

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

In the Matter of:

THE APPLICATION OF APC TOWERS IV, LLC, AND )  
CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS )  
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC ) CASE NO. 2026-00027  
CONVENIENCE AND NECESSITY TO CONSTRUCT A )  
WIRELESS COMMUNICATIONS FACILITY IN THE )  
COMMONWEALTH OF KENTUCKY IN THE COUNTY )  
OF RUSSELL )

SITE NAME: JABEZ

\* \* \* \* \*

**RESPONSE TO PSC MARCH 26, 2026, NOTICE OF DEFICIENCY  
CELLCO PARTNERSHIP, D/B/A VERIZON WIRELESS AND APC TOWERS IV, LLC**

Public Service Commission (PSC) Staff's Rejection to application:

1. 807 KAR 5:063 Section 1(1)(d): The geotechnical investigation report has the seal of a professional engineer that is registered in Kentucky but does not have the signature of the professional engineer that is registered in Kentucky.
2. Attached as **Exhibit 1** please find updated Exhibit H – Geotechnical Investigation Report with the appropriate signature(s).
3. Attached hereto as **Exhibit 2** please find an Affidavit of Certification for all information contained in this application.
4. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.
5. All responses and requests associated with this Application may be directed to:

Russell L. Brown  
Clark, Quinn, Moses, Scott & Grahn, LLP  
320 North Meridian Street, Suite 1100  
Indianapolis, IN 46204  
Phone: (317) 637-1321

FAX: (317) 687-2344  
Email: rbrown@clarkquinnlaw.com

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

Respectfully submitted,



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Russell L. Brown  
Clark, Quinn, Moses, Scott & Grahn, LLP  
320 North Meridian Street, Suite 1100  
Indianapolis, IN 46204  
Phone: (317) 637-1321 / FAX: (317) 687-2344  
Email: rbrown@clarkquinnlaw.com  
Attorney for Cellco Partnership d/b/a Verizon Wireless

#### **LIST OF EXHIBITS**

- 1 Geotechnical Investigation Report with signature(s)
- 2 Affidavit of Certification

# GEOTECHNICAL REPORT OF SUBSURFACE INVESTIGATION

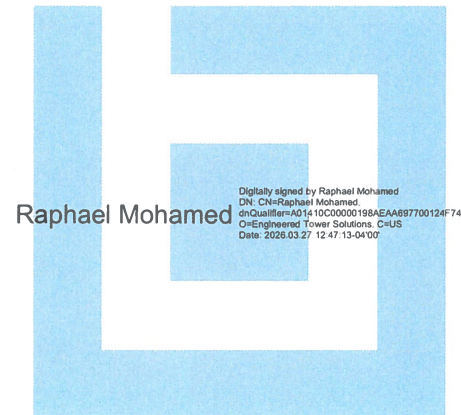
January 12, 2026

**PROPOSED GUYED TOWER  
CK JABEZ  
(KY-4128)**

**KY Highway 96  
Nancy, KY 42602**

**36.985580, -84.891529**

Prepared for:



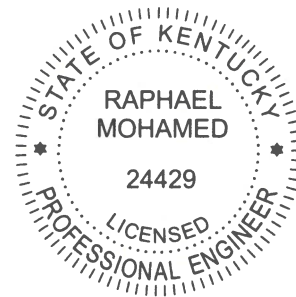
Prepared by:



A handwritten signature in black ink that reads 'Matt Nesbit'.

Matt Nesbit, P.E.  
Geotechnical Engineer II

Reviewed by: Jorge Varela, P.E.  
Senior Geotechnical Engineer



Raphael Mohamed, P.E.  
Registered KY 24429

A handwritten signature in blue ink that reads 'Raphael Mohamed'.

**Engineered Tower Solutions, PLLC - 3227 Wellington Court - Raleigh, NC 27615  
(919) 782-2710**

## Project Summary

| Item                       | Description   |
|----------------------------|---|
| <b>Project Description</b> | A geotechnical exploration and report have been prepared for this proposed 255-foot guyed tower with 10-foot lighting arrestor. Included in this report are the results of the field exploration and the recommendations for the design of the foundation system. |
| <b>Site Coordinates</b>    | Latitude: 36.985580 Longitude: -84.891529   |
| <b>Site Condition</b>      | The proposed tower will be installed at KY Highway 96 in Nancy, Kentucky.   |
| <b>Frost Depth</b>         | Based on the TIA Standard (TIA-222-H), dated October 2017, the recommended design frost penetration depth to be used for Pulaski County, KY is 30 inches (2.5 ft).  |
| <b>Groundwater</b>         | Groundwater was not encountered at the time of drilling. Please note that subsurface water levels will fluctuate with seasonal and cyclical temperatures and precipitation and can be higher or lower at other times.   |
| <b>Proposed Foundation</b> | We assume the proposed foundation will be supported with either pad and pier or drilled shaft (caisson).  |

## Field Exploration

| Item               | Description   |
|--------------------|---|
| Date               | January 6 <sup>th</sup> , 2026  |
| Number of Borings  | 4   |
| Location           | B-1: Tower Center (Latitude: 36.985580 Longitude: -84.891529).<br>Borings B-2 through B-4 at location of anchors.                                 |
| Equipment Used     | CME 45  |
| Advancement Method | Hollow Stem Auger (HSA) and Rock Coring   |
| Sampling Method    | ASTM D-1586 with 1.5 I.D. Split Spoon Sampler<br>ASTM D2113 Standard Practice for Rock Core Drilling and Sampling<br>of Rock for Site Exploration |

## Laboratory Classification and Testing

| Standard   | Description   |
|------------|---|
| ASTM D2488 | Standard Practice for Description and Identification of Soils |

## Subsurface Profile

Based on the results of our borings, the soils beneath the surface can be summarized in the table below:

| Material Encountered | Approximate Depth to Bottom of Stratum | Description   | Consistency / Density |
|----------------------|--|---|-----------------------|
| CLAY                 | 10                                     | Brown and red sandy lean clay   | Medium Stiff to Hard  |
| PWR                  | 15                                     | Partially Weathered Rock sampled as limestone   | --                    |
| ROCK                 | 20.5                                   | Highly fractured and moderately to highly weathered limestone with thin interbeds of shale. | --                    |

Detailed descriptions of conditions encountered at each exploration point are indicated on the individual logs in the Appendix B. Stratification boundaries on the boring logs represent the approximate location of changes in soil types; in-situ, the transition between materials may be gradual.

Groundwater was not encountered at the time of drilling. Groundwater levels will fluctuate with seasonal and climatic changes and may be different at other times.

## Earthwork Recommendations – Equipment Mat

Earthwork is anticipated to include excavations and fill placement. The following sections provide recommendations for use in the preparation of the equipment mat foundation area and access drive.

### Site Preparation

The subgrade should be evaluated under the direction of the Geotechnical Engineer. Areas where soft material are present or excessively wet or dry material should either be removed, or moisture conditioned and recompacted.

**Fill Material Types**

| Soil Type   | USCS Classification | Acceptable Parameters (for Structural Fill)   |
|---|---------------------|---|
| Imported Low- to Moderate- Plasticity Soil <sup>2</sup> | CL, ML, SC or SM    | All locations and elevations  |
| Sand / Gravel with greater than 12% fines               | GW/GP, SW/SP        | Crushed stone base course may be used for the access roadway or beneath shallow foundations as a replacement material for overexcavated soils.                        |
| Near-Surface On-site soils <sup>2</sup>                 | CL                  | On-site soils generally appear suitable for use as fill when they contain at least 12% fines (clay and/or silt) and are compacted at an appropriate moisture content. |

1. Controlled, compacted fill should consist of approved materials that are free of organic matter and debris. A sample of each material type should be submitted to the geotechnical engineer for evaluation.
2. Low- to moderate-plasticity cohesive soil or granular soil having at least 12% fines

**Fill Compaction Requirements**

| Item   | Structural Fill  | General Fill  |
|--|--|---|
| Maximum Lift Thickness                         | 8 inches or less in loose thickness when heavy, self-propelled compaction equipment is used  | Same as Structural fill                             |
| Minimum Compaction Requirements <sup>1,2</sup> | 98% of max. below foundations and within 1 foot of finished pavement subgrade<br>95% of max. above foundations, below floor slabs, and more than 1 foot below finished pavement subgrade | 92% of max.   |
| Water Content Range <sup>1</sup>               | Low plasticity cohesive: -2% to +3% of optimum<br>High plasticity cohesive: 0 to +4% of optimum<br>Granular: -3% to +3% of optimum   | As required to achieve min. compaction requirements |

1. Maximum density and optimum water content as determined by the standard Proctor test (ASTM D 698).
2. High plasticity cohesive fill should not be compacted to more than 100% of standard Proctor maximum dry density.

## **Excavations**

Groundwater was not encountered at the time of drilling. Although not expected, if encountered in deep trench excavations during construction, groundwater or perched groundwater will require dewatering until backfilling operations are complete.

All excavations that may be required should, at a minimum, comply with applicable local, state and federal safety regulations, including the current OSHA Excavation and Trench Safety Standards to provide stability and safe working conditions.

## **Slopes**

For permanent slopes in unreinforced compacted fill areas, we recommended maximum configurations of 3:1 (Horizontal: Vertical) for the cohesive soils (clay) found at the site.

If steeper slopes are required for site development, stability analyses should be completed to design the grading plan. The face of all slopes should be compacted to the minimum specification for fill embankments. Fill slopes should be overbuilt and trimmed to compacted material.

## **Highly Plastic Soils**

Highly plastic soils were encountered in the exploration. Highly plastic soils are prone to **shrink-swell behavior** with fluctuations in moisture content which can cause distress in pavements, slabs, and foundations. Two feet of vertical separation should be created between the existing highly plastic near surface soils and final design subgrades. This can be accomplished by over-excavation and replacement, raising site grades or a combination of both. Fill or backfill used to create the recommended separation should consist of imported low to moderate plasticity soil with at least 20% fines (silt and clay).

## **Earthwork Construction Considerations**

The near-surface, on-site soils will lose strength when exposed to moisture. To the extent practical, earthwork should be performed during drier periods of weather. Increased remedial measures due to wet and soft or otherwise unsuitable conditions should be expected if earthwork is performed during colder and wetter periods of weather.

A qualified geotechnical engineer should be retained during the earthwork phase of the project to observe earthwork and to perform necessary tests and observations during subgrade preparation; to monitor proof-rolling, placement and compaction of controlled compacted fills, and backfilling of excavations to the completed subgrade.

## Foundations Recommendations

The following recommendations are made based on our review of the test boring data and our past experience with similar projects and subsurface conditions. Ultimate soil strength parameters are presented on table below.

### Ultimate Strength Parameters

| Boring # | Depth (ft)  | Unified Soil Classification | Total Unit Weight (pcf) | Friction Angle (degrees) | Cohesion (psf) |
|----------|-------------|-----------------------------|-------------------------|--------------------------|----------------|
| B-1      | 0.0 – 2.0   | CL                          | 105                     | --                       | 500            |
|          | 2.0 – 4.0   | CL                          | 115                     | --                       | 2,400          |
|          | 4.0 – 6.0   | CL                          | 115                     | --                       | 1,800          |
|          | 6.0 – 8.0   | CL                          | 115                     | --                       | 1,800          |
|          | 8.0 – 10.0  | CL                          | 115                     | --                       | 1,600          |
|          | 10.0 – 15.5 | PWR                         | 130                     | 38                       | --             |
|          | 15.5 – 20.5 | ROCK                        | 145                     | 45                       | --             |
| B-2      | 0.0 – 2.0   | CL                          | 105                     | --                       | 600            |
|          | 2.0 – 4.0   | CL                          | 105                     | --                       | 500            |
|          | 4.0 – 6.0   | CL                          | 115                     | --                       | 2,200          |
|          | 6.0 – 8.0   | CL                          | 115                     | --                       | 4,700          |
|          | 8.0 – 12.5  | CL                          | 105                     | --                       | 700            |
| B-3      | 0.0 – 2.0   | CL                          | 105                     | --                       | 800            |
|          | 2.0 – 4.0   | CL                          | 115                     | --                       | 1,600          |
|          | 4.0 – 6.0   | CL                          | 115                     | --                       | 1,000          |
|          | 6.0 – 8.0   | CL                          | 115                     | --                       | 1,900          |
|          | 8.0 – 11.5  | SC                          | 130                     | 32                       | --             |

| Boring # | Depth (ft) | Unified Soil Classification | Total Unit Weight (pcf) | Friction Angle (degrees) | Cohesion (psf) |
|----------|------------|-----------------------------|-------------------------|--------------------------|----------------|
| B-4      | 0.0 – 2.0  | CL                          | 105                     | --                       | 800            |
|          | 2.0 – 4.0  | CL                          | 115                     | --                       | 1,500          |
|          | 4.0 – 6.0  | CL                          | 115                     | --                       | 2,100          |
|          | 6.0 – 8.0  | CL                          | 115                     | --                       | 2,100          |
|          | 8.0 – 11.3 | CH                          | 115                     | --                       | 1,100          |

1. Groundwater was not encountered at the time of drilling. Utilize bouyon unit weight below this depth

Based on the subsurface conditions and typical design foundation loads for similar guyed towers, we recommend that either a caisson (drilled shaft) or a pad/pier be used to support the new tower.

### *Modulus of Subgrade Reaction*

A vertical and horizontal modulus of subgrade reaction may be derived using the following equations and soils parameters expressed in the above table:

$$k_{s-v} = 12 \cdot SF \cdot q_a$$

$$k_{s-h} = k_{s-v} \cdot B$$

Where:

$q_a$  = Allowable Bearing Capacity (ksf)

SF = Safety Factor

B = Base width (ft), use 1 if B < 1ft

$k_{s-v}$  = Vertical Modulus of Subgrade Reaction (kcf)

$k_{s-h}$  = Horizontal Modulus of Subgrade Reaction (ksf)

### *Caisson (Drilled Shaft)*

Should caissons (drilled shafts) be used, the caissons (drilled shafts) will achieve compressive (downward) and tensile (uplift) resistance through skin friction along the sides of the shafts. In addition to skin friction, bearing resistance at the caisson’s tip will contribute to compressive capacity. We recommend the values given the table below be used for this project. Please note the tip bearing capacity and skin frictions are net ultimate and ultimate values respectively. Appropriate factors of safety or resistance factors should be used. Lateral loads can be resisted by the lateral stiffness of the soil. Parameters for analysis of the laterally loaded caisson are also given the table below.

#### Caisson (Drilled Shaft) Parameters

| Depth<br>(ft) | Net Ultimate<br>Tip Bearing<br>Capacity<br>(ksf) | Ultimate Skin Friction <sup>1</sup><br>(ksf) |        | Lateral<br>Modulus (pci) | E <sub>50</sub><br>(in/in) |
|---------------|--|--|--------|--------------------------|----------------------------|
|               |  | Compressive                                  | Uplift |                          |                            |
| 0.0 – 2.0     | --   | --   | --     | --                       | --                         |
| 2.0 – 4.0     | --   | 1.2  | 1.2    | 1,000                    | 0.005                      |
| 4.0 – 6.0     | --   | 0.9  | 0.9    | 1,000                    | 0.005                      |
| 6.0 – 8.0     | --   | 0.9  | 0.9    | 1,000                    | 0.005                      |
| 8.0 – 10.0    | 14   | 0.8  | 0.8    | 1,000                    | 0.005                      |
| 10.0 – 15.0   | 40   | 0.8  | 0.8    | 225                      | --                         |
| 15.0 – 20.5   | 40   | 1.4  | 1.4    | 225                      | --                         |

1. We recommend the skin friction be ignored for the top 3 ft of the caisson

Based on the subsurface soil conditions, excavations for the caissons (drilled shafts) should be possible using a large, truck-mounted, hydraulic-advanced drill rig. All debris, loose or disturbed soil should be removed from the excavation prior to placing reinforced steel and/or concrete. Reinforcing steel and/or concrete should be placed immediately upon completion of the excavation.

The excavations may be susceptible to caving. Drilling fluid or casing could be used to assist in keeping the drilled hole open. If casing is used, we recommend it be removed from the excavation as concrete is being placed. Continuous vibration or other approved methods should be used during

casing withdrawal to reduce the potential for void-space formation within the concrete. If water is present during concrete placement and/or drilling fluids are used to maintain hole stability, concrete should be pumped or otherwise discharged to the bottom of the hole via a hose or tremie pipe. The end of the hose or tremie pipe must remain below the top surface of any water, drilling fluid and the in-place concrete at all times. Additionally, concrete should be consolidated using vibration methods over the entire length and width of the caissons and the consolidation should be performed only after these fluids are removed and to the extent possible.

***Pad & Pier / Single Mat Foundation***

If the site has been prepared in accordance with the requirements noted in *Earthwork Recommendations – Equipment Mat*, the tower’s foundation capacity can be determined using the soil’s bearing capacity, passive pressure resistance, and a sliding friction factor.

**Net Ultimate Bearing Capacity and Sliding Friction Factor**

| <b>Depth<sup>2</sup><br/>(ft)</b> | <b>Net Ultimate Bearing Capacity<sup>1</sup><br/>(psf)</b> | <b>Sliding Friction Factor<sup>1</sup></b> |
|-----------------------------------|--|--|
| 0.0 – 2.5                         | --   | --   |
| 2.5 – 8.0                         | 11,000   | 0.30                                       |
| 8.0 – 15.0                        | 11,000   | 0.30                                       |

1. This value is a net ultimate value and an appropriate factor of safety or resistance factor should be used

**Ultimate Passive Pressure and Friction Factor**

| <b>Boring #</b> | <b>Depth (ft)</b> | <b>Ultimate Passive Pressure<sup>1</sup> (psf)<sup>1</sup></b> |
|-----------------|-------------------|--|
| B-1             | 0.0 – 2.0         | 0 – 400  |
|                 | 2.0 – 4.0         | 400 – 800  |
|                 | 4.0 – 8.0         | 800 – 1,600  |
|                 | 8.0 – 12.0        | 1,600 – 2,400  |
|                 | 12.0 – 20.0       | 2,400 – 4,000  |

1. Ultimate passive pressure can be interpolated for foundation depths with the depth ranges given

***Anchor Blocks***

Concrete gravity blocks achieve resistance against the applied loads through the weight of the concrete in the blocks, the weight of the soil above the blocks, skin friction between the block and surrounding soil, and passive pressures developed in the soil. For these calculations we recommend the following values be used:

**Ultimate Passive Pressure and Friction Factor**

| <b>Boring #</b> | <b>Depth (ft)</b> | <b>Ultimate Passive Pressure (psf)</b> | <b>Sliding Friction Factor</b> |
|-----------------|-------------------|--|--------------------------------|
| B-2<br>(Anchor) | 0.0 – 2.0         | 0 – 400                                | 0.30                           |
|                 | 2.0 – 4.0         | 400 – 800                              |                                |
|                 | 4.0 – 8.0         | 800 – 1,600                            |                                |
|                 | 8.0 – 12.0        | 1,600 – 2,400                          |                                |
|                 | 12.0 – 20.0       | 2,400 – 4,000                          |                                |

| Boring #        | Depth (ft)  | Ultimate Passive Pressure (psf) | Sliding Friction Factor |
|-----------------|-------------|---------------------------------|-------------------------|
| B-3<br>(Anchor) | 0.0 – 2.0   | 0 – 400                         | 0.30                    |
|                 | 2.0 – 4.0   | 400 – 800                       |                         |
|                 | 4.0 – 8.0   | 800 – 1,600                     |                         |
|                 | 8.0 – 12.0  | 1,600 – 2,400                   |                         |
|                 | 12.0 – 20.0 | 2,400 – 4,000                   |                         |
| B-4<br>(Anchor) | 0.0 – 2.0   | 0 – 400                         | 0.30                    |
|                 | 2.0 – 4.0   | 400 – 800                       |                         |
|                 | 4.0 – 8.0   | 800 – 1,600                     |                         |
|                 | 8.0 – 12.0  | 1,600 – 2,400                   |                         |
|                 | 12.0 – 20.0 | 2,400 – 4,000                   |                         |

### Seismic Parameters

The seismic design requirements for buildings and other structures are based on Seismic Design Category. Site Classification is required to determine the Seismic Design Category for a structure. The Site Classification is based on the upper 100 feet of the site profile defined by a weighted average value of either shear wave velocity, standard penetration resistance, or undrained shear strength in accordance with Section 20.4 of ASCE 7 and the International Building Code (IBC)

#### Seismic Site Classification

| Item  | Seismic Parameter                                    |
|---|--|
| 2018 International Building Code<br>Seismic Site Classification | D <sup>1</sup>                                       |
| Design Spectral Response Acceleration Parameters                | S <sub>ds</sub> = 0.203g<br>S <sub>d1</sub> = 0.151g |

- The IBC seismic site classification is based on the subsurface profile depth of 100 feet. The scope of work did not authorize exploration to a depth of 100 feet. A seismic Site Soil Classification of D should be used if insufficient details are known about the 100-foot soil profile.

### *Soil Resistivity*

Laboratory soil resistivity test were conducted according to procedures designated in ASTM G187 and test results are presented in the following table. Soil resistivity values will vary with temperature and moisture content changes and may be different at other times.

#### Soil Resistivity Testing Results

| <b>Boring</b> | <b>Sample Depth (ft)</b> | <b>Resistivity (Ohm-cm)</b> |
|---------------|--------------------------|-----------------------------|
| B-1           | 1.5 – 3.0                | 44,000                      |

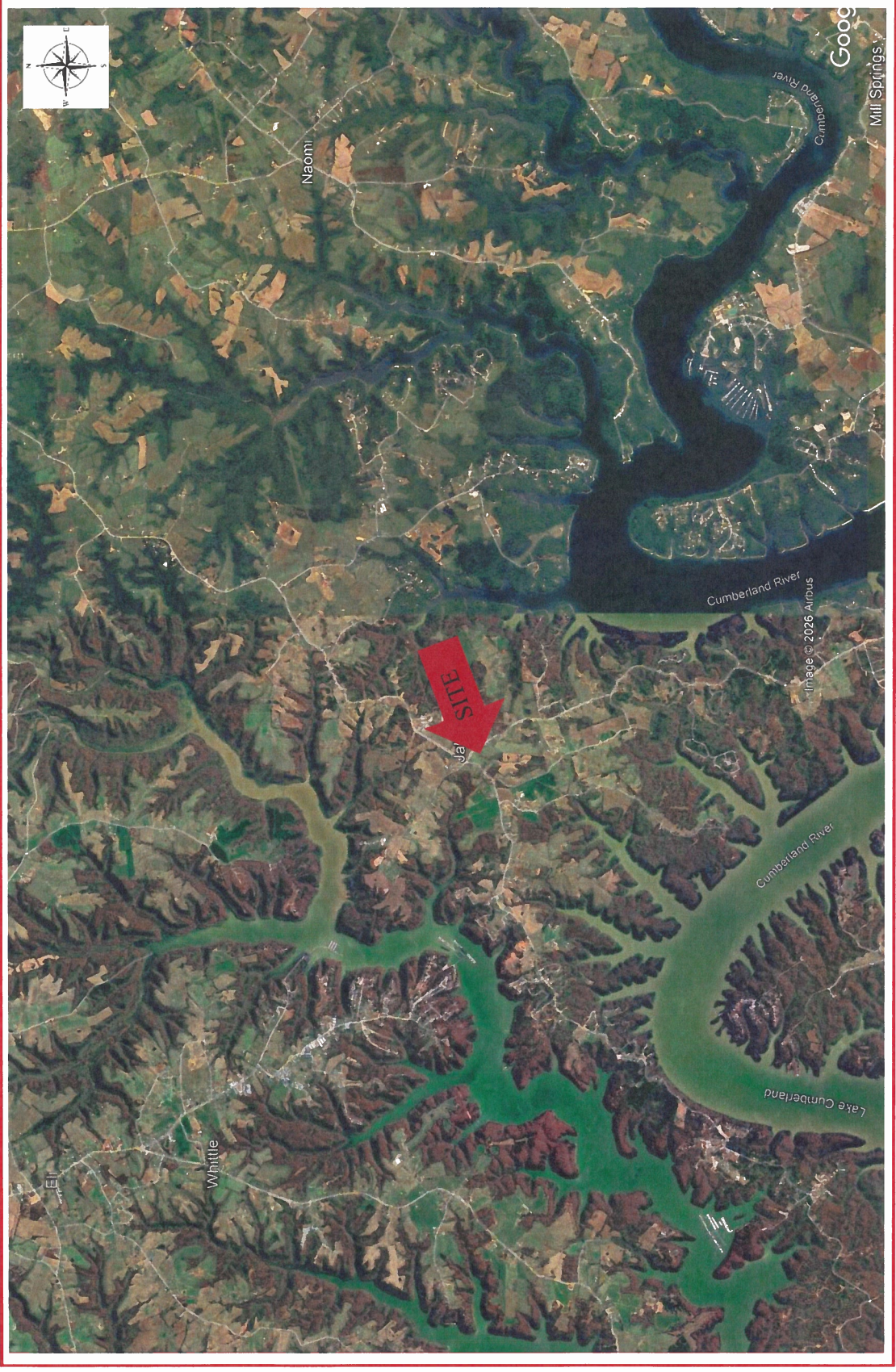
### **LIMITATIONS OF REPORT**

This report has been prepared in accordance with generally accepted geotechnical engineering practices for the specific application of this project. The conclusions in this report are based on the applicable standards of our practice in this geographic area at the time this report was prepared. No other warranty, expressed or implied, is made.

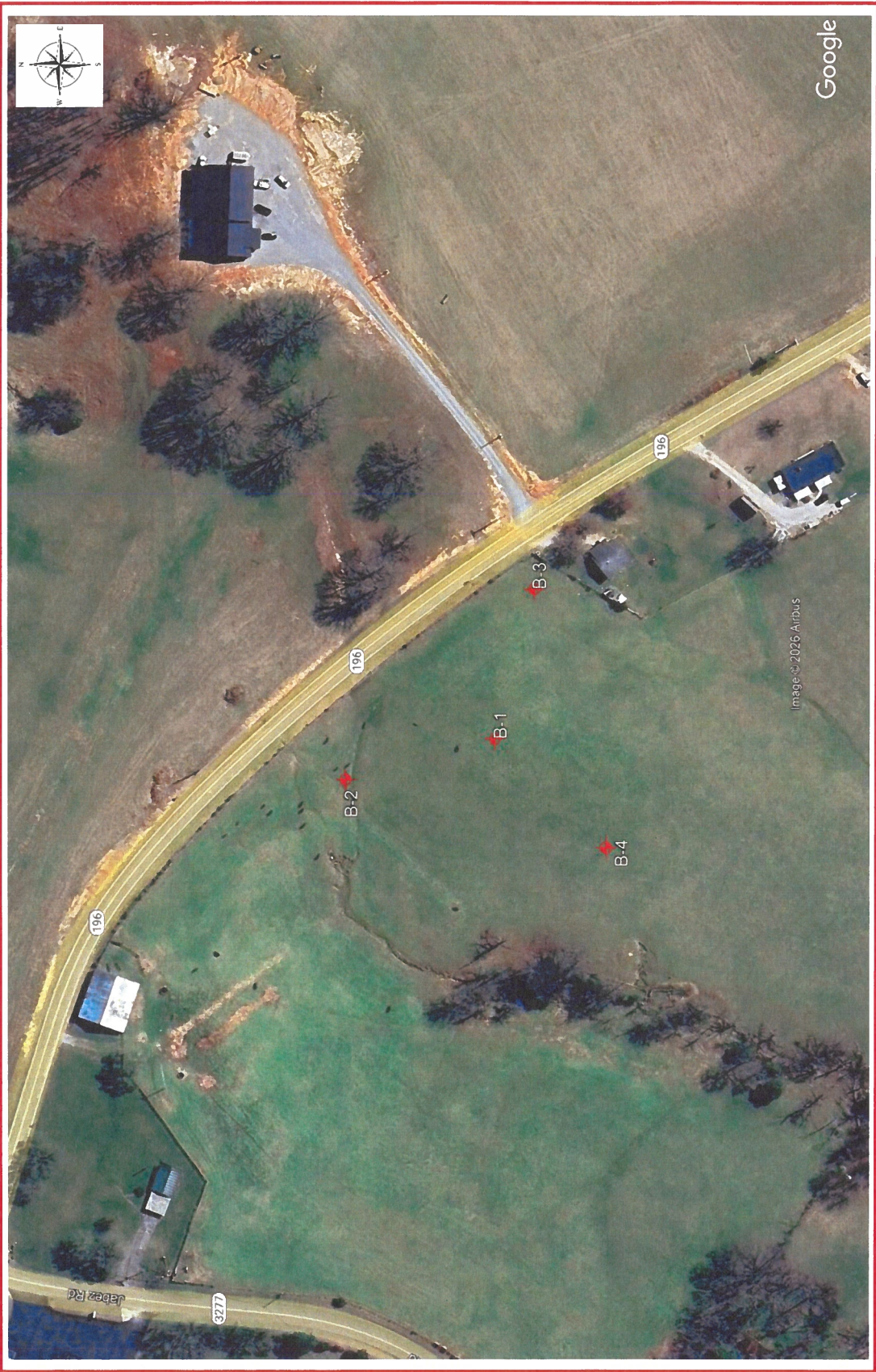
The analyses and conclusions submitted herein are based, in part, upon the data obtained from the subsurface exploration performed for this analysis. The soil and ground water conditions can vary across the site. Opinions and conclusions are subject to change if new or additional information is submitted for review.

**APPENDIX A**  
**LOCATION INFORMATION**

**SITE LOCATION PLAN**  
**CK JABEZ (KY-4128)**  
Job Number: 25142527



**BORING LOCATION PLAN**  
**CK JABEZ (KY-4128)**  
Job Number: 25142527



**SITE PHOTO**  
**CK JABEZ (KY-4128)**  
Job Number: 25142527



**APPENDIX B**  
**SOIL TEST BORING**



**CLIENT** APC Towers **PROJECT NAME** CK Jabez  
**PROJECT NUMBER** 25142527 **PROJECT LOCATION** KY Highway 96, Nancy, KY 42602  
**DATE** 1/6/2026 **COORDINATES** 36.98558, -84.891529  
**DRILLING METHOD** Hollow Stem Auger (HSA) and Rock Coring **GROUND WATER LEVELS:**  
**DRILLING EQUIPMENT** CME 550 **AT TIME OF DRILLING** --- Not Encountered  
**LOGGED BY** M. Nesbit **AT END OF DRILLING** --- Not Encountered  
**NOTES** \_\_\_\_\_ **AFTER DRILLING** --- Not Encountered

ETS - BORING WIROCK CORING 2 - ETS DATABASE JUN30.GDT - 1/12/26 14.44 - R.2025142527 CK.JABEZ\GE\132\_GEOTECHREPORT\CK.JABEZ.GPJ

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION  | SAMPLE TYPE NUMBER  | RECOVERY % (RQD) | BLOW COUNTS (N VALUE) |
|------------|-------------|---|---|------------------|-----------------------|
| 0          |             |   |   |                  |                       |
|            |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, medium stiff.   | SS 1  |                  | 3-2-3 (5)             |
|            |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, very stiff.   | SS 2  |                  | 6-10-14 (24)          |
| 5          |             |   | SS 3  |                  | 5-8-10 (18)           |
|            |             |   | SS 4  |                  | 5-9-9 (18)            |
| 10         |             |   | SS 5  |                  | 4-6-10 (16)           |
|            |             |   | <b>PARTIALLY WEATHERED ROCK (PWR)</b> , , Sampled as weathered limestone. | SS 6             |                       |
| 15         |             | <b>LIMESTONE</b> , Highly fractured and moderately to highly weathered limestone with thin interbeds of shale.. | RC RC-1   | 77               | (47)                  |
| 20         |             |   |   |                  |                       |

Bottom of Borehole at 20.5 feet.



**CLIENT** APC Towers **PROJECT NAME** CK Jabez  
**PROJECT NUMBER** 25142527 **PROJECT LOCATION** KY Highway 96, Nancy, KY 42602  
**DATE** 1/6/2026 **COORDINATES** 36.986044, -84.891687  
**DRILLING METHOD** Hollow Stem Auger (HSA) **GROUND WATER LEVELS:**  
**DRILLING EQUIPMENT** CME 550 **AT TIME OF DRILLING** --- Not Encountered  
**LOGGED BY** M. Nesbit **AT END OF DRILLING** --- Not Encountered  
**NOTES** \_\_\_\_\_ **AFTER DRILLING** --- Not Encountered

ETS - BORING WIROCK CORING 2 - ETS DATABASE JUN30.GDT - 1/12/26 14:44 - R 10223142527 CK JABEZ\GEI5132\_GEOTECHREPORT\CK JABEZ.GPJ

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION  | SAMPLE TYPE NUMBER | RECOVERY % (RQD) | BLOW COUNTS (N VALUE) |
|------------|-------------|---|--------------------|------------------|-----------------------|
| 0          |             |   |                    |                  |                       |
|            |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, medium stiff.       | SS 1               |                  | 3-3-3 (6)             |
|            |             |   | SS 2               |                  | 2-3-2 (5)             |
| 5          |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, very stiff to hard. | SS 3               |                  | 4-7-15 (22)           |
|            |             |   | SS 4               |                  | 9-22-25 (47)          |
| 10         |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, medium stiff.       | SS 5               |                  | 4-4-3 (7)             |

Auger Refusal at 12.5 feet.



**CLIENT** APC Towers **PROJECT NAME** CK Jabez  
**PROJECT NUMBER** 25142527 **PROJECT LOCATION** KY Highway 96, Nancy, KY 42602  
**DATE** 1/6/2026 **COORDINATES** 36.985458, -84.89095  
**DRILLING METHOD** Hollow Stem Auger (HSA) **GROUND WATER LEVELS:**  
**DRILLING EQUIPMENT** CME 550 **AT TIME OF DRILLING** --- Not Encountered  
**LOGGED BY** M. Nesbit **AT END OF DRILLING** --- Not Encountered  
**NOTES** \_\_\_\_\_ **AFTER DRILLING** --- Not Encountered

ETS - BORING WIROCK CORING 2 - ETS DATABASE JUN30.GDT - 1/12/26 14.44 - R \20251142527\_CK JABEZ\GEI5132\_GEOTECHREPORT\CK JABEZ.GPJ

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION   | SAMPLE TYPE NUMBER | RECOVERY % (RQD) | BLOW COUNTS (N VALUE) |
|------------|-------------|--|--------------------|------------------|-----------------------|
| 0          |             |  |                    |                  |                       |
|            |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, stiff to very stiff. | SS 1               |                  | 3-3-5<br>(8)          |
|            |             |  | SS 2               |                  | 4-7-9<br>(16)         |
| 5          |             |  | SS 3               |                  | 3-4-6<br>(10)         |
|            |             |  | SS 4               |                  | 5-7-12<br>(19)        |
| 10         |             |  | SS 5               |                  | 7-28-30<br>(58)       |
|            |             | <b>CLAYEY SAND (SC)</b> , gray, dry, very dense, with rock fragments.    |                    |                  |                       |
|            |             | Auger Refusal at 11.5 feet.  |                    |                  |                       |



**CLIENT** APC Towers **PROJECT NAME** CK Jabez  
**PROJECT NUMBER** 25142527 **PROJECT LOCATION** KY Highway 96, Nancy, KY 42602  
**DATE** 1/6/2026 **COORDINATES** 36.985239, -84.891951  
**DRILLING METHOD** Hollow Stem Auger (HSA) **GROUND WATER LEVELS:**  
**DRILLING EQUIPMENT** CME 550 **AT TIME OF DRILLING** --- Not Encountered  
**LOGGED BY** M. Nesbit **AT END OF DRILLING** --- Not Encountered  
**NOTES** \_\_\_\_\_ **AFTER DRILLING** --- Not Encountered

ETS - BORING WIROCK CORING 2 - ETS DATABASE JUN30.GDT - 1/12/26 14.44 - R \20251142527 CK JABEZ\GEI5132\_GEOTECHREPORT\CK JABEZ.GPJ

| DEPTH (ft) | GRAPHIC LOG | MATERIAL DESCRIPTION   | SAMPLE TYPE NUMBER | RECOVERY % (RQD) | BLOW COUNTS (N VALUE) |
|------------|-------------|--|--------------------|------------------|-----------------------|
| 0          |             |  |                    |                  |                       |
|            |             | <b>SANDY LEAN CLAY (CL)</b> , brown and red, moist, stiff to very stiff. | SS 1               |                  | 3-3-5 (8)             |
|            |             |  | SS 2               |                  | 5-7-8 (15)            |
| 5          |             |  | SS 3               |                  | 7-10-11 (21)          |
|            |             |  | SS 4               |                  | 6-7-13 (20)           |
| 10         |             |  | SS 5               |                  | 4-5-6 (11)            |
|            |             | <b>SANDY FAT CLAY (CH)</b> , brown and red, moist, stiff.                |                    |                  |                       |
|            |             | Auger Refusal at 11.3 feet.  |                    |                  |                       |

STATE OF INDIANA        )  
                                  )SS:  
COUNTY OF MARION     )

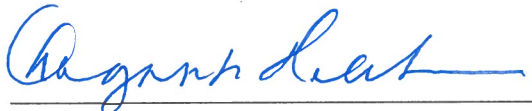
**AFFIDAVIT OF CERTIFICATION  
COMMONWEALTH OF KENTUCKY  
PUBLIC SERVICE COMMISSION**

I, Russell L. Brown, attorney for Cellco Partnership d/b/a Verizon Wireless do hereby certify that as the person supervising the preparation of this application and all statements and information contained herein are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry for all information within this application.



\_\_\_\_\_  
Russell L. Brown  
Attorney for Cellco Partnership d/b/a Verizon Wireless

STATE OF INDIANA,  
COUNTY OF MARION, SS:  
Subscribed and sworn to before me this 30<sup>th</sup> day of March, 2026.



\_\_\_\_\_  
Notary Public  
Printed Name of Notary: Megan N. Webb  
My commission expires: May 24, 2028  
My County of Residence: Marion  
Commission #: 0634690

