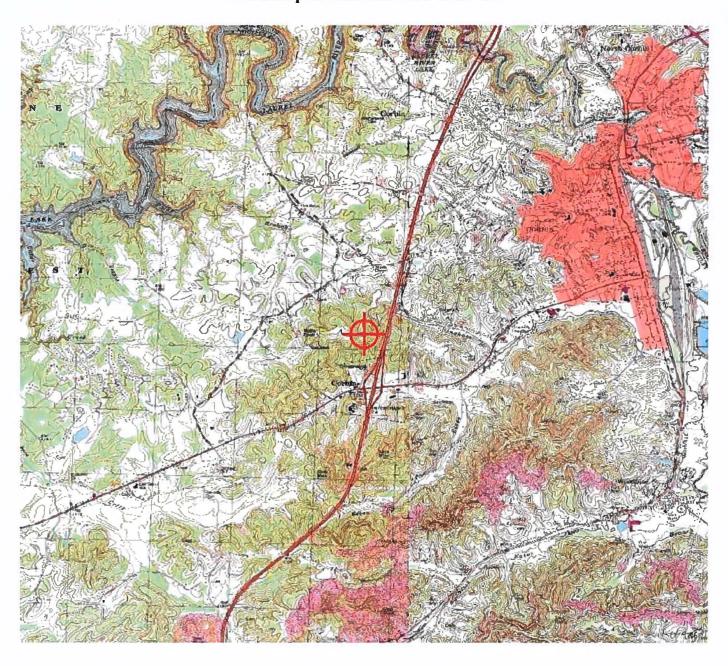
In order to issue the necessary notifications and update charts, it is required that Hickok & Associates are notified at, (251) 980-1156 or hickok@hickokgpsifr.com, at least ten business days prior to raising the structure and again within five business days of the antenna reaching its greatest height.

Additionally, due to the effect on the COPTER route and the proposed location along a VFR route, the proposed antenna must be lighted with medium dual lighting.

Frequency Data for ASN 2018-ASO-17677-OE

LOW	HIGH	FREQUENCY	***	ERP
FREQUENCY	FREQUENCY	UNIT	ERP	UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
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

TOPO Map for ASN 2018-ASO-17677-OE



Sectional Map for ASN 2018-ASO-17677-OE



EXHIBIT

F



KENTUCKY AIRPORT ZONING COMMISSION

MATTHEW BEVIN Governor

421 Buttermilk Pike Covington, KY 41017 www.transportation.ky.gov 859-341-2700

April 20, 2018

APPROVAL OF APPLICATION

APPLICANT:

PI Towers Development LLC (TX) PI Towers Development LLC (TX) 909 Lake Carolyn Pkwy|Suite 260 Irving, TX 75039

SUBJECT: AS-118-BYL-2018-026

STRUCTURE:

Antenna Tower

LOCATION:

Corbin, KY

COORDINATES: 36° 55' 32.03" N / 84° 7' 51.69" W

HEIGHT:

230' AGL/1627'AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 230'AGL/ 1627'AMSL Antenna Tower near Corbin, KY 36° 55' 32.03" N / 84° 7' 51.69" W.

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.

A copy of the approved application is enclosed for your files.

Medium Dual Obstruction Lighting is required in accordance with 602 KAR 50:100.

John Houlihan Administrator





KENTUCKY AIRPORT ZONING COMMISSION

MATTHEW BEVIN Governor

421 Buttermilk Pike Covington, KY 41017 www.transportation.ky.gov 859-341-2700

CONSTRUCTION/ALTERATION STATUS REPORT

April 20, 2018

AERONAUTICIAL STUDY NUMBER: AS-118-BYL-2018-026

PI Towers Development LLC (TX) PI Towers Development LLC (TX) 909 Lake Carolyn Pkwy|Suite 260 Irving, TX 75039

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on April 20, 2018. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 421 Buttermilk Pike, Covington, KY, 41017. 859-341-2700.

STRUCTURE:

Antenna Tower

LOCATION:

Corbin, KY

COORDINATES:

36° 55' 32.03" N / 84° 7' 51.69" W

HEIGHT:

230' AGL /1627'AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project () is abandoned. () is not abandoned.

Construction status is as follows: Structure reached its greatest height of	fl. AGL	
ft. AMSL on	(date).	
Date construction was completed.		
Type of obstruction marking/painting.		
Type of obstruction lighting.		
As built coordinates.		
Miscellaneous Information.		
DATE		
SIGNATURE/TITLE		





KENTUCKY TRANSPORTATION CABINET

TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

ATTECATION	TERRITO CO.			
APPLICANT (name)	PHONE	FAX	KY AERONAUTI	
PI Towers Development, LLC	513-259-3673		AS-118-BY	12-2018-026
ADDRESS (street)	CITY		STATE	ZIP
909 Lake Carolyn Parkway Suite 260	Irving		TX	75039
APPLICANT'S REPRESENTATIVE (name)	PHONE	FAX		
Wireless Applications Corporation	425-643-5000			
ADDRESS (street)	CITY		STATE	ZIP
111 108th Ave NE, Suite 160	Bellevue		WA	98004
APPLICATION FOR New Construct			WORK SCHEDULE	
	Temporary (<i>months</i> days) Start 03/24/2018 End 03/23/2019			
TYPE Crane Building		G/LIGHTING PREFE		
Antenna Tower	Red Lights & Paint			
Power Line Water Tank	Dual- red & medium intensity white Dual- red & high intensity whi			& high intensity white
Landfill Other	Other			
LATITUDE	LONGITUDE			NAD83 NAD27
36°55′32.03″	084 ⁰ 07′51.69″		Other	
NEAREST KENTUCKY	NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT			
City Corbin County Whitley	98KY: Baptist Health Corbin			
SITE ELEVATION (AMSL, feet) 1397	TOTAL STRUCTURE	HEIGHT (AGL, feet)		aeronautical study #)
	230		2018-ASO-3371	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1627			PREVIOUS (FAA	aeronautical study #)
DISTANCE (from nearest Kentucky public use or Military airport to structure)				
0.52 nm	ime (non-neurest kentucky public use or Military airport to structure)			neronautical study #)
DIRECTION (from nearest Kentucky public use or Military airport to structure)				
104.86 Degrees				
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site				
marked and any certified survey.)				
Proposed tower located near 5 th Street Road, Whitley County, Corbin, KY, 40701				
DESCRIPTION OF PROPOSAL				
Proposed 230 ft AGL Self Support Lattice Tower, ioncluding all top-mounted appurtenances				
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)				
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief)				
PENALITIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3) Necessarily as a set forth in KRS 183.990(3) Ne				
ANABET IN AND 103.930(3). Noncompliance with FAA regulations may result in further penalties \				
D. Inte	SIGNATURE		DATE	pendides.
Ronald W. Lageson, Jr Regulatory	Lonaldi	Yus 9	2/9/2018	
COMMISSION ACTION	Chairperson,	KAZC		
	Administrator	r, KAZC		
Approved SIGNATURE	'		DATE	. 18
Disapproved		,	DATE AL	0-18

EXHIBIT

G

Date: October 23, 2018 POD Job Number: 17-14599

GEOTECHNICAL REPORT

CORBIN SOUTH (PIKY020)

(VZW – LV CORBIN SOUTH) 36° 55' 32.03" N 84° 07' 51.69" W

> 5th Street Rd aka KY Hwy 727 Corbin, KY 40701

> > **Prepared For:**



For:



Prepared By:





October 23, 2018

Ms. Alejandra Stinson Lendlease (US) Telecom Holdings, LLC C/O PI Tower Development, LLC 909 Lake Carolyn Parkway, Suite 260 Irving, TX 75039

Re:

Geotechnical Report – PROPOSED 195' SELF-SUPPORT TOWER w/ 4' LIGHTNING ARRESTOR

Site Name: CORBIN SOUTH (PIKY020) (VZW - LV CORBIN SOUTH)

Site Address: 5th Street Rd, aka KY Hwy 727, Corbin, Whitley County, Kentucky

Coordinates: N36° 55' 32.03", W84° 07' 51.69"

POD Project No. 17-14599

Dear Ms. Stinson:

Attached is our geotechnical engineering report for the referenced project. This report contains our findings, an engineering interpretation of these findings with respect to the available project characteristics, and recommendations to aid design and construction of the tower and equipment support foundations.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact our office.

Cordially,

Mark Patterson, P.E. Project Engineer

License No.: KY 16300

Copies submitted:

(3) Ms. Alejandra Stinson

CORBIN SOUTH October 23, 2018

LETTER OF TRANSMITTAL

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BORING LOCATION PLAN BORING LOG SOIL SAMPLE CLASSIFICATION

CORBIN SOUTH October 23, 2018

Geotechnical Report

PROPOSED 195' SELF-SUPPORT TOWER w/ 4' LIGHTNING ARRESTOR

Site Name: CORBIN SOUTH (PIKY020) (VZW – LV CORBIN SOUTH)

5th Street Rd, aka KY Hwy 727, Corbin, Whitley County, Kentucky

N36° 55′ 32.03″, W84° 07′ 51.69″

1. PURPOSE AND SCOPE

The purpose of this study was to determine the general subsurface conditions at the site of the proposed tower by

drilling three borings and to evaluate this data with respect to foundation concept and design for the proposed

tower. Also included is an evaluation of the site with respect to potential construction problems and

recommendations dealing with quality control during construction.

2. PROJECT CHARACTERISTICS

Lendlease (US) Telecom Holdings, LLC is proposing to construct a self-support tower and either an equipment

shelter, slab or platform at N36° 55' 32.03", W84° 07' 51.69", 5th Street Rd, aka KY Hwy 727, Corbin, Whitley

County, Kentucky. The site is located on a mountain side surrounded by trees just west of Interstate 75 and Corbin

in a rural/suburban area of Whitley County. The proposed lease area will be 8,000 square feet and will be accessed

along an existing dirt road from 5th Street Rd, and south to the site. The proposed elevation at the tower location is

about EL 1396 and there is over 12 feet of change in elevation across the proposed lease area. The proposed

tower location is shown on the Boring Location Plan in the Appendix.

3. SUBSURFACE CONDITIONS

The subsurface conditions were explored by drilling three test borings near the base of the proposed tower. The

Geotechnical Soil Test Boring Logs, which are included in the Appendix, describes the materials and conditions

encountered. A sheet defining the terms and symbols used on the boring logs is also included in the Appendix. The general

subsurface conditions disclosed by the test borings are discussed in the following paragraphs.

According to the Kentucky Geological Survey, Kentucky Geologic Map Information Services, the site is underlain by the

Middle Pennsylvanian age Pikeville Formation. The formation is made up of mixed clastics of siltstone, sandstone, shale

coal and underclay and is non-karst.

The borings encountered about 2 to 4 inches of topsoil at the existing ground surface. Below the topsoil, the borings B-1

and B-2 encountered silty clay (CL-CH) of medium to high plasticity and B-3 encountered highly weathered clayshale to

depths between 2 and 4.5 feet. The SPT N-values in the silty clay were between 8 and 9 blows per foot (bpf) generally

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CORBIN SOUTH October 23, 2018

indicating a medium stiff consistency. Highly weathered sandstone was encountered below the silty clay and clayshale to about 12 feet where highly weathered shale/clayshale was encountered. The borings B-2 and B-3 were terminated at the scheduled depth of 20 feet in the highly weathered shale. B-1 encountered less weathered, slightly harder shale at about 28 feet and was terminated at the scheduled depth of 40 feet.

Groundwater was noted on the drilling equipment at about 28 feet in boring B-1 and at 30 feet at completion. Borings B-2 and B-3 were dry at the completion of soil drilling operations. It must be noted, however, that short-term water readings in test borings are not necessarily a reliable indication of the actual groundwater level. Furthermore, it must be emphasized that the groundwater level is not stationary but will fluctuate seasonally.

Based on the limited subsurface conditions encountered at the site and using Table 1615.1.1 of the 2013 Kentucky Building Code, the site class is considered "C". Seismic design requirements for telecommunication towers are given in section 1622 of the code. A detailed seismic study was beyond the scope of this report.

4. FOUNDATION DESIGN RECOMMENDATIONS

The following design recommendations are based on the previously described project information, the subsurface conditions encountered in our borings, the results of our laboratory testing, empirical correlations for the soil types encountered, our analyses, and our experience. If there is any change in the project criteria or structure location, you should retain us to review our recommendations so that we can determine if any modifications are required. The findings of such a review can then be presented in a supplemental report or addendum.

We recommend that the geotechnical engineer be retained to review the near-final project plans and specifications, pertaining to the geotechnical aspects of the project, prior to bidding and construction. We recommend this review to check that our assumptions and evaluations are appropriate based on the current project information provided to us, and to check that our foundation and earthwork recommendations were properly interpreted and implemented.

CORBIN SOUTH October 23, 2018

4.1. Proposed Tower

Our findings indicate that the proposed self-support tower can be supported on drilled piers or on a common mat foundation.

4.1.1. Drilled Piers

The following table summarizes the recommended values for use in analyzing lateral and frictional resistance for the various strata encountered at the test boring. It is important to note that these values are estimated based on the standard penetration test results and soil types, and were not directly measured. The all values provided are ultimate values and appropriate factors of safety should be used in conjunction with these values. If the piers will bear deeper than about 40 feet, a deeper boring should be drilled to determine the nature of the deeper material.

Depth Below Ground Surface, feet	0-3	3 - 12	12 – 28	28 – 40
Ultimate Bearing Pressure (psf)		13,800	22,100	55,300
C Undrained Shear Strength, psf	500	2,500	4,000	10,000
Ø Angle of Internal Friction degrees	0	0	0	0
Total Unit Weight, pcf	110	120	135	135
Soil Modulus Parameter k, pci	30	750	2000	2000
Passive Soil Pressure, psf/one foot of depth		1,650 + 40(D-3)	2,675 + 45(D-12)	6,500 + 45(D-16)
Side Friction, psf	100	700	1000	1200

Note: D = Depth below ground surface (in feet) to point at which the passive pressure is calculated.

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It is important that the drilled piers be installed by an experienced, competent drilled pier contractor who will be responsible for properly installing the piers in accordance with industry standards and generally accepted methods, without causing deterioration of the subgrade. The recommendations contained herein relate only to the soil-pier interaction and do not account for the structural design of the piers.

4.1.2. Mat Foundation

The tower could be supported on a common mat foundation bearing on the weathered sandstone at least 3 feet in depth can be designed using a net allowable bearing pressure of 5,000 pounds per square foot may be used. This value may be increased by 30 percent for the maximum edge pressure under transient loads. The friction value can be increased to 0.40 between the concrete and bedrock. The passive pressures given for the drilled pier foundation may be used to resist lateral forces.

It is important that the mat be designed with an adequate factor of safety with regard to overturning under the maximum design wind load.

4.2. Equipment Platform

An equipment platform may be supported on shallow piers bearing in the natural clay and designed for a net allowable soil pressure of 3,000 pounds per square foot. The piers should bear at a depth of at least 36 inches to minimize the effects of frost action. All existing topsoil or soft natural soil should be removed beneath footings.

4.3. Equipment Slab

A concrete slab supporting the equipment must be supported on at least 6-inch layer of relatively clean granular material such as gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. This is to help distribute concentrated loads and equalize moisture conditions beneath the slab. Provided that a minimum of 6 in. of granular material is placed below the slab, a modulus of subgrade reaction (k) of 120 lbs/cu.in. can be used for design of the slab. All existing topsoil or soft natural soil should be removed beneath crushed stone layer.

CORBIN SOUTH October 23, 2018

4.4. Equipment Building

If an equipment building support on a slab is chosen in place of the equipment platform, it may be supported on shallow spread footings bearing in the highly weathered shale and designed for a net allowable soil pressure of 3,000 pounds per square foot.

The footings should be at least ten inches wide. If the footings bear on soil, they should bear at a depth of at least 36 inches to minimize the effects of frost action. All existing topsoil or soft natural soil should be removed beneath footings.

Floor slabs must be supported on at least 4-inch layer of relatively clean granular material such as gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. This is to help distribute concentrated loads and equalize moisture conditions beneath the slab. Provided that a minimum of 4 in. of granular material is placed below the slab, a modulus of subgrade reaction (k) of 120 lbs/cu.in. can be used for design of the floor slabs.

4.5. Drainage and Groundwater Considerations

Good site drainage must be provided. Surface run-off water should be drained away from the tower and platform and not allowed to pond. It is recommended that all foundation concrete be placed the same day the excavation is made.

At the time of this investigation, groundwater was not encountered until 28 feet. Therefore, no special provisions regarding groundwater control are considered necessary for shallow foundations. Any seepage should be able to be pumped with sumps.

5. GENERAL CONSTRUCTION PROCEDURES AND RECOMMENDATIONS

It is possible that variations in subsurface conditions will be encountered during construction. Although only minor variations that can be readily evaluated and adjusted for during construction are anticipated, it is recommended the geotechnical engineer, or a qualified representative be retained to perform continuous inspection and review during construction of the soils-related phases of the work. This will permit correlation between the test boring data and the actual soil conditions encountered during construction.

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CORBIN SOUTH October 23, 2018

5.1 Drilled Piers

The following recommendations are recommended for drilled pier construction:

Clean the foundation bearing area so it is nearly level or suitably benched and is free of ponded water or loose material.

Make provisions for ground water removal from the drilled shaft excavation. Groundwater was encountered at 28 feet during the soil drilling and some significant seepage may be encountered if the piers extend that deep. The drilled pier contractor should have pumps on hand to remove

water from the drilled pier.

Specify concrete slumps ranging from 4 to 7 inches for the drilled shaft construction. These slumps are recommended to fill irregularities along the sides and bottom of the drilled hole, displace water as it is placed, and permit placement of reinforcing cages into the fluid concrete.

Retain the geotechnical engineer to observe foundation excavations after the bottom of the hole is leveled, cleaned of any mud or extraneous material, and dewatered.

is leveled, cleaned of any find of extraneous material, and dewatered

Install a temporary protective steel casing to prevent side wall collapse, prevent excessive mud

and water intrusion in the drilled shaft.

The protective steel casing may be extracted as the concrete is placed provided a sufficient head of concrete is maintained inside the steel casing to prevent soil or water intrusion into the newly

placed concrete.

Direct the concrete placement into the drilled hole through a centering chute to reduce side flow

or segregation.

5.2 Fill Compaction

All engineered fill placed adjacent to and above the tower foundation should be compacted to a dry density of at

least 95 percent of the standard Proctor maximum dry density (ASTM D-698). This minimum compaction

requirement should be increased to 98 percent for any fill placed below the tower foundation bearing elevation.

Any fill placed beneath the tower foundation should be limited to well-graded sand and gravel or crushed stone.

The compaction should be accomplished by placing the fill in about 8 inch (or less) loose lifts and mechanically

compacting each lift to at least the specified minimum dry density. Field density tests should be performed on each

lift as necessary to ensure that adequate moisture conditioning and compaction is being achieved.

Compaction by flooding is not considered acceptable. This method will generally not achieve the desired

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compaction and the large quantities of water will tend to soften the foundation soils.

CORBIN SOUTH October 23, 2018

5.3 Construction Dewatering

At the time of this investigation, groundwater was not encountered until about 28 feet. Therefore, no special provisions regarding groundwater control are considered necessary for shallow foundations. Any seepage should be able to be pumped with sumps.

If groundwater is encountered in the drilled pier excavations, it may be difficult to dewater since pumping directly from the excavations could cause a deterioration of the bottom of the excavation. If the pier excavations are not dewatered, concrete should be placed by the tremie method.

6 FIELD INVESTIGATION

Three soil test boring was drilled near the base of the proposed tower. Split-spoon samples were obtained by the Standard Penetration Test (SPT) procedure (ASTM D1586) in all test borings. The borings were terminated at the scheduled depths of 20 and 40 feet. The split-spoon samples were inspected and visually classified by a geotechnical engineer. Representative portions of the soil samples were sealed in glass jars and returned to our laboratory.

The boring log is included in the Appendix along with a sheet defining the terms and symbols used on the logs and an explanation of the Standard Penetration Test (SPT) procedure. The log present visual descriptions of the soil strata encountered, Unified System soil classifications, groundwater observations, sampling information, laboratory test results, and other pertinent field data and observations.

7 WARRANTY AND LIMITATIONS OF STUDY

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. This warranty is in lieu of all other warranties, either express or implied. POD Group is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

A geotechnical study is inherently limited since the engineering recommendations are developed from information obtained from test borings, which depict subsurface conditions only at the specific locations, times and depths shown on the log. Soil conditions at other locations may differ from those encountered in the test borings, and the passage of time may cause the soil conditions to change from those described in this report.

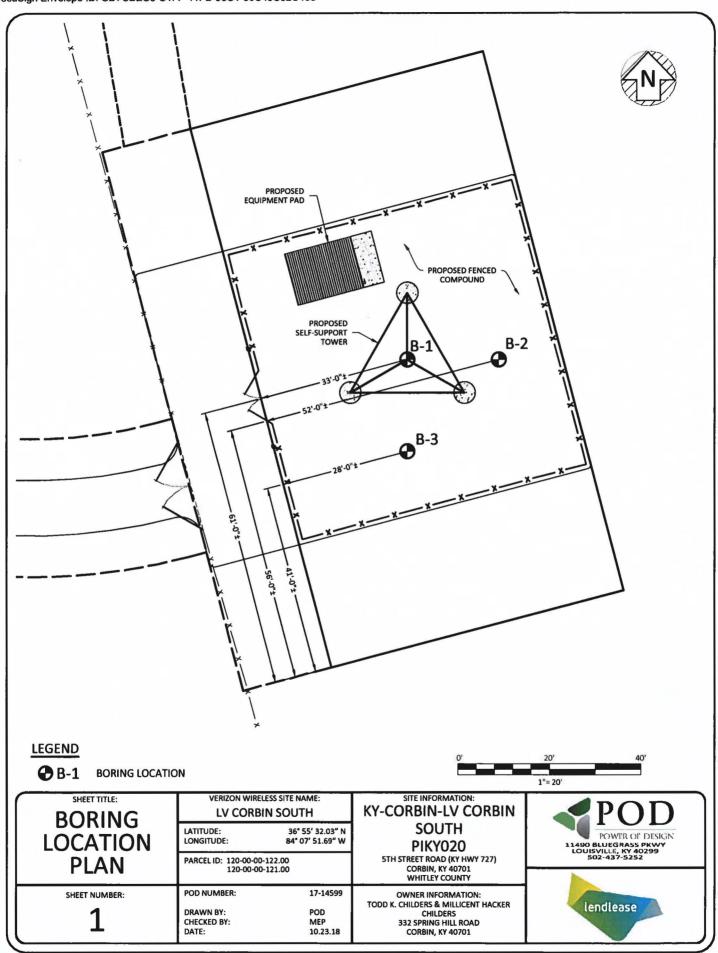
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CORBIN SOUTH October 23, 2018

The nature and extent of variation and change in the subsurface conditions at the site may not become evident until the course of construction. Construction monitoring by the geotechnical engineer or a representative is therefore considered necessary to verify the subsurface conditions and to check that the soils connected construction phases are properly completed. If significant variations or changes are in evidence, it may then be necessary to reevaluate the recommendations of this report. Furthermore, if the project characteristics are altered significantly from those discussed in this report, if the project information contained in this report is incorrect, or if additional information becomes available, a review must be made by this office to determine if any modification in the recommendations will be required.

APPENDIX

BORING LOCATION PLAN
BORING LOG
SOIL SAMPLE CLASSIFICATION





Boring Log

Boring: B-1

Page 1 of 1

Project: Corbin South

City, State

Corbin, KY

Method: H.S.A. Boring Date: 9-Oct-18 Location: Proposed Tower

Inside Diameter: 3 1/4" Drill Rig Type: 66 DT Hammer Type: Auto

Groundwater: Noted during drilling at 28' and 30' at completion Weather:

From (ft)	To (ft)	Material Description		Sample Depth (ft)	Sample Type		Blows per 6-inch		Recovery (in)	SPT-N value	Rock Quality (RQD,%)	Atterberg Limits	Moisture Content (%)	% Fines (clay & silt)	Unconfined
0.4	3.0	SILTY CLAY (CL-CH) - medium stiff, slightly moist, orange brown -light gray mottled		1-2.5	ss	1,	2,	7	12	9,					Ī.
3.0	12.0	SANDSTONE - highly weathered, orange		3.5 - 5	ss	16,	35,	43	15	78,					
		brown-light gray mottled with some clay		6 - 7.5	ss	32,	33,	50	15	83,					
				8.5 - 10	ss	17,	23,	50	13	73,					
12.0	40.0	SHALE - highly weathered, orange brown with some sandstone and clay		13.5-15	SS	11,	25,	47	17	72,					
				18.5-20	SS	12,	24,	25	18	49,					
				23.5-25	SS	22,	21,	22	18	43,			o:		
	28.5	- black with no sandstone		28.5-30	SS	22,	50,		12	50,				Er i	
	33.5	- moist due to groundwater		33.5-35	SS		50,		3	50,					
		Boring Terminated at 40 feet		38.5-40	SS		50,		2	50,					
			li de ci												



Boring Log

Boring: B-2

Page 1 of 1

Project: Corbin South

City, State Corbin, KY

Method: H.S.A. Boring Date: 10-Oct-18 Location: Proposed Tower

Inside Diameter: 3 1/4" Drill Rig Type: 66 DT Hammer Type: Auto

Groundwater: DRY Weather:

r: Common		Note: Al	out	3 inch	es of	tops	oil wa		counter		the gro	und sur	face		
From To	Material Description			Sample Depth (ft)	Sample Type		Blows per 6-inch increment		Recovery (in)	SPT-N value	Rock Quality (RQD,%)	Atterberg Limits	Moisture Content (%)	% Fines (clay & silt)	Unconfined
0.3 4.5	Material Description SILTY CLAY (CL-CH) - medium stiff, slightly moist, orange brown -light gray mottled			1-2.5	SS	2,	3,	5	13	8,					3
4.5 12.0	SANDSTONE - highly weathered, orange brown-light gray mottled with trace clay		3.5 - 5	SS	3,	10,	24	14	34,					۱,	
	Stownight gray institute with trace city			6 - 7.5 8.5 - 10	SS	19, 12,	20, 17,	35 24	16 15	55, 41,					
12.0 20.0	SHALE - highly weathered clayshale, orange brown-light gray		13.5-15	SS	7,	12,	16	18	28,						
				13.3-13	33	,,	12,	10		20,	F		j.		
	Boring Terminated at 20 feet	it .		18.5-20	SS	8,	14,	12	18	26,					



Boring Log

Boring: B-3

Page 1 of 1

Project: Corbin South

City, State Corbin, KY

Method: H.S.A. Boring Date: 10-Oct-18 Location: Proposed Tower

Inside Diameter: 3 1/4" Drill Rig Type: 66 DT Hammer Type: Auto

Groundwater: DRY Weather:

Driller: Commonwealth Drilling Note: About 2 inches of topsoil was encountered at the ground surface

From To Material Description	Moisture Content (%) % Fines (clay & sitt) Unconfined
1-2.5 SS 2, 14, 30 12 44,	
0.2 2.0 CLAYSHALE - hard, orange brown with trace sandstone fragments 1-2.5 SS 2, 14, 30 12 44, 30 2.0 12.0 SANDSTONE - highly weathered, orange brown-light gray mottled 3.5 - 5 SS 39, 50, 9 9 50, 50 6 - 7.5 SS 30, 32, 27 16 59, 50 8.5 - 10 SS 32, 36, 50 14 86, 50	
2.0 12.0 brown-light gray mottled 55 39, 50, 9 50, 6 - 7.5 SS 30, 32, 27 16 59, 8.5 - 10 SS 32, 36, 50 14 86, 12.0 20.0 SHALE - highly weathered clayshale, orange	
8.5 - 10 SS 32, 36, 50 14 86, 12.0 20.0 SHALE - highly weathered clayshale, orange	
12.0 20.0 SHALE - highly weathered clayshale, orange	
hroup light grou	
18.5-20 SS 12, 18, 23 18 41, Boring Terminated at 20 feet	

į.	FIN	IE AND COA	RSE GRAINED	SOIL INFOR	MATION	
	RAINED SOILS & GRAVELS)		NE GRAINED SO (SILTS & CLAYS		PARTIC	LE SIZE
200		_		Qu, KSF		
<u>N</u>	Relative Density	<u>N</u>	Consistency	<u>Estimated</u>	Boulders	Greater than 300 mm (12 in)
0-4	Very Loose	0-1	Very Soft	0-0.5	Cobbles	75 mm to 300 mm (3 to 12 in)
5-10	Loose	2-4	Soft	0.5-1	Gravel	4.74 mm to 75 mm (3/16 to 3 in)
11-20	Firm	5-8	Firm	1-2	Coarse Sand	2 mm to 4.75 mm
21-30	Very Firm	9-15	Stiff	2-4	Medium Sand	0.425 mm to 2 mm
31-50	Dense	16-30	Very Stiff	4-8	Fine Sand	0.075 mm to 0.425 mm
Over 50	Very Dense	Over 31	Hard	8+	Silts & Clays	Less than 0.075 mm

The **STANDARD PENETRATION TEST** as defined by ASTM D 1586 is a method to obtain a disturbed soil sample for examination and testing and to obtain relative density and consistency information. A standard 1.4-inch I.D./2-inch O.D. split-barrel sampler is driven three 6-inch increments with a 140 lb. hammer falling 30 inches. The hammer can either be of a trip, free-fall design, or actuated by a rope and cathead. The blow counts required to drive the sampler the final two increments are added together and designate the N-value defined in the above tables.

ROCK PROPERTIES

ROCK QUA	ALITY DESIGNATION (RQD)		ROCK HARDNESS
Percent RQD	Quality	Very Hard:	Rock can be broken by heavy hammer blows.
0-25	Very Poor	Hard:	Rock cannot be broken by thumb pressure, but can be broken by moderate hammer blows.
25-50	Poor	Moderately	Small pieces can be broken off along sharp edges by considerable
50-75	Fair	Fair Hard: hard thumb pressure; can be broke	hard thumb pressure; can be broken with light hammer blows.
75-90	Good	Soft:	Rock is coherent but breaks very easily with thumb pressure at sharp edges and crumbles with firm hand pressure.
90-100	Excellent	Very Soft:	Rock disintegrates or easily compresses when touched; can be hard to very hard soil.
		1	

Recovery =	Length of Rock Core Recovered Length of Core Run	X100	63 REC NQ	Core Diameter BQ NQ	Inches 1-7/16 1-7/8
RQD =	Sum of 4 in. and longer Rock Pieces Recovered Length of Core Run	X100	43 RQD	HQ	2-1/2

SYMBOLS

KEY TO MATERIAL TYPES

	SOILS
Group Symbols	Typical Names
gw	Well graded gravel - sand mixture, little or no fines
GP	Poorly graded gravels or gravel - sand mixture, little or no fines
GM	Silty gravels, gravel - sand silt mixtures
GC	Clayey gravels, gravel - sand - clay mixtures
sw	Well graded sands, gravelly sands, little or no fines
SP	Poorly graded sands or gravelly sands, little or no fines
SM	Silty sands, sand - silt mixtures
sc	Clayey sands, sand - clay mixtures
ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts
OL	Organic silts and organic silty clays of low plasticity
CL	Inorganic clays of low range plasticity, gravelly clays, sandy clays, silty clays, lean clays
мн	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
СН	Inorganic clays of high range plasticity, fat clays

	ROCKS
Symbols	Typical Names
	Limestone or Dolomite
	Shale
	Sandstone

	N:	Stand	dard Penetration, BPF	
	M:	Moist	ture Content, %	
	LL:	Liquid	d Limit, %	
	PI:	Plast	icity Index, %	
	Qp:	Pock	et Penetrometer Value, TSF	
	Qu:		infined Compressive Strength nated Qu, TSF	
300	γ _D :	Dry U	Init Weight, PCF	
	F:	Fines	Content	
		S	AMPLING SYMBOLS	
		SS	Split Spoon Sample	
		9	Relatively Undisturbed Sample	
		Core 1	Rock Core Sample	

SOIL PROPERTY SYMBOLS

Date: October 23, 2018 POD Job Number: 17-14600

SOIL RESISTIVITY REPORT

CORBIN SOUTH (PIKY020)

(VZW – LV CORBIN SOUTH) 36° 55′ 32.03″ N 84° 07′ 51.69″ W

> 5th Street Rd aka KY Hwy 727 Corbin, KY 40701

> > **Prepared For:**



For:



Prepared By:





October 23, 2018

Ms. Alejandra Stinson Lendlease (US) Telecom Holdings, LLC C/O PI Tower Development, LLC 909 Lake Carolyn Parkway, Suite 260 Irving, TX 75039

RE: CORBIN SOUTH (PIKY020) - Soil Resistivity Report

Dear Ms. Stinson,

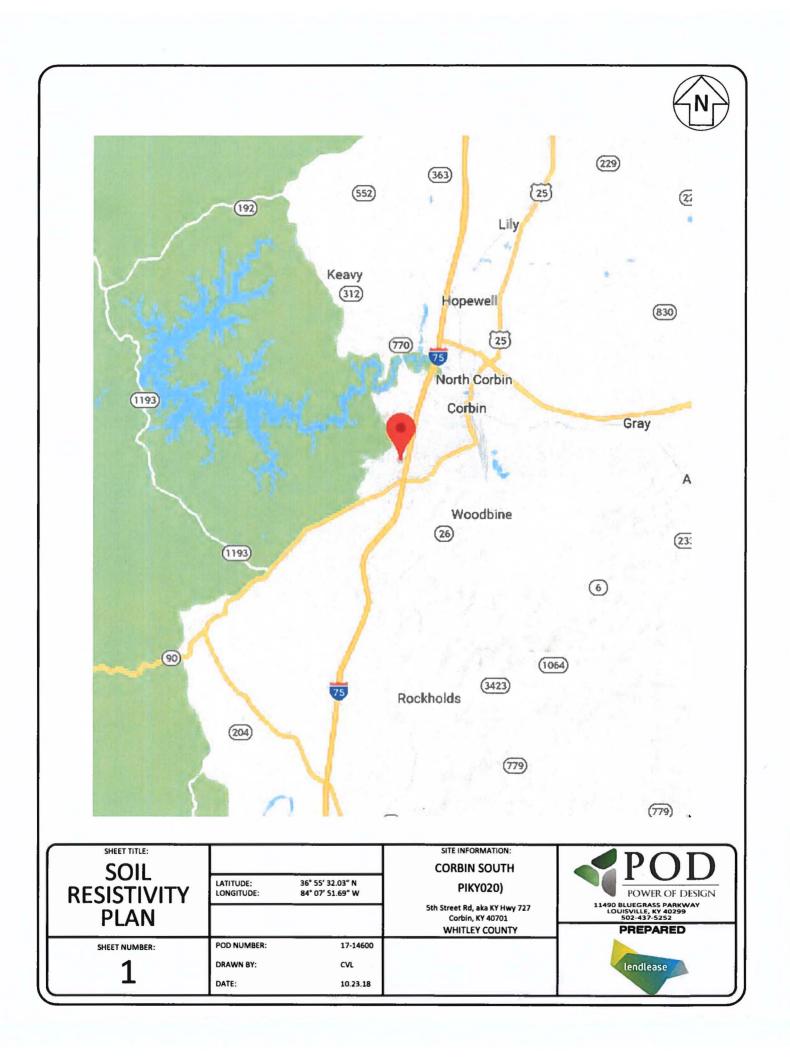
To aid in the design of the grounding equipment for the above-mentioned site, soil resistivity tests were performed. The Wenner Vertical Profiling Method was used by centering the potential electrodes on a traverse line between the current electrodes and maintaining an equal "A" spacing between electrodes. The depth of interests or "A" spacing of 2.5 feet, 5 feet, 10 feet, 12.5 feet, 20 feet and 50 feet were determined as requested by Verizon Wireless. The resistivity measurements were taken in perpendicular lines centered over the same location near the proposed tower site.

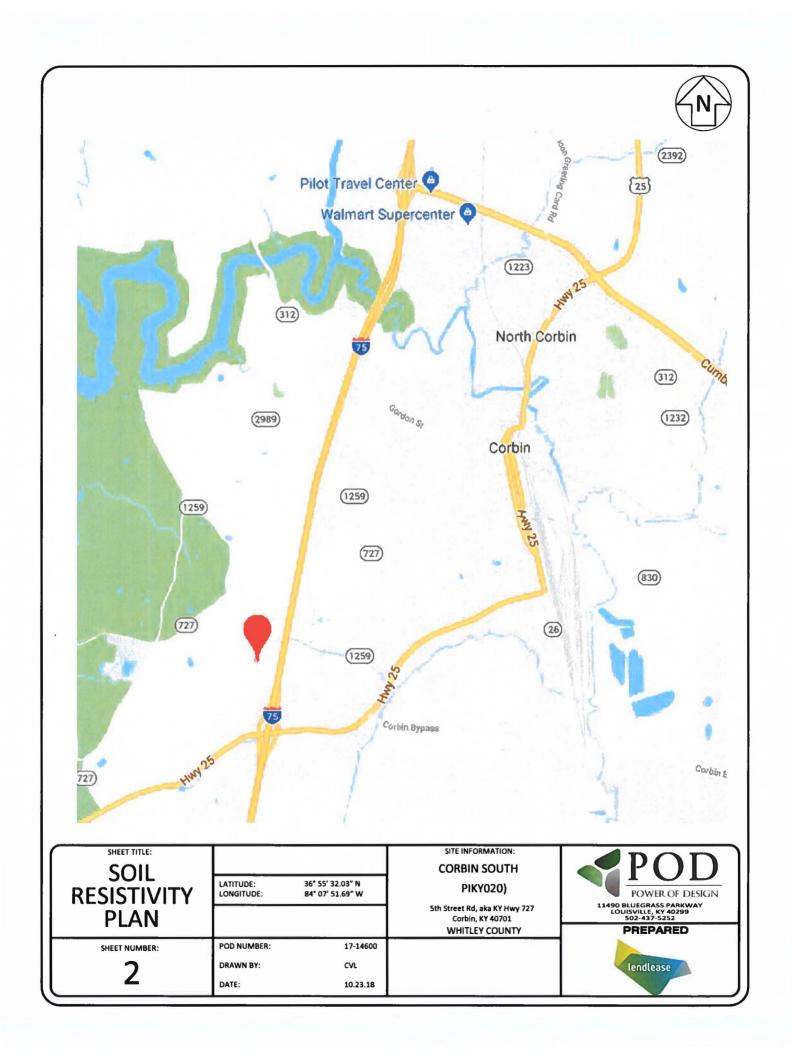
If you have any questions regarding this report, please contact our office.

Sincerely,

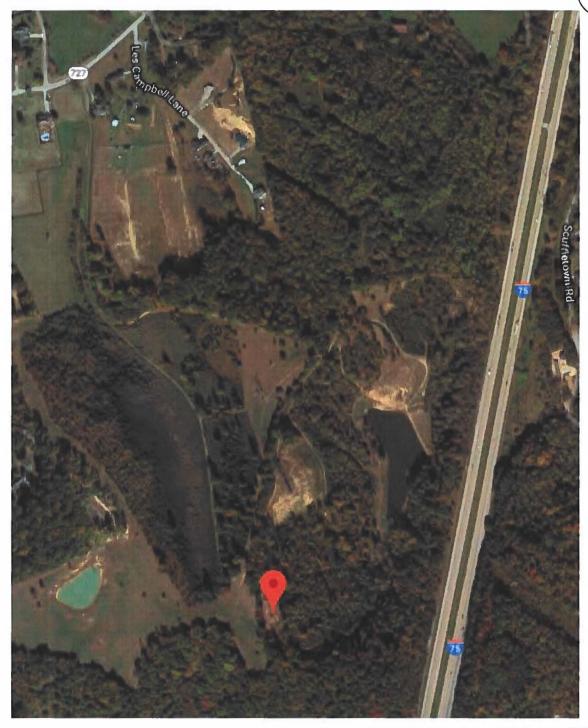
Casey Lawson
Project Manager

Power of Design Group, LLC









SHEET TITLE:
SOIL
RESISTIVITY
PLAN

LATITUDE: 36° 55′ 32.03″ N LONGITUDE: 84° 07′ 51.69″ W SITE INFORMATION:
CORBIN SOUTH
PIKY020)

5th Street Rd, aka KY Hwy 727 Corbin, KY 40701 WHITLEY COUNTY



11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 502-437-5252

PREPARED



SHEET NUMBER:

3

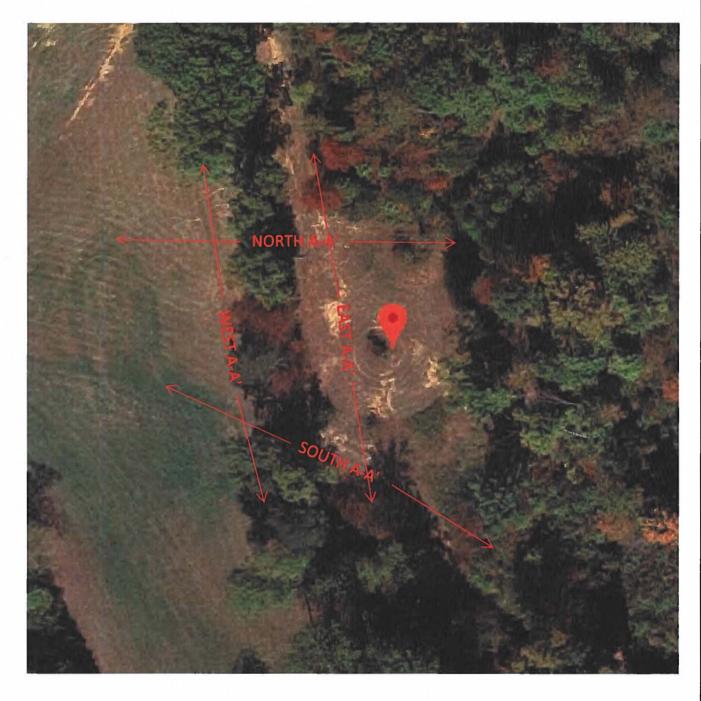
POD NUMBER: DRAWN BY:

CVL

17-14600

DATE: 10.23.18





SOIL RESISTIVITY PLAN	LATITUDE: LONGITUDE:	36* 55′ 32.03" N 84* 07′ 51.69" W	SITE INFORMATION: CORBIN SOUTH PIKY020) 5th Street Rd, aka KY Hwy 727 Corbin, KY 40701 WHITLEY COUNTY	POD POWER OF DESIGN 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 502-437-5252 PREPARED
SHEET NUMBER:	POD NUMBER:	17-14600		
1	DRAWN BY:	CVL		lendlease
	DATE:	10.23.18		





SHEET TITLE: SOIL RESISTIVITY PLAN	LATITUDE: LONGITUDE:	36" 55' 32.03" N 84" 07' 51.69" W	SITE INFORMATION: CORBIN SOUTH PIKY020) 5th Street Rd, aka KY Hwy 727 Corbin, KY 40701 WHITLEY COUNTY	POD POWER OF DESIGN 11490 BLUEGRASS PARKWAY LOUISVILLE, KY 40299 502-437-5252 PREPARED
SHEET NUMBER:	POD NUMBER: DRAWN BY: DATE:	17-14600 CVL 10.23.18		lendlease



At-Grade Measurements (equal rod spacing)

				12/2	North A -A'		Harris III	STATE OF THE PARTY
	Depth of Interest (feet)	2.5	5	10	12.5	15	20	50
Field Measured	Dial Reading (Ohm)	128.4	88.6	42.7	32.6	24.2	19.58	4.24
rieio ivieasureu	Range Switch	1	1	1	1	1	1	1
	Calculated Resistivity (ohms-cm)	61444.022	84796.579	81733.949	78001.368	69483.427	74957.879	40579.853
		No see the			East A -A'			
	Depth of Interest (feet)	2.5	5	10	12.5	15	20	50
Field Measured	Dial Reading (Ohm)	122.7	102.8	44.3	36.4	26.7	17.6	4.13
rielo Measureo	Range Switch	1	1	1	1	1	1	1
	Calculated Resistivity (ohms-cm)	58716.367	98387.002	84796.579	87093.552	76661.467	67377.869	39527.074
					South A -A'		V.F. Reine	
	Depth of Interest (feet)	2.5	5	10	12.5	15	20	50
Field Measured	Dial Reading (Ohm)	93.6	79.7	42.2	29.2	22.6	14.8	2.88
rieio ivieasureo	Range Switch	1	1	1	1	1	1	1
	Calculated Resistivity (ohms-cm)	44790.97	76278.638	80776.877	69866.256	64889.482	56658.662	27563.674
		West A - A'						
	Depth of Interest (feet)	2.5	5	10	12.5	15	20	50
Ciald Bassaco	Dial Reading (Ohm)	143.6	123.5	47.5	36.9	29.6	19.8	4.07
Field Measured	Range Switch	1	1	1	1	1	1	1
	Calculated Resistivity (ohms-cm)	68717.77	118198.39	90921.84	88289.892	84987.994	75800.102	38952.83

		Average						上記述作作問
	Depth of Interest (feet)	2.5	5	10	12.5	15	20	50
Field Measured	Dial Reading (Ohm)	122.075	98.65	44.175	33.775	25.775	17.945	3.83
	Range Switch	1	1	1	1	1	1	1
	Calculated Resistivity (ohms-cm)	58417.282	94415.153	84557.311	80812.767	74005.592	68698.628	36655.858

Resisitivity (ohm-cm) = 2 * p * a * R * 30.48 R = resisitivity (dial reading * range switch) a = electrode spacing

Equipment Usage:	Biddle Megger DET2/2	
Additional Notes:		

EXHIBIT

H

DIRECTIONS TO CELL TOWER SITE

Directions prepared by:

Jacob C. Walbourn McBrayer, McGinnis, Leslie & Kirkland, PLLC 201 East Main Street, Suite 900 Lexington, Kentucky 40507 (859) 231-8780

From the Whitley Courthouse (200 Main Street, Williamsburg, Kentucky 40769):

- 1. Travel southwest on Main Street approximately 128 feet.
- 2. Turn left (southeast) on South 3rd Street and travel for 282 feet.
- 3. Turn left onto Cumberland Avenue/KY-236 and travel for 0.2 miles.
- 4. Turn left onto Cumberland Falls Highway/US-25W and travel for 1.8 miles.
- 5. Turn left to stay on Cumberland Falls Highway/US-25W and continue for 2.0 miles.
- 6. Turn right on the on-ramp for Interstate-75 North.
- 7. Travel north on Interstate-75 for 8.7 miles.
- 8. Take exit 25 for US-25W/Corbin.
- 9. Turn right on Cumberland Falls Highway/US-25W and travel for 1.1 miles.
- 10. Turn left onto Scuffletown Road/KY-1259 and travel 1.3 miles.
- 11. Turn left onto West Fifth Street Road/KY-727 and travel 0.6 miles.
- 12. Access to the site will be from Fifth Street Road. The entrance will be located between Les Campbell Lane and Monhollen Cemetery Drive. The tower site is approximately 2,500' to the south of Fifth Street Road.

EXHIBIT

I

Upon recording return to:

PI Tower Development LLC 2320 Cascade Pointe Boulevard, Suite 300 Charlotte, North Carolina 28208 Attention: Corporate Contracts Manager

Site Name: KY-Corbin-LV Corbin South

Site Number: PIKY020

MEMORANDUM OF GROUND LEASE AGREEMENT

This Memorandum of Ground Lease Agreement is made on Decouver 1, 2018, by and between SPRING HILL SIGNS, LLC, as Lessor, whose mailing address is 101 S. Main Street, Corbin, Kentucky 40701 and PI TOWER DEVELOPMENT LLC, a Delaware limited liability company, as Lessee, whose address is 2320 Cascade Pointe Boulevard, Suite 300, Charlotte, North Carolina 28208.

1. Lessor and Lessee are parties to a Ground Lease Agreement dated as of Lecewood 1, 2018 (the "Lease"), the terms and provisions of which are incorporated herein by this reference. The premises covered by the Lease are located in Whitley County, KY, as more fully described in the legal description attached hereto as Exhibit "A" ("Leased Premises").

- 2. Pursuant to the Lease, the Lessor has granted, and by these presents does grant, to the Lessee easements for ingress, egress, utilities, "Fall Zone" (if applicable), and any other easements required by Lessee or governmental authorities for the duration of the Lease Agreement a more particularly described on **Exhibit "A"** hereto. The easement rights herein granted include the right and authority of Lessee to grant or assign to third parties all or some of the easement rights granted to Lessee herein.
- The Lease provides for an initial term of five (5) years (the "Initial Term") which commenced on the Lease also provides for five (5) additional five (5) year renewal terms (each, a "Renewal Term"). The Lease shall automatically renew for each such Renewal Term unless Lessee delivers written notice of intent not to renew to Lessor at least thirty (30) days prior to the expiration of the Initial Term, or the Renewal Term then in effect.
- 4. The Lease restricts Lessor's rights under certain conditions to lease any of Lessor's property within a radius of five (5) miles from the Leased Premises for the construction of a tower or for use as a communications facility or the operation of an antenna site leasing business which competes directly or indirectly with Lessee.
- 5. The Lease provides that during the term of the Lease, in the event that the Lessor receives and desires to accept a bona fide offer to sell and convey the Leased Premises to a third party not related to the Lessor by at least 51% common ownership, then the Lessor shall first provide the Lessee with a written offer to sell and convey the Leased Premises to Lessee upon the same terms and conditions as the offer made by the third party, and Lessee shall have twenty (20) business days in which to accept the offer.
- 6. Lessor shall have the right to assign or otherwise transfer this Lease and the Easement(s) granted herein, upon written notice to Lessee, but only in connection with the simultaneous sale or transfer of Lessor's entire right, title and interest in the Leased Premises. Any assignment or transfer of this Lease which is separate and distinct from a transfer of Lessor's entire right, title and interest in the Leased Premises shall require the prior written consent of Lessee which shall not be unreasonably withheld, delayed and/or conditioned.
- 7. All of the terms and conditions of the Lease are incorporated herein by reference. In the event of a conflict between the terms hereof and the terms of the Lease, the terms of the Lease shall govern.

IN WITNESS WHEREOF, the parties hereto have executed this Memorandum of Lease as of the

date first written above.

LESSOR: SPRING HILL SIGNS, LLC WITNESS: Print Name: Todd K. Childers Title: Member **Print Name** STATE OF KENTUCKY **COUNTY OF WHITLEY** a Notary Public of the County and State aforesaid, personally came before me this day and acknowledged that he is personally known to me or produced executed instrument. He as identification. WITNESS my hand and notarial seal, this // day of December, 2018. **Notary Public:** (affix notary stamp/seal) Print Name: 527926 My Commission Expires:

WITNESS:				
Crisy Pront	Print Name: Millicer Title: Member	Childens		
Chiscy Poark	The manage			
Print Name				
STATE OF KENTUCKY				
COUNTY OF WHITLEY				
	nally came before me he is personally			
WITNESS my hand and notarial seal, t	his/// day of 2	cember.	2018.	
Notary Public Rars				
Print Name: (L) A. C. ROAM My Commission Expires: 2-9-19		ix notary stamp. V 792L	/seal)	
The state of the s	- 30	ritalle		

LESSEE:

	PI TOWER DEVELOPMENT LLC,
Witness:	a Delaware limited liability company
Mentrulli	Mary Land
Print Name: Nancy Venturelli	Print Name: Mitch Henry
Myn an	Title:
Print Mame: Megan Evans	
STATE OF NORTH CAROLINA	
COUNTY OF MECKLENBERG	
personally known to me or produced Personal	
WITNESS my hand and notarial seal, th	is 19th day of December, 2018.
Notary Public: Many Bl	_
Print Name: Zackan Blum	{affix notary stamp/seal}
My Commission Expires: 4-5-21	- CHARY BU
	NOTARY PUBLIC UNION COUNTY MY COMM. EXP.
	04-05-2021

EXHIBIT "A"

LEASED PREMISES AND EASEMENTS

LEASED PREMISES

THE FOLLOWING IS A DESCRIPTION OF THE LEASED PREMISES TO BE LEASED FROM THE PROPERTY CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 544, PAGE 800 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, BEING A PART OF PARCEL ID: 120-00-00-122.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT AN EXISTING 6" WOOD FENCE CORNER POST, SAID POST BEING ON A COMMON BOUNDARY UNE OF THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS SS7*49'12"E 1064.00' FROM A FOUND 1/2" REBAR CAPPED "RIS 2130" AT THE SOUTHWEST BOUNDARY CORNER OF THE PARCEL CONVEYED TO W.L. AND WANDA CAMPBELL AS RECORDED IN DEED BOOK 488, PAGE 208, FURTHER DESCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 452, PAGE 203, THENCE ALONG THE COMMON BOUNDARY LINE OF THE AFOREMENTIONED CHILDERS PARCELS, SOB*10'22" W 207.81" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOB*30'04"W 372.55" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOB*30'04"W 372.55" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOB*30'04"W 372.55" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOB*30'04"W 372.55" TO A FOUND 1/2" REBAR CAPPED "RIS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, THENCE CONTINUING ALONG THE AFOREMENTIONED COMMON LINE OF CHILDERS, SOB*0'09'13"W 174.60" TO AN EXISTING 32" TREE, SAID 32" TREE IS N14'42'04"W 333.27" FROM AN EXISTING 38" TREE, CORNER TO THE SAME, THENCE CONTINUING WITH SAID COMMON LINE, S14'42'04"E 188.84"; THENCE LEAVING SAID COMMON LINE, S14'42'04"E 188.84"; THENCE LEAVING SAID COMMON LINE, S14'42'04"E 188.84"; THENCE MISSISTING SAID COMMON LINE, S14'4

20' WIDE ACCESS & UTILITY EASEMENT "A"

THE FOLLOWING IS A DESCRIPTION OF THE 20' WIDE ACCESS & UTILITY EASEMENT "A" TO BE GRANTED FROM THE PROPERTY CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-00-122.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

30' WIDE ACCESS & UTILITY EASEMENT "B"

THE FOLLOWING IS A DESCRIPTION OF THE 30' WIDE ACCESS & UTILITY EASEMENT "B" TO BE GRANTED FROM THE PROPERTY CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-00-121.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8,

GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT AN EXISTING 6" WOOD FENCE CORNER POST, SAID POST BEING ON A COMMON BOUNDARY LINE OF THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 465, PAGE 260, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS \$57'49'12"E 1064,00' FROM A FOUND 1/2" REBAR CAPPED "RLS 2130" AT THE SOUTHWEST BOUNDARY CORNER OF THE PARCEL CONVEYED TO W.L. AND WANDA CAMPBELL AS RECORDED IN DEED BOOK 486, PAGE 208, PAGE 108, PTHENE POSCRIBED IN THAT CERTAIN AGREEMENT BETWEEN CAMPBELL AND STEPHENS AS RECORDED IN DEED BOOK 485, PAGE 208, THENCE ALONG THE COMMON BOUNDARY LINE OF THE AFOREMENTIONED CHILDERS PARCELS, SOSS'10'22"W 207. 81' TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS'30'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS'30'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS'30'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS'30'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS SOO'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOS SOO'04" W 372.55 TO A FOUND 1/2" REBAR CAPPED "RLS 3358" THE SOO'N THE SOOTH OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, SOON THE SOON THE

CENTERLINE 15' WIDE UTILITY EASEMENT "A"

THE FOLLOWING IS A CENTERLINE DESCRIPTION OF THE 1S' WIDE UTILITY EASEMENT "A" TO BE GRANTED FROM THE PROPERTY CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-00-122.00, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

COMMENCING AT A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 680, SAID POINT BEING A COMMON CORNER TO THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS SOB"30"04"W 372.56" A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC; THENCE ALONG THE SOUTH LINE OF SPRING HILL SIGNS, LLC, N73"57"30"E 25.22" TO THE CENTERLINE OF THE 15" UTILITY EASEMENT "A", 7.5" LYING ON BOTH SIDES OF THE HEREAFTER DESCRIBED CENTERLINE, AND BEING THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID SOUTH LINE AND TRAVERSING THE LAND OF CHILDERS, PARCEL ID: 120-00-00-122.00, 509"27"02"W 33.42"; THENCE SOB"17"41"W 71.99"; THENCE WITH THE CHORD OF A CURVE TO THE LEFT HAVING A RODUS OF 400.00", 500"42"E" 125.22"; THENCE SOB"46"26"E 130.93" TO THE NORTH LINE OF THE 20" ACCESS AND UTILITY EASEMENT "A" AND BEING THE TERMINUS OF THE 15" UTILITY EASEMENT "A" CONTAINING 0.125 ACRES, 5,437.132 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED NOVEMBER 8, 2017.

CENTERLINE 15' WIDE UTILITY EASEMENT "B"

THE FOLLOWING IS A CENTERLINE DESCRIPTION OF THE 15' WIDE UTILITY EASEMENT "B" TO BE GRANTED FROM THE PROPERTY CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 680 IN THE OFFICE OF THE CLERK OF WHITLEY COUNTY, KENTUCKY, PARCEL ID: 120-00-00-059.00D1, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEARING DATUM USED HEREIN IS BASED UPON KENTUCKY STATE PLANE COORDINATE SYSTEM, SINGLE ZONE, NAD 83, FROM A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM OBSERVATION USING THE KENTUCKY TRANSPORTATION CABINET REAL TIME GPS NETWORK COMPLETED ON NOVEMBER 8, 2017.

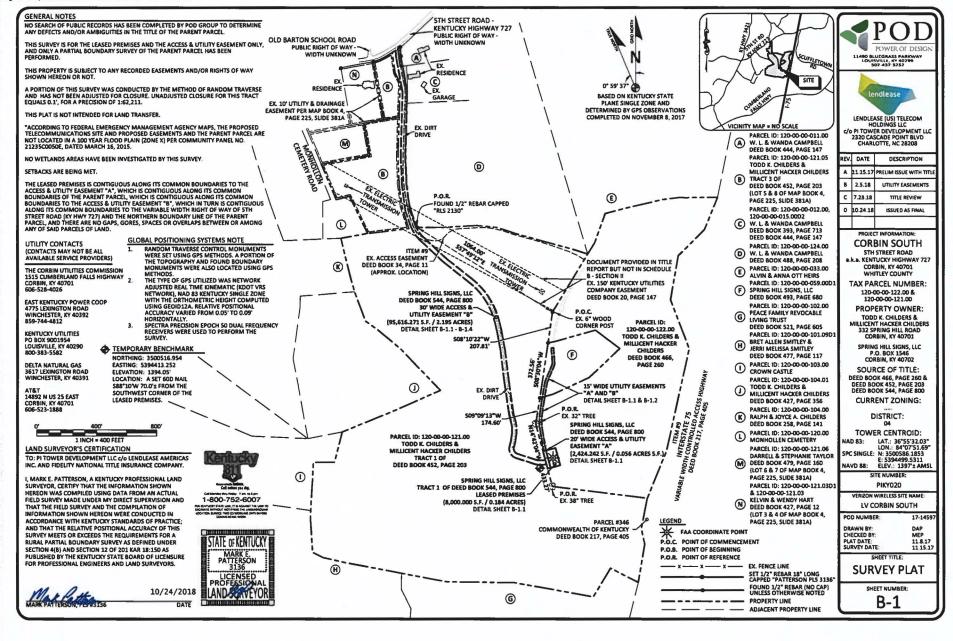
COMMENCING AT A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE SOUTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC AS RECORDED IN DEED BOOK 493, PAGE 680, SAID POINT BEING A COMMON CORNER TO THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 452, PAGE 203, PARCEL ID: 120-00-00-121.00 AND THE PARCEL CONVEYED TO TODD K. CHILDERS & MILLICENT HACKER CHILDERS AS RECORDED IN DEED BOOK 466, PAGE 260, PARCEL ID: 120-00-00-122.00, FOR REFERENCE, SAID COMMENCEMENT POINT IS 508*30'04"W 372.56' A FOUND 1/2" REBAR CAPPED "RLS 3358" AT THE NORTHWEST CORNER OF THE PARCEL CONVEYED TO SPRING HILL SIGNS, LLC, THENCE ALONG THE SOUTH LINE OF SPRING HILL SIGNS, LLC, N73°57'30"E 25.22' TO THE CENTERLINE OF THE 15' UTILITY EASEMENT "B", 7.5' LYING ON BOTH SIDES OF THE HEREAFTER DESCRIBED CENTERLINE, AND BEING THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID SOUTH LINE AND TRAVERSING THE LAND OF SPRING HILL SIGNS, LLC, PARCEL ID: 120-00-00-059.0001, N09°27'02"E 101.10'; THENCE N22'53'55"E 115.91'; THENCE NOTH THE CHORD OF A CLURVE TO THE LEFT HAVING A RADIUS OF 57.50', N09°22'52'55"E 26.88'; THENCE N04'08'05"W 94.53' TO THE TERMINUS OF THE 15' UTILITY EASEMENT "B" CONTAINING 0.117 ACRES, 5,080.094 SQUARE FEET AS PER SURVEY BY MARK E. PATTERSON, PLS #3136 DATED NOVEMBER 8, 2017.

EXHIBIT

J

CORBIN SOUTH - Abutters List

Name	Name 2	Address	City	State	Zip
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
Spring Hill Signs LLC		PO Box 1546	Corbin	KY	40702
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
David Pennington		539 Scuffletown Road	Corbin	KY	40701
Baptist Healthcare System Inc.	d/b/a B R M C	1 Trillium Way	Corbin	KY	40701
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
JBS Land Holdings LLC		1450 S Main St	London	KY	40741
Peace Family Revoc Living Trust		7911 Cumberland Falls Hwy	Corbin	KY	40701
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
Crown Castle	PMB 353	4017 Washington Road	McMurray	PA	15317
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
Ralph and Joyce Childers		129 Spring Hill Drive	Corbin	KY	40701
Monhollen Cemetery		Ike Monhollen Road	Corbin	KY	40701
Todd K. and Millicent Childers		332 Spring Hill Drive	Corbin	KY	40701
Darrell and Stephanie Taylor		45 Monhollen Cemetery Road	Corbin	KY	40701
Kelvin and Wendy Hart		PO Box 1032	Corbin	KY	40702
Donna Davis		2709 5th Street	Corbin	KY	40701
Harold and Susan Davis		701 20th Street	Corbin	KY	40701
W.L. Campbell		2950 5th Street	Corbin	KY	40701
W.L. Campbell		2950 5th Street	Corbin	KY	40701
Alvin and Anna Ott Heirs		2280 5th Street	Corbin	KY	40701



EXHIBIT

K

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

Todd K. and Millicent Childers 332 Spring Hill Drive Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

There is a crucial need to upgrade wireless cell services for existing covered customers in this area, and to expand capacity to serve future customers. Additionally, this facility is crucial to providing wireless communications ability, including the ability to contact emergency services, for users living in or travelling in this area. Our client's representatives have attempted to select a site that addresses the service deficit while minimizing the impact on adjacent properties.

Your comments regarding the proposed application are invited by the Public Service Commission, as well as the Applicant. You may submit comments or request intervention in the PSC's consideration of the application. You may contact the PSC by contacting Executive Director, Public Service Commission, PO Box 615, Frankfort, Kentucky 40602. Please refer to the Docket No. 2019-00012 in any correspondence. You may contact the undersigned if we can assist in any way.

Sincerely,

McBrayer, McGippis, Leslie & Kirkland, PLLC

acob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure



201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail Spring Hill Signs LLC PO Box 1546 Corbin, KY 40702

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Your comments regarding the proposed application are invited by the Public Service Commission, as well as the Applicant. You may submit comments or request intervention in the PSC's consideration of the application. You may contact the PSC by contacting Executive Director, Public Service Commission, PO Box 615, Frankfort, Kentucky 40602. Please refer to the Docket No. 2019-00012 in any correspondence. You may contact the undersigned if we can assist in any way.

Sincerely,

McBrayer, McGignis, Leslie & Kirkland, PLLC

acob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

MCBRAYER

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
David Pennington
539 Scuffletown Road
Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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Sincerely,

McBrayer, McGinzis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

4832-2945-0117, v. 1

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MCBRAYER

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

Baptist Healthcare System Inc. d/b/a B R M C 1 Trillium Way Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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McBrayer, McGinnis_Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
JBS Land Holdings LLC
1450 S Main St
London, KY 40741

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

Peace Family Revoc Living Trust 7911 Cumberland Falls Hwy Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Sincerely,

McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail Crown Castle PMB 353

4017 Washington Road McMurray, PA 15317

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Sincerely,

McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure



201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
Ralph and Joyce Childers
129 Spring Hill Drive
Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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Sincerely,

McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
Monhollen Cemetery
Ike Monhollen Road

Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Sincerely,

McBrayer, McGinnis Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

Darrell and Stephanie Taylor 45 Monhollen Cemetery Road Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail Kelvin and Wendy Hart PO Box 1032 Corbin, KY 40702

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Sincerely,

McBrayer, McGinnis-Leslie & Kirkland, PLLC

Jacob C. Walbourn W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

Donna Davis 2709 5th Street Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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Sincerely,

McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
Harold and Susan Davis
701 20th Street
Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, Corbin, Whitley County, Kentucky. The proposed Facility will, on its installation, allow for co-location of multiple carriers, which will eliminate the need for additional facilities in the area. A map showing the location of the proposed new facility is enclosed. This notice is forwarded to you because you own property within five-hundred feet (500') of the proposed facility, or property contiguous to it.

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Sincerely,

McBrayer, McGinnis Daslie & Kirkland, PLLC

Jacob C. Walbourn W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

4832-2945-0117, v. 1

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201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail

W.L. Campbell 2950 5th Street Corbin, KY 40701

> Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 1102

January 18, 2019

Via Certified Mail
Alvin and Anna Ott Heirs
2280 5th Street

Corbin, KY 40701

Re: Notice of PI Tower Development, LLC ("Applicant") to Adjacent Landowners of its Application before the Kentucky Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Property Owner:

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McBrayer, McGinnis, Leslie & Kirkland, PLLC

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure

EXHIBIT

L

201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 102

January 18, 2019

Via Certified Mail

Judge-Executive Pat White, Jr. PO Box 237 Williamsburg, Kentucky 40769

Re: Notice of PI Tower Development, LLC ("Applicant") to Judge-Executive of its Application before the Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin, Whitley County, Kentucky

Dear Judge White:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road, near Interstate 75. The proposed Facility will, on its installation, allow for co-location of multiple carriers. A map showing the location of the proposed new facility is enclosed.

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Please do not hesitate to contact me if I can provide any additional assistance with this matter.

Sincerely,

Jacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure 4829-1238-6949, v. 1



201 EAST MAIN STREET, SUITE 900 LEXINGTON, KY 40507 859.231.8780 EXT. 102

January 18, 2019

Via Certified Mail

Whitley County Fiscal Court PO Box 237 Williamsburg, KY 40769

Re: Notice of PI Tower Devleopment, LLC ("Applicant") to Fiscal Court of its Application before the Public Service Commission to Construct a Cellular Tower Facility at Fifth Street Road, Corbin Whitley County, Kentucky

Dear Commissioners:

PI Tower Development, LLC has applied to the Kentucky Public Service Commission to construct a 195' self-support tower and an approximately 4-foot tall lighting arrestor and related improvements, to be located at Fifth Street Road in Corbin, Kentucky, near Interstate 75. The proposed Facility will, on its installation, allow for co-location of multiple carriers. A map showing the location of the proposed new facility is enclosed.

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Sincerely,

lacob C. Walbourn

W. Brent Rice

Counsel for PI Tower Development, LLC

Enclosure 4840-5264-7813, v. 1

EXHIBIT

M

PI Tower Development, LLC proposes to construct a telecommunications tower near this site.

If you have questions, please contact: PI Tower Development, LLC 909 Lake Carolyn Parkway, Suite 260 Irving, Texas 75039

or the Executive Director, Public Service Commission, PO Box 615
Frankfort, KY 40602

Please refer to Docket No. 2019-00012 in any correspondence.

PI Tower Development, LLC proposes to construct a telecommunications tower at this site.

If you have questions, please contact: PI Tower Development, LLC 909 Lake Carolyn Parkway, Suite 260 Irving, Texas 75039

or the Executive Director, Public Service Commission, PO Box 615 Frankfort, KY 40602

Please refer to Docket No. 2019-00012 in any correspondence.

EXHIBIT

N

SARF

Project Name : LV CORBIN SOUTH - New Build	Task Submitted On: 07/17/2014
Task Submitted By : Austin Lee	

Site Acquisition Request Form (SARF)

GeoPlan Market: Louisville

Location Name: LV CORBIN SOUTH

Area: Midwest

Region: Michigan/Indiana/KY

Market: Indiana/Kentucky

Issue Date: 07/17/2014

Site Name: LV CORBIN SOUTH

From: Austin Lee

Type: RSA

Request Type: New Search Area

Budget:

Project Title: LV CORBIN SOUTH - New Build Desired In-Service Date: 09/17/2015

Site Location Type: Permanent Acquisition: Build Plan Site (POR)

Project Manager: Amy Harper

Priority: D

Coverage Objective:

Corbin and state roads surrounding search point.

Further Explanation:

Special instructions:

Type of Site

[X] 700

Preferred Location: Existing Tower

Center of Search Ring

Latitude: 36-55-35.49 N

Longitude: 84-05-49.62 W

Datum: NAD83

Radius of Search Ring (mi): 0.45

Street Address:

Search Ring Center City: Corbin

Search Ring Center County: Whitley

Search Ring Center State: KY

Search Ring Center Zip Code: 40701

Voltage (V):

Donor Site Name:

Amperage (A):

Phase:

Donor Site Sector:

Antenna Center Line (ft AGL): 280.00

Quantity

Building Height Req.:

Min Center Line (ft AGL): 250.00 Max Center Line (ft AGL): 300.00

Generator?: Yes

Equipment Requirements

Number of Sectors

Whip: Panel: 3 Link:

Current

Future

Size

Size

Whip: Panel: Whip: Panel:

12

Quantity

Link:

Link:



LV CORBIN SOUTH – New Build SARF Map



