

PLANNING COMMISSION MEETING AGENDA

August 19, 2025

The Prince Edward County Planning Commission encourages citizens participation in public meetings through in-person participation, written comments and/or remote participation by calling: **1-844-890-7777, Access Code: 390313** (*If busy, please call again.*) Additionally, citizens may view the Commission meeting live in its entirety at the County's YouTube Channel, the link to which is provided on the County's website.

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**AGENDA**

**PAGE #**

- 7:00 P.M.**
1. The Chair will call the August meeting of the Planning Commission to order.
  2. Invocation
  3. Pledge of Allegiance
  4. Conflict of Interest Disclosures
  5. Approval of Minutes 3
  6. **PUBLIC HEARINGS:** The Commission will receive public input prior to 13  
considering the following:
    - a. A special use permit request by Jonathan Yates for Arcola Towers in order to construct a 197' self-supporting communications tower on land denoted as Tax Map Parcel 023B-2-2, located at 85 SMI Way, Farmville, VA, 0.10 mile from its intersection with Industrial Park Road., which is zoned I1, General Industrial District.
  7. Review of Supervisors Actions
  8. Old Business
  9. New Business
  10. Next Meeting:  
Regular Meeting: Tuesday, September 16, 2025 at 7:00 p.m.
  11. Adjournment

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**Planning Commission  
Agenda Summary**

**Meeting Date:** August 19, 2025  
**Item No.:** 5  
**Department:** Planning and Community Development  
**Staff Contact:** Robert Love  
**Agenda Item:** Approval of Minutes

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**Summary:**  
For approval.

**Attachments:**  
May 20, 2025 Draft Planning Commission meeting minutes

Motion \_\_\_\_\_  
Second \_\_\_\_\_

Copeland \_\_\_\_\_  
Fuller \_\_\_\_\_  
Gilliam \_\_\_\_\_

Hart \_\_\_\_\_  
Hogan \_\_\_\_\_  
Paige \_\_\_\_\_

Peery \_\_\_\_\_  
Prengaman \_\_\_\_\_  
Weiss \_\_\_\_\_



**Prince Edward County Planning Commission  
Meeting Minutes  
May 20, 2025  
7:00 pm**

|                  |                                       |                                          |
|------------------|---------------------------------------|------------------------------------------|
| Members Present: | Brad Fuller                           | Llew W. Gilliam, Jr.                     |
|                  | David Hart                            | John H. Hogan                            |
|                  | Whitfield M. Paige                    | John Prengaman                           |
| Absent:          | John "Jack" W. Peery, Jr.             | Rhett Weiss                              |
| Staff Present:   | Robert Love, Planning/Zoning Director | Douglas P. Stanley, County Administrator |

The Prince Edward County Planning Commission strongly encourages citizens to participate in public meetings through in-person participation, written comments, and/or remote participation by calling: **1-844-890-7777, Access Code: 390313** (*If busy, please call again.*) Additionally, citizens may view the Commission meeting live in its entirety at the County's YouTube Channel, the link to which is provided on the County's website.

Public Hearing comments for Planning Commission meetings will be subject to the "Citizen Guide for Providing Input During Public Participation and Public Hearings For Prince Edward County Government Meetings" revised October 12, 2022.

Chairman Prengaman called the May 20, 2025 meeting to order at 7:00 p.m., established there was a quorum, gave the invocation and led the Pledge of Allegiance.

**In Re: Approval of Minutes**

Commissioner Fuller made a motion, seconded by Commissioner Gilliam, to approve the meeting minutes from February 18, 2025 and March 18, 2025; the motion carried:

|      |                           |      |        |
|------|---------------------------|------|--------|
| Aye: | Brad Fuller               | Nay: | (None) |
|      | Llew W. Gilliam, Jr.      |      |        |
|      | David Hart                |      |        |
|      | John H. Hogan             |      |        |
|      | Whitfield M. Paige        |      |        |
|      | John "Jack" W. Peery, Jr. |      |        |
|      | John Prengaman            |      |        |
|      | Rhett Weiss               |      |        |

**In Re: Public Hearing – Special Use Permit Request, Dogwood Properties Green Bay, VA LLC**

Chairman Prengaman announced this was the date and time scheduled to receive citizen input prior to considering a Special Use Permit request filed by Dogwood Properties Green Bay, VA, LLC for a proposal to operate a restaurant on land totaling 1.5 +/- acres denoted as Tax Map Parcel 107-A-44 with an address of 8306 Patrick Henry Highway, Green Bay, VA on US Route 360, which is zoned Agricultural Conservation (A1) District. Notice of this hearing was advertised according to law in the Wednesday, May 7, 2025 and Friday, May 9, 2025 editions of THE FARMVILLE HERALD, a newspaper published in the County of Prince Edward.

The County has received an application request by Dogwood Properties Green Bay, VA, LLC for a Special Use Permit to operate a restaurant on land totaling 1.5 +/- acres denoted as Tax Map Parcel 107-A-44 with

an address of 8306 Patrick Henry Highway Green Bay, VA on US Route 360, which is zoned Agricultural Conservation (A1) District.

The purpose of the Special Use is to allow for the establishment of a restaurant in an existing vacant building. The building was formerly used as a gasoline station but has been closed for many years. County staff is of the opinion the use is generally compatible with the zoning district but will have minimal impacts on surrounding properties as far as traffic and noise.

Mr. Love said VDOT inspected the entrances which will work for this use. The applicant has reviewed and agrees to the conditions set forth. Mr. Love said the occupancy will be declared by the Building Official after the renovation and inspection.

Paul Ward, applicant, stated they are currently remodeling the building; he said hours of operation are planned to be 6:00 a.m. to 8:00 p.m., and only closed on Christmas Day. He said they plan to serve BBQ, home cooked meals, and breakfast all day. He said he would like to open by the end of July [2025]; he is in the process of getting the water tested by the Health Department.

Commissioner Fuller questioned the type of signage intended. Mr. Ward said he will place the sign over the porch area, on the building; he added the lighting will be placed on the side corners of the building.

Commissioner Fuller asked about parking for tractor-trailers; Mr. Ward said he doesn't think they would be able to get under the wiring, and will put signs that they cannot park there.

Chairman Prengaman asked how many customers can be seated; Mr. Ward said he would like to seat 43-45, plus he will have outside patio seating.

Chairman Prengaman opened the public hearing.

Donald Sura, Lockett District, stated Mr. Ward had a restaurant in Burkeville, there were never problems and was always clean, and wanted to speak in favor of the project.

There being no one further wishing to speak, Chairman Prengaman closed the public hearing.

Commissioner Hogan made a motion, seconded by Commissioner Gilliam, that the Planning Commission recommend approval to the Board of Supervisors of the Special Use Permit request by Dogwood Properties Green Bay, VA, LLC with the following conditions; the motion carried:

|         |                                        |      |        |
|---------|----------------------------------------|------|--------|
| Aye:    | Brad Fuller                            | Nay: | (None) |
|         | Llew W. Gilliam, Jr.                   |      |        |
|         | David Hart                             |      |        |
|         | John H. Hogan                          |      |        |
|         | Whitfield M. Paige                     |      |        |
|         | John Prengaman                         |      |        |
| Absent: | John "Jack" W. Peery, Jr., Rhett Weiss |      |        |

**Special Use Permit – Dogwood Properties Green Bay, VA, LLC**  
**Tax Parcel Map #: 107-A-44**  
**POTENTIAL CONDITIONS**

**SITE PLAN**

1. Development activities on the site shall be limited to those as specified in the Special Use Permit Application and Site Plan. The final locations of incidental facilities may be adjusted

provided no such adjustment violates any buffers, setbacks, or other statutory requirement. The concepts reflected in the filed special use permit dated 03/30/2025 are hereby made part of these development conditions.

2. Final site plan approval for the Restaurant shall be submitted to the Prince Edward County Community Development Department for final review and approval pursuant to Appendix B of the Prince Edward County Code (Zoning Ordinance).
3. Any proposed expansion of the operation, change of activities or additional facilities or activities shall be submitted to the Prince Edward County Planning and Community Development office for review prior to implementation. Any changes may be subject to Permit amendment procedures, including Public Hearings.
4. All buildings within the property shall be developed as a cohesive entity ensuring that building placement, architectural treatment, parking lot lighting, landscaping, trash disposal, vehicular and pedestrian circulation and other development elements work together functionally and aesthetically.
5. All landscaping shall be mulched and maintained to the reasonable satisfaction of the Prince Edward County Planning and Community Development Director. Any vegetation found to be of poor condition shall be replaced and/or improved at the reasonable direction of the Planning and Community Development Director or his designee.

#### **ENVIRONMENTAL**

6. All pollution control measures, erosion and sediment control measures, storm water control facilities, and all construction activities shall comply with the requirements of the appropriate federal, state, and local regulations and ordinances.
7. All facilities for the provision of potable water and sanitation and wastewater disposal systems and food preparation shall be approved by the appropriate local, state, or federal agency including but not limited to Virginia Department of Health, Virginia Departments of Environmental Quality, Environmental Protection Agency, etc.
8. Any development activities of a structural or land disturbing nature not specifically addressed by these Conditions shall be in conformance with applicable provisions of federal, state, and local statutes and regulations.

#### **TRANSPORTATION**

9. All entrances to the site shall be installed in accordance with and permitted by the Virginia Department of Transportation.
10. All internal roads used for public access shall be of compacted earth or have a minimum of a four (4) inch stone base and shall be paved with concrete, asphalt, or durable pervious paving material.
11. Adequate area shall be provided on site to accommodate parking of all employees and patrons. It shall be the responsibility of the Permittee to assure that employees and patrons park only on site and not on any highway right-of-way, or on adjoining or adjacent parcels unless written consent is provided by the owner or owners thereof.

## **GENERAL**

12. Restaurant hours of operation shall be limited to 6 a.m. until 8 p.m. daily.
13. Occupancy shall be limited to the determination by the Prince Edward County Building Official in accordance with the 2021 Virginia Building Code.
14. Site signage shall be limited to a monument and storefront sign, as specified in Appendix B – Zoning, Section 3-104.5 (2) and Section 3-104.5 (3).
15. All exterior lighting shall be designed and installed so as to minimize glare onto adjoining properties or any public access road. All lighting shall be full cut-off type fixtures.
16. Outdoor storage of trash containers shall be appropriately screened per Prince Edward Zoning Ordinance, Section 4-200.15.
17. The Permittee is responsible for the appearance of the site including litter pick-up and other orderly site appearance.
18. This Permit is non-transferable, except and unless written notice from the Permittee regarding the transfer, and a signed document from the proposed new Permittee is received by the Planning and Community Development Office which states that the new Permittee agrees to comply with all terms and Conditions imposed with the original Permit Issuance. If the proposed new Permittee desires to amend the original Permit Conditions, amendments must be addressed by the Prince Edward County Planning Commission and Board of Supervisors through the Special Use Permit process.
19. Failure of Permittee to full conform to all terms and conditions may result in revocation of this Special Use Permit if said failure or failures are not corrected or addressed to the satisfaction, not to be unreasonably withheld, of the County within thirty (30) days of written notice from the County.

### **In Re: Public Hearing – Special Use Permit, Michael & Helen Royea, Rural Events Center**

Chairman Prengaman announced this was the date and time scheduled to receive citizen input prior to considering a Special Use Permit request filed by Michael and Helen Royea for a proposal to operate a rural events center on land totaling 136.49 +/- acres denoted as Tax Map Parcel 055-A-32 with an address of 25943 Prince Edward Highway, Rice, VA on US Route 460, which is zoned Agricultural Conservation (A1) District. Notice of this hearing was advertised according to law in the Wednesday, May 7, 2025 and Friday, May 9, 2025 editions of THE FARMVILLE HERALD, a newspaper published in the County of Prince Edward.

Mr. Love stated the County has received an application request by Michael and Helen Royea for a Special Use Permit to operate a rural events center on land totaling 136.49 +/- acres denoted as Tax Map Parcel 055-A-32 with an address of 25943 Prince Edward Highway, Rice, VA on US Route 460, which is zoned Agricultural Conservation (A1) District.

The purpose of the Special Use is to allow for the establishment of a rural events center. County staff is of the opinion the use is generally compatible with the zoning district but will have minimal impacts on surrounding properties as far as traffic and noise.

Mr. Love said the applicants stated there will be space for 125 attendees and five employees; that is a stipulation by the Health Department and VDOT for this site based on the available facilities and driveway entrances. He said there were no comments opposing this project, and one comment in favor of this project.

Commissioner Hart questioned the limit to five employees. Mr. Love said there can only be 130 people (per Health Department regulations) on the site, and that was the applicant's designation. Discussion followed.

Michael Royea stated the Special Use Permit is for Red Hill Ranch, which is the LLC associated with the property. He said there are 134 [acres] and an additional 3.7-acre lot that sits along Route 460 and another 4.3 [acre lot] beside that property that is wooded and has a natural stream flowing through it. He said there will be a 40' x 80' building with two 12' x 80' lean-tos; lighting will be on six 30' poles around the building and will be solar powered with very soft lighting. He said it gives the outline of the building and the surrounding area of about 10' to 20', with nothing that points directly towards any of the properties. The parking is intended to be in the front lot, the 3.7 acres, and is grass and well drained; any sound will be turned to face the woods. He said there are 200 acres behind, which is wooded as well. Mr. Royea stated the main concrete pad is poured with one more to go; he said the building will be fully enclosed. He then stated the signage will be a 5' x 5', and they have a permit from the Health Department for 125 people. He said he did GIS mapping and this center will be 750' from the nearest resident. He added the property is on a hill and the sunsets are amazing. These events will be normalized by reservation or invitation.

Commissioner Fuller asked if this will be a 12-month facility; Mr. Royea said it will be once it is closed in.

Chairman Prengaman opened the public hearing.

Beverly B. Hines, Lockett District, said her property adjoins at the back of the Royea's property. She asked the hours of operation. Helen Royea said it will be from 10:00 a.m. to 11:00 p.m., adding that most weddings begin about 2:00 p.m. Mr. Royea said weddings typically last longer.

Mrs. Royea said other events would be festivals, fund raisers, and other events with vendors and typically would run from 10:00 a.m. to 5:00 p.m. She said there will be no motorized vehicles and no revving of engines.

Mr. Love said this will be a highly regulated property and presented the definition of a Rural Event location. He said *"a Rural Event facility is a facility located on a parcel of land 20 acres or larger in size. It allows for events typically conducted on a single day, for which attendance is permitted by making a reservation. Facilities may host usual customary activities including, but not limited to, private parties; business meetings; educational seminars; wedding receptions; wedding ceremonies; class and family reunions; showers, i.e. baby and bridal; similar events and activities for non-profit organizations; and similar events and activities as determined by the zoning administrator."* He said it is not in way affiliated with motor sports, and there will be no overnight events.

Chairman Prengaman asked if this will be operated seven days a week. Mr. Royea said that it will be by reservation only.

Ms. Hines asked if this will host horse events. Mrs. Royea said there were in the past [on that property], but the ring is no longer there; she said that it may be in the future but they want to protect the waterways. Discussion followed.

Commissioner Hart asked how the site is currently accessed; Mrs. Royea said they use the driveway [off Route 460].

Commissioner Hart then asked how far this site is from the neighbors. Mrs. Royea said the site is closer to the wooded area.

Don Sura, Lockett District, stated that he shares a boundary of approximately 1,300 feet, and has already heard music coming from the site. He asked that the events end at 10:00 p.m. Mr. Love said the conditions

include that quiet time is from 11:00 p.m. until 8:00 a.m. He said the noise ordinance in Prince Edward County requires two individuals of different households to file a complaint; he said the County noise ordinance states it will be unlawful for someone to permit sound to be heard across residential property boundary or partitions in a building to be plainly audible at a distance of 50' from its source.

Mr. Sura said that the waterways on the property go into Saylor's Creek; Mr. and Mrs. Royea said they are aware. Mr. Sura then stated he supports this project.

Rose Simmons, [call-in], asked if [Mr. and Mrs. Royea] intend to expand the property. Mr. Love stated the project is restricted to the parcel.

Deborah Young, [call-in], questioned how close to the property is Tax Map Parcel 055-A-3. Mr. Love said there is at least 800' distance.

Ms. Young then asked the next steps and asked about the process for input. Mr. Love said after the Planning Commission makes its determination, the issue then goes before the Board of Supervisors with the same process for input.

Ms. Simmons then asked about the 40' by 80' structure. Chairman Prengaman said that is where the events will be held.

Seth Sura, Lockett District, said the special use permit is to allow wedding ceremonies on the property. He said sound is the biggest concern and is concerned with the effect this will have on the wildlife that frequent the wooded area at the back of their property. He stated he is opposed to this project.

Mrs. Royea said that once the building is finished and enclosed, it will be insulated and the sounds will not be heard. She said they will get a certain "bat" to make sure it is insulated. Mr. Royea said there will be no nightclub sound system, and will be inside the building.

There being no one further wishing to speak, Chairman Prengaman closed the public hearing.

Chairman Prengaman reviewed the comments raised regarding the current conditions.

Commissioner Fuller requested the events be restricted no later than 10:00 p.m. Mr. Love stated the conditions restrict quiet time at 10:00 p.m., which is when the music and noise will shut down.

Commissioner Fuller requested the stipulation that the events conclude at 10:00 p.m.

Mr. Royea stated that there could still be traffic after 10:00 p.m. and clean-up can sometimes take until midnight. There is no concert setup and can shut down at 10:00. Discussion followed regarding the events taking place from 8:00 a.m. until 10:00 p.m., and the maximum number of people onsite limited to 130 to include the employees.

Commissioner Hogan made a motion, seconded by Commissioner Hart, that the Planning Commission recommend approval of the Special Use Permit request by Michael and Helen Royea for the purpose of establishment of a rural events center with the following conditions, as amended: the motion carried:

|         |                                        |      |        |
|---------|----------------------------------------|------|--------|
| Aye:    | Brad Fuller                            | Nay: | (None) |
|         | Llew W. Gilliam, Jr.                   |      |        |
|         | David Hart                             |      |        |
|         | John H. Hogan                          |      |        |
|         | Whitfield M. Paige                     |      |        |
|         | John Prengaman                         |      |        |
| Absent: | John "Jack" W. Peery, Jr., Rhett Weiss |      |        |

**Special Use Permit - Michael and Helen Royea dba Red Hill Ranch LLC**  
**Tax Map #: 055-A-32**  
**POTENTIAL CONDITIONS**

**SITE PLAN**

1. Development activities on the site shall be limited to those as specified in the Special Use Permit Application and Site Plan. The final locations of incidental facilities may be adjusted provided no such adjustment violates any buffers, setbacks, or other statutory requirement. The concepts reflected in the filed special use permit dated 04/02/2025 are hereby made part of these development conditions.
2. Final site plan approval for the Rural Events Center shall be submitted to the Prince Edward County Community Development Department for final review and approval pursuant to Article IV Development Standards of the Prince Edward County Code (Zoning Ordinance).
3. Any proposed expansion of the operation, change of activities or additional facilities or activities shall be submitted to the Prince Edward County Planning and Community Development office for review prior to implementation. Any changes may be subject to Permit amendment procedures, including Public Hearings.
4. All buildings within the property shall be developed as a cohesive entity, ensuring that building placement, architectural treatment, parking lot lighting, landscaping, trash disposal, vehicular and pedestrian circulation and other development elements work together functionally and aesthetically.
5. All landscaping shall be mulched and maintained to the reasonable satisfaction of the Prince Edward County Planning and Community Development Director. Any vegetation found to be of poor condition shall be replaced and/or improved at the reasonable direction of the Planning and Community Development Director or his designee.

**ENVIRONMENTAL**

6. All erosion and sediment control measures, storm water control facilities, and all construction activities shall comply with the requirements of the appropriate federal, state, and local regulations and ordinances.
7. All facilities for the provision of potable water and sanitation and wastewater disposal systems shall be approved by the Virginia Department of Health.
8. Any development activities of structural of land disturbing nature not specifically addressed by these Conditions shall be in conformance with applicable provisions of federal, state, and local statutes and regulations.

**TRANSPORTATION**

9. All entrance permits must be authorized by the Virginia Department of Transportation (VDOT). Development activities shall comply with all requirements of VDOT.
10. All internal roads used for public access shall be of compacted earth, or have a minimum of a four (4) inch stone base, or shall be paved.
11. Adequate area shall be provided on site to accommodate parking of all employees and patrons. It shall be the responsibility of the Permittee to assure that employees and patrons park only on site

and not on any highway right-of-way, or on adjoining or adjacent parcels unless written consent is provided by the owner or owners thereof.

#### **GENERAL**

12. Building occupancy shall be limited to the determination by the Prince Edward County Building Official in accordance with the 2021 Virginia Building Code. Event attendance shall be limited to a total 130 persons including staff.
13. All activities shall comply with Article II – Noise of the Prince Edward County Code. Events hours shall be limited to 8 a.m. to 10 p.m. with quiet time from 10 p.m. to 8 a.m.
14. All exterior lighting shall be designed and installed so as to minimize glare onto adjoining properties or any public access road. All lighting shall be full cut-off type fixtures.
15. Outdoor storage of trash containers shall be situated at the rear of buildings and shall be appropriately screened.
16. The Permittee is responsible for the appearance of the site including litter pick-up and other orderly site appearance.
17. This Permit is non-transferable, except and unless written notice from the Permittee regarding the transfer, and a signed document from the proposed new Permittee is received by the Planning and Community Development Office which states that the new Permittee agrees to comply with all terms and Conditions imposed with the original Permit Issuance. If the proposed new Permittee desires to amend the original Permit Conditions, amendments must be addressed by the Prince Edward County Planning Commission and Board of Supervisors through the Special Use Permit process.
18. Failure of Permittee to full conform to all terms and conditions may result in revocation of this Special Use Permit if said failure or failures are not corrected or addressed to the satisfaction, not to be unreasonably withheld, of the County within thirty (30) days of written notice from the County.

#### **In Re: Review of Supervisors Actions**

Mr. Love stated the Board of Supervisors approved the CEP – Oak Lane Solar project and siting agreement. He said the Green Bay Solar project will go before the Board at their June 10<sup>th</sup> meeting; they have pulled the panels from the Route 360 side of the stream, and are appealing the Substantially In Accord determination.

#### **In Re: Old Business**

(None)

#### **New Business**

Mr. Love stated there may be no meeting June 17. There will be a joint public hearing for the Comprehensive Plan, Tuesday, June 24, 2025 at 7:00 p.m. in the Board of Supervisors Room.

Chairman Prengaman declared the meeting adjourned at 7:54 p.m.

**Next Meeting: TBD**

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## Planning Commission Agenda Summary

**Meeting Date:** August 19, 2025  
**Item No.:** 6  
**Department:** Planning and Community Development  
**Staff Contact:** Robert Love  
**Issue:** Special Use Permit – Arcola Towers

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### Summary:

The County has received an application request by Jonathan Yates for Arcola Towers for a Special Use Permit to construct a 197' self-supporting communications tower on land denoted as Tax Map Parcel 023B-2-2, located at 85 SMI Way, Farmville, VA, 0.10 mile from its intersection with Industrial Park Road. This parcel is in the I1, Industrial General zoning district and the use requires a Special Use Permit.

The public hearing notice was published in the August 6, 2025 and August 8, 2025 editions of the Farmville Herald, Attachment (2). The list of adjoining property owners and the sample letter sent to each can be found in Attachments (3) and (4). Attachment (5) is a copy of the tax map page that depicts the tax map parcel the communications tower will be placed and surrounding property. The parcel is outlined in blue. Attachment (6) is the staff prepared Potential Conditions.

County staff is of the opinion the use is generally compatible with the zoning district and will have minimal impacts on surrounding properties as far as traffic and noise.

### Attachments:

1. Special Use Permit Application
2. Notice of Public Hearing
3. List of adjoining property owners
4. Sample Letter sent to adjoining property owners and Town of Farmville
5. Tax Parcel Map
6. Potential Conditions

### Recommendations:

1. Conduct the Public Hearing and render a decision concerning the request for the Special Use

### Recommended Motions:

I move that the Planning Commission recommend approval of the Special Use Permit request by Arcola Towers to construct a 197' communications tower with the following conditions:  
(list of conditions)

Motion \_\_\_\_\_  
Second \_\_\_\_\_

Copeland \_\_\_\_\_  
Fuller \_\_\_\_\_  
Gilliam \_\_\_\_\_

Hart \_\_\_\_\_  
Hogan \_\_\_\_\_  
Paige \_\_\_\_\_

Peery \_\_\_\_\_  
Prengaman \_\_\_\_\_  
Weiss \_\_\_\_\_



## Planning Commission Agenda Summary

**OR**

I move that the Planning Commission recommend denial of the Special Use Permit request by Arcola Towers to construct a 197' communications tower due to the following:  
*(list reasons)*

**OR**

I move that the Planning Commission table Special Use Permit request by Arcola Towers to construct a 197' communications tower until the next meeting in order to:  
*(list reasons)*

Motion \_\_\_\_\_  
Second \_\_\_\_\_

Copeland \_\_\_\_\_  
Fuller \_\_\_\_\_  
Gilliam \_\_\_\_\_

Hart \_\_\_\_\_  
Hogan \_\_\_\_\_  
Paige \_\_\_\_\_

Peery \_\_\_\_\_  
Prengaman \_\_\_\_\_  
Weiss \_\_\_\_\_

COMMENTS: \_\_\_\_\_

PERMIT/APPLICATION NO. \_\_\_\_\_  
ZONING DISTRICT \_\_\_\_\_  
MAGISTERIAL DISTRICT \_\_\_\_\_  
DATE SUBMITTED \_\_\_\_\_

**County of Prince Edward**

PLEASE PRINT OR TYPE

**PRINCE EDWARD COUNTY APPLICATION  
FOR SPECIAL USE PERMIT**

TO: PRINCE EDWARD COUNTY PLANNING COMMISSION SPECIAL EXCEPTION REQUESTED:  
VIA: ZONING ADMINISTRATOR

The undersigned owner of the following described property hereby applies for a Special Use permit as provided in Section 5-124 of Article V, Site Plan requirements are found in Section 4-100 of Article IV Development Standards of the Zoning Ordinance of Prince Edward County, Virginia.

Applicant's Name: Jonathan Yates for Arcola Towers  
Applicant's Address: 105 Broad Street, Third Floor, Charleston, SC 29401  
Applicant's Telephone Number: (843) 414-9754

Present Land Use: I1 - General Industrial

Legal Description of Property with Deed Book and Page No. or Instrument No. Please see Exhibit "12" and "13" in the attached narrative.

Tax Map # 023B 2 2

Acreage: 4.682

Narrative statement evaluating effects on adjoining properties (noise, odor, dust, fumes, etc.): (Attach additional sheet if necessary.) Please see attached project narrative.

Statement of general compatibility with adjacent and other properties in the zoning district. (Attach additional sheet if necessary.) Please see attached project narrative.

Height of Principal Building (s): Feet 197 Stories N/A

APPLICANT'S STATEMENT: (if not owner(s) of property):

I hereby certify that I have the authority to make the foregoing application, that the information given is complete and correct to the best of my knowledge, and that development and/or construction will conform with the regulations as set forth in the Prince Edward County Zoning Ordinance as written and also with the description contained in this permit application.

Signature of Applicant (if not property owner) \_\_\_\_\_

Date \_\_\_\_\_

PROPERTY OWNER(S) STATEMENT:

I hereby certify that I/we own the above described property, that the information given is complete and correct to the best of my knowledge, and the above person(s), group, corporation, or agent has the full and complete permission of the undersigned owner(s) to make application for a Conditional Use permit as set forth in the Prince Edward County Zoning Ordinance as written.

Signature of Property Owner(s) \_\_\_\_\_

Date \_\_\_\_\_

Signature of Property Owner(s) \_\_\_\_\_

Date \_\_\_\_\_

Signature of Property Owner(s) \_\_\_\_\_

Date \_\_\_\_\_

NOTE: THIS PERMIT APPLICATION IS NOT VALID UNLESS ALL PROPERTY OWNER(S) SIGNATURES ARE AFFIXED AND DATED. ATTACH ADDITIONAL SHEETS IF NECESSARY.

Application Fee **\$300.00**

Fee Received by \_\_\_\_\_

Date \_\_\_\_\_

The above mentioned application charges are nonrefundable, regardless of whether the permit application is approved or denied once submitted.

All checks for payment should be made payable to: **Treasurer, Prince Edward County, Virginia.**

Mail to: Department of Planning &  
Community Development  
P. O. Box 382  
Farmville, VA 23901  
(434) 392-8837

# HELLMAN YATES

JONATHAN L. YATES  
DIRECT VOICE 843 414-9754  
JLY@HELLMANYATES.COM

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145 KING STREET, SUITE 102  
CHARLESTON, SOUTH CAROLINA 29401  
V 843 266-8089  
F 843 266-9188

July 3, 2025

## VIA FEDERAL EXPRESS

Robert Love  
Director of Planning and Community Development  
111 N. South Street, 3<sup>rd</sup> Floor  
Farmville, VA 23901  
(434) 414-3037

Re: Application for construction of a 197-foot self-support wireless telecommunications facility located at 85 SMI Way, Farmville, VA 23901 (Parcel ID #023B 2 2) on behalf of Arcola Towers and Verizon Wireless.

Dear Mr. Love,

Enclosed, please find the application of Arcola Towers and Verizon Wireless for a proposed 197-foot self-support wireless telecommunications facility. The proposed facility will be on the property of James W. Ailsworth, which is located at 85 SMI Way, Farmville, VA 23901 and is designated as Prince Edward County Parcel ID number 023B 2 2. This is a very important facility to allow Verizon Wireless to improve its coverage for both voice and advanced data in this section of Prince Edward County.

We have taken the liberty of recasting the relevant sections of the Prince Edward County Zoning Ordinance, with our answer to the relevant section in bold beneath. As will be evident from a review of the attached, Arcola and Verizon Wireless have not only met, but exceed, all of the necessary requirements for approval under the Prince Edward County Zoning Ordinance.

### *Towers*

- (A) *Intent:* These minimum standards are intended to govern the location of all towers and the installation of antennas and accessory equipment structures.

**Applicant accepts and acknowledges this provision.**

- (B) Towers, with related unmanned equipment buildings, shall be permitted only by special use permit in zoning districts as specified in article II, District

Regulations. Applicants are encouraged to consider properties owned by the county when locating towers.

**Please see the Site Plan and Drawing by Virginia Professional Engineer Stuart P. Patterson attached hereto as Exhibit "1" and incorporated herein by reference. The Ailsworth property is located in the I1 (general industrial) zoning district.**

*(C) General standards:*

1. No tower or related facilities shall be located within 500 feet of any residential district.

**The proposed self-support facility is not located within 500 ft. of any residential district, as shown on Sheet Z-1 of the Site Plan and Drawings in Exhibit "1". All surrounding properties are zoned I1 and are for business, commercial, or municipal use. The nearest residential district to the compound is 1712 ft to the southwest.**

2. No new tower shall be permitted unless the applicant demonstrates to the reasonable satisfaction of the board of supervisors that no existing tower or structure can accommodate the proposed antenna. Evidence submitted to demonstrate that no existing tower or structure can accommodate the applicant's proposed antenna may consist of any of the following:
  - a. No existing towers or structures are located within the geographic area required to meet the applicant's engineering requirements.
  - b. Existing towers or structures are not of sufficient height to meet the applicant's engineering requirements.
  - c. Existing towers or structures are not of sufficient structural strength to support the applicant's proposed antenna or related equipment.
  - d. The applicant's proposed antenna would cause electromagnetic interference with existing antenna, or the antenna on the existing

towers, or structures would cause interference with the applicants proposed antenna.

- e. The applicant demonstrates that there are other limiting factors that render existing towers or structures unsuitable.

**As shown on Sheet Z-1 of Exhibit "1", the nearest tower is 195-foot Crown monopole 1.3 miles to the southeast. Please see the Alternative Candidate Analysis by Ryan Foltz of Arcola Towers attached hereto as Exhibit "2" and incorporated herein by reference. The existing Crown tower will not allow Verizon to provide the necessary coverage in this area of Prince Edward County.**

- 3. No tower shall exceed 199 feet in height, including antennas.

**As shown on Sheet SP-3 of Exhibit "1", the proposed self-support facility is 197 ft tall with a 2 ft appurtenance for a total height of 199 ft.**

- 4. Towers shall either maintain a galvanized steel finish or, subject to any applicable standards of the FCC or FAA, be painted a neutral color.

**As shown on Sheet SP-3 of Exhibit "1", the proposed self-support facility will have a galvanized steel finish.**

- 5. At any tower site, the design of the buildings and related structures shall use materials, colors, textures, screening, and landscaping that will blend the facilities to the natural setting and the built environment. The related unmanned equipment structure shall not contain more than 750 square feet of gross floor area or be more than 12 feet in height, and shall be located in accordance with the requirements of the zoning district in which located.

**Applicant accepts and acknowledges this provision. The proposed self-support facility and the related structures will blend in with the natural setting and environment.**

- 6. Towers shall not be artificially lighted, unless required by the FCC or FAA. If lighting is required, the board of supervisors may review the available lighting alternatives and approve the design that would cause the least disturbances to surrounding views.

**Due to the structure's de minimis height, the FAA will not likely require illumination of the proposed facility. In addition, please see the Airspace Analysis by Ken Patterson Airspace Consulting attached hereto as Exhibit "3" and incorporated herein by reference.**

7. All towers must meet or exceed current standards and regulations of the FAA, the FCC, and any other agency of the federal government with the authority to regulate towers. If such standards and regulations are changed, then the owners of the tower governed by this section shall bring such structures into compliance with such revised standards as required by above named agencies. Failure to bring a tower into compliance with such revised standards and regulations as required by above named agencies shall constitute grounds for the revocation of the special use permit, and removal of the tower at the owner's expense.

**Please see the FCC Form 854 attached hereto as Exhibit "4" and incorporated herein by reference. The proposed self-support facility complies with all federal standards and regulations.**

8. The owner of any tower shall ensure that it is constructed and maintained in compliance with standards contained in applicable federal, state, and local building codes and regulations.

**Applicant accepts and acknowledges this provision.**

9. Each applicant requesting a special use permit for a new tower shall submit two copies of a scaled site plan and a scaled elevation view and other supporting drawing, calculations, and other documentation, signed and sealed by appropriate licensed professionals, showing the location and dimensions of all improvements, including information concerning topography, radio frequency coverage, height requirements, setbacks, drives, parking, fencing, landscaping, easements, adjacent uses, and any other information deemed necessary by the county to assess compliance with the regulations of this ordinance.

Additionally, the applicant shall provide actual photographs of the site from designated relevant views that include a simulated photographic image of the proposed monopole or tower. The photograph with the simulated image shall include the foreground, the mid-ground, and the background of the site.

**Please see the Site Plans and Drawings in Exhibit "1"; the Existing Site Photos are attached hereto as Exhibit "5" and incorporated herein by reference; and the Photo Simulations attached hereto as Exhibit "6" and incorporated herein by reference.**

10. An engineering report, certifying that the proposed tower and site are compatible for co-location with a minimum of three similar users including the primary user, must accompany the application. The applicant shall provide copies of their co-location policy.

**As shown on Sheet SP-3 of Exhibit "1" and the Structural Design Report by Virginia Professional Engineer Robert E. Beacom attached hereto as Exhibit "7" and incorporated herein by reference, the proposed self-support facility has been designed for Verizon Wireless and at least three additional users. In addition, please see the Collocation Policy letter from Ryan Foltz of Arcola Towers attached hereto as Exhibit "8" and incorporated herein by reference.**

11. Local government access. Owners of towers shall provide the county co-location opportunities without compensation as a community benefit to improve radio communications for county departments and emergency services, provided it does not conflict with the co-location requirements of this section.

**Applicant accepts and acknowledges this provision.**

12. In addition to any reasonable application fees established by board of supervisors, the applicant shall be financially responsible for the cost of any professional engineering and or related services that may be procured by the county to independently verify the application information submitted by the applicant.

**Applicant accepts and acknowledges this provision.**

13. Towers, guys, and accessory facilities must satisfy the minimum zoning district setback requirements for primary structures.

**Please see Sheet Z-1 of Exhibit "1". The proposed self-support facility easily meets the I1 district setback requirements of 50 ft to the front, sides, and rear. The proposed compound setbacks are as follows: 214.2' from SMI Way, 236.5' from Fire Training Way, 213.0' from Unimproved Road, and 237.5' to the rear.**

14. Towers shall be enclosed by security fencing not less than six feet high and shall be equipped with an appropriate anti-climbing device.

**Please see Sheets SP-2 and C-3 of Exhibit "1". The 60 ft. by 60 ft. compound will be secured by a 7 ft. fence topped with three strands of barbed wire as an anti-climbing device, for a total height of 8 ft.**

15. Tower facilities shall be landscaped with a buffer of plant materials that effectively screens the view of the support buildings from adjacent property. The standard buffer shall consist of a landscaping strip of at least four feet wide outside the perimeter of the compound. Existing mature tree growth and natural land form on the site shall be preserved to the maximum extent possible.

**As shown in a note on Sheet Z-1 of Exhibit "1", landscaping is not proposed due to the existing trees and shrubs that will effectively screen and reduce any visual impact of the proposed facility. In addition, please see the Site Photos in Exhibit "5".**

16. Any tower that is not operational for a continuous period of 90 days shall be considered abandoned, and the owner of such tower shall remove same within 90 days of receipt of notice from the building official or county administrator notifying the owner of such removal requirement. Removal includes the removal of the tower, all subterranean tower and fence footers, underground cables and support buildings. The buildings may remain with the approval of the landowner. If there are two or more users of a single tower, then this provision shall not become effective until all users cease using the tower. If the tower is not removed per this section, the county may require the landowner to have it removed. In all cases, the site shall be returned as closely as possible to its original conditions.

**Applicant accepts and acknowledges this provision. Please see the Tower Removal Letter by Ryan Foltz of Arcola Towers attached hereto as Exhibit "9" and incorporated herein by reference.**

17. Every applicant for a special use permit for a tower shall, as a condition for the issuance of the special use permit, file with the building official a continuing bond in the penal sum of not less than \$10,000.00 and conditioned for the faithful observance of the provisions of this ordinance and all amendments thereto, and of all the laws and ordinances relating to towers, and which shall indemnify and save harmless the county from any and all damages, judgments, costs, or expenses which the county may incur by reason of the removal or the causing to be removed any tower as provided for in this section.

**Applicant accepts and acknowledges this provision. The \$10,000 bond will be provided with our application for a building permit. Please see the Indemnification Letter by Ryan Foltz of Arcola Towers attached hereto as Exhibit "10" and incorporated herein by reference.**

In support of our application, we have also included the Legal Description and Recorded Deed attached hereto as Exhibit "11" and incorporated herein by reference and the Recorded Memorandum of Agreement attached hereto as Exhibit "12" and incorporated herein by reference.

Upon review, please let us know if we can provide any additional information or materials in support of our application. I can be reached at (843) 414-9754 or (843) 813-0103.

Thank you so much for all your help with this.

With warmest regards, I am

Very truly yours,

A handwritten signature in blue ink, appearing to read "Jonathan L. Yates". The signature is fluid and cursive, with the first name "Jonathan" and last name "Yates" clearly legible.

Jonathan L. Yates

## **Exhibit “1”**



SITE INFO:  
**FARMVILLE GROVE**  
  
85 SMI WAY  
FARMVILLE, VA  
23901

|                               |            |
|-------------------------------|------------|
| DESIGN:                       | SPP        |
| DRAWN:                        | MAA        |
| REVIEW:                       | SPP        |
| TTY DATE:                     | 12/13/2024 |
| COMM. NO.:                    | -          |
| SUBMITTALS                    | DATE       |
| 1 PRELIMINARY ZONING DRAWINGS | 7/7/23     |

SHEET NAME:  
**COVER SHEET**  
  
SHEET NO.:  
**T-1**

# FARMVILLE GROVE

## 85 SMI WAY

## FARMVILLE, VA 23901

PROJECT DESCRIPTION  
INSTALLATION OF NEW 197' SELF-SUPPORT TOWER AND FENCED COMPOUND WITHIN A RAWLAND LEASE AREA



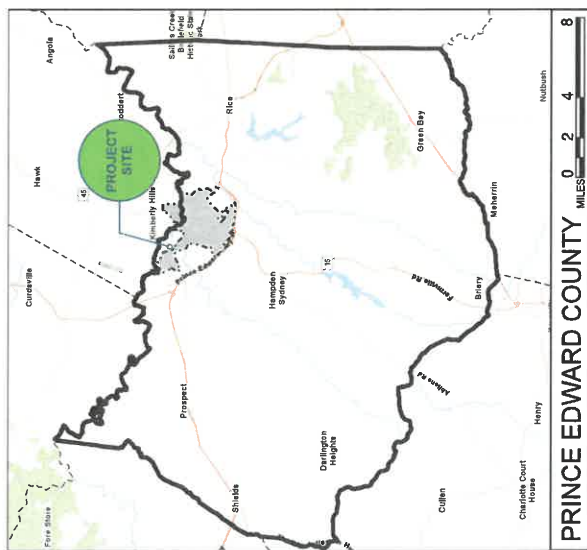
| SUBMITTALS | SUB. NO. | DESCRIPTION                 | BY  | DATE   |
|------------|----------|-----------------------------|-----|--------|
|            | 1        | PRELIMINARY ZONING DRAWINGS | SPP | 5/7/25 |

| PROJECT TEAM | APPLICANT INFORMATION:                                                  |
|--------------|-------------------------------------------------------------------------|
|              | ARCOLA TOWERS<br>112 W WASHINGTON ST, SUITE 201<br>MIDDLEBURG, VA 20117 |
|              | APPLICANT: RYAN FOLTZ<br>PHONE NUMBER: (443) 753-1903                   |
|              | REAL ESTATE: SEAN CAI<br>PHONE NUMBER: (540) 793-8610                   |
|              | ZONING: SEAN CAI<br>PHONE NUMBER: (540) 793-8610                        |
|              | CONSTRUCTION: JON BOLTON<br>PHONE NUMBER: (571) 221-7351                |
|              | UTILITIES: JON BOLTON<br>PHONE NUMBER: (571) 221-7351                   |
|              | ENGINEER: STUART PATTERSON<br>PHONE NUMBER: (703) 328-6574              |

| DRAWING INDEX | Sheet Title                        |
|---------------|------------------------------------|
| GENERAL       | COVER SHEET                        |
| T-1           | COVER SHEET                        |
| SITE PLAN     | PARCEL PLAN                        |
| Z-1           | SITE PLAN                          |
| SP-1          | ENLARGED SITE PLAN                 |
| SP-2          | ELEVATION                          |
| SP-3          | ELEVATION                          |
| CIVIL         | CONCRETE AND CONDUIT LAYOUT PLAN   |
| C-1           | CONCRETE CONSTRUCTION DETAILS      |
| C-2           | COMPOUND FENCE DETAILS             |
| C-3           | MISCELLANEOUS CONSTRUCTION DETAILS |
| C-4           | ACCESS AND PARKING DETAILS         |
| C-5           | SIGNAGE DETAILS                    |

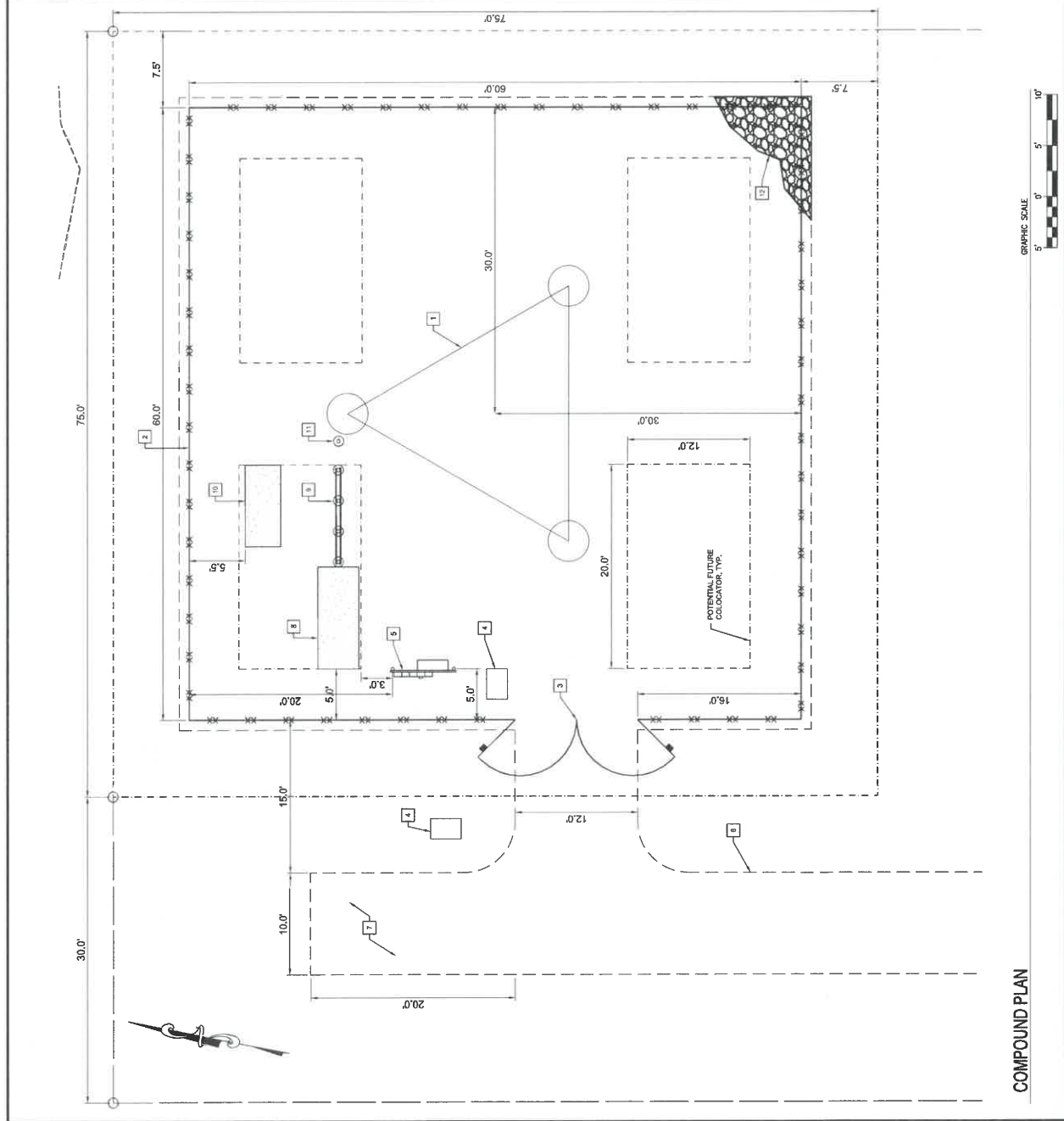
| PROJECT SUMMARY | TOWER FACILITY OWNER:                                                                                                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | ARCOLA TOWERS<br>112 W WASHINGTON ST, SUITE 201<br>MIDDLEBURG, VA 20117<br>PH: (571) 855-3560                                                                                                                                                                    |
|                 | PROPERTY OWNER:<br>JAMES W. ALWORTH<br>121 N MAIN ST<br>FARMVILLE, VA 23901<br>PH: (800) 826-2355                                                                                                                                                                |
|                 | UTILITIES INFORMATION:<br>POWER: VERIZON ENERGY<br>FARMVILLE, VA 23901<br>TELEPHONE: VERIZON<br>(800) 826-2355                                                                                                                                                   |
|                 | PROJECT DATA:<br>PARCEL JOB<br>ACREAGE<br>JURISDICTION<br>PRINCE EDWARD CO.                                                                                                                                                                                      |
|                 | SITE TYPE<br>SELF-SUPPORT TOWER                                                                                                                                                                                                                                  |
|                 | STRUCTURE HEIGHT<br>197' (TOP OF LIGHTNING ROD)<br>LEASE AREA<br>75' X 75'                                                                                                                                                                                       |
|                 | FMA 1A GEOGRAPHIC COORDINATES:<br>LATITUDE: 37° 15' 54.36" N (NAD 83)<br>LONGITUDE: 78° 25' 13.08" W (NAD 83)<br>ELEVATION: 331.4' AMSL<br>ADA COMPLIANCE:<br>FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. SITE WILL NOT BE SERVED BY CITY SEWER OR WATER. |

| CONSULTING TEAM | ENGINEERS:                                                                                                                              |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                 | BAMMAN CONSULTING, LLC<br>1449 ST ANDREWS LN<br>ASHLAND, VA 23005<br>CONTACT:<br>STUART PATTERSON, PE<br>(703) 328-6574                 |
|                 | SURVEY:<br>LENNING LAND SURVEYING<br>2128 LEWISTON PLANK ROAD<br>BURKEVILLE, VA 23822<br>CONTACT:<br>TODD LENNING, LS<br>(434) 787-5940 |









## GENERAL NOTES

1. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. PROPOSED UTILITIES INSIDE THE CONSTRUCTION, PROPOSED UTILITIES INSIDE THE SHALL BE BACKFILLED AND COMPACTED IN 6" LIFTS WITH DETECTABLE WARNING TAP WITHIN BACKFILLED NATIVE MATERIAL TO THE SAME DEPTH AND ONE SHALL BE RESTORED TO EXISTING CONDITIONS.
2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD WITH THE LATEST EDITION OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCHI) BEFORE LAND DISTURBANCE FOR CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THE "ARE" FUNCTIONING AS INDICATED.
3. THE STOCKPILING OF EXCESS MATERIAL ON SITE WILL NOT BE ALLOWED. CONTRACTOR SHALL CONSIDER TO RELOCATION OF EXCESS SOIL WITH THE LANDLORD.
4. ANY VEGETATED AREA DISTURBED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SEED AND ESTABLISH A PERMANENT VEGETATIVE COVER.
5. THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
6. THE CONTRACTOR IS RESPONSIBLE FOR SITE SET-UP AND CONSTRUCTION STAKING. LOCATION OF EXISTING STRUCTURES AND UTILITIES MUST BE CONFIRMED BY THE CONTRACTOR.
7. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.

## LEASE NOTES

1. 75' x 75' LEASE AREA.
2. 30' WIDE INGRESS/EGRESS AND UTILITY/FIBER EASEMENT.

## # CONSTRUCTION NOTES

1. NEW SELF-SUPPORT TOWER. SEE SHEET SP-3.
2. 60' x 80' CHAIN LINK FENCE. SEE COMPOUND FENCE DETAIL SHEET.
3. 12" WIDE DOUBLE ACCESS GATE. SEE COMPOUND FENCE DETAIL SHEET.
4. FIBER HANDBOLE. SEE MISCELLANEOUS CONSTRUCTION DETAILS SHEET.
5. 8FT H-FRAME. SEE MISCELLANEOUS CONSTRUCTION DETAILS SHEET.
6. 10' WIDE GRAVEL ACCESS ROAD. SEE ACCESS AND PARKING DETAILS SHEET.
7. GRAVEL TURN-AROUND AND PARKING AREA. SEE ACCESS AND PARKING DETAILS SHEET.
8. 4' x 10' CONCRETE PAD FOR FUTURE EQUIPMENT CABINETS. SEE CONCRETE CONSTRUCTION DETAILS SHEET.
9. 10' HIGH x 10' LONG EQUIPMENT STAND FOR FUTURE EQUIPMENT. SEE CONCRETE CONSTRUCTION DETAILS SHEET.
10. 3.5' x 8' CONCRETE PAD FOR FUTURE GENERATOR. SEE CONCRETE CONSTRUCTION DETAILS SHEET.
11. ICE BRIDGE POST(S). SEE CONCRETE CONSTRUCTION DETAILS SHEET.
12. GRAVEL COMPOUND.

[illegible]

SHEET NAME:

ENLARGED SITE  
PLAN

SHEET NO.:

**S-P-2**



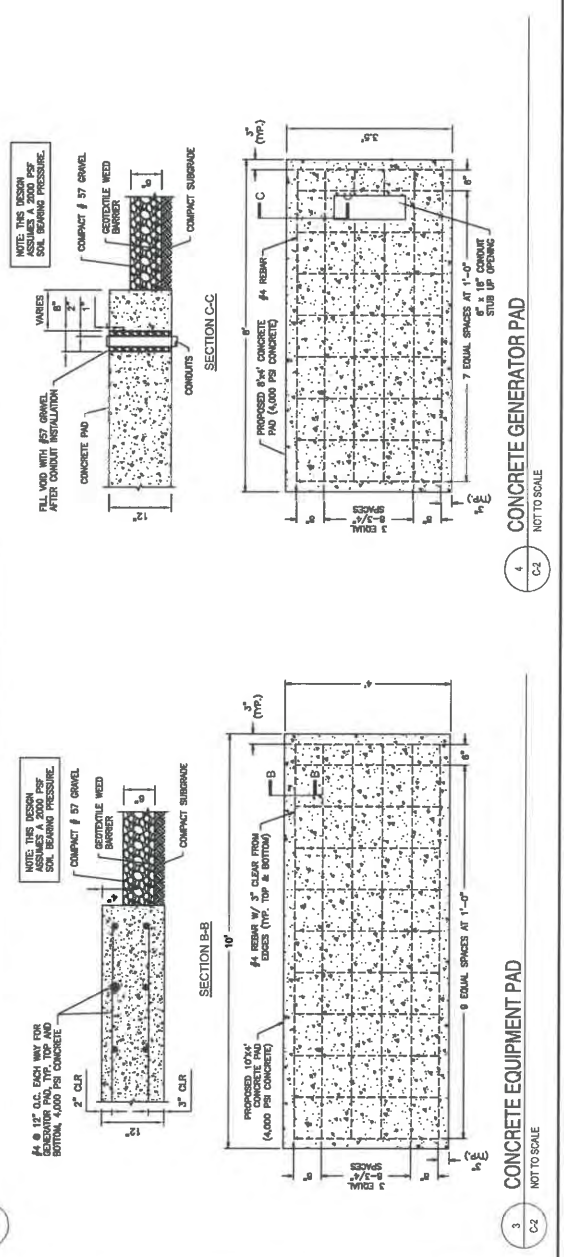
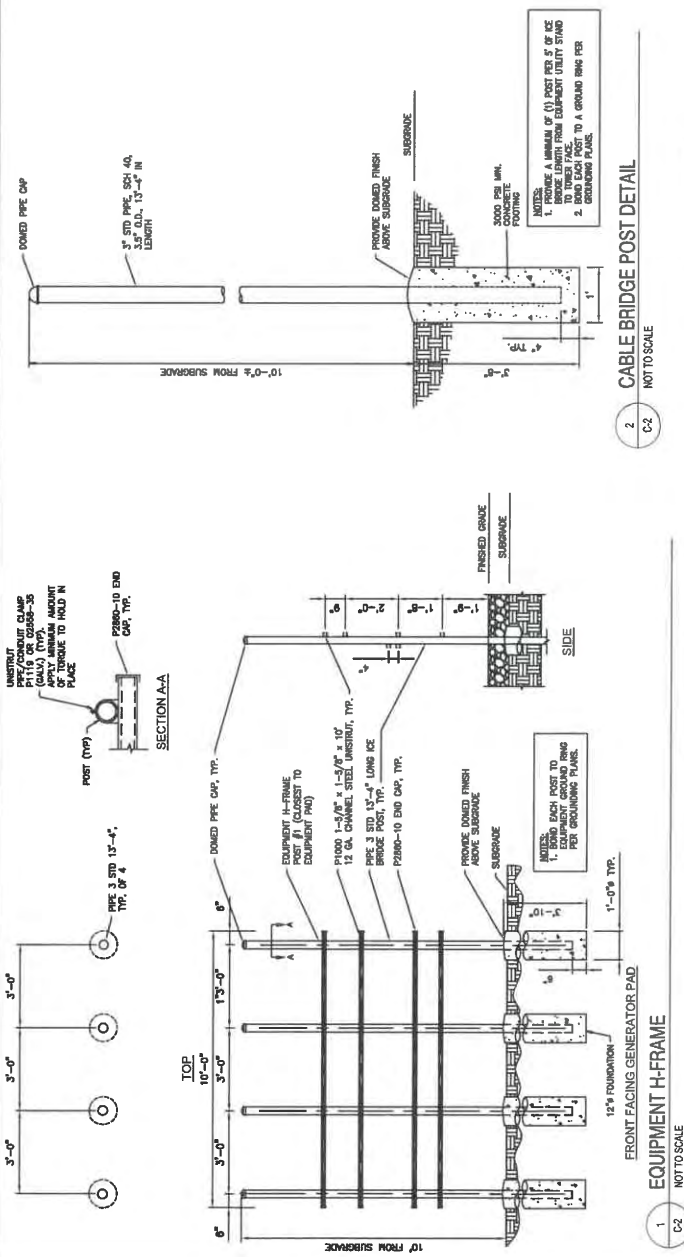
**SITE INFO:**  
**FARMVILLE**  
**GROVE**

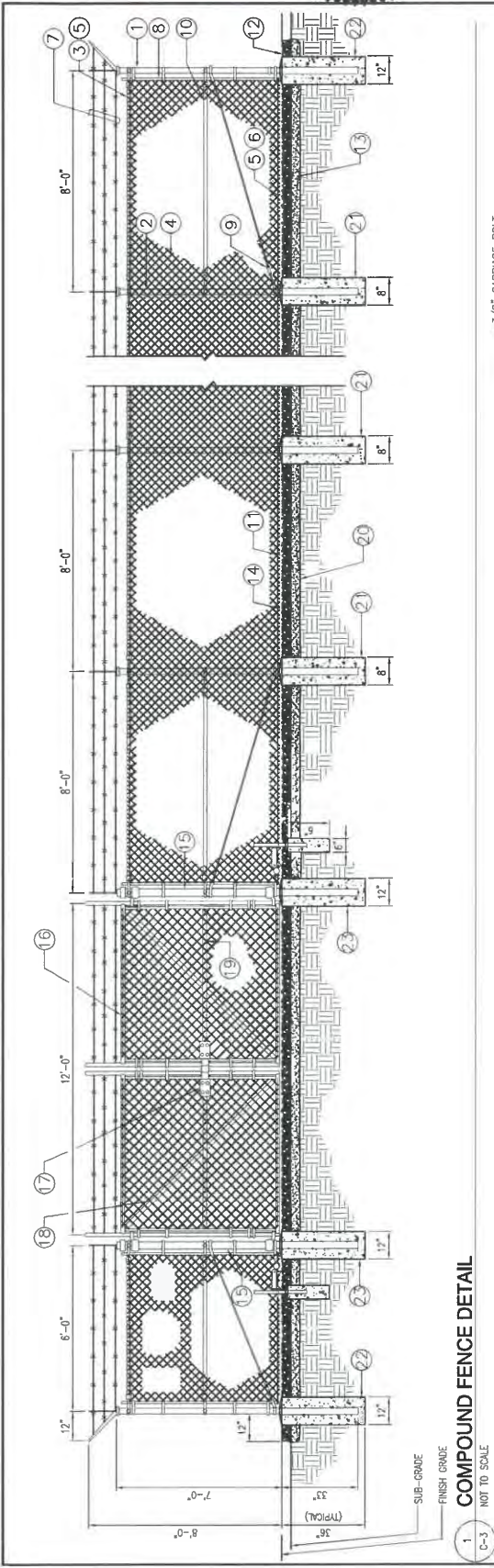
85 SMI WAY  
FARMVILLE, VA  
23901





- CONCRETE GENERAL NOTES**
- ALL CONCRETE WORK SHALL CONFORM TO ACI 308, BUILDING CODE REQUIREMENTS, AND TO THE PROJECT SPECIFICATIONS.
  - ALL CONCRETE IS TO BE NORMAL DENSITY CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI. MAXIMUM ALLOWABLE SLAB THICKNESS SHALL BE 12" UNLESS OTHERWISE NOTED.
  - PROVIDE AIR ENTRAINMENT OF 4 TO 6 PERCENT IN ALL EXPOSED CONCRETE. ENTRAINMENT SHALL BE OBTAINED BY MEANS OF AN AIR-ENTRAINMENT CONTENT OF 3 PERCENT.
  - NO HOLES OR SLEEVES SHALL BE MADE THROUGH CONCRETE WORK WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
  - ALL FORMWORK OFFSET TOLERANCES (PER ACI 117) TO BE CLASS A.
  - FLOOR SLAB TOLERANCES TO ASTM E1155, RECORDED ORIGINAL MINIMUM VALUE OF FLATNESS F-225 WITH LOCAL MINIMUM F-112, AND MAXIMUM CURVATURE C-112, SHALL BE MAINTAINED FOR 72 HOURS OF SLAB CONSTRUCTION.
  - CHARTER ON SLAB OF APPLICABLE, ALLOWABLE CAPACITY OF CONCRETE USED IN DESIGN MIN. 4000 PSI.
- EXEMPTION NOTES:**
- DESIGN INFORMATION AND GENERAL REQUIREMENTS
  - DESIGN CODES
  - DESIGN CONFORMS TO INTERNATIONAL BUILDING CODE 2015.
  - AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318-19.
  - EXEMPTIONS
  - FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON UNDISTURBED NATURAL SOILS. FOUNDATIONS SHALL BE CONSTRUCTED TO SUPPORT A NOT ALLOWABLE BEARING CAPACITY OF 2000 PSF. FOUNDATION CONDITIONS SHALL BE UNACCEPTABLE AT ELEVATIONS BACKFILLED WITH LEAN CONCRETE TO BE MAINTAINED AT THE DIRECTION OF THE ENGINEER.
  - DESIGN, FINISH AND INSTALL ALL TEMPORARY SKELETON, SHORING AND DAMAGE NECESSARY TO MAINTAIN THE FOUNDATION AND EXISTING STRUCTURE THROUGHOUT CONSTRUCTION.
  - THE ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ALL FOUNDATIONS PRIOR TO PLACING ANY CONCRETE.
  - CONCRETE
  - FORMWORK
  - CONCRETE SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR ALL CONCRETE" ACI 308-19.
  - FORMWORK SHALL CONFORM TO ACI 308.1 "SPECIFICATIONS FOR FORMWORK CONCRETE FOR BUILDINGS."
  - REINFORCEMENT
  - REINFORCEMENT SHALL BE 40% GRADE 60, WELDED WIRE ASTM A655 (FLAT SHEET), LAPPED 40 BAR DIAMETERS UNLESS NOTED. BARS SHALL BE LAPPED IN ACCORDANCE WITH ACI 308.5. ALL LAPS SHALL BE 12 BAR DIAMETERS.
  - CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS:  
UNEXPOSED: 3"  
EXPOSED: 4"  
FOOTINGS & SLABS CAST AGAINST GROUND OR WEATHER AT GRADE: 3"  
AT BARS 95 OR LESS: 1-1/2"  
CONCRETE TO BE EXPOSED TO GROUND OR WEATHER: 1-1/2"  
SLABS & WALLS: 3/4"
  - CAST-IN-PLACE CONCRETE
  - MINIMUM 28 DAY CYLINDER STRENGTH AND MAXIMUM SLUMP, PRIOR TO ADDITION OF SUPER PLASTICIZERS, AS FOLLOWS:  
CLASS I FOOTINGS: 4000  
CLASS II INTERIOR ELEVATED: 4000  
CLASS III INTERIOR ELEVATED: 4000  
CLASS IV OTHER WORK: 4000  
CLASS V LEAN CONCRETE FOR OVER 2000  
MINIMUM OF 2000  
N/A
  - MAX DESIGN TO BE IN ACCORDANCE WITH ACI 318, CHAPTER 5. NO CONCRETE SHALL BE PLACED OR COMPACTED UNLESS CHAIRS SHALL BE USED TO MAINTAIN COVER.
  - COURSE APPROPRIATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33 SIZE #57, COURSE APPROPRIATE FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C330 GRADED 3/4" TO 1/4".
  - COLD WEATHER PLACEMENT SHALL COMPLY WITH ACI 308.1
  - HOT WEATHER PLACEMENT SHALL COMPLY WITH ACI 308.1
  - CHAPER ALL EXPOSED JOINTS 3/4".
  - THE MAXIMUM TEMPERATURE OF ALL CONCRETE AT DELIVERY TO THE SITE SHALL BE NOT, TOTAL DELIVERY TIME SHALL BE LESS THAN 75 MINUTES.

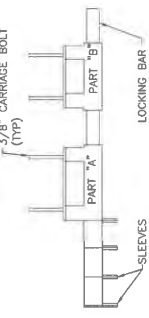




**COMPOUND FENCE DETAIL**

NOT TO SCALE

- REFERENCE NOTES:**
- CORNER END OR RAIL POST 3" NOMINAL SCHEDULE 40 PIPE
  - LINE POST: 2 1/2" SCHEDULE 40 PIPE, PER ASTM-F1083. LINE POSTS SHALL BE EQUALLY SPACED AT MAXIMUM 8'-0" OC
  - TOP RAIL & BRACE RAIL: 1 1/2" PIPE, PER ASTM-F1083.
  - FABRIC: 9 GA CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.
  - TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX. 24" INTERVALS.
  - TENSION WIRE: 9 GA GALVANIZED STEEL
  - BARBED WIRE: DOUBLE STRAND 12-1/2" OD TWISTED WIRE TO MATCH WITH FABRIC 14 GA. 4 POINT BARBS SPACED ON APPROXIMATELY 5" CENTERS.
  - STRETCHER BAR.
  - 3/8" DIAGONAL ROD WITH GALVANIZED STEEL TURNBUCKLE OR DIAGONAL THREADED ROD.
  - FENCE CORNER POST BRACE: 1 5/8" DIA EACH CORNER EACH WAY.
  - 1 1/2" MAXIMUM CLEARANCE FROM GRADE.
  - FINISH OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK.
  - 6" COMPACTED SIZE BASE MATERIAL OR AS DETERMINED BY CONSTRUCTION MANAGER DURING BID WALK.
  - FINISH GRADE SHALL BE UNIFORM AND LEVEL.
  - GATE POST 4" SCHEDULE 40 PIPE, PER GATE WIDTHS UP TO 8' 0" POST OR 14' 0" POST OR DOUBLE SWING GATE, PER ASTM-F1083.
  - GATE FRAME: 1 1/2" PIPE, PER ASTM-F1083.
  - GATE LOCKING DEVICE (GCL)
- GENERAL NOTES:**
- INSTALL FENCING PER ASTM F-567
  - INSTALL SWING GATES PER ASTM F- 900
  - LOCAL ORDINANCE OF BARBED WIRE PERMIT REQUIREMENT SHALL BE COMPLIED IF REQUIRED.
  - POST & GATE PIPE SIZES ARE INDUSTRY STANDARDS. ALL PIPE TO BE 1 1/2" GALV. (NOT DTP, ASTM A126 GRADE "A" STEEL). ALL GATE FRAMES SHALL BE WELDED. ALL POSTS SHALL BE SET IN BEDDED WITH (3) COATS OF COLD GALV. (OR EQUAL).
  - ALL OPEN POSTS SHALL HAVE END-CAPS.
  - USE GALVANIZED HOG-RING WIRE TO MOUNT ALL SIGNS.
  - ALL SIGNS MUST BE MOUNTED ON INSIDE OF FENCE FABRIC.



- DRILL 3/8" HOLES IN THE GATE LEAF USING THE GATE DIMENSIONS PROVIDED.
  - SLIDE THE CARRIAGE BOLTS IN THE SLOTS ON THE BACK OF PART "B" AND PUSH THE BOLTS THROUGH THE HOLES DRILLED INTO THE GATE FIGURE. PUT THE NUT AND THE LOCKWASHER ON AND TIGHTEN AND CUT THE EXCESS BOLT OFF. DO THE SAME WITH PART "A".
  - ADD THE NUMBER OF SLEEVES NEEDED FOR THE NUMBER OF LOCKS AND SLIDE THE LOCKING BAR INTO PLACE THROUGH BOTH PART "A" AND PART "B". NOW INSTALL THE LOCKS.
- \*IF THE GATE HAS NO CENTER BAR IN THE GATE LEAF YOU MAY NEED TO MOUNT THE STYMILOCK VERTICALLY USING THE SAME DIMENSIONS GIVEN ON THE GATE FACE.
- \*VERTICAL APPLICATION MAY ALSO BE USED ON SLIDING GATES WITH MULTIPLE LOCKS.

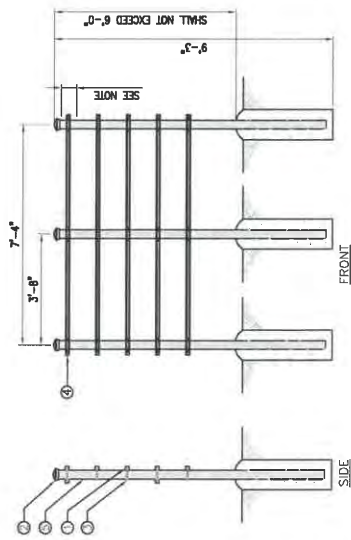
**STYMILOCK INSTALLATION**

NO SCALE

| ITEM # | DESCRIPTION                                |
|--------|--------------------------------------------|
| 1      | PT000T UNISTRUT, 1-5/8"x1-5/8"x8", SLOTTED |
| 2      | PIPE CAP FOR 3.5" OD PIPE, HOG             |
| 3      | U-BOLT KIT, 3.5" OD (1 U-BOLT)             |
| 4      | END CAP, 3.5" OD (1 EACH)                  |
| 5      | 3.5" OD PIPE, 111" LONG                    |

\*ALL ITEMS SHALL BE GALVANIZED OR STAINLESS STEEL

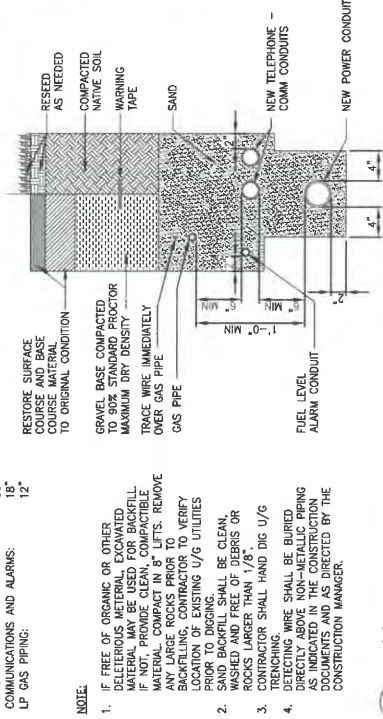
NOTE: CONTRACTOR SHALL MAINTAIN NEARBY UTILITY OF EQUIPMENT SPACED TO SATISFACTION.



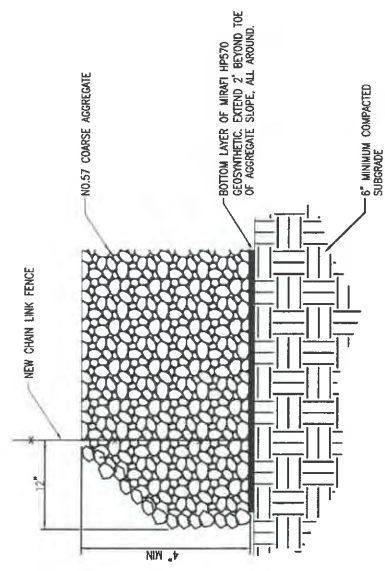
1 8FT H-FRAME INSTALLATION DETAIL  
NO SCALE

MINIMUM UTILITY DEPTHS:  
(ADDITIONAL DEPTH MAY BE REQUIRED TO MEET MINIMUM CLEARANCES FROM OTHER UTILITIES.)

POWER: 36"  
COMMUNICATIONS AND ALARMS: 18"  
LP GAS PIPING: 12"



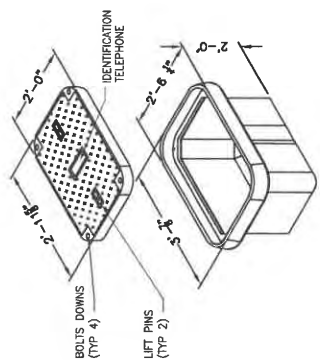
2 UTILITY TRENCH DETAIL  
NOT TO SCALE



3 GRAVEL COMPOUND DETAIL  
NOT TO SCALE

NOTES:

1. ALL STUB-UP CONDUITS INSIDE PULL BOXES WILL BE 6" FROM TOP OF BOX AND HAVE MULE TAPE AND CAPS.
2. EXCAVATION FOR HAND HOLE SHALL BE DONE BY HAND WITHIN FENCE COMPOUND.
3. INSTALLATION SHOULD BE LEVEL AND EVEN WITH SURROUNDING SURFACE AND NOT POSE A TRIP HAZARD.



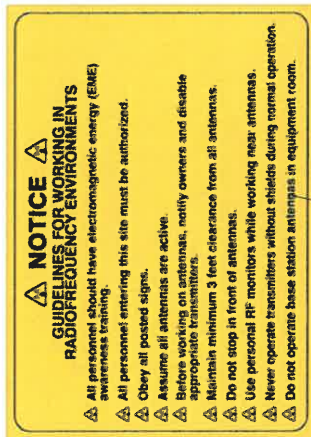
4 HAND- HOLE SECTION  
NOT TO SCALE



| TYPE                  | COLOR            | COLOR CODE PURPOSE                                                                                                                                                                                                                                                                             | SIGN TYPES | SIGN MOUNTING LOCATIONS |
|-----------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|
| RF NOTICE             | BLUE             | "NOTICE BEYOND THIS POINT RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. ONLY ALL INFORMATION AT THIS POINT MAY BE USED IN COMPLIANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(n)"                               |            | FENCE COMPOUND GATE     |
| RF CAUTION            | YELLOW           | "CAUTION BEYOND THIS POINT RF FIELDS BEYOND THIS POINT MAY EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. ONLY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN THE ENVIRONMENTAL, IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(n)" |            | BASE OF TOWER           |
| WARNING               | ORANGE/RED       | "WARNING BEYOND THIS POINT RF FIELDS AT THIS SITE EXCEED THE FCC GENERAL PUBLIC EXPOSURE LIMIT. ONLY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN THE ENVIRONMENTAL, IN ACCORDANCE WITH FEDERAL COMMUNICATIONS COMMISSION RULES ON RADIO FREQUENCY EMISSIONS 47 CFR-1.1307(n)"          |            | N/A                     |
| FACILITY CONTACT SIGN | BLUE/GREEN/WHITE | "INFORMATIONAL SIGN" TO NOTIFY OTHERS OF SITE OWNERSHIP AND CONTACT NUMBER.                                                                                                                                                                                                                    |            | FENCE COMPOUND GATE     |
| NO TRESPASSING        | BLACK/WHITE      | "NO TRESPASSING" NOTIFICATION THAT THE TOWER FACILITY IS NOT TO BE ACCESSSED BY THE PUBLIC.                                                                                                                                                                                                    |            | FENCE COMPOUND GATE     |
| RF NOTICE 2           | ORANGE/BLACK     | "NOTICE" PROVIDE GUIDELINES FOR ALL GUESTS WORKING WITHIN THE TOWER FACILITY AND ON THE TOWER.                                                                                                                                                                                                 |            | FENCE COMPOUND GATE     |

## NOTES:

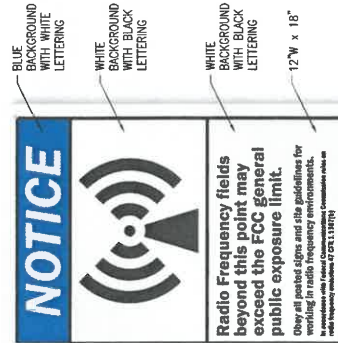
1. FOR ARCOLA TOWERS LOGO, SEE ARCOLA TOWERS DESIGN SPECIFICATIONS (PROVIDED BY ARCOLA TOWERS).
2. SITE ID SHALL BE APPLIED TO SIGNS USING "LASER ENGRAVING" ON ANY OTHER WEATHER RESISTANT METHOD (ARCOLA TOWERS APPROVAL REQUIRED).
3. TEXT FOR SIGNAGE SHALL INDICATE CORRECT SITE NAME AND NUMBER AS PER ARCOLA TOWERS CONSTRUCTION MANAGER RECOMMENDATIONS.
4. ALL SIGNS WILL BE SECURED WITH ZIP TIES ON STAINLESS STEEL TIE-SCREWS.



ORANGE BACKGROUND  
WITH BLACK LETTERING  
12"W x 18"H

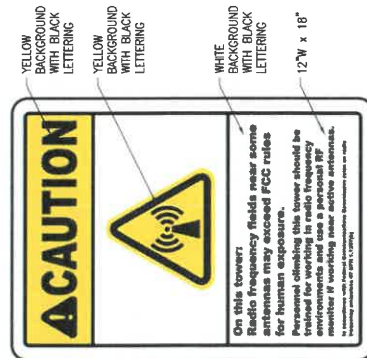
RF NOTICE SIGN 2

NO SCALE



RF NOTICE SIGN

NO SCALE



RF CAUTION SIGN

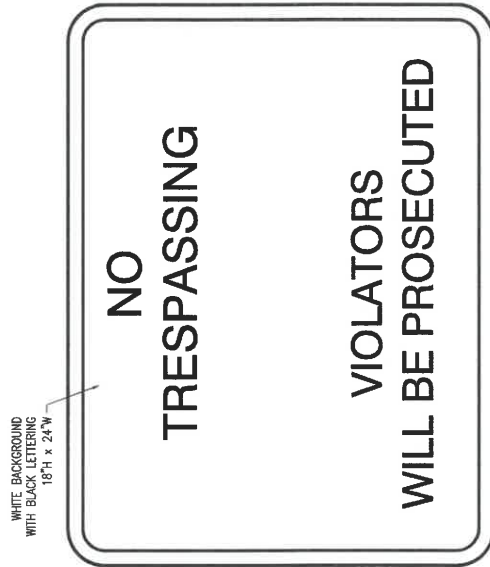
NO SCALE

|                                                                                                                                    |                                                                                                                                                                       |                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  <p>14408 ST ANDREWS LN<br/>ASHLAND, VA 23005</p> |  <p>arcola<br/>TOWERS</p> <p>112 W WASHINGTON ST., #201<br/>MIDDLEBURG, VA 20117</p> |  |
|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|

[illegible]

FACILITY CONTACT SIGN

NO SCALE



**NO TRESPASSING SIGN**

NO SCALE

## **Exhibit “2”**



## **Arcola Towers: Farmville Grove**

### **Alternative Candidate Analysis**

Arcola Towers submits this document to address alternative candidates it considered during its selection process. Verizon has a specific search ring in an area along Route 15 in Prince Edward County, on the border of the Town of Farmville. Verizon has requested an antenna centerline of 192 ft.

### **Existing Structures in the Search Ring**

Arcola Towers was able to confirm that there are no existing structures within the search ring that would work for Verizon. The power utility line towers a mile to the North are only 80 ft tall and do not have the structural capacity for Verizon. There are no other structures at 192 ft. in height within the specified search ring, nor a reasonable distance outside of the search ring. Arcola Towers utilized existing databases (Tower Source, etc), to determine the existence of nearby towers while confirming that information via driving in and around the search ring area.



## Existing Structures outside of the Search Ring



Arcola Towers then located the nearest existing tower locations as shown on the attached map in a 1-mile radius:

This map illustrates a 1-mile radius from the proposed search ring center, and as shown on the map, there are no existing towers except for the utility tower to the North. The closest tower is 1.3 miles to the Southeast of the search ring. This existing Crown Tower, being 1.3 Miles to the Southeast, was too far east for the network.

## Conclusion

As noted above, there are no existing structures within the search area that would work for Verizon, and as noted above, the closest existing tower to the Search Ring Center is a 195' Crown Castle Monopole site that is 1.3 miles away and too far to cover Verizon's intended coverage area. Arcola has leased a property from a willing landlord whose property will be developed in accordance with Prince Edward County regulations.

**I certify that the foregoing is true and correct:**

Ryan Foltz

Ryan Foltz on behalf of Arcola Towers

## **Exhibit “3”**

**Ken Patterson**  
**Airspace Consulting, Inc.**  
[www.airspace-ken.com](http://www.airspace-ken.com)

Site ID: Farmville Grove

June 12, 2025

To Whom It May Concern:

On June 12, 2025, I personally conducted an evaluation of a proposed telecommunications site for Arcola Towers. The study was to determine if the proposed structure would create any adverse effect on navigable airspace. The site is located near Farmville, Virginia at 37° 18' 54.26" North and 78° 25' 13.09" West (NAD 83). The site elevation is 332' above mean sea level (AMSL). The proposed structure height is 199' above ground level (AGL) or 531' AMSL. Part 77 of the Federal Air Regulations and Part 17 of the FCC Rules and Regulations were used as the primary reference for this evaluation.

The closest public use or DOD landing surface is Runway 03 at Farmville Regional Airport. The distance to the runway is 2.41 nautical miles on a true bearing of 156.41° from the runway.

The proposed 199' AGL (531' AMSL) structure would not exceed any FAR Part 77 or FCC Part 17 notice requirement and, therefore, notice to the FAA is not required for this structure. If filed, the 199' AGL structure should be approved by the FAA.

Normally, structures that do not require notice to the FAA do not require marking and/or lighting. Private use landing facilities and AM broadcast stations are not a factor for this study.

For additional information or questions about this study, contact my office anytime.

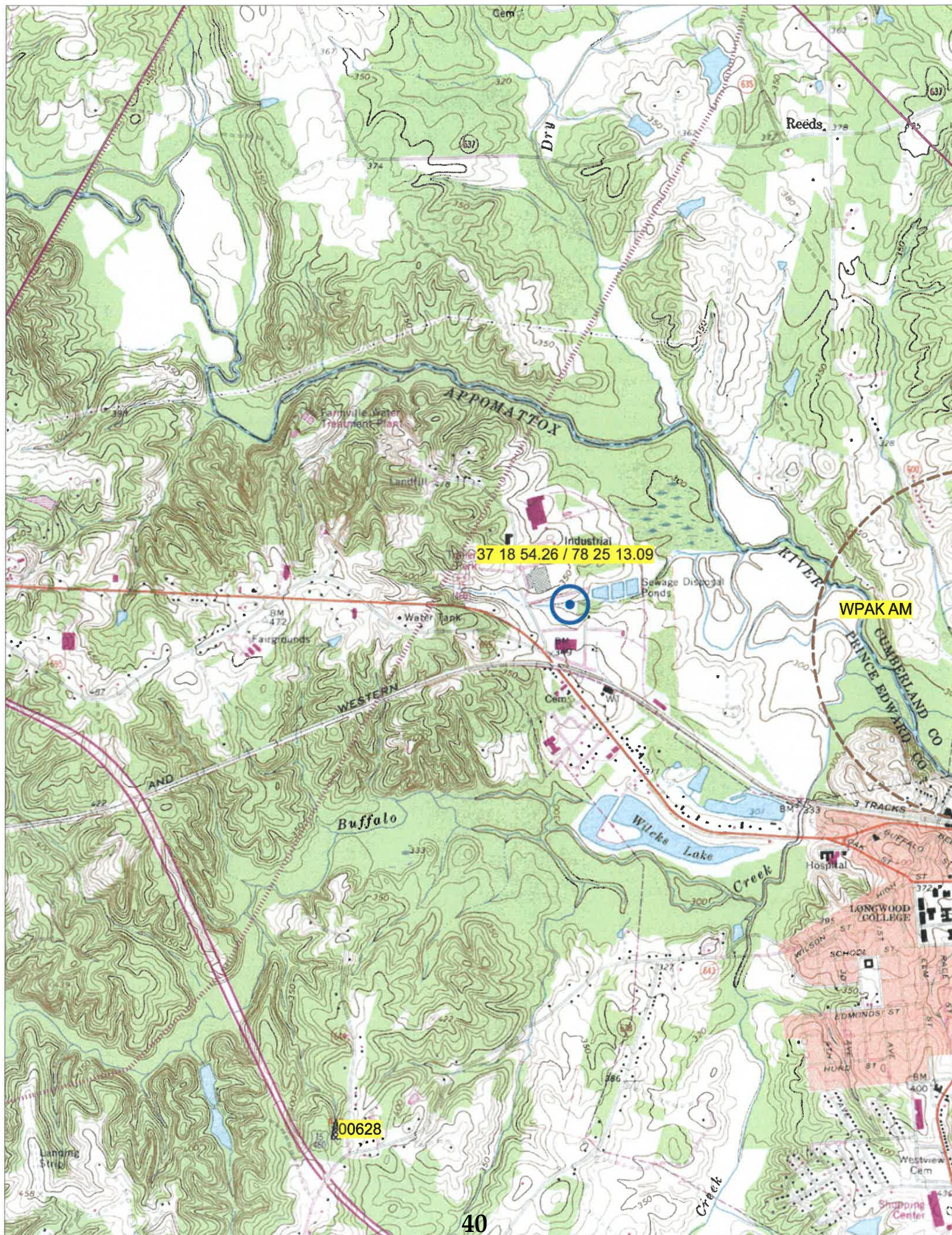
Sincerely,



Ken Patterson

KP16076

150 Discovery Lake Dr, Fayetteville, GA 30215  
(770) 461-0563 [kpac0@bellsouth.net](mailto:kpac0@bellsouth.net)



## **Exhibit “4”**

**FCC Form 854  
Main Form**

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

**Application for Antenna Structure Registration**

**Purpose of Filing**

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

**Antenna Structure Ownership Information**

|                                                                            |                                   |                                            |                                  |
|----------------------------------------------------------------------------|-----------------------------------|--------------------------------------------|----------------------------------|
| 3) Select one of the entity types:                                         |                                   |                                            |                                  |
| ( ) Individual                                                             | ( ) Unincorporated Association    | ( ) Trust                                  | ( ) Government Entity            |
| ( ) Corporation                                                            | ( ) Limited Liability Company     | ( ) General Partnership                    | ( <b>X</b> ) Limited Partnership |
| ( ) Consortium                                                             | ( ) Limited Liability Partnership | ( ) Other: _____                           |                                  |
| 4) FCC Registration Number (FRN):<br><b>0031974538</b>                     |                                   | 5) Assignor FCC Registration Number (FRN): |                                  |
| 6) First Name (if individual):                                             | MI:                               | Last Name:                                 | Suffix:                          |
| 7) Legal Entity Name (if not an individual):<br><b>Arcola Towers 1, LP</b> |                                   |                                            |                                  |
| 8) Attention To:<br><b>Christian Winkler</b>                               |                                   | 9) P.O. Box:<br><b>2150</b>                | And/Or                           |
| 10a) Street Address 1:                                                     |                                   | 10b) Street Address 2:                     |                                  |
| 11) City:<br><b>Middleburg</b>                                             | 12) State:<br><b>VA</b>           | 13) Zip Code:<br><b>20118</b>              |                                  |
| 14) Telephone Number (xxx-xxx-xxxx):<br><b>(571) 895-3990</b>              |                                   | 15) Fax Number: (xxx-xxx-xxxx):            |                                  |
| 16) E-mail Address:<br><b>christian@arcolatowers.com</b>                   |                                   |                                            |                                  |

**Contact Representative Information**

|                                                                |                         |                                 |         |
|----------------------------------------------------------------|-------------------------|---------------------------------|---------|
| 17) First Name (if individual):<br><b>COLLEEN</b>              | MI:                     | Last Name:<br><b>KHAN</b>       | Suffix: |
| 18) Business Name:<br><b>ENTREX COMMUNICATION SERVICES INC</b> |                         |                                 |         |
| 19) Attention To:                                              | 20) P.O. Box            |                                 | And/Or  |
| 21a) Street Address 1:<br><b>6100 EXECUTIVE BLVD STE 430</b>   |                         | 21b) Street Address 2:          |         |
| 22) City:<br><b>ROCKVILLE</b>                                  | 23) State:<br><b>MD</b> | 24) Zip Code:<br><b>20852</b>   |         |
| 25) Telephone Number (xxx-xxx-xxxx):<br><b>(202) 725-1286</b>  |                         | 26) Fax Number: (xxx-xxx-xxxx): |         |
| 27) E-mail Address:<br><b>ckhan@entrex.com</b>                 |                         |                                 |         |

**Antenna Structure Information**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               |                                           |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------|--------------------|
| 28a) Latitude (DD-MM-SS.S):<br><b>37- 18- 54.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               | 28b) North or South:<br><b>North</b>      |                    |
| 29a) Longitude (DDD-MM-SS.S):<br><b>078- 25- 13.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                               | 29b) East or West:<br><b>West</b>         |                    |
| 30) Street Address or Geographic Location:<br><b>85 SIMI WAY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               | 31) City:<br><b>FARMVILLE</b>             |                    |
| 32) County:<br><b>PRINCE EDWARD</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 33) State:<br><b>VIRGINIA</b> | 34) Zip Code:<br><b>23901</b>             |                    |
| 35) Elevation of site above mean sea level (meters):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                               |                                           | <b>10.4 meters</b> |
| 36) Overall height above ground level (AGL) of the supporting structure without appurtenances:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |                                           | <b>60.0 meters</b> |
| 37) Overall height above ground level (AGL) of the antenna structure including all appurtenances:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |                                           | <b>60.7 meters</b> |
| 38) Overall height above mean sea level (add items 35 and 37 together):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                           | <b>71.1 meters</b> |
| 39a) Enter the type of structure on which the antenna will be mounted: ( <b>LTOWER</b> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |                                           |                    |
| <div style="display: flex; justify-content: space-between;"> <div> <b>B</b> – Building<br/> <b>BANT</b> – Building with Antenna on Top<br/> <b>BMAST</b> – Building with Mast<br/> <b>BPIPE</b> – Building with Pipe<br/> <b>BPOLE</b> – Building with Pole<br/> <b>BRIDG</b> – Bridge<br/> <b>BTWR</b> – Building with Tower<br/> <b>GTOWER</b> – Guyed Structure Used For Communication Purposes<br/> <b>LTOWER</b> – Lattice Tower<br/> <b>MAST</b> – Mast<br/> <b>MTOWER</b> – Monopole<br/> <b>NNGTANN</b> – Guyed Tower Array </div> <div> <b>NNLTANN</b> – Lattice Tower Array<br/> <b>NNMTANN</b> – Monopole Array<br/> <b>PIPE</b> – Any type of Pipe<br/> <b>POLE</b> – Any type of Pole<br/> <b>RIG</b> – Oil or Other Type of Rig<br/> <b>SIGN</b> – Any type of Sign or Billboard<br/> <b>SILO</b> – Any type of Silo<br/> <b>STACK</b> – Smoke Stack<br/> <b>TANK</b> – Any type of Tank (water, gas, etc.)<br/> <b>TREE</b> – When used as a support for an antenna<br/> <b>UPOLE</b> – Utility Pole/Tower used to provide service (electric, telephone, etc.) </div> </div> |                               |                                           |                    |
| 39b) Number of Towers in Array:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                               | 39c) Position of this Tower in the Array: |                    |
| 40a) Array Center Latitude (DD-MM-SS.S):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               | 40b) North or South                       |                    |
| 41a) Array Center Longitude (DDD-MM-SS.S):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               | 41b) East or West:                        |                    |

**Proposed Marking and/or Lighting**

|                                                                                                                                        |                                                    |                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|
| 42) Enter the proposed marking and/or lighting: ( 1 )<br>See Form 854 Item 42 Instructions for detailed tier and lighting information. |                                                    |                                                                       |
| 1) None<br>2) Paint Only<br>3) Other _____                                                                                             | 4) FAA Style B<br>5) FAA Style D<br>6) FAA Style C | 7) FAA Style E<br>8) FAA Style F<br>9) FAA Style A<br>10) FAA Style G |

**FAA Notification**

|                       |                  |
|-----------------------|------------------|
| 43) FAA Study Number: | 44) Date Issued: |
|-----------------------|------------------|

**Environmental Compliance**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 45) Does the applicant request a waiver of the Commission's rules for environmental notice prior to construction due to an emergency situation?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ( No ) Yes or No    |
| 46a) If the answer to 45 is No, is another federal agency taking responsibility for environmental review of the Antenna Structure?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ( No ) Yes or No    |
| 46b) If the answer to 46a is Yes, indicate why:<br><br>1) The Antenna Structure is on Federal Land and the landholding agency is taking responsibility for the environmental review of the Antenna Structure.<br><br>2) Another federal agency has agreed with the FCC in writing to take responsibility for the environmental review of the Antenna Structure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ( ) 1 or 2          |
| 46c) If the answer to 46a is Yes, provide the name of the federal agency taking responsibility for the environmental review of the Antenna Structure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Name:               |
| 47) If the answers to 45 and 46a are No, provide the National Notice Date for the application to be posted on the FCC's website (mm/dd/yyyy).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Date:<br>06/25/2025 |
| 48) Is the applicant submitting an environmental assessment?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ( No ) Yes or No    |
| 49) Does the applicant certify that grant of Authorizations at this location would not have a significant environmental effect pursuant to Section 1.1307 of the FCC's rules?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ( ) Yes or No       |
| 50) If the answer to 49 is Yes, select the basis for this certification.<br><br>1) The construction is exempt from environmental notification (other than due to another agency's review) and it does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules?<br><br>2) The construction is exempt from environmental notification due to another agency's review, and the other agency has issued a Finding of No Significant Impact.<br><br>3) The environmental notification has been completed, and the FCC has notified the applicant that an Environmental Assessment is not required under Section 1.1307(c) or (d) of the FCC's rules, and the Construction does not fall within one of the categories in Section 1.1307(a) or (b) of the FCC's rules.<br><br>4) The FCC has issued a Finding of No Significant Impact. | ( ) 1, 2, 3, 4      |
| 51) If the answer to 50 is 3 or 4, enter the date that Local Notice was provided (mm/dd/yyyy).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Date:               |

**Certification Statements**

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

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

|                                       |     |                           |                                  |
|---------------------------------------|-----|---------------------------|----------------------------------|
| 52) First Name:<br><b>COLLEEN</b>     | MI: | Last Name:<br><b>KHAN</b> | Suffix:                          |
| 53) Title:<br><b>AGENT</b>            |     |                           |                                  |
| 54) Signature:<br><b>COLLEEN KHAN</b> |     |                           | 55) Date:<br><b>Jun 24, 2025</b> |

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

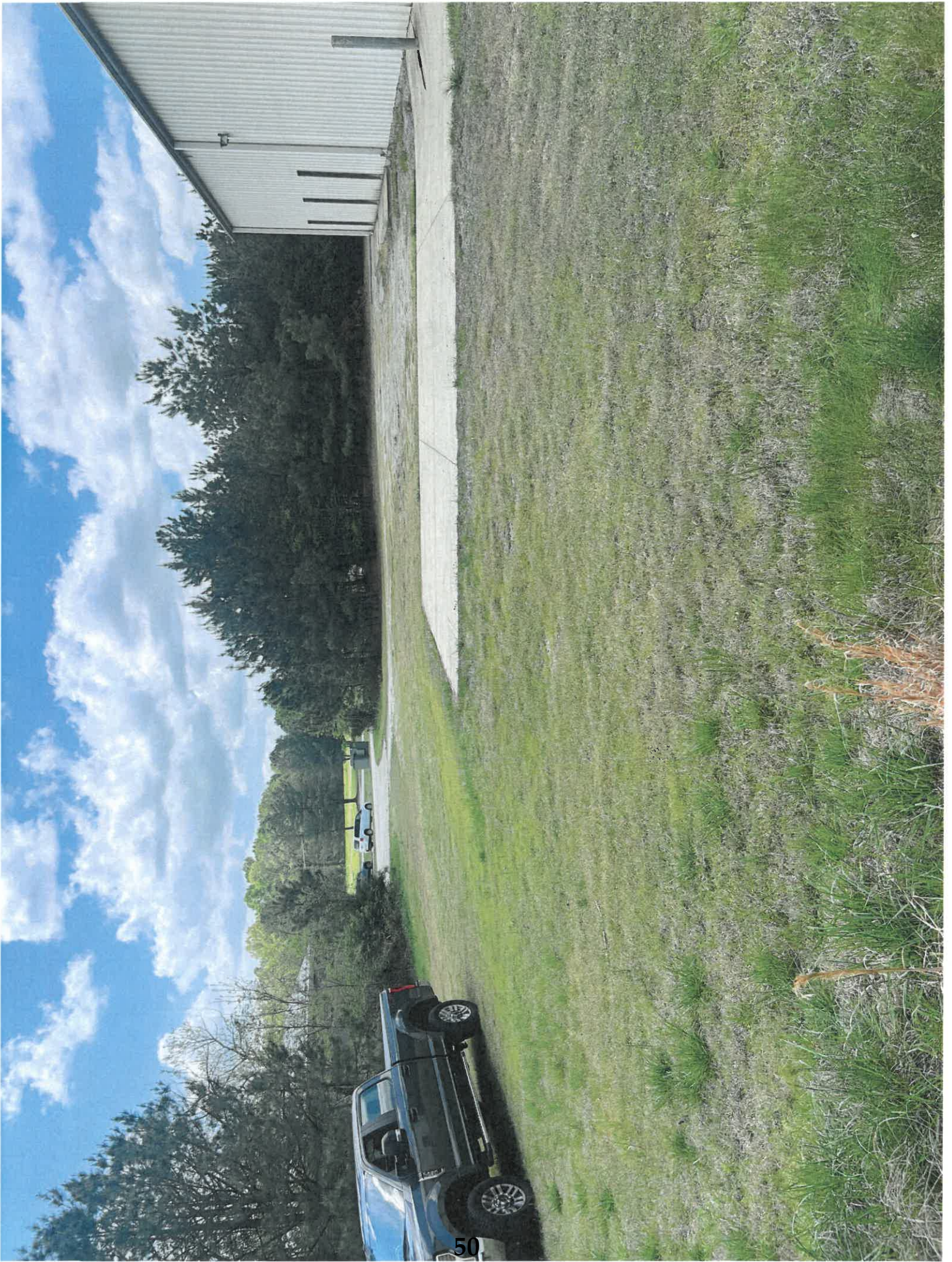
|                 |     |            |           |
|-----------------|-----|------------|-----------|
| 56) First Name: | MI: | Last Name: | Suffix:   |
| 57) Title:      |     |            |           |
| 58) Signature:  |     |            | 59) Date: |

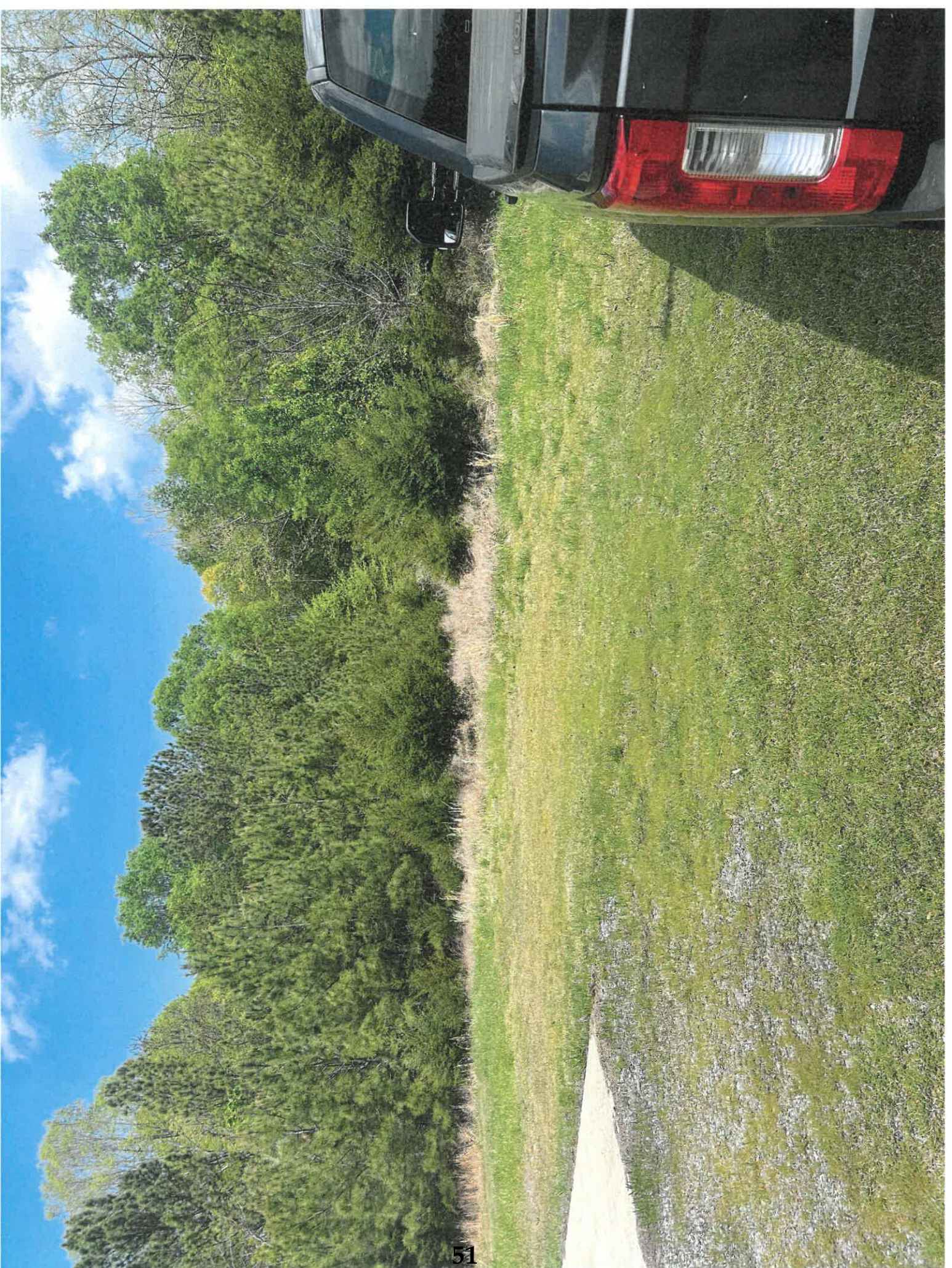
## **Exhibit “5”**











## **Exhibit “6”**

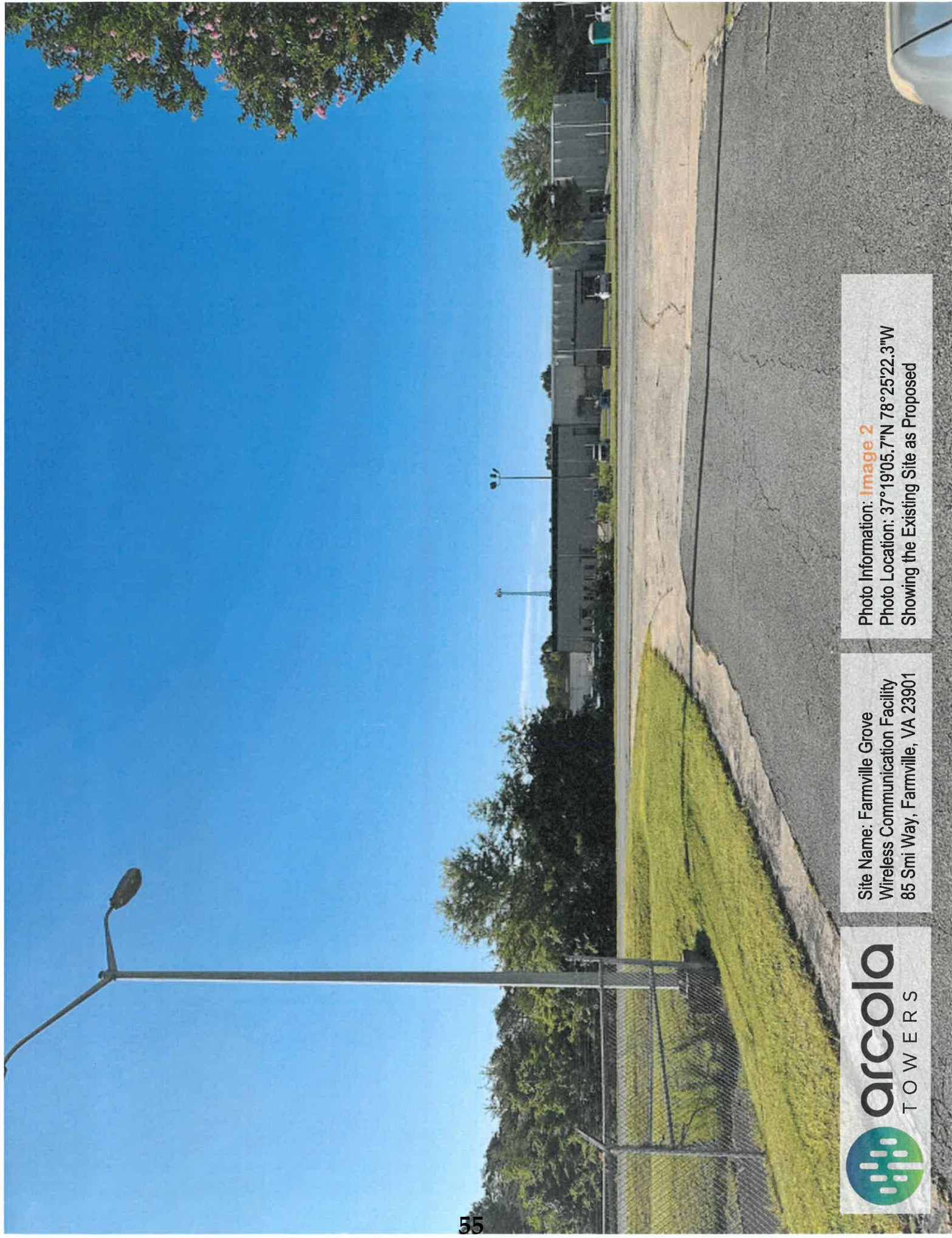
# FARMVILLE GROVE - BALLOON TEST - JUNE 20, 2025 - 85 SMI WAY



# Proposed Tower is not visible from vantage point    # Proposed Tower is visible from vantage point







Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: **Image 2**  
Photo Location: 37°19'05.7"N 78°25'22.3"W  
Showing the Existing Site as Proposed

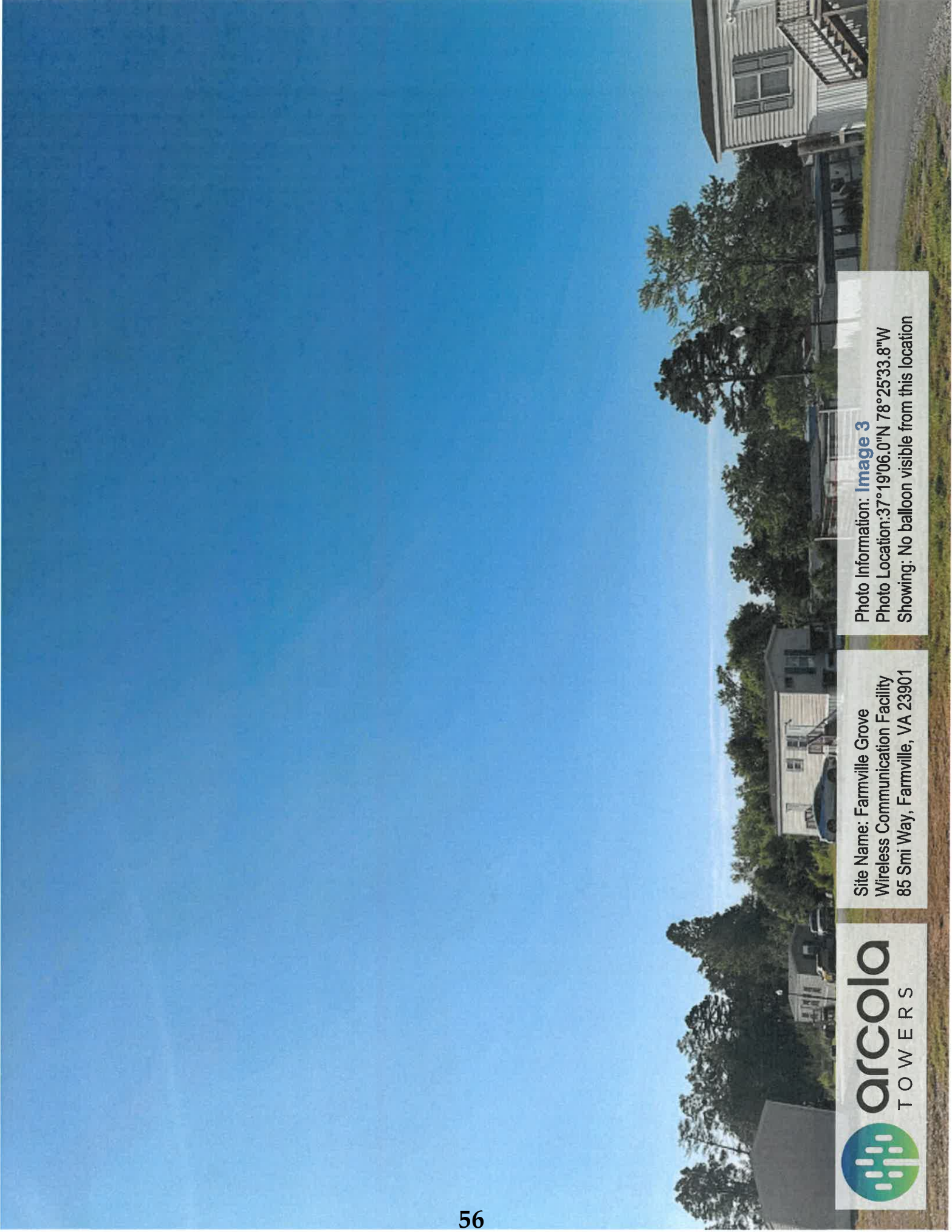
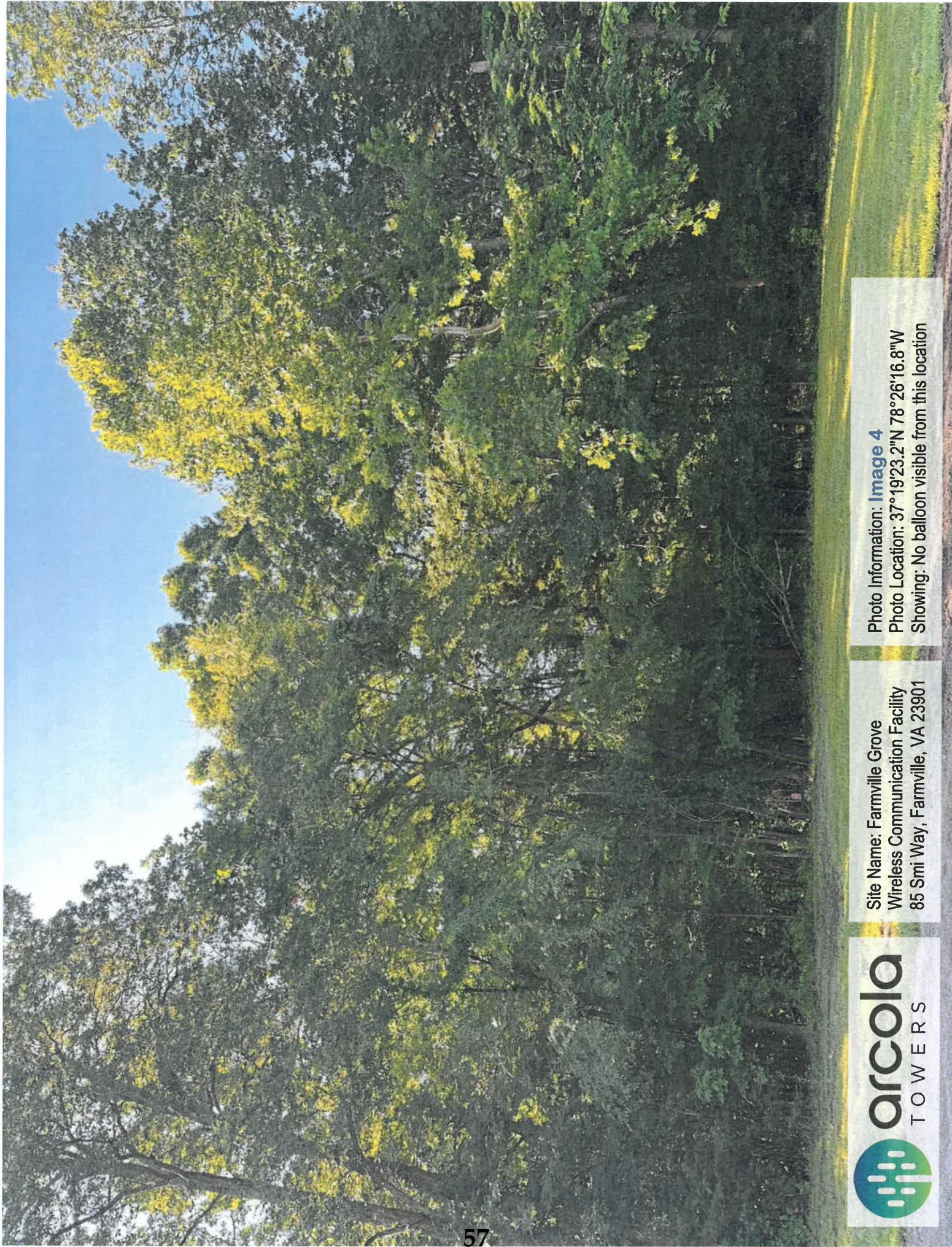


Photo Information: **Image 3**  
Photo Location: 37°19'06.0"N 78°25'33.8"W  
Showing: No balloon visible from this location

Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901





Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: **Image 4**  
Photo Location: 37°19'23.2"N 78°26'16.8"W  
Showing: No balloon visible from this location

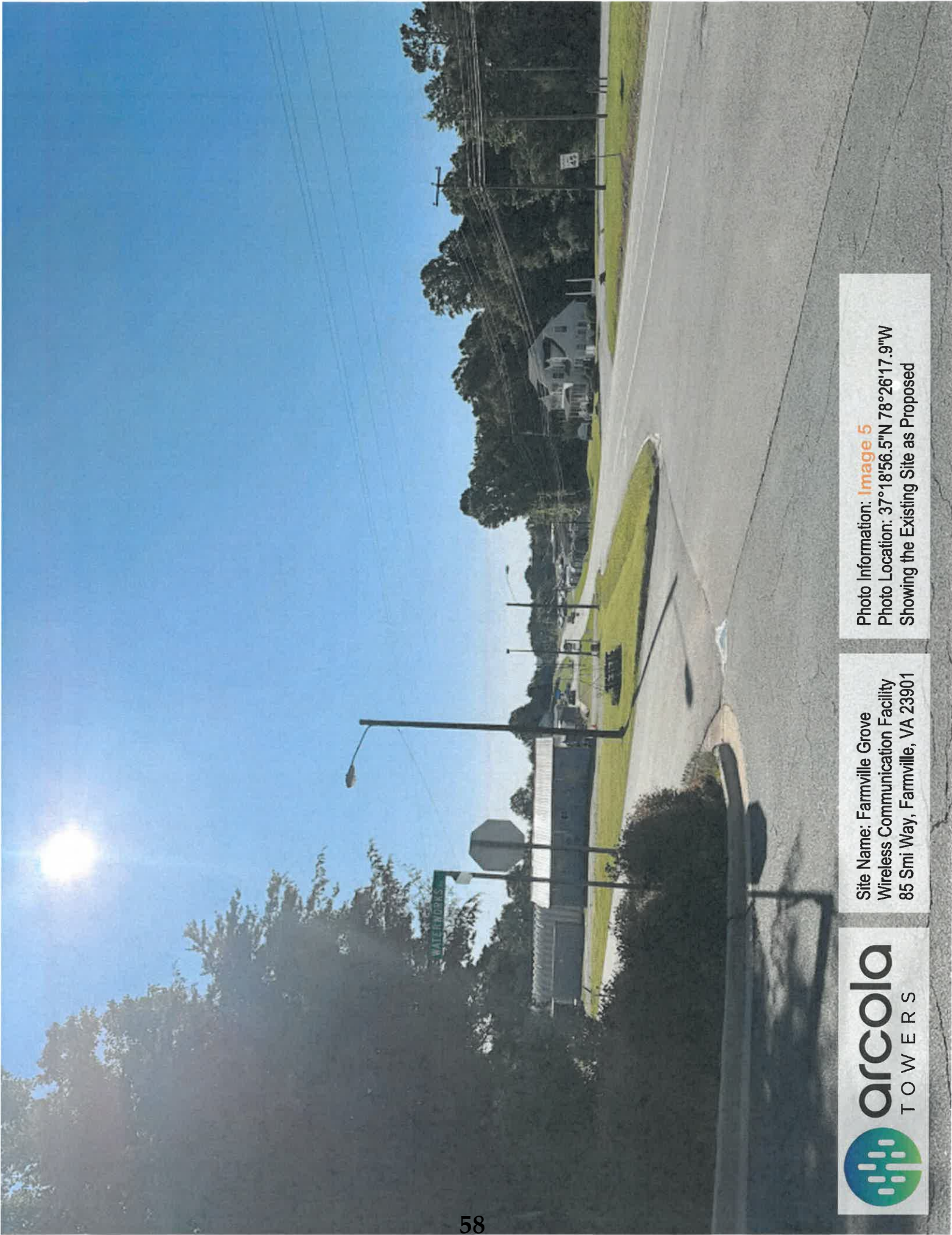


Photo Information: **Image 5**  
Photo Location: 37°18'56.5"N 78°26'17.9"W  
Showing the Existing Site as Proposed

Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901





Photo Information: **Image 6**

Photo Location: 37°18'54.7"N 78°25'41.8"W

Showing: No balloon visible from this location

Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901





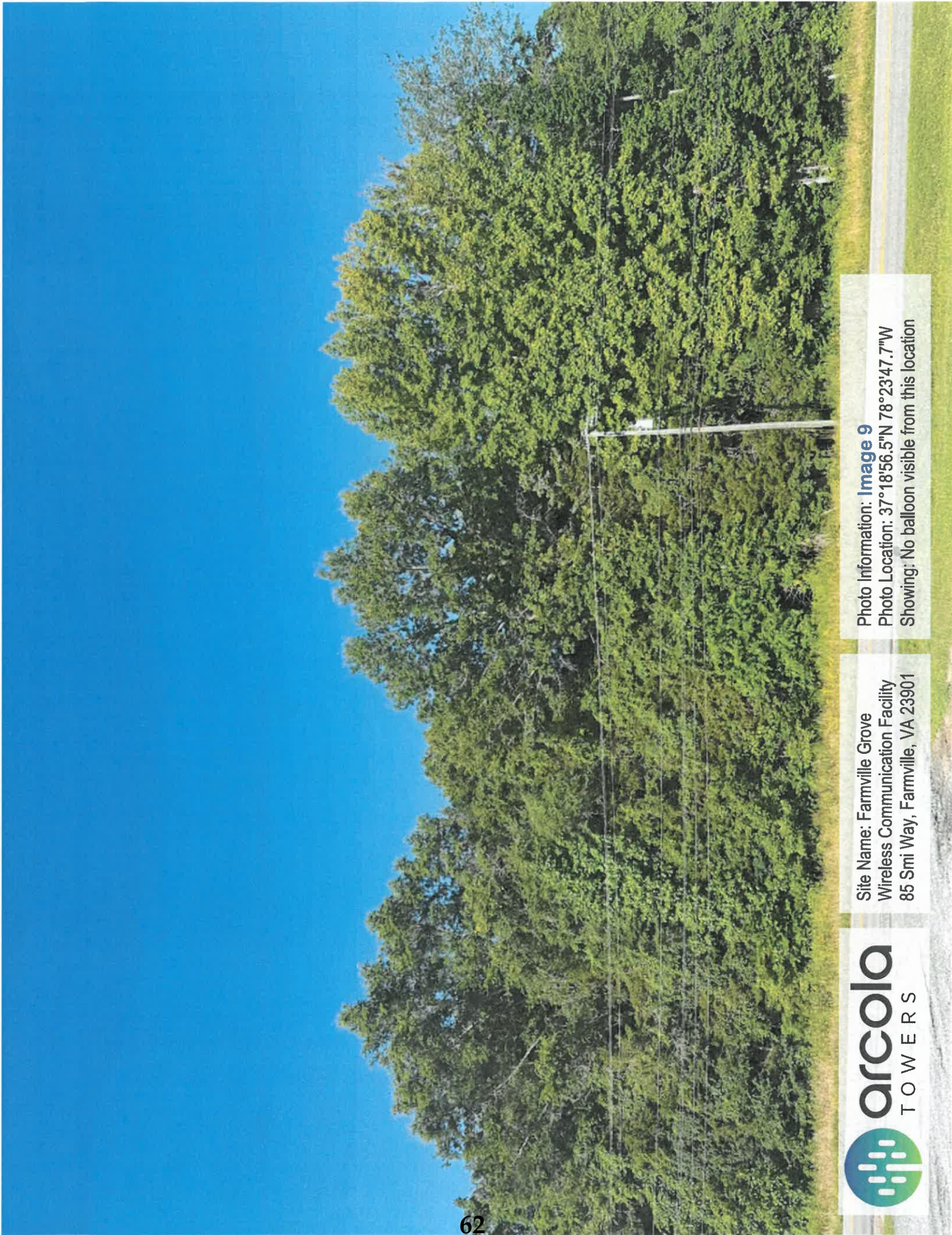
Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: [Image 7](#)  
Photo Location: 37°18'50.1"N 78°25'48.6"W  
Showing: No balloon visible from this location



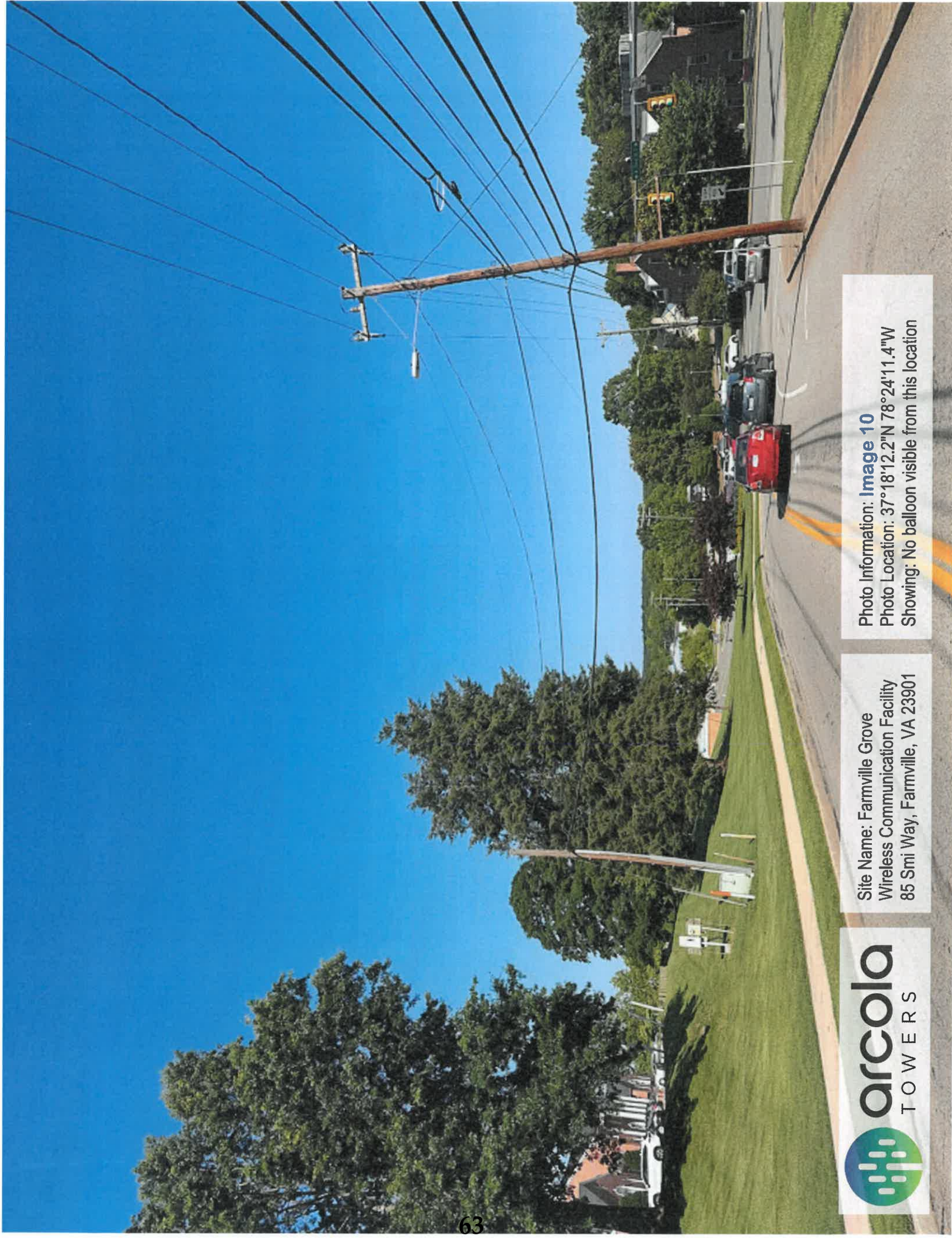
Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: **Image 8**  
Photo Location: 37°18'46.9"N 78°25'20.3"W  
Showing the Existing Site as Proposed



Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: **Image 9**  
Photo Location: 37°18'56.5"N 78°23'47.7"W  
Showing: No balloon visible from this location



Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901

Photo Information: **Image 10**  
Photo Location: 37°18'12.2"N 78°24'11.4"W  
Showing: No balloon visible from this location



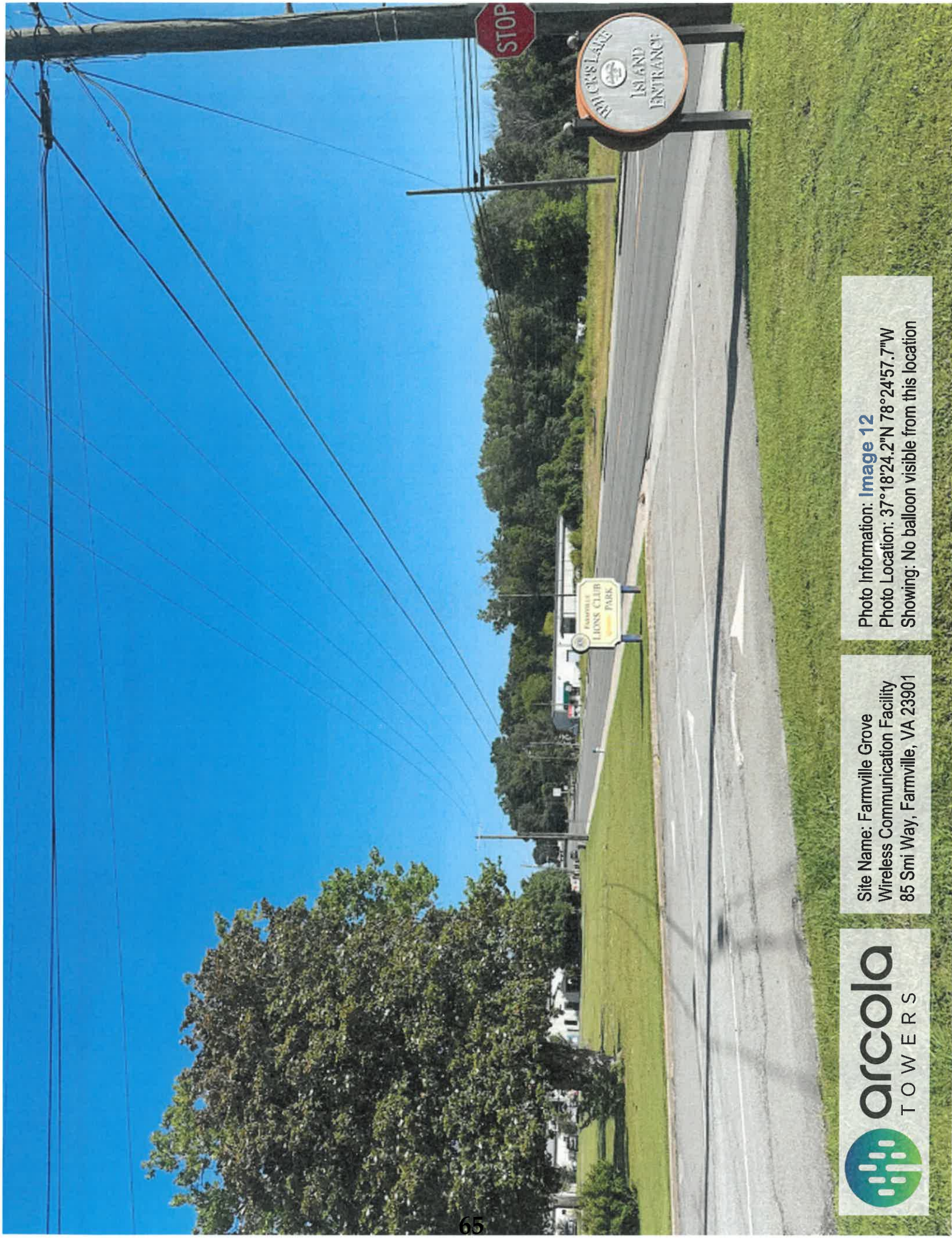


Photo Information: **Image 12**  
Photo Location: 37°18'24.2"N 78°24'57.7"W  
Showing: No balloon visible from this location

Site Name: Farmville Grove  
Wireless Communication Facility  
85 Smi Way, Farmville, VA 23901



## **Exhibit “7”**



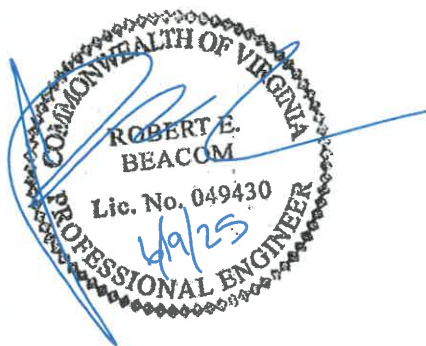
**Structural Design Report**  
**197' S3TL Series HD2 Self-Supporting Tower**  
**Site: Farmville Grove, VA**

Prepared for: ARCOLA TOWERS  
by: Sabre Industries <sup>TM</sup>

Job Number: 26-0628-JSS

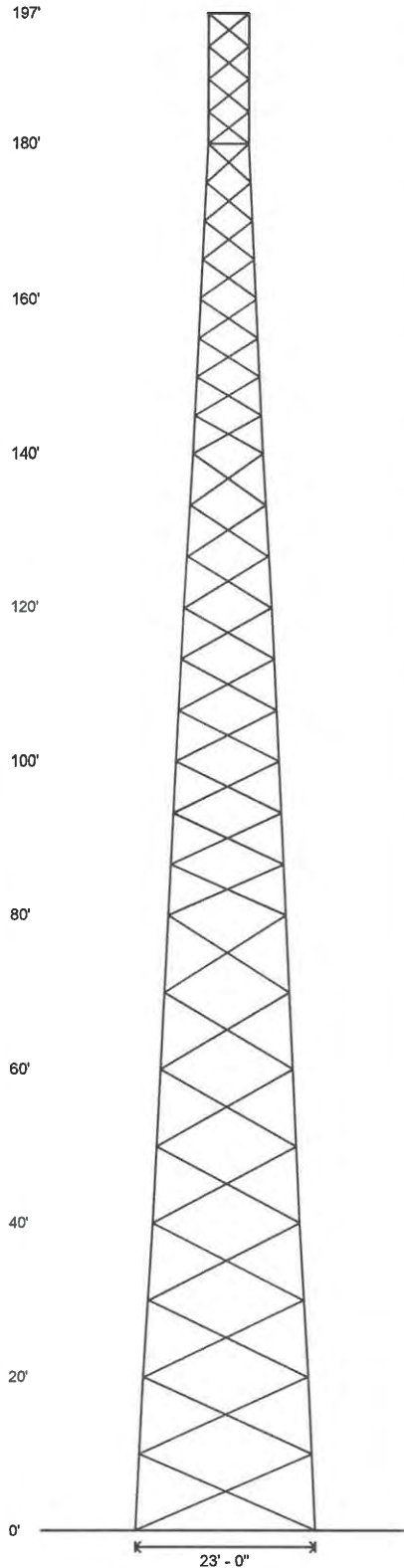
**June 19, 2025**

|                                                                |             |
|----------------------------------------------------------------|-------------|
| <b>Tower Profile.....</b>                                      | <b>1</b>    |
| <b>Foundation Design Summary (Preliminary) (Option 1).....</b> | <b>2</b>    |
| <b>Foundation Design Summary (Preliminary) (Option 2).....</b> | <b>3</b>    |
| <b>Maximum Leg Loads.....</b>                                  | <b>4</b>    |
| <b>Maximum Diagonal Loads.....</b>                             | <b>5</b>    |
| <b>Maximum Foundation Loads.....</b>                           | <b>6</b>    |
| <b>Calculations.....</b>                                       | <b>7-25</b> |



Digitally Signed By Robert Beacom  
DN:  
C=US,SERIALNUMBER=MAS202  
50205984402,ST=Texas,L=Alvara  
do,2.5.4.97=NTRUS\+DE-  
4349737,O=SABRE  
INDUSTRIES\, INC.,CN=Robert  
Beacom Date: 2025.06.19  
10:28:05

|                    |                 |                       |                 |                        |                 |                 |                 |
|--------------------|-----------------|-----------------------|-----------------|------------------------|-----------------|-----------------|-----------------|
| Legs               | 8.625 OD X .500 | 8.625 OD X .322       | 5.563 OD X .500 | 5.563 OD X .375        | 4.500 OD X .337 | 3.500 OD X .300 | 2.875 OD X .203 |
| Diagonals          | L 4 X 4 X 1/4   | L 3 1/2 X 3 1/2 X 1/4 | L 3 X 3 X 3/16  | L 2 1/2 X 2 1/2 X 3/16 | L 2 X 2 X 3/16  | L 2 X 2 X 1/8   | L 2 X 2 X 1/8   |
| Horizontal         |                 |                       | NONE            |                        |                 | A               | B               |
| Brace Bolts        |                 | (1) 3/4"              |                 |                        | (1) 5/8"        |                 |                 |
| Top Face Width     | 21'             | 19'                   | 15'             | 11'                    | 9'              | 7'              | 5'              |
| Panel Count/Height | 8 @ 10'         | 8 @ 10'               | 9 @ 5.6667'     | 2309                   | 2211            | 1768            | 4 @ 4.25'       |
| Section Weight     | 5073            | 4654                  | 3597            | 2975                   | 2309            | 1375            | 835             |



### Designed Appurtenance Loading

| Elev | Description                          | Tx-Line    |
|------|--------------------------------------|------------|
| 199  | Lightning Rod & Top Plate            |            |
| 192  | (1) 250 Sq.Ft. EPA (7000 lbs)        | (6) 1 5/8" |
| 182  | (1) 200 sq. ft. EPA, 4,500 lb Weight | (6) 1 5/8" |
| 172  | (1) 175 Sq. Ft. EPA (4,500 lbs)      | (6) 1 5/8" |
| 162  | (1) 150 sq. ft. EPA, 4,500 lb Weight | (6) 1 5/8" |

### Design Criteria - ANSI/TIA-222-H

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Wind Speed (No Ice)                       | 111 mph                                |
| Wind Speed (Ice)                          | 30 mph                                 |
| Design Ice Thickness                      | 1.50 in                                |
| Risk Category                             | II                                     |
| Exposure Category                         | C                                      |
| Topographic Factor Procedure              | Method 1 (Simplified)                  |
| Topographic Category                      | 1                                      |
| Ground Elevation                          | 331 ft                                 |
| Seismic Importance Factor, I <sub>e</sub> | 1.00                                   |
| 0.2-sec Spectral Response, S <sub>s</sub> | 0.219 g                                |
| 1-sec Spectral Response, S <sub>1</sub>   | 0.06 g                                 |
| Site Class                                | D (DEFAULT)                            |
| Seismic Design Category                   | B                                      |
| Basic Seismic Force-Resisting System      | Telecommunication Tower (Truss: Steel) |

### Base Reactions - Wind/Ice

| Total Foundation |        | Individual Footing |       |
|------------------|--------|--------------------|-------|
| Shear (kips)     | 55.24  | Shear (kips)       | 34.22 |
| Axial (kips)     | 144.71 | Compression (kips) | 388   |
| Moment (ft-kips) | 7331   | Uplift (kips)      | 341   |

### Base Reactions - Seismic

| Total Foundation |       | Individual Footing |      |
|------------------|-------|--------------------|------|
| Shear (kips)     | 2.31  | Shear (kips)       | 3.11 |
| Axial (kips)     | 67.25 | Compression (kips) | 40   |
| Moment (ft-kips) | 359   | Uplift (kips)      | 3    |

### Material List

| Display | Value          |
|---------|----------------|
| A       | L 2 X 2 X 3/16 |
| B       | L 2 X 2 X 1/8  |

### Notes

- 1) All legs are A500 (50 ksi Min. Yield).
- 2) All braces are A572 Grade 50.
- 3) All brace bolts are A325-X.
- 4) The tower model is S3TL Series HD2.
- 5) Transmission lines are to be attached to standard 12 hole waveguide ladders with stackable hangers.
- 6) Azimuths are relative (not based on true north).
- 7) Foundation loads shown are maximums.
- 8) All unequal angles are oriented with the short leg vertical.
- 9) Weights shown are estimates. Final weights may vary.
- 10) Tower Rating: 98.51%
- 11) No grout is required under the base plates.



**Sabre Industries**  
7101 Southbridge Drive  
P.O. Box 658  
Sioux City, IA 51102-0658  
Phone: (712) 258-6890  
Fax: (712) 279-0814

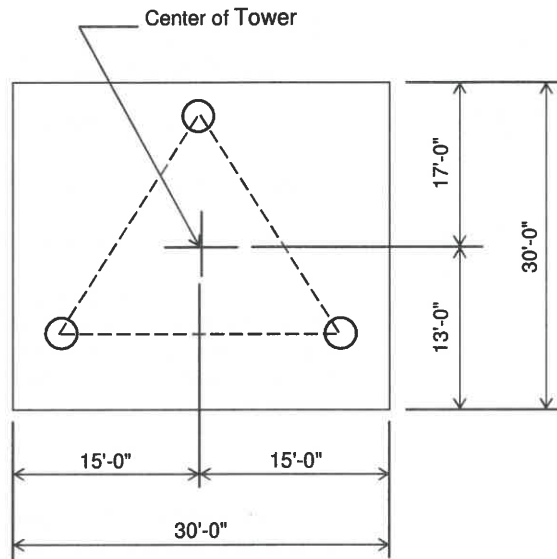
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Job: 26-0628-JSS  
Customer: ARCOLA TOWERS  
Site Name: Farmville Grove, VA  
Description: 197' S3TL  
Date: 6/19/2025

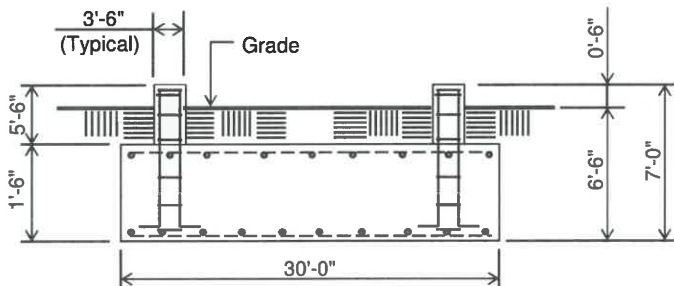
By: REB

**Customer: ARCOLA TOWERS**  
**Site: Farmville Grove, VA**  
197 ft. Model S3TL Series HD2 Self Supporting Tower

**PRELIMINARY -NOT FOR CONSTRUCTION-**



**PLAN VIEW**



**ELEVATION VIEW**

(55.9 cu. yds.)  
(1 REQD.; NOT TO SCALE)

CAUTION: Center of tower is  
not in center of slab.

**Notes:**

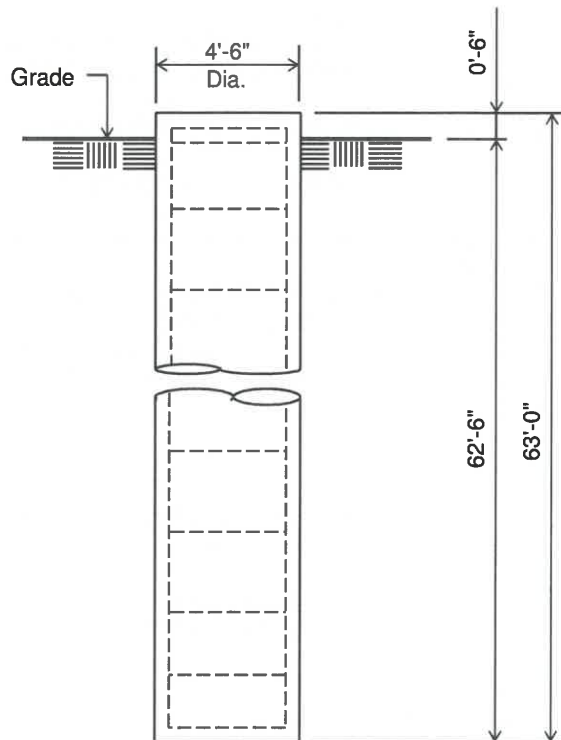
- 1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
- 2) Rebar to conform to ASTM specification A615 Grade 60.
- 3) All rebar to have a minimum of 3" concrete cover.
- 4) All exposed concrete corners to be chamfered 3/4".
- 5) The foundation design is based on presumptive clay soil as defined in ANSI/TIA-222-H-2017. It is recommended that a soil analysis of the site be performed to verify the soil parameters used in the design.
- 6) 5' of soil cover is required over the entire area of the foundation slab.
- 7) The bottom anchor bolt template shall be positioned as closely as possible to the bottom of the anchor bolts.

| Rebar Schedule per Mat and per Pier                                                    |                                                                                                       |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Pier</b>                                                                            | (18) #7 vertical rebar w/ hooks at bottom w/ #4 rebar ties, two (2) within top 5" of pier then 4" C/C |
| <b>Mat</b>                                                                             | (54) #8 horizontal rebar evenly spaced each way top and bottom. (216 total)                           |
| Anchor Bolts per Leg                                                                   |                                                                                                       |
| (6) 1.5" dia. x 78" F1554-105 on a 13.25" B.C. w/ 9.5" max. projection above concrete. |                                                                                                       |

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**Customer: ARCOLA TOWERS**  
**Site: Farmville Grove, VA**  
197 ft. Model S3TL Series HD2 Self Supporting Tower

**PRELIMINARY -NOT FOR CONSTRUCTION-**



**ELEVATION VIEW**

(37.1 cu. yds.)  
(3 REQUIRED; NOT TO SCALE)

**Notes:**

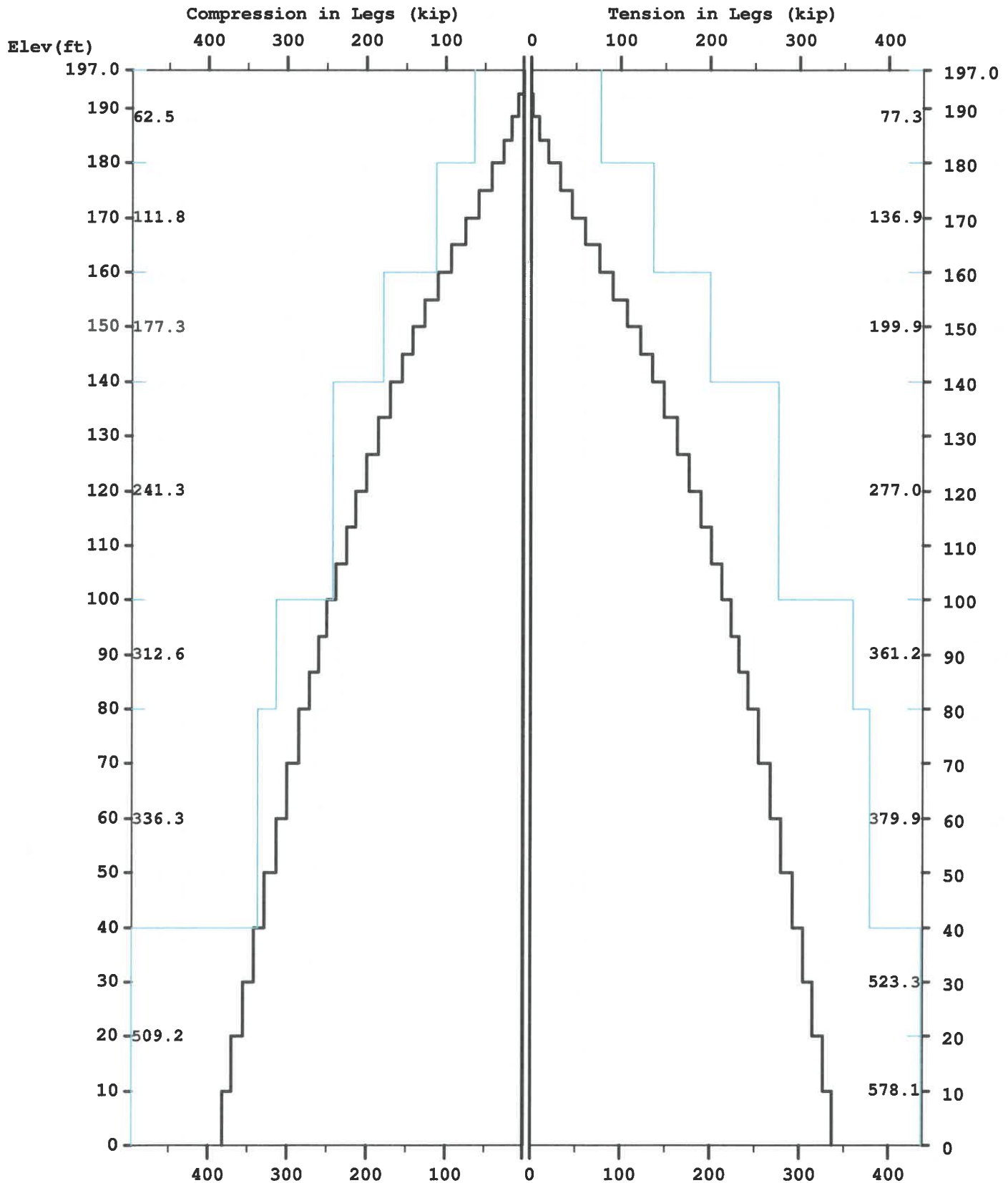
- 1) Concrete shall have a minimum 28-day compressive strength of 4,500 psi, in accordance with ACI 318-14.
- 2) Rebar to conform to ASTM specification A615 Grade 60.
- 3) All rebar to have a minimum of 3" concrete cover.
- 4) All exposed concrete corners to be chamfered 3/4".
- 5) The foundation design is based on presumptive clay soil as defined in ANSI/TIA-222-H-2017. It is recommended that a soil analysis of the site be performed to verify the soil parameters used in the design.
- 6) The bottom anchor bolt template shall be positioned as closely as possible to the bottom of the anchor bolts.

| Rebar Schedule per Pier |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| Pier                    | (14) #9 vertical rebar w/ #4 ties, two (2) within top 5" of pier then 12" C/C          |
| Anchor Bolts per Leg    |                                                                                        |
|                         | (6) 1.5" dia. x 78" F1554-105 on a 13.25" B.C. w/ 9.5" max. projection above concrete. |

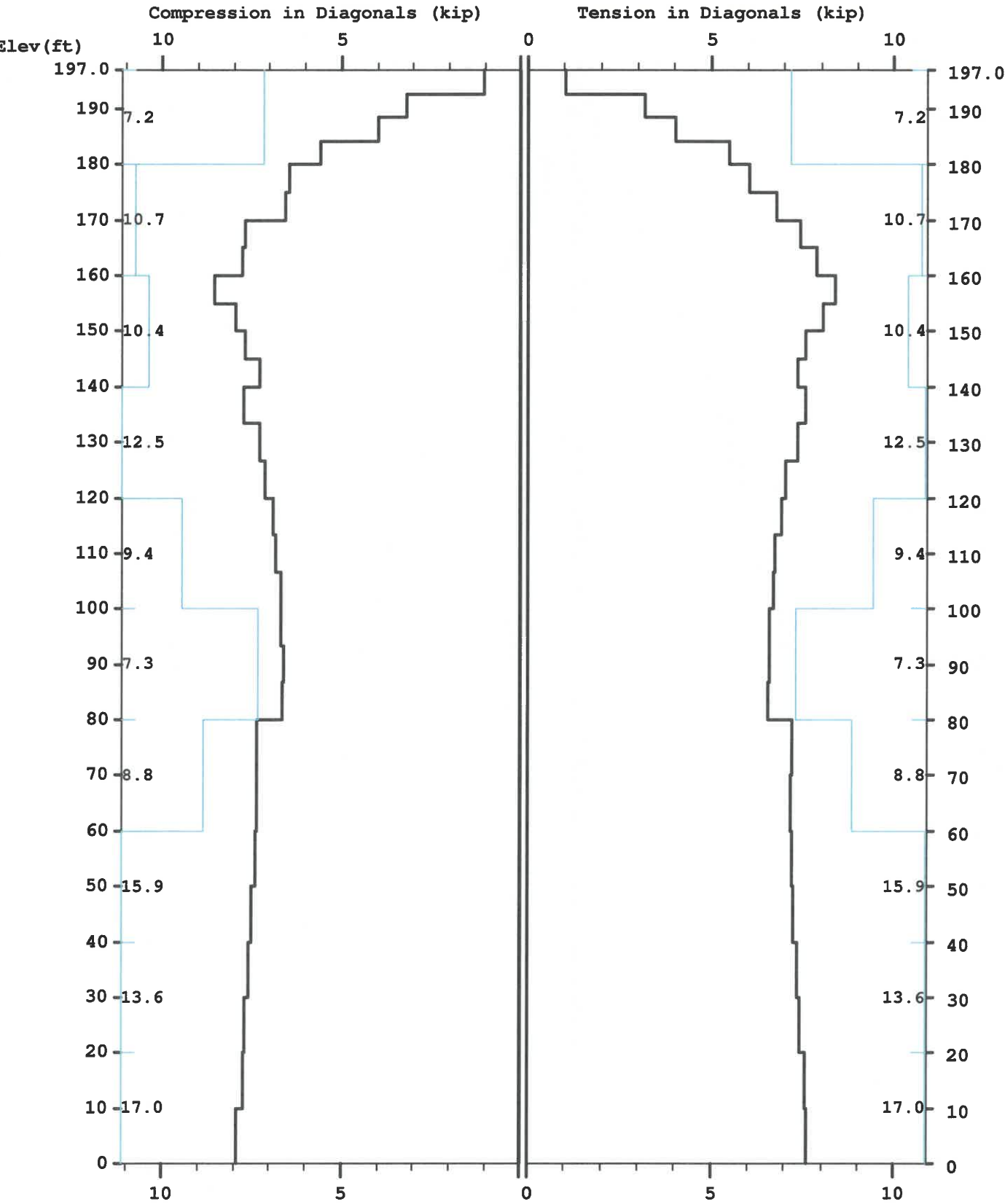
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7101 Southbridge Dr - P.O. Box 658 - Sioux City, IA 51102-0658 - Phone 712.258.6690 - Fax 712.258.8250

Maximum

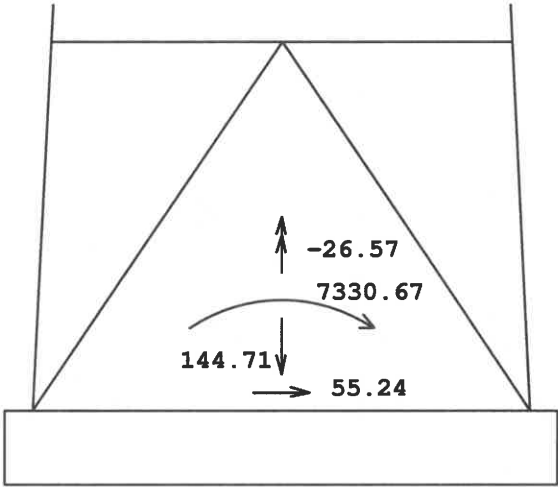


Maximum

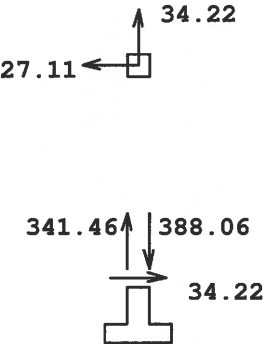


Maximum

TOTAL FOUNDATION LOADS (kip, ft-kip)



INDIVIDUAL FOOTING LOADS (kip)



=====

Latticed Tower Analysis (Unguyed) (c)2024 Guymast Inc. 416-736-7453

Processed under license at:

Sabre Towers and Poles on: 19 jun 2025 at: 10:20:13

=====

MAST GEOMETRY ( ft )

=====

| PANEL<br>TYPE | NO.OF<br>LEGS | ELEV.AT<br>BOTTOM | ELEV.AT<br>TOP | F.W..AT<br>BOTTOM | F.W..AT<br>TOP | TYPICAL<br>PANEL<br>HEIGHT |
|---------------|---------------|-------------------|----------------|-------------------|----------------|----------------------------|
| X             | 3             | 192.75            | 197.00         | 5.00              | 5.00           | 4.25                       |
| X             | 3             | 180.00            | 192.75         | 5.00              | 5.00           | 4.25                       |
| X             | 3             | 175.00            | 180.00         | 5.50              | 5.00           | 5.00                       |
| X             | 3             | 160.00            | 175.00         | 7.00              | 5.50           | 5.00                       |
| X             | 3             | 140.00            | 160.00         | 9.00              | 7.00           | 5.00                       |
| X             | 3             | 120.00            | 140.00         | 11.00             | 9.00           | 6.67                       |
| X             | 3             | 100.00            | 120.00         | 13.00             | 11.00          | 6.67                       |
| X             | 3             | 80.00             | 100.00         | 15.00             | 13.00          | 6.67                       |
| X             | 3             | 60.00             | 80.00          | 17.00             | 15.00          | 10.00                      |
| X             | 3             | 40.00             | 60.00          | 19.00             | 17.00          | 10.00                      |
| X             | 3             | 20.00             | 40.00          | 21.00             | 19.00          | 10.00                      |
| X             | 3             | 0.00              | 20.00          | 23.00             | 21.00          | 10.00                      |

MEMBER PROPERTIES

=====

| MEMBER<br>TYPE | BOTTOM<br>ELEV<br>ft | TOP<br>ELEV<br>ft | X-SECTN<br>AREA<br>in.sq | RADIUS<br>OF GYRAT<br>in | ELASTIC<br>MODULUS<br>ksi | THERMAL<br>EXPANSN<br>/deg |
|----------------|----------------------|-------------------|--------------------------|--------------------------|---------------------------|----------------------------|
| LE             | 180.00               | 197.00            | 1.704                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 160.00               | 180.00            | 3.016                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 140.00               | 160.00            | 4.407                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 100.00               | 140.00            | 6.111                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 80.00                | 100.00            | 7.952                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 40.00                | 80.00             | 8.399                    | 0.947                    | 29000.                    | 0.0000117                  |
| LE             | 0.00                 | 40.00             | 12.763                   | 0.947                    | 29000.                    | 0.0000117                  |
| DI             | 180.00               | 197.00            | 0.484                    | 0.626                    | 29000.                    | 0.0000117                  |
| DI             | 140.00               | 180.00            | 0.715                    | 0.626                    | 29000.                    | 0.0000117                  |
| DI             | 80.00                | 140.00            | 0.902                    | 0.626                    | 29000.                    | 0.0000117                  |
| DI             | 60.00                | 80.00             | 1.090                    | 0.626                    | 29000.                    | 0.0000117                  |
| DI             | 20.00                | 60.00             | 1.688                    | 0.626                    | 29000.                    | 0.0000117                  |
| DI             | 0.00                 | 20.00             | 1.938                    | 0.626                    | 29000.                    | 0.0000117                  |
| HO             | 192.75               | 197.00            | 0.484                    | 0.626                    | 29000.                    | 0.0000117                  |
| HO             | 175.00               | 180.00            | 0.715                    | 0.626                    | 29000.                    | 0.0000117                  |

FACTORED MEMBER RESISTANCES

=====

| BOTTOM<br>ELEV<br>ft | TOP<br>ELEV<br>ft | LEGS        |             | DIAGONALS   |             | HORIZONTALS |             | INT BRACING |             |
|----------------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                      |                   | COMP<br>kip | TENS<br>kip | COMP<br>kip | TENS<br>kip | COMP<br>kip | TENS<br>kip | COMP<br>kip | TENS<br>kip |
| 192.7                | 197.0             | 62.50       | 77.27       | 7.16        | 7.16        | 7.16        | 7.16        | 0.00        | 0.00        |
| 180.0                | 192.7             | 62.50       | 77.27       | 7.16        | 7.16        | 0.00        | 0.00        | 0.00        | 0.00        |
| 175.0                | 180.0             | 111.82      | 136.93      | 10.74       | 10.74       | 10.72       | 10.72       | 0.00        | 0.00        |
| 160.0                | 175.0             | 111.82      | 136.93      | 10.74       | 10.74       | 0.00        | 0.00        | 0.00        | 0.00        |
| 140.0                | 160.0             | 177.29      | 199.92      | 10.38       | 10.38       | 0.00        | 0.00        | 0.00        | 0.00        |
| 120.0                | 140.0             | 241.28      | 277.05      | 12.47       | 12.47       | 0.00        | 0.00        | 0.00        | 0.00        |
| 100.0                | 120.0             | 241.28      | 277.05      | 9.45        | 9.45        | 0.00        | 0.00        | 0.00        | 0.00        |
| 80.0                 | 100.0             | 312.59      | 361.16      | 7.32        | 7.32        | 0.00        | 0.00        | 0.00        | 0.00        |
| 60.0                 | 80.0              | 336.31      | 379.88      | 8.84        | 8.84        | 0.00        | 0.00        | 0.00        | 0.00        |
| 40.0                 | 60.0              | 336.31      | 379.88      | 15.88       | 15.88       | 0.00        | 0.00        | 0.00        | 0.00        |
| 20.0                 | 40.0              | 509.22      | 523.32      | 13.59       | 13.59       | 0.00        | 0.00        | 0.00        | 0.00        |
| 0.0                  | 20.0              | 509.22      | 578.14      | 17.02       | 17.02       | 0.00        | 0.00        | 0.00        | 0.00        |

=====

\* Only 5 condition(s) shown in full

=====

LOADING CONDITION A

=====

111 mph wind with no ice. Wind Azimuth: 0° (1.2 D + 1.0 Wo)

MAST LOADING  
=====

| LOAD<br>TYPE | ELEV<br>ft | APPLY..<br>RADIUS<br>ft | LOAD..AT<br>AZI | LOAD<br>AZI | .....FORCES..... |             | .....MOMENTS.....  |                   |
|--------------|------------|-------------------------|-----------------|-------------|------------------|-------------|--------------------|-------------------|
|              |            |                         |                 |             | HORIZ<br>kip     | DOWN<br>kip | VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
| C            | 199.0      | 0.00                    | 0.0             | 0.0         | 0.05             | 0.54        | 0.00               | 0.00              |
| C            | 192.0      | 0.00                    | 0.0             | 0.0         | 8.17             | 8.40        | 0.00               | 0.00              |
| C            | 182.0      | 0.00                    | 0.0             | 0.0         | 6.47             | 5.40        | 0.00               | 0.00              |
| C            | 172.0      | 0.00                    | 0.0             | 0.0         | 5.59             | 5.40        | 0.00               | 0.00              |
| C            | 162.0      | 0.00                    | 0.0             | 0.0         | 4.73             | 5.40        | 0.00               | 0.00              |
|              |            |                         |                 |             |                  |             |                    |                   |
| D            | 197.0      | 0.00                    | 180.0           | 0.0         | 0.07             | 0.05        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                    | 180.0           | 0.0         | 0.07             | 0.05        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                    | 318.0           | 0.0         | 0.09             | 0.05        | 0.02               | -0.04             |
| D            | 184.2      | 0.00                    | 318.0           | 0.0         | 0.09             | 0.05        | 0.03               | -0.05             |
| D            | 184.2      | 0.00                    | 318.0           | 0.0         | 0.10             | 0.05        | 0.03               | -0.06             |
| D            | 180.0      | 0.00                    | 318.0           | 0.0         | 0.10             | 0.05        | 0.03               | -0.06             |
| D            | 180.0      | 0.00                    | 320.8           | 0.0         | 0.13             | 0.09        | 0.04               | -0.08             |
| D            | 170.0      | 0.00                    | 322.4           | 0.0         | 0.12             | 0.09        | 0.05               | -0.08             |
| D            | 170.0      | 0.00                    | 324.3           | 0.0         | 0.13             | 0.09        | 0.06               | -0.09             |
| D            | 160.0      | 0.00                    | 324.5           | 0.0         | 0.13             | 0.10        | 0.07               | -0.09             |
| D            | 160.0      | 0.00                    | 332.1           | 0.0         | 0.13             | 0.12        | 0.10               | -0.09             |
| D            | 140.0      | 0.00                    | 327.6           | 0.0         | 0.14             | 0.12        | 0.09               | -0.09             |
| D            | 140.0      | 0.00                    | 336.5           | 0.0         | 0.14             | 0.15        | 0.12               | -0.08             |
| D            | 120.0      | 0.00                    | 333.6           | 0.0         | 0.15             | 0.15        | 0.11               | -0.09             |
| D            | 120.0      | 0.00                    | 339.8           | 0.0         | 0.15             | 0.15        | 0.14               | -0.08             |
| D            | 100.0      | 0.00                    | 337.7           | 0.0         | 0.15             | 0.16        | 0.13               | -0.08             |
| D            | 100.0      | 0.00                    | 342.4           | 0.0         | 0.15             | 0.18        | 0.16               | -0.08             |
| D            | 80.0       | 0.00                    | 340.8           | 0.0         | 0.16             | 0.19        | 0.14               | -0.08             |
| D            | 80.0       | 0.00                    | 344.2           | 0.0         | 0.15             | 0.19        | 0.17               | -0.07             |
| D            | 70.0       | 0.00                    | 344.2           | 0.0         | 0.15             | 0.19        | 0.17               | -0.07             |
| D            | 70.0       | 0.00                    | 343.3           | 0.0         | 0.15             | 0.19        | 0.17               | -0.08             |
| D            | 60.0       | 0.00                    | 343.3           | 0.0         | 0.15             | 0.19        | 0.17               | -0.08             |
| D            | 60.0       | 0.00                    | 345.8           | 0.0         | 0.15             | 0.22        | 0.19               | -0.07             |
| D            | 50.0       | 0.00                    | 345.8           | 0.0         | 0.15             | 0.22        | 0.19               | -0.07             |
| D            | 50.0       | 0.00                    | 345.1           | 0.0         | 0.16             | 0.22        | 0.18               | -0.07             |
| D            | 40.0       | 0.00                    | 345.1           | 0.0         | 0.16             | 0.22        | 0.18               | -0.07             |
| D            | 40.0       | 0.00                    | 347.1           | 0.0         | 0.15             | 0.28        | 0.21               | -0.06             |
| D            | 20.0       | 0.00                    | 346.5           | 0.0         | 0.14             | 0.29        | 0.20               | -0.06             |
| D            | 20.0       | 0.00                    | 348.2           | 0.0         | 0.14             | 0.30        | 0.23               | -0.05             |
| D            | 0.0        | 0.00                    | 347.7           | 0.0         | 0.14             | 0.31        | 0.22               | -0.06             |

=====

LOADING CONDITION M

111 mph wind with no ice. Wind Azimuth: 0° (0.9 D + 1.0 Wo)

MAST LOADING  
=====

| LOAD<br>TYPE | ELEV<br>ft | APPLY..<br>RADIUS<br>ft | LOAD..AT<br>AZI | LOAD<br>AZI | .....FORCES..... |             | .....MOMENTS.....  |                   |
|--------------|------------|-------------------------|-----------------|-------------|------------------|-------------|--------------------|-------------------|
|              |            |                         |                 |             | HORIZ<br>kip     | DOWN<br>kip | VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
| C            | 199.0      | 0.00                    | 0.0             | 0.0         | 0.05             | 0.41        | 0.00               | 0.00              |
| C            | 192.0      | 0.00                    | 0.0             | 0.0         | 8.17             | 6.30        | 0.00               | 0.00              |
| C            | 182.0      | 0.00                    | 0.0             | 0.0         | 6.47             | 4.05        | 0.00               | 0.00              |
| C            | 172.0      | 0.00                    | 0.0             | 0.0         | 5.59             | 4.05        | 0.00               | 0.00              |
| C            | 162.0      | 0.00                    | 0.0             | 0.0         | 4.73             | 4.05        | 0.00               | 0.00              |
|              |            |                         |                 |             |                  |             |                    |                   |
| D            | 197.0      | 0.00                    | 180.0           | 0.0         | 0.07             | 0.03        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                    | 180.0           | 0.0         | 0.07             | 0.03        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                    | 318.0           | 0.0         | 0.09             | 0.04        | 0.02               | -0.04             |
| D            | 184.2      | 0.00                    | 318.0           | 0.0         | 0.09             | 0.04        | 0.02               | -0.05             |
| D            | 184.2      | 0.00                    | 318.0           | 0.0         | 0.10             | 0.04        | 0.02               | -0.06             |
| D            | 180.0      | 0.00                    | 318.0           | 0.0         | 0.10             | 0.04        | 0.02               | -0.06             |
| D            | 180.0      | 0.00                    | 320.9           | 0.0         | 0.12             | 0.07        | 0.03               | -0.08             |
| D            | 160.0      | 0.00                    | 324.7           | 0.0         | 0.13             | 0.07        | 0.05               | -0.09             |
| D            | 160.0      | 0.00                    | 332.1           | 0.0         | 0.13             | 0.09        | 0.08               | -0.09             |
| D            | 140.0      | 0.00                    | 327.6           | 0.0         | 0.14             | 0.09        | 0.07               | -0.09             |
| D            | 140.0      | 0.00                    | 336.5           | 0.0         | 0.14             | 0.11        | 0.09               | -0.08             |
| D            | 120.0      | 0.00                    | 333.6           | 0.0         | 0.15             | 0.11        | 0.08               | -0.09             |

|   |       |      |       |     |      |      |      |       |
|---|-------|------|-------|-----|------|------|------|-------|
| D | 120.0 | 0.00 | 339.8 | 0.0 | 0.15 | 0.12 | 0.10 | -0.08 |
| D | 100.0 | 0.00 | 337.7 | 0.0 | 0.15 | 0.12 | 0.09 | -0.08 |
| D | 100.0 | 0.00 | 342.4 | 0.0 | 0.15 | 0.14 | 0.12 | -0.08 |
| D | 80.0  | 0.00 | 340.8 | 0.0 | 0.16 | 0.14 | 0.11 | -0.08 |
| D | 80.0  | 0.00 | 344.2 | 0.0 | 0.15 | 0.14 | 0.13 | -0.07 |
| D | 60.0  | 0.00 | 343.3 | 0.0 | 0.15 | 0.14 | 0.12 | -0.08 |
| D | 60.0  | 0.00 | 345.8 | 0.0 | 0.15 | 0.17 | 0.15 | -0.07 |
| D | 40.0  | 0.00 | 345.1 | 0.0 | 0.16 | 0.17 | 0.14 | -0.07 |
| D | 40.0  | 0.00 | 347.1 | 0.0 | 0.15 | 0.21 | 0.16 | -0.06 |
| D | 20.0  | 0.00 | 346.5 | 0.0 | 0.14 | 0.21 | 0.15 | -0.06 |
| D | 20.0  | 0.00 | 348.2 | 0.0 | 0.14 | 0.23 | 0.17 | -0.05 |
| D | 0.0   | 0.00 | 347.7 | 0.0 | 0.14 | 0.23 | 0.17 | -0.06 |

=====

LOADING CONDITION Y =====

30 mph wind with 1.5 ice. Wind Azimuth: 0° (1.2 D + 1.0 Di + 1.0 Wi)

MAST LOADING

=====

| LOAD<br>TYPE | ELEV<br>ft | APPLY.<br>RADIUS<br>ft | LOAD.<br>AZI | LOAD<br>AZI | .....FORCES..... |             | .....MOMENTS.....  |                   |
|--------------|------------|------------------------|--------------|-------------|------------------|-------------|--------------------|-------------------|
|              |            |                        |              |             | HORIZ<br>kip     | DOWN<br>kip | VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
| C            | 199.0      | 0.00                   | 0.0          | 0.0         | 0.01             | 1.08        | 0.00               | 0.00              |
| C            | 192.0      | 0.00                   | 0.0          | 0.0         | 1.02             | 20.92       | 0.00               | 0.00              |
| C            | 182.0      | 0.00                   | 0.0          | 0.0         | 0.81             | 13.41       | 0.00               | 0.00              |
| C            | 172.0      | 0.00                   | 0.0          | 0.0         | 0.55             | 13.36       | 0.00               | 0.00              |
| C            | 162.0      | 0.00                   | 0.0          | 0.0         | 0.59             | 13.31       | 0.00               | 0.00              |
| D            | 197.0      | 0.00                   | 180.0        | 0.0         | 0.01             | 0.20        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                   | 180.0        | 0.0         | 0.01             | 0.20        | 0.00               | 0.00              |
| D            | 192.7      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.20        | 0.09               | -0.01             |
| D            | 188.5      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.20        | 0.09               | -0.01             |
| D            | 188.5      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.21        | 0.11               | -0.01             |
| D            | 184.2      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.21        | 0.11               | -0.01             |
| D            | 184.2      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.23        | 0.14               | -0.01             |
| D            | 180.0      | 0.00                   | 318.0        | 0.0         | 0.01             | 0.23        | 0.14               | -0.01             |
| D            | 180.0      | 0.00                   | 320.8        | 0.0         | 0.01             | 0.30        | 0.18               | -0.01             |
| D            | 175.0      | 0.00                   | 320.8        | 0.0         | 0.01             | 0.30        | 0.18               | -0.01             |
| D            | 175.0      | 0.00                   | 322.2        | 0.0         | 0.01             | 0.28        | 0.21               | -0.01             |
| D            | 170.0      | 0.00                   | 322.2        | 0.0         | 0.01             | 0.28        | 0.21               | -0.01             |
| D            | 170.0      | 0.00                   | 324.3        | 0.0         | 0.01             | 0.29        | 0.24               | -0.01             |
| D            | 165.0      | 0.00                   | 324.3        | 0.0         | 0.01             | 0.29        | 0.24               | -0.01             |
| D            | 165.0      | 0.00                   | 324.4        | 0.0         | 0.01             | 0.30        | 0.26               | -0.01             |
| D            | 160.0      | 0.00                   | 324.4        | 0.0         | 0.01             | 0.30        | 0.26               | -0.01             |
| D            | 160.0      | 0.00                   | 332.2        | 0.0         | 0.01             | 0.34        | 0.34               | -0.01             |
| D            | 155.0      | 0.00                   | 332.2        | 0.0         | 0.01             | 0.34        | 0.34               | -0.01             |
| D            | 155.0      | 0.00                   | 330.7        | 0.0         | 0.01             | 0.35        | 0.33               | -0.01             |
| D            | 150.0      | 0.00                   | 330.7        | 0.0         | 0.01             | 0.35        | 0.33               | -0.01             |
| D            | 150.0      | 0.00                   | 329.2        | 0.0         | 0.01             | 0.35        | 0.32               | -0.01             |
| D            | 145.0      | 0.00                   | 329.2        | 0.0         | 0.01             | 0.35        | 0.32               | -0.01             |
| D            | 145.0      | 0.00                   | 327.7        | 0.0         | 0.01             | 0.36        | 0.30               | -0.01             |
| D            | 140.0      | 0.00                   | 327.7        | 0.0         | 0.01             | 0.36        | 0.30               | -0.01             |
| D            | 140.0      | 0.00                   | 336.5        | 0.0         | 0.01             | 0.38        | 0.40               | -0.01             |
| D            | 133.3      | 0.00                   | 336.5        | 0.0         | 0.01             | 0.38        | 0.40               | -0.01             |
| D            | 133.3      | 0.00                   | 335.1        | 0.0         | 0.02             | 0.39        | 0.38               | -0.01             |
| D            | 126.7      | 0.00                   | 335.1        | 0.0         | 0.02             | 0.39        | 0.38               | -0.01             |
| D            | 126.7      | 0.00                   | 333.7        | 0.0         | 0.02             | 0.40        | 0.36               | -0.01             |
| D            | 120.0      | 0.00                   | 333.7        | 0.0         | 0.02             | 0.40        | 0.36               | -0.01             |
| D            | 120.0      | 0.00                   | 339.8        | 0.0         | 0.02             | 0.40        | 0.46               | -0.01             |
| D            | 106.7      | 0.00                   | 338.8        | 0.0         | 0.02             | 0.41        | 0.44               | -0.01             |
| D            | 106.7      | 0.00                   | 337.7        | 0.0         | 0.02             | 0.42        | 0.42               | -0.01             |
| D            | 100.0      | 0.00                   | 337.7        | 0.0         | 0.02             | 0.42        | 0.42               | -0.01             |
| D            | 100.0      | 0.00                   | 342.4        | 0.0         | 0.02             | 0.44        | 0.52               | -0.01             |
| D            | 80.0       | 0.00                   | 340.8        | 0.0         | 0.02             | 0.45        | 0.48               | -0.01             |
| D            | 80.0       | 0.00                   | 344.2        | 0.0         | 0.02             | 0.45        | 0.57               | -0.01             |
| D            | 70.0       | 0.00                   | 344.2        | 0.0         | 0.02             | 0.45        | 0.57               | -0.01             |
| D            | 70.0       | 0.00                   | 343.3        | 0.0         | 0.02             | 0.45        | 0.54               | -0.01             |
| D            | 60.0       | 0.00                   | 343.3        | 0.0         | 0.02             | 0.45        | 0.54               | -0.01             |
| D            | 60.0       | 0.00                   | 345.8        | 0.0         | 0.02             | 0.50        | 0.62               | -0.01             |
| D            | 40.0       | 0.00                   | 345.1        | 0.0         | 0.02             | 0.51        | 0.59               | -0.01             |
| D            | 40.0       | 0.00                   | 347.1        | 0.0         | 0.01             | 0.56        | 0.66               | 0.00              |
| D            | 20.0       | 0.00                   | 346.5        | 0.0         | 0.01             | 0.56        | 0.64               | -0.01             |
| D            | 20.0       | 0.00                   | 348.2        | 0.0         | 0.01             | 0.54        | 0.35               | 0.00              |
| D            | 10.0       | 0.00                   | 348.2        | 0.0         | 0.01             | 0.54        | 0.35               | 0.00              |
| D            | 10.0       | 0.00                   | 347.7        | 0.0         | 0.01             | 0.56        | 0.57               | 0.00              |
| D            | 0.0        | 0.00                   | 347.7        | 0.0         | 0.01             | 0.56        | 0.57               | 0.00              |

=====

LOADING CONDITION k =====

Seismic - Azimuth: 0° (1.2 D + 1.0 Ev + 1.0 Eh)

MAST LOADING

=====

| LOAD<br>TYPE | ELEV<br>ft | APPLY..<br>RADIUS<br>ft | LOAD..<br>AZI | AT<br>AZI | LOAD<br>AZI | .....FORCES..... |             | .....MOMENTS.....  |                   |
|--------------|------------|-------------------------|---------------|-----------|-------------|------------------|-------------|--------------------|-------------------|
|              |            |                         |               |           |             | HORIZ<br>kip     | DOWN<br>kip | VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
| C            | 199.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.56        | 0.00               | 0.00              |
| C            | 192.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.52             | 8.73        | 0.00               | 0.00              |
| C            | 188.5      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.06             | 1.04        | 0.00               | 0.00              |
| C            | 187.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.13        | 0.00               | 0.00              |
| C            | 182.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.31             | 5.61        | 0.00               | 0.00              |
| C            | 181.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.00             | 0.04        | 0.00               | 0.00              |
| C            | 176.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.16        | 0.00               | 0.00              |
| C            | 172.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.29             | 5.61        | 0.00               | 0.00              |
| C            | 170.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 1.71        | 0.00               | 0.00              |
| C            | 167.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.28        | 0.00               | 0.00              |
| C            | 162.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.27             | 5.61        | 0.00               | 0.00              |
| C            | 161.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.00             | 0.07        | 0.00               | 0.00              |
| C            | 150.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.10             | 2.20        | 0.00               | 0.00              |
| C            | 150.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.72        | 0.00               | 0.00              |
| C            | 130.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.11             | 2.76        | 0.00               | 0.00              |
| C            | 130.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.72        | 0.00               | 0.00              |
| C            | 110.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 2.88        | 0.00               | 0.00              |
| C            | 110.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.02             | 0.72        | 0.00               | 0.00              |
| C            | 90.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 3.71        | 0.00               | 0.00              |
| C            | 90.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.02             | 0.72        | 0.00               | 0.00              |
| C            | 70.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.07             | 3.75        | 0.00               | 0.00              |
| C            | 70.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.72        | 0.00               | 0.00              |
| C            | 50.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.06             | 4.48        | 0.00               | 0.00              |
| C            | 50.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.72        | 0.00               | 0.00              |
| C            | 30.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.04             | 5.80        | 0.00               | 0.00              |
| C            | 30.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.72        | 0.00               | 0.00              |
| C            | 10.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 6.32        | 0.00               | 0.00              |
| C            | 10.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.00             | 0.72        | 0.00               | 0.00              |
| D            | 197.0      | 0.00                    | 180.0         | 180.0     | 0.00        | 0.00             | 0.00        | 0.00               | 0.00              |
| D            | 0.0        | 0.00                    | 180.0         | 180.0     | 0.00        | 0.00             | 0.00        | 0.00               | 0.00              |

=====

LOADING CONDITION n =====

Seismic - Azimuth: 0° (0.9 D - 1.0 Ev + 1.0 Eh)

MAST LOADING

=====

| LOAD<br>TYPE | ELEV<br>ft | APPLY..<br>RADIUS<br>ft | LOAD..<br>AZI | AT<br>AZI | LOAD<br>AZI | .....FORCES..... |             | .....MOMENTS.....  |                   |
|--------------|------------|-------------------------|---------------|-----------|-------------|------------------|-------------|--------------------|-------------------|
|              |            |                         |               |           |             | HORIZ<br>kip     | DOWN<br>kip | VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
| C            | 199.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.38        | 0.00               | 0.00              |
| C            | 192.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.52             | 5.97        | 0.00               | 0.00              |
| C            | 188.5      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.06             | 0.71        | 0.00               | 0.00              |
| C            | 187.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.09        | 0.00               | 0.00              |
| C            | 182.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.31             | 3.84        | 0.00               | 0.00              |
| C            | 181.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.00             | 0.03        | 0.00               | 0.00              |
| C            | 176.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.11        | 0.00               | 0.00              |
| C            | 172.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.29             | 3.84        | 0.00               | 0.00              |
| C            | 170.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 1.17        | 0.00               | 0.00              |
| C            | 167.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.01             | 0.19        | 0.00               | 0.00              |
| C            | 162.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.27             | 3.84        | 0.00               | 0.00              |
| C            | 161.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.00             | 0.05        | 0.00               | 0.00              |
| C            | 150.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.10             | 1.51        | 0.00               | 0.00              |
| C            | 150.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.49        | 0.00               | 0.00              |
| C            | 130.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.11             | 1.89        | 0.00               | 0.00              |
| C            | 130.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.03             | 0.49        | 0.00               | 0.00              |
| C            | 110.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 1.97        | 0.00               | 0.00              |
| C            | 110.0      | 0.00                    | 0.0           | 0.0       | 0.0         | 0.02             | 0.49        | 0.00               | 0.00              |
| C            | 90.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.09             | 2.54        | 0.00               | 0.00              |
| C            | 90.0       | 0.00                    | 0.0           | 0.0       | 0.0         | 0.02             | 0.49        | 0.00               | 0.00              |

|   |       |      |       |       |      |      |      |      |
|---|-------|------|-------|-------|------|------|------|------|
| C | 70.0  | 0.00 | 0.0   | 0.0   | 0.07 | 2.57 | 0.00 | 0.00 |
| C | 70.0  | 0.00 | 0.0   | 0.0   | 0.01 | 0.49 | 0.00 | 0.00 |
| C | 50.0  | 0.00 | 0.0   | 0.0   | 0.06 | 3.07 | 0.00 | 0.00 |
| C | 50.0  | 0.00 | 0.0   | 0.0   | 0.01 | 0.49 | 0.00 | 0.00 |
| C | 30.0  | 0.00 | 0.0   | 0.0   | 0.04 | 3.97 | 0.00 | 0.00 |
| C | 30.0  | 0.00 | 0.0   | 0.0   | 0.01 | 0.49 | 0.00 | 0.00 |
| C | 10.0  | 0.00 | 0.0   | 0.0   | 0.01 | 4.33 | 0.00 | 0.00 |
| C | 10.0  | 0.00 | 0.0   | 0.0   | 0.00 | 0.49 | 0.00 | 0.00 |
| D | 197.0 | 0.00 | 180.0 | 180.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| D | 0.0   | 0.00 | 180.0 | 180.0 | 0.00 | 0.00 | 0.00 | 0.00 |

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MAXIMUM TENSION IN MAST MEMBERS (kip)

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| ELEV<br>ft | LEGS     | DIAG   | HORIZ  | BRACE  |
|------------|----------|--------|--------|--------|
| 197.0      | -----    |        | 0.75 A | 0.00 A |
|            | 0.40 S   | 1.01 S |        |        |
| 192.7      | -----    |        | 0.10 G | 0.00 A |
|            | 1.42 M   | 3.18 R |        |        |
| 188.5      | -----    |        | 0.05 I | 0.00 A |
|            | 9.52 M   | 4.02 F |        |        |
| 184.2      | -----    |        | 0.08 Y | 0.00 A |
|            | 18.76 M  | 5.49 R |        |        |
| 180.0      | -----    |        | 0.36 A | 0.00 A |
|            | 31.70 M  | 6.05 X |        |        |
| 175.0      | -----    |        | 0.22 A | 0.00 A |
|            | 46.33 M  | 6.76 L |        |        |
| 170.0      | -----    |        | 0.01 Y | 0.00 A |
|            | 60.79 M  | 7.44 X |        |        |
| 165.0      | -----    |        | 0.24 A | 0.00 A |
|            | 76.72 M  | 7.85 F |        |        |
| 160.0      | -----    |        | 0.03 A | 0.00 A |
|            | 91.81 M  | 8.37 X |        |        |
| 155.0      | -----    |        | 0.18 A | 0.00 A |
|            | 108.08 M | 8.05 L |        |        |
| 150.0      | -----    |        | 0.08 A | 0.00 A |
|            | 121.88 M | 7.55 X |        |        |
| 145.0      | -----    |        | 0.15 A | 0.00 A |
|            | 135.32 M | 7.36 L |        |        |
| 140.0      | -----    |        | 0.09 A | 0.00 A |
|            | 148.84 M | 7.58 X |        |        |
| 133.3      | -----    |        | 0.15 A | 0.00 A |
|            | 163.84 M | 7.35 L |        |        |
| 126.7      | -----    |        | 0.09 A | 0.00 A |
|            | 177.07 M | 7.04 X |        |        |
| 120.0      | -----    |        | 0.13 A | 0.00 A |
|            | 189.83 M | 6.93 F |        |        |
| 113.3      | -----    |        | 0.06 A | 0.00 A |
|            | 201.44 M | 6.74 X |        |        |
| 106.7      | -----    |        | 0.11 A | 0.00 A |
|            | 212.67 M | 6.69 F |        |        |
| 100.0      | -----    |        | 0.06 A | 0.00 A |
|            | 223.11 M | 6.60 L |        |        |
| 93.3       | -----    |        | 0.14 A | 0.00 A |
|            | 233.21 M | 6.59 F |        |        |
| 86.7       | -----    |        | 0.05 A | 0.00 A |
|            | 242.82 M | 6.56 L |        |        |
| 80.0       | -----    |        | 0.13 A | 0.00 A |
|            | 254.27 M | 7.19 F |        |        |
| 70.0       | -----    |        | 0.12 A | 0.00 A |
|            | 267.54 M | 7.15 L |        |        |
| 60.0       | -----    |        | 0.08 A | 0.00 A |
|            | 280.21 M | 7.19 F |        |        |
| 50.0       | -----    |        | 0.11 A | 0.00 A |
|            | 292.36 M | 7.23 L |        |        |
| 40.0       | -----    |        | 0.07 A | 0.00 A |
|            | 304.08 M | 7.36 G |        |        |
| 30.0       | -----    |        | 0.06 A | 0.00 A |
|            | 315.31 M | 7.41 G |        |        |
| 20.0       | -----    |        | 0.01 k | 0.00 A |
|            | 326.23 M | 7.58 G |        |        |
| 10.0       | -----    |        | 0.06 A | 0.00 A |
|            | 336.74 M | 7.59 G |        |        |
| 0.0        | -----    |        | 0.00 A | 0.00 A |

MAXIMUM COMPRESSION IN MAST MEMBERS (kip)  
=====

| ELEV<br>ft | LEGS      | DIAG    | HORIZ   | BRACE  |
|------------|-----------|---------|---------|--------|
| 197.0      | -----     |         | -0.72 S | 0.00 A |
|            | -0.75 A   | -1.03 A |         |        |
| 192.7      | -----     |         | -0.06 M | 0.00 A |
|            | -6.96 e   | -3.21 L |         |        |
| 188.5      | -----     |         | -0.05 W | 0.00 A |
|            | -15.21 G  | -4.00 X |         |        |
| 184.2      | -----     |         | 0.00 A  | 0.00 A |
|            | -26.03 G  | -5.59 L |         |        |
| 180.0      | -----     |         | -0.30 S | 0.00 A |
|            | -40.60 G  | -6.44 L |         |        |
| 175.0      | -----     |         | -0.15 S | 0.00 A |
|            | -57.70 G  | -6.58 X |         |        |
| 170.0      | -----     |         | 0.00 S  | 0.00 A |
|            | -73.94 G  | -7.70 L |         |        |
| 165.0      | -----     |         | -0.17 S | 0.00 A |
|            | -92.04 G  | -7.76 X |         |        |
| 160.0      | -----     |         | -0.02 S | 0.00 A |
|            | -109.23 G | -8.56 F |         |        |
| 155.0      | -----     |         | -0.14 S | 0.00 A |
|            | -126.40 G | -7.94 X |         |        |
| 150.0      | -----     |         | -0.06 S | 0.00 A |
|            | -140.54 G | -7.69 L |         |        |
| 145.0      | -----     |         | -0.12 S | 0.00 A |
|            | -154.79 G | -7.28 X |         |        |
| 140.0      | -----     |         | -0.07 S | 0.00 A |
|            | -168.86 G | -7.71 L |         |        |
| 133.3      | -----     |         | -0.12 S | 0.00 A |
|            | -184.98 G | -7.29 X |         |        |
| 126.7      | -----     |         | -0.07 S | 0.00 A |
|            | -199.01 G | -7.13 F |         |        |
| 120.0      | -----     |         | -0.11 S | 0.00 A |
|            | -212.86 G | -6.89 L |         |        |
| 113.3      | -----     |         | -0.05 S | 0.00 A |
|            | -225.37 G | -6.81 F |         |        |
| 106.7      | -----     |         | -0.09 S | 0.00 A |
|            | -237.69 G | -6.67 L |         |        |
| 100.0      | -----     |         | -0.05 S | 0.00 A |
|            | -249.15 G | -6.68 G |         |        |
| 93.3       | -----     |         | -0.12 S | 0.00 A |
|            | -260.44 G | -6.59 L |         |        |
| 86.7       | -----     |         | -0.04 S | 0.00 A |
|            | -271.19 G | -6.64 G |         |        |
| 80.0       | -----     |         | -0.11 S | 0.00 A |
|            | -284.11 G | -7.35 G |         |        |
| 70.0       | -----     |         | -0.10 S | 0.00 A |
|            | -299.17 G | -7.36 G |         |        |
| 60.0       | -----     |         | -0.07 S | 0.00 A |
|            | -313.76 G | -7.40 G |         |        |
| 50.0       | -----     |         | -0.09 S | 0.00 A |
|            | -327.93 G | -7.52 G |         |        |
| 40.0       | -----     |         | -0.06 S | 0.00 A |
|            | -341.90 G | -7.56 G |         |        |
| 30.0       | -----     |         | -0.05 S | 0.00 A |
|            | -355.54 G | -7.69 G |         |        |
| 20.0       | -----     |         | 0.00 S  | 0.00 A |
|            | -368.99 G | -7.72 G |         |        |
| 10.0       | -----     |         | -0.05 S | 0.00 A |
|            | -382.06 G | -7.92 G |         |        |
| 0.0        | -----     |         | 0.00 A  | 0.00 A |

FORCE/RESISTANCE RATIO IN LEGS  
=====

| MAST<br>ELEV<br>ft | -- LEG COMPRESSION -- |                |                           | ---- LEG TENSION ---- |                |                           |
|--------------------|-----------------------|----------------|---------------------------|-----------------------|----------------|---------------------------|
|                    | MAX<br>COMP           | COMP<br>RESIST | FORCE/<br>RESIST<br>RATIO | MAX<br>TENS           | TENS<br>RESIST | FORCE/<br>RESIST<br>RATIO |
| 197.00             | -----                 |                |                           | -----                 |                |                           |
|                    | 0.75                  | 62.50          | 0.01                      | 0.40                  | 77.27          | 0.01                      |
| 192.75             | -----                 |                |                           | -----                 |                |                           |

|        |        |        |      |        |        |      |
|--------|--------|--------|------|--------|--------|------|
| 188.50 | 6.96   | 62.50  | 0.11 | 1.42   | 77.27  | 0.02 |
| 184.25 | 15.21  | 62.50  | 0.24 | 9.52   | 77.27  | 0.12 |
| 180.00 | 26.03  | 62.50  | 0.42 | 18.76  | 77.27  | 0.24 |
| 175.00 | 40.60  | 111.82 | 0.36 | 31.70  | 136.93 | 0.23 |
| 170.00 | 57.70  | 111.82 | 0.52 | 46.33  | 136.93 | 0.34 |
| 165.00 | 73.94  | 111.82 | 0.66 | 60.79  | 136.93 | 0.44 |
| 160.00 | 92.04  | 111.82 | 0.82 | 76.72  | 136.93 | 0.56 |
| 155.00 | 109.23 | 177.29 | 0.62 | 91.81  | 199.92 | 0.46 |
| 150.00 | 126.40 | 177.29 | 0.71 | 108.08 | 199.92 | 0.54 |
| 145.00 | 140.54 | 177.29 | 0.79 | 121.88 | 199.92 | 0.61 |
| 140.00 | 154.79 | 177.29 | 0.87 | 135.32 | 199.92 | 0.68 |
| 133.33 | 168.86 | 241.28 | 0.70 | 148.84 | 277.05 | 0.54 |
| 126.67 | 184.98 | 241.28 | 0.77 | 163.84 | 277.05 | 0.59 |
| 120.00 | 199.01 | 241.28 | 0.82 | 177.07 | 277.05 | 0.64 |
| 113.33 | 212.86 | 241.28 | 0.88 | 189.83 | 277.05 | 0.69 |
| 106.67 | 225.37 | 241.28 | 0.93 | 201.44 | 277.05 | 0.73 |
| 100.00 | 237.69 | 241.28 | 0.99 | 212.67 | 277.05 | 0.77 |
| 93.33  | 249.15 | 312.59 | 0.80 | 223.11 | 361.16 | 0.62 |
| 86.67  | 260.44 | 312.59 | 0.83 | 233.21 | 361.16 | 0.65 |
| 80.00  | 271.19 | 312.59 | 0.87 | 242.82 | 361.16 | 0.67 |
| 70.00  | 284.11 | 336.31 | 0.84 | 254.27 | 379.88 | 0.67 |
| 60.00  | 299.17 | 336.31 | 0.89 | 267.54 | 379.88 | 0.70 |
| 50.00  | 313.76 | 336.31 | 0.93 | 280.21 | 379.88 | 0.74 |
| 40.00  | 327.93 | 336.31 | 0.98 | 292.36 | 379.88 | 0.77 |
| 30.00  | 341.90 | 509.22 | 0.67 | 304.08 | 523.32 | 0.58 |
| 20.00  | 355.54 | 509.22 | 0.70 | 315.31 | 523.32 | 0.60 |
| 10.00  | 368.99 | 509.22 | 0.72 | 326.23 | 578.14 | 0.56 |
| 0.00   | 382.06 | 509.22 | 0.75 | 336.74 | 578.14 | 0.58 |

FORCE/RESISTANCE RATIO IN DIAGONALS  
=====

| MAST<br>ELEV<br>ft | - DIAG COMPRESSION - |                |                           | --- DIAG TENSION --- |                |                           |
|--------------------|----------------------|----------------|---------------------------|----------------------|----------------|---------------------------|
|                    | MAX<br>COMP          | COMP<br>RESIST | FORCE/<br>RESIST<br>RATIO | MAX<br>TENS          | TENS<br>RESIST | FORCE/<br>RESIST<br>RATIO |
| 197.00             | 1.03                 | 7.16           | 0.14                      | 1.01                 | 7.16           | 0.14                      |
| 192.75             | 3.21                 | 7.16           | 0.45                      | 3.18                 | 7.16           | 0.44                      |
| 188.50             | 4.00                 | 7.16           | 0.56                      | 4.02                 | 7.16           | 0.56                      |
| 184.25             | 5.59                 | 7.16           | 0.78                      | 5.49                 | 7.16           | 0.77                      |
| 180.00             | 6.44                 | 10.74          | 0.60                      | 6.05                 | 10.74          | 0.56                      |
| 175.00             | 6.58                 | 10.74          | 0.61                      | 6.76                 | 10.74          | 0.63                      |
| 170.00             | 7.70                 | 10.74          | 0.72                      | 7.44                 | 10.74          | 0.69                      |
| 165.00             | 7.76                 | 10.74          | 0.72                      | 7.85                 | 10.74          | 0.73                      |

|        |      |       |      |      |       |      |
|--------|------|-------|------|------|-------|------|
| 160.00 | 8.56 | 10.38 | 0.82 | 8.37 | 10.38 | 0.81 |
| 155.00 | 7.94 | 10.38 | 0.76 | 8.05 | 10.38 | 0.78 |
| 150.00 | 7.69 | 10.38 | 0.74 | 7.55 | 10.38 | 0.73 |
| 145.00 | 7.28 | 10.38 | 0.70 | 7.36 | 10.38 | 0.71 |
| 140.00 | 7.71 | 12.47 | 0.62 | 7.58 | 12.47 | 0.61 |
| 133.33 | 7.29 | 12.47 | 0.58 | 7.35 | 12.47 | 0.59 |
| 126.67 | 7.13 | 12.47 | 0.57 | 7.04 | 12.47 | 0.56 |
| 120.00 | 6.89 | 9.45  | 0.73 | 6.93 | 9.45  | 0.73 |
| 113.33 | 6.81 | 9.45  | 0.72 | 6.74 | 9.45  | 0.71 |
| 106.67 | 6.67 | 9.45  | 0.71 | 6.69 | 9.45  | 0.71 |
| 100.00 | 6.68 | 7.32  | 0.91 | 6.60 | 7.32  | 0.90 |
| 93.33  | 6.59 | 7.32  | 0.90 | 6.59 | 7.32  | 0.90 |
| 86.67  | 6.64 | 7.32  | 0.91 | 6.56 | 7.32  | 0.90 |
| 80.00  | 7.35 | 8.84  | 0.83 | 7.19 | 8.84  | 0.81 |
| 70.00  | 7.36 | 8.84  | 0.83 | 7.15 | 8.84  | 0.81 |
| 60.00  | 7.40 | 15.88 | 0.47 | 7.19 | 15.88 | 0.45 |
| 50.00  | 7.52 | 15.88 | 0.47 | 7.23 | 15.88 | 0.46 |
| 40.00  | 7.56 | 13.59 | 0.56 | 7.36 | 13.59 | 0.54 |
| 30.00  | 7.69 | 13.59 | 0.57 | 7.41 | 13.59 | 0.55 |
| 20.00  | 7.72 | 17.02 | 0.45 | 7.58 | 17.02 | 0.45 |
| 10.00  | 7.92 | 17.02 | 0.47 | 7.59 | 17.02 | 0.45 |
| 0.00   |      |       |      |      |       |      |

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)  
=====

| -----LOAD-----COMPONENTS----- |          |          |           | TOTAL   |
|-------------------------------|----------|----------|-----------|---------|
| NORTH                         | EAST     | DOWN     | UPLIFT    | SHEAR   |
| 34.22 G                       | -27.11 C | 388.06 G | -341.46 M | 34.22 G |

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)  
=====

| -----HORIZONTAL----- |      |       | DOWN  | -----OVERTURNING----- |         |        | TORSION |
|----------------------|------|-------|-------|-----------------------|---------|--------|---------|
| NORTH                | EAST | TOTAL |       | NORTH                 | EAST    | TOTAL  |         |
|                      | @    | 0.0   |       |                       | @       | 0.0    |         |
| 55.2                 | 45.8 | 55.2  | 144.7 | 7330.7                | -6401.4 | 7330.7 | -26.6   |
| G                    | J    | G     | a     | G                     | D       | G      | B       |

=====

Latticed Tower Analysis (Unguyed) (c)2024 Guymast Inc. 416-736-7453  
Processed under license at:  
Sabre Towers and Poles on: 19 jun 2025 at: 10:20:23  
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\*\*\*\*\*  
\*\*\*\*\* Service Load Condition \*\*\*\*\*  
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\* Only 1 condition(s) shown in full

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LOADING CONDITION A

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60 mph wind with no ice. Wind Azimuth: 0° (1.0 D + 1.0 Wo)

MAST LOADING

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| LOAD<br>TYPE | ELEV<br>ft | APPLY.<br>RADIUS<br>ft | LOAD.<br>AT<br>AZI | LOAD<br>AZI | .....FORCES.....<br>HORIZ<br>kip | DOWN<br>kip | .....MOMENTS.....<br>VERTICAL<br>ft-kip | TORSNAL<br>ft-kip |
|--------------|------------|------------------------|--------------------|-------------|----------------------------------|-------------|-----------------------------------------|-------------------|
| C            | 199.0      | 0.00                   | 0.0                | 0.0         | 0.01                             | 0.45        | 0.00                                    | 0.00              |
| C            | 192.0      | 0.00                   | 0.0                | 0.0         | 2.39                             | 7.00        | 0.00                                    | 0.00              |
| C            | 182.0      | 0.00                   | 0.0                | 0.0         | 1.89                             | 4.50        | 0.00                                    | 0.00              |
| C            | 172.0      | 0.00                   | 0.0                | 0.0         | 1.63                             | 4.50        | 0.00                                    | 0.00              |
| C            | 162.0      | 0.00                   | 0.0                | 0.0         | 1.38                             | 4.50        | 0.00                                    | 0.00              |
| D            | 197.0      | 0.00                   | 180.0              | 0.0         | 0.02                             | 0.04        | 0.00                                    | 0.00              |
| D            | 192.7      | 0.00                   | 180.0              | 0.0         | 0.02                             | 0.04        | 0.00                                    | 0.00              |
| D            | 192.7      | 0.00                   | 318.0              | 0.0         | 0.03                             | 0.04        | 0.02                                    | -0.01             |
| D            | 180.0      | 0.00                   | 318.0              | 0.0         | 0.03                             | 0.05        | 0.03                                    | -0.02             |
| D            | 180.0      | 0.00                   | 320.9              | 0.0         | 0.04                             | 0.07        | 0.04                                    | -0.02             |
| D            | 160.0      | 0.00                   | 324.7              | 0.0         | 0.04                             | 0.08        | 0.06                                    | -0.03             |
| D            | 160.0      | 0.00                   | 332.1              | 0.0         | 0.04                             | 0.10        | 0.09                                    | -0.03             |
| D            | 140.0      | 0.00                   | 327.6              | 0.0         | 0.04                             | 0.10        | 0.07                                    | -0.03             |
| D            | 140.0      | 0.00                   | 336.5              | 0.0         | 0.04                             | 0.12        | 0.10                                    | -0.02             |
| D            | 120.0      | 0.00                   | 333.6              | 0.0         | 0.05                             | 0.13        | 0.09                                    | -0.03             |
| D            | 120.0      | 0.00                   | 339.8              | 0.0         | 0.04                             | 0.13        | 0.12                                    | -0.02             |
| D            | 100.0      | 0.00                   | 337.7              | 0.0         | 0.05                             | 0.13        | 0.10                                    | -0.02             |
| D            | 100.0      | 0.00                   | 342.4              | 0.0         | 0.05                             | 0.15        | 0.13                                    | -0.02             |
| D            | 80.0       | 0.00                   | 340.8              | 0.0         | 0.05                             | 0.15        | 0.12                                    | -0.02             |
| D            | 80.0       | 0.00                   | 344.2              | 0.0         | 0.05                             | 0.16        | 0.15                                    | -0.02             |
| D            | 60.0       | 0.00                   | 343.3              | 0.0         | 0.05                             | 0.16        | 0.14                                    | -0.02             |
| D            | 60.0       | 0.00                   | 345.8              | 0.0         | 0.05                             | 0.18        | 0.16                                    | -0.02             |
| D            | 40.0       | 0.00                   | 345.1              | 0.0         | 0.05                             | 0.19        | 0.15                                    | -0.02             |
| D            | 40.0       | 0.00                   | 347.1              | 0.0         | 0.05                             | 0.24        | 0.18                                    | -0.02             |
| D            | 20.0       | 0.00                   | 346.5              | 0.0         | 0.05                             | 0.24        | 0.17                                    | -0.02             |
| D            | 20.0       | 0.00                   | 348.2              | 0.0         | 0.04                             | 0.25        | 0.19                                    | -0.02             |
| D            | 0.0        | 0.00                   | 347.7              | 0.0         | 0.05                             | 0.26        | 0.19                                    | -0.02             |

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MAXIMUM MAST DISPLACEMENTS:

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| ELEV<br>ft | -----DEFLECTIONS (ft)-----<br>NORTH EAST DOWN |         |         | --TILTS (DEG)---<br>NORTH EAST |         | TWIST<br>DEG |
|------------|-----------------------------------------------|---------|---------|--------------------------------|---------|--------------|
| 197.0      | 0.696 G                                       | 0.634 J | 0.011 G | 0.431 G                        | 0.401 J | 0.035 H      |
| 192.7      | 0.664 G                                       | 0.605 J | 0.011 G | 0.431 G                        | 0.401 J | 0.035 H      |
| 188.5      | 0.631 G                                       | 0.574 J | 0.011 G | 0.430 G                        | 0.400 J | 0.035 H      |
| 184.2      | 0.599 G                                       | 0.544 J | 0.010 G | 0.424 G                        | 0.394 J | 0.035 H      |
| 180.0      | 0.567 G                                       | 0.514 J | 0.010 G | 0.413 G                        | 0.383 J | 0.034 H      |
| 175.0      | 0.531 G                                       | 0.481 J | 0.010 G | 0.402 G                        | 0.373 J | 0.033 H      |
| 170.0      | 0.496 G                                       | 0.448 J | 0.009 G | 0.388 G                        | 0.359 J | 0.032 H      |
| 165.0      | 0.461 G                                       | 0.416 J | 0.009 G | 0.371 G                        | 0.343 J | 0.031 H      |
| 160.0      | 0.429 G                                       | 0.387 J | 0.008 G | 0.352 G                        | 0.324 J | 0.029 H      |
| 155.0      | 0.398 G                                       | 0.358 J | 0.008 G | 0.337 G                        | 0.310 J | 0.028 H      |
| 150.0      | 0.368 G                                       | 0.331 J | 0.008 G | 0.321 G                        | 0.295 J | 0.027 H      |
| 145.0      | 0.340 G                                       | 0.305 J | 0.007 G | 0.304 G                        | 0.278 J | 0.025 H      |
| 140.0      | 0.313 G                                       | 0.280 J | 0.007 G | 0.286 G                        | 0.261 J | 0.024 H      |
| 133.3      | 0.280 G                                       | 0.250 J | 0.007 G | 0.268 G                        | 0.244 J | 0.022 H      |
| 126.7      | 0.249 G                                       | 0.222 J | 0.006 G | 0.250 G                        | 0.227 J | 0.021 H      |
| 120.0      | 0.220 G                                       | 0.195 J | 0.006 G | 0.231 G                        | 0.210 J | 0.019 H      |
| 113.3      | 0.193 G                                       | 0.171 J | 0.005 G | 0.212 G                        | 0.192 J | 0.017 H      |
| 106.7      | 0.168 G                                       | 0.149 J | 0.005 G | 0.193 G                        | 0.174 J | 0.016 H      |
| 100.0      | 0.146 G                                       | 0.129 J | 0.005 G | 0.174 G                        | 0.157 J | 0.014 H      |
| 93.3       | 0.125 G                                       | 0.110 J | 0.004 G | 0.160 G                        | 0.144 J | 0.013 H      |
| 86.7       | 0.107 G                                       | 0.094 J | 0.004 G | 0.146 G                        | 0.131 J | 0.011 H      |
| 80.0       | 0.089 G                                       | 0.079 J | 0.004 G | 0.131 G                        | 0.118 J | 0.010 H      |
| 70.0       | 0.067 G                                       | 0.059 J | 0.003 G | 0.111 G                        | 0.099 J | 0.008 H      |
| 60.0       | 0.048 G                                       | 0.042 J | 0.003 G | 0.091 G                        | 0.081 J | 0.006 H      |
| 50.0       | 0.033 G                                       | 0.029 J | 0.002 G | 0.071 G                        | 0.063 J | 0.005 H      |
| 40.0       | 0.022 G                                       | 0.019 J | 0.002 G | 0.051 G                        | 0.045 J | 0.004 H      |

|      |         |         |         |         |         |         |
|------|---------|---------|---------|---------|---------|---------|
| 30.0 | 0.013 G | 0.011 J | 0.001 E | 0.038 G | 0.034 J | 0.003 H |
| 20.0 | 0.007 G | 0.006 J | 0.001 E | 0.025 G | 0.022 J | 0.002 H |
| 10.0 | 0.002 G | 0.002 J | 0.000 E | 0.012 G | 0.011 J | 0.001 H |
| 0.0  | 0.000 A | 0.000 A | 0.000 A | 0.000 A | 0.000 A | 0.000 A |

# MAXIMUM TENSION IN MAST MEMBERS (kip)

=====

| ELEV<br>ft | LEGS    | DIAG   | HORIZ  | BRACE  |
|------------|---------|--------|--------|--------|
| 197.0      | -----   |        | 0.23 A | 0.00 A |
|            | 0.00 G  | 0.29 G |        |        |
| 192.7      | -----   |        | 0.04 G | 0.00 A |
|            | 0.00 A  | 0.93 F |        |        |
| 188.5      | -----   |        | 0.02 E | 0.00 A |
|            | 0.86 A  | 1.19 F |        |        |
| 184.2      | -----   |        | 0.03 A | 0.00 A |
|            | 3.06 A  | 1.58 L |        |        |
| 180.0      | -----   |        | 0.12 I | 0.00 A |
|            | 6.35 A  | 1.64 L |        |        |
| 175.0      | -----   |        | 0.09 A | 0.00 A |
|            | 9.85 A  | 2.04 L |        |        |
| 170.0      | -----   |        | 0.01 A | 0.00 A |
|            | 13.53 A | 2.10 L |        |        |
| 165.0      | -----   |        | 0.09 A | 0.00 A |
|            | 17.52 A | 2.33 L |        |        |
| 160.0      | -----   |        | 0.01 A | 0.00 A |
|            | 21.30 A | 2.40 L |        |        |
| 155.0      | -----   |        | 0.06 A | 0.00 A |
|            | 25.85 A | 2.40 L |        |        |
| 150.0      | -----   |        | 0.03 A | 0.00 A |
|            | 29.88 A | 2.18 F |        |        |
| 145.0      | -----   |        | 0.05 A | 0.00 A |
|            | 33.64 A | 2.19 L |        |        |
| 140.0      | -----   |        | 0.03 A | 0.00 A |
|            | 37.54 A | 2.20 F |        |        |
| 133.3      | -----   |        | 0.05 A | 0.00 A |
|            | 41.71 A | 2.19 L |        |        |
| 126.7      | -----   |        | 0.03 A | 0.00 A |
|            | 45.47 A | 2.05 F |        |        |
| 120.0      | -----   |        | 0.05 A | 0.00 A |
|            | 49.00 A | 2.07 F |        |        |
| 113.3      | -----   |        | 0.02 A | 0.00 A |
|            | 52.28 A | 1.98 L |        |        |
| 106.7      | -----   |        | 0.04 A | 0.00 A |
|            | 55.38 A | 2.00 F |        |        |
| 100.0      | -----   |        | 0.02 A | 0.00 A |
|            | 58.29 A | 1.96 L |        |        |
| 93.3       | -----   |        | 0.05 A | 0.00 A |
|            | 61.05 A | 1.97 L |        |        |
| 86.7       | -----   |        | 0.02 A | 0.00 A |
|            | 63.68 A | 1.95 L |        |        |
| 80.0       | -----   |        | 0.04 A | 0.00 A |
|            | 66.80 A | 2.15 F |        |        |
| 70.0       | -----   |        | 0.04 A | 0.00 A |
|            | 70.42 A | 2.15 L |        |        |
| 60.0       | -----   |        | 0.03 A | 0.00 A |
|            | 73.83 A | 2.18 F |        |        |
| 50.0       | -----   |        | 0.04 A | 0.00 A |
|            | 77.08 A | 2.19 L |        |        |
| 40.0       | -----   |        | 0.02 A | 0.00 A |
|            | 80.14 A | 2.23 F |        |        |
| 30.0       | -----   |        | 0.02 A | 0.00 A |
|            | 83.02 A | 2.25 L |        |        |
| 20.0       | -----   |        | 0.00 A | 0.00 A |
|            | 85.77 A | 2.31 G |        |        |
| 10.0       | -----   |        | 0.02 A | 0.00 A |
|            | 88.41 A | 2.31 G |        |        |
| 0.0        | -----   |        | 0.00 A | 0.00 A |

# MAXIMUM COMPRESSION IN MAST MEMBERS (kip)

=====

| ELEV | LEGS | DIAG | HORIZ | BRACE |
|------|------|------|-------|-------|
|------|------|------|-------|-------|

|       |           |         |         |        |
|-------|-----------|---------|---------|--------|
| ft    |           |         |         |        |
| 197.0 | -----     | -----   | -0.21 G | 0.00 A |
|       | -0.32 A   | -0.31 A |         |        |
| 192.7 | -----     | -----   | 0.00 A  | 0.00 A |
|       | -3.14 G   | -0.95 L |         |        |
| 188.5 | -----     | -----   | -0.02 C | 0.00 A |
|       | -6.18 G   | -1.17 L |         |        |
| 184.2 | -----     | -----   | 0.00 A  | 0.00 A |
|       | -9.81 G   | -1.67 L |         |        |
| 180.0 | -----     | -----   | -0.06 C | 0.00 A |
|       | -14.54 G  | -2.01 L |         |        |
| 175.0 | -----     | -----   | -0.02 G | 0.00 A |
|       | -20.27 G  | -1.87 L |         |        |
| 170.0 | -----     | -----   | 0.00 A  | 0.00 A |
|       | -25.54 G  | -2.34 L |         |        |
| 165.0 | -----     | -----   | -0.03 G | 0.00 A |
|       | -31.46 G  | -2.25 L |         |        |
| 160.0 | -----     | -----   | 0.00 G  | 0.00 A |
|       | -37.09 G  | -2.58 L |         |        |
| 155.0 | -----     | -----   | -0.03 G | 0.00 A |
|       | -42.35 G  | -2.30 L |         |        |
| 150.0 | -----     | -----   | -0.01 G | 0.00 A |
|       | -46.54 G  | -2.31 L |         |        |
| 145.0 | -----     | -----   | -0.02 G | 0.00 A |
|       | -50.91 G  | -2.12 F |         |        |
| 140.0 | -----     | -----   | -0.01 G | 0.00 A |
|       | -55.13 G  | -2.31 L |         |        |
| 133.3 | -----     | -----   | -0.03 G | 0.00 A |
|       | -60.13 G  | -2.14 L |         |        |
| 126.7 | -----     | -----   | -0.02 G | 0.00 A |
|       | -64.41 G  | -2.14 L |         |        |
| 120.0 | -----     | -----   | -0.02 G | 0.00 A |
|       | -68.74 G  | -2.04 L |         |        |
| 113.3 | -----     | -----   | -0.01 G | 0.00 A |
|       | -72.61 G  | -2.04 F |         |        |
| 106.7 | -----     | -----   | -0.02 G | 0.00 A |
|       | -76.48 G  | -1.98 L |         |        |
| 100.0 | -----     | -----   | -0.01 G | 0.00 A |
|       | -80.08 G  | -2.01 G |         |        |
| 93.3  | -----     | -----   | -0.03 G | 0.00 A |
|       | -83.68 G  | -1.97 L |         |        |
| 86.7  | -----     | -----   | -0.01 G | 0.00 A |
|       | -87.10 G  | -1.99 G |         |        |
| 80.0  | -----     | -----   | -0.02 G | 0.00 A |
|       | -91.24 G  | -2.21 G |         |        |
| 70.0  | -----     | -----   | -0.02 G | 0.00 A |
|       | -96.10 G  | -2.22 G |         |        |
| 60.0  | -----     | -----   | -0.01 G | 0.00 A |
|       | -100.87 G | -2.25 G |         |        |
| 50.0  | -----     | -----   | -0.02 G | 0.00 A |
|       | -105.55 G | -2.29 G |         |        |
| 40.0  | -----     | -----   | -0.01 G | 0.00 A |
|       | -110.25 G | -2.31 G |         |        |
| 30.0  | -----     | -----   | -0.01 G | 0.00 A |
|       | -114.92 G | -2.36 G |         |        |
| 20.0  | -----     | -----   | 0.00 G  | 0.00 A |
|       | -119.56 G | -2.37 G |         |        |
| 10.0  | -----     | -----   | -0.01 G | 0.00 A |
|       | -124.10 G | -2.44 G |         |        |
| 0.0   | -----     | -----   | 0.00 A  | 0.00 A |

MAXIMUM INDIVIDUAL FOUNDATION LOADS: (kip)

=====

| -----LOAD----- | COMPONENTS----- |          |          | TOTAL   |
|----------------|-----------------|----------|----------|---------|
| NORTH          | EAST            | DOWN     | UPLIFT   | SHEAR   |
| 10.88 G        | -8.68 C         | 126.21 G | -89.56 A | 10.88 G |

MAXIMUM TOTAL LOADS ON FOUNDATION : (kip & kip-ft)

=====

| -----HORIZONTAL----- | DOWN   | -----OVERTURNING----- | TORSION |
|----------------------|--------|-----------------------|---------|
| NORTH                | EAST   | TOTAL                 |         |
|                      |        |                       |         |
| 16.5                 | 13.8   | 16.5                  | 50.1    |
| G                    | J      | G                     | E       |
|                      |        |                       |         |
| 2181.5               | 1909.9 | 2181.5                | 7.8     |
| G                    | J      | G                     | H       |

=====

**Seismic Load Effects**  
**Equivalent Lateral Force Procedure**  
**ANSI/TIA-222-H**

| Parameters              | Description            | h <sub>n</sub> (ft.) | w <sub>n</sub> (kips) | W <sub>2</sub> (kips) | Vertical Distribution of Seismic Forces |                                            |                                      |                                      |
|-------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------------------------|--------------------------------------------|--------------------------------------|--------------------------------------|
|                         |                        |                      |                       |                       | w/h <sub>n</sub> <sup>ke</sup>          | F <sub>u</sub> or E <sub>u</sub><br>(kips) | 1.2 D + 1.0 E <sub>u</sub><br>(kips) | 0.9 D + 1.0 E <sub>u</sub><br>(kips) |
| Risk Category           | Antenna Load           | 199.00               | 0.4500                | 0.4500                | 169.0161                                | 0.0345                                     | 0.0211                               | 0.3839                               |
| II                      | Antenna Load           | 192.00               | 7.0000                | 7.0000                | 2,525.7794                              | 0.5152                                     | 0.3276                               | 5.9724                               |
| R                       | Structure - Section 1  | 188.50               | 0.8350                | 0.4838                | 295.1448                                | 0.0602                                     | 0.0391                               | 0.7124                               |
| S <sub>s</sub>          | Ladder/Line            | 187.00               | 0.1024                | 0.1024                | 35.8726                                 | 0.0073                                     | 0.0048                               | 0.0874                               |
| S <sub>1</sub>          | Antenna Load           | 182.00               | 4.5000                | 0.0000                | 1,529.2992                              | 0.3120                                     | 0.2106                               | 3.8394                               |
| Site Class              | Ladder/Line            | 181.00               | 0.0330                | 0.0000                | 11.1459                                 | 0.0023                                     | 0.0015                               | 0.0282                               |
| D (default)             | Ladder/Line            | 176.00               | 0.1318                | 0.0000                | 43.1409                                 | 0.0088                                     | 0.0062                               | 0.1124                               |
| T <sub>L</sub> (sec)    | Antenna Load           | 172.00               | 4.5000                | 0.0000                | 1,435.5039                              | 0.2928                                     | 0.2106                               | 3.8394                               |
| F <sub>a</sub>          | Structure - Section 2  | 170.00               | 1.3750                | 0.0000                | 432.9178                                | 0.0883                                     | 0.0644                               | 1.1731                               |
| F <sub>v</sub>          | Ladder/Line            | 167.00               | 0.2272                | 0.0000                | 70.1214                                 | 0.0143                                     | 0.0106                               | 0.1939                               |
| S <sub>MS</sub>         | Antenna Load           | 162.00               | 4.5000                | 0.0000                | 1,342.3610                              | 0.2738                                     | 0.2106                               | 3.8394                               |
| S <sub>M1</sub>         | Ladder/Line            | 161.00               | 0.0579                | 0.0000                | 17.1523                                 | 0.0035                                     | 0.0027                               | 0.0494                               |
| S <sub>BS</sub>         | Ladder/Line            | 150.00               | 0.5792                | 0.0000                | 158.5078                                | 0.0323                                     | 0.0271                               | 0.4942                               |
| S <sub>D1</sub>         | Structure - Section 3  | 150.00               | 1.7680                | 0.0000                | 483.8430                                | 0.0987                                     | 0.0827                               | 1.5085                               |
| T <sub>s</sub>          | Ladder/Line            | 130.00               | 0.5792                | 0.0000                | 135.0346                                | 0.0275                                     | 0.0271                               | 0.4942                               |
| I <sub>e</sub>          | Structure - Section 4  | 130.00               | 2.2110                | 0.0000                | 515.4723                                | 0.1052                                     | 0.1035                               | 1.8864                               |
| Ω                       | Ladder/Line            | 110.00               | 0.5792                | 0.0000                | 111.9924                                | 0.0228                                     | 0.0271                               | 0.4942                               |
| C <sub>s</sub>          | Structure - Section 5  | 110.00               | 2.3090                | 0.0000                | 446.4612                                | 0.0911                                     | 0.1081                               | 1.9700                               |
| h (ft)                  | Ladder/Line            | 90.00                | 0.5792                | 0.0000                | 89.4500                                 | 0.0182                                     | 0.0271                               | 0.4942                               |
| K <sub>r</sub>          | Structure - Section 6  | 90.00                | 2.9750                | 0.0000                | 459.4503                                | 0.0937                                     | 0.1392                               | 2.5383                               |
| W <sub>a</sub> (ft)     | Ladder/Line            | 70.00                | 0.5792                | 0.0000                | 67.5054                                 | 0.0138                                     | 0.0271                               | 0.4942                               |
| W <sub>o</sub> (ft)     | Structure - Section 7  | 70.00                | 3.0090                | 0.0000                | 350.6970                                | 0.0715                                     | 0.1408                               | 2.5673                               |
| W (kips)                | Ladder/Line            | 50.00                | 0.5792                | 0.0000                | 46.3100                                 | 0.0094                                     | 0.0271                               | 0.4942                               |
| W <sub>1</sub> (kips)   | Structure - Section 8  | 50.00                | 3.5970                | 0.0000                | 287.5986                                | 0.0587                                     | 0.1683                               | 3.0690                               |
| W <sub>2</sub> (kips)   | Ladder/Line            | 30.00                | 0.5792                | 0.0000                | 26.1339                                 | 0.0053                                     | 0.0271                               | 0.4942                               |
| f <sub>1</sub> (Hertz)  | Structure - Section 9  | 30.00                | 4.6540                | 0.0000                | 209.9917                                | 0.0428                                     | 0.2178                               | 3.9708                               |
| T (sec)                 | Ladder/Line            | 10.00                | 0.5792                | 0.0000                | 7.6353                                  | 0.0016                                     | 0.0271                               | 0.4942                               |
| k <sub>e</sub>          | Structure - Section 10 | 10.00                | 5.0730                | 0.0000                | 66.8752                                 | 0.0136                                     | 0.2374                               | 4.3283                               |
| V <sub>s</sub> (kips)   | Σ                      |                      | 53.94                 | 8.0362                | 11,370.41                               | 2.32                                       | 2.52                                 | 46.02                                |
| Seismic Design Category | B                      |                      |                       |                       |                                         |                                            |                                      |                                      |

| Leg Connection Details |                    |                 |            |                |                  |                      |                    |           |                |                  |                      |                 |
|------------------------|--------------------|-----------------|------------|----------------|------------------|----------------------|--------------------|-----------|----------------|------------------|----------------------|-----------------|
| Bottom Elevation (ft)  | Top Elevation (ft) | Pipe Dimensions | Top Splice |                |                  |                      | Bottom Splice/Base |           |                |                  |                      |                 |
|                        |                    |                 | Bolt Qty.  | Bolt Dia. (in) | Bolt Circle (in) | Plate Thickness (in) | Plate Dia. (in)    | Bolt Qty. | Bolt Dia. (in) | Bolt Circle (in) | Plate Thickness (in) | Plate Dia. (in) |
| 180                    | 197                | 2.875 OD X .203 |            |                |                  |                      |                    | 6         | 0.75           | 6.50             | 1.00                 | 8.50            |
| 160                    | 180                | 3.500 OD X .300 | 6          | 0.75           | 6.50             | 1.00                 | 8.50               | 6         | 1.00           | 9.00             | 1.25                 | 11.50           |
| 140                    | 160                | 4.500 OD X .337 | 6          | 1.00           | 9.00             | 1.25                 | 11.50              | 6         | 1.00           | 9.00             | 1.25                 | 11.50           |
| 120                    | 140                | 5.563 OD X .375 | 6          | 1.00           | 9.00             | 1.25                 | 11.50              | 6         | 1.00           | 9.00             | 1.25                 | 11.50           |
| 100                    | 120                | 5.563 OD X .375 | 6          | 1.00           | 9.00             | 1.25                 | 11.50              | 6         | 1.00           | 9.00             | 1.25                 | 11.50           |
| 80                     | 100                | 5.563 OD X .500 | 6          | 1.00           | 9.00             | 1.25                 | 11.50              | 6         | 1.25           | 12.50            | 1.75                 | 15.75           |
| 60                     | 80                 | 8.625 OD X .322 | 6          | 1.25           | 12.50            | 1.50                 | 15.75              | 6         | 1.25           | 12.50            | 1.50                 | 15.75           |
| 40                     | 60                 | 8.625 OD X .322 | 6          | 1.25           | 12.50            | 1.50                 | 15.75              | 6         | 1.25           | 12.50            | 1.50                 | 15.75           |
| 20                     | 40                 | 8.625 OD X .500 | 6          | 1.25           | 12.50            | 1.50                 | 15.75              | 6         | 1.25           | 12.50            | 1.50                 | 15.75           |
| 0                      | 20                 | 8.625 OD X .500 | 6          | 1.25           | 12.50            | 1.50                 | 15.75              | 6         | 1.50           | 13.25            | 1.75                 | 17.00           |

| Diagonal Bracing Connection Details |                    |                        |           |                |                        |                   |                              |                             |
|-------------------------------------|--------------------|------------------------|-----------|----------------|------------------------|-------------------|------------------------------|-----------------------------|
| Bottom Elevation (ft)               | Top Elevation (ft) | Angle Shape            | Bolt Qty. | Bolt Dia. (in) | Bolt End Distance (in) | Bolt Spacing (in) | Gage Distance From Heel (in) | Gusset Plate Thickness (in) |
| 180                                 | 197                | L 2 X 2 X 1/8          | 1         | 0.625          | 1.500                  |                   | 1.125                        | 0.375                       |
| 160                                 | 180                | L 2 X 2 X 3/16         | 1         | 0.625          | 1.500                  |                   | 1.125                        | 0.375                       |
| 140                                 | 160                | L 2 X 2 X 3/16         | 1         | 0.625          | 1.500                  |                   | 1.125                        | 0.375                       |
| 120                                 | 140                | L 2 1/2 X 2 1/2 X 3/16 | 1         | 0.625          | 1.500                  |                   | 1.375                        | 0.375                       |
| 100                                 | 120                | L 2 1/2 X 2 1/2 X 3/16 | 1         | 0.625          | 1.500                  |                   | 1.375                        | 0.375                       |
| 80                                  | 100                | L 2 1/2 X 2 1/2 X 3/16 | 1         | 0.750          | 1.500                  |                   | 1.375                        | 0.375                       |
| 60                                  | 80                 | L 3 X 3 X 3/16         | 1         | 0.750          | 1.625                  |                   | 1.750                        | 0.375                       |
| 40                                  | 60                 | L 3 1/2 X 3 1/2 X 1/4  | 1         | 0.750          | 1.625                  |                   | 1.750                        | 0.375                       |
| 20                                  | 40                 | L 3 1/2 X 3 1/2 X 1/4  | 1         | 0.750          | 1.625                  |                   | 1.750                        | 0.375                       |
| 0                                   | 20                 | L 4 X 4 X 1/4          | 1         | 0.750          | 1.625                  |                   | 2.000                        | 0.375                       |

# MAT FOUNDATION DESIGN BY SABRE INDUSTRIES

197' S3TL Series HD2 ARCOLA TOWERS Farmville Grove, VA (26-0628-JSS) 2025-06-19 REB

|                                         |         |                                                |         |
|-----------------------------------------|---------|------------------------------------------------|---------|
| <b>Overall Loads:</b>                   |         |                                                |         |
| Factored Moment (ft-kips)               | 7330.67 |                                                |         |
| Factored Axial (kips)                   | 144.71  |                                                |         |
| Factored Shear (kips)                   | 55.24   |                                                |         |
| <b>Individual Leg Loads:</b>            |         |                                                |         |
| Factored Uplift (kips)                  | 341.00  |                                                |         |
| Factored Download (kips)                | 388.00  |                                                |         |
| Factored Shear (kips)                   | 34.00   |                                                |         |
|                                         |         | Tower eccentric from mat (ft)=                 | 2       |
| Width of Tower (ft)                     | 23      | Allowable Bearing Pressure (ksf)               | 2.50    |
| Ultimate Bearing Pressure               | 5.00    | Safety Factor                                  | 2.00    |
| Bearing Design Strength (ksf)           | 3.75    |                                                |         |
| Water Table Below Grade (ft)            | 999     | Max. Factored Net Bearing Pressure (ksf)       | 3.34    |
| Width of Mat (ft)                       | 30      | Minimum Mat Width (ft)                         | 28.83   |
| Thickness of Mat (ft)                   | 1.5     |                                                |         |
| Depth to Bottom of Slab (ft)            | 6.5     |                                                |         |
| Bolt Circle Diameter (in)               | 13.25   |                                                |         |
| Effective Anchor                        |         |                                                |         |
| Bolt Embedment                          | 65.125  |                                                |         |
| Diameter of Pier (ft)                   | 3.5     | Minimum Pier Diameter (ft)                     | 2.60    |
| Ht. of Pier Above Ground (ft)           | 0.5     | Equivalent Square b (ft)                       | 3.10    |
| Ht. of Pier Below Ground (ft)           | 5       |                                                |         |
| Quantity of Bars in Mat                 | 54      |                                                |         |
| Bar Diameter in Mat (in)                | 1       |                                                |         |
| Area of Bars in Mat (in <sup>2</sup> )  | 42.41   |                                                |         |
| Spacing of Bars in Mat (in)             | 6.66    | Recommended Spacing (in)                       | 6 to 12 |
| Quantity of Bars Pier                   | 18      |                                                |         |
| Bar Diameter in Pier (in)               | 0.875   |                                                |         |
| Tie Bar Diameter in Pier (in)           | 0.5     |                                                |         |
| Spacing of Ties (in)                    | 4       |                                                |         |
| Area of Bars in Pier (in <sup>2</sup> ) | 10.82   | Minimum Pier A <sub>s</sub> (in <sup>2</sup> ) | 6.93    |
| Spacing of Bars in Pier (in)            | 5.93    | Recommended Spacing (in)                       | 5 to 12 |
| f'c (ksi)                               | 4.5     |                                                |         |
| f <sub>y</sub> (ksi)                    | 60      |                                                |         |
| Unit Wt. of Soil (kcf)                  | 0.11    |                                                |         |
| Unit Wt. of Concrete (kcf)              | 0.15    |                                                |         |
| Volume of Concrete (yd <sup>3</sup> )   | 55.88   |                                                |         |

# MAT FOUNDATION DESIGN BY SABRE INDUSTRIES (CONTINUED)

## Two-Way Shear:

|                                                |        |             |       |
|------------------------------------------------|--------|-------------|-------|
| Average d (in)                                 | 14     |             |       |
| $\phi v_c$ (ksi)                               | 0.201  | $v_u$ (ksi) | 0.138 |
| $\phi v_c = \phi(2 + 4/\beta_c)f_c^{1/2}$      | 0.302  |             |       |
| $\phi v_c = \phi(\alpha_s d/b_o + 2)f_c^{1/2}$ | 0.238  |             |       |
| $\phi v_c = \phi 4f_c^{1/2}$                   | 0.201  |             |       |
| Shear perimeter, $b_o$ (in)                    | 204.89 |             |       |
| $\beta_c$                                      | 1      |             |       |

## Stability:

|                                    |         |                                    |        |
|------------------------------------|---------|------------------------------------|--------|
| Overturning Design Strength (ft-k) | 10002.0 | Factored Overturning Moment (ft-k) | 7717.4 |
|------------------------------------|---------|------------------------------------|--------|

## One-Way Shear:

|                   |       |              |       |
|-------------------|-------|--------------|-------|
| $\phi V_c$ (kips) | 507.1 | $V_u$ (kips) | 405.3 |
|-------------------|-------|--------------|-------|

## Pier Design:

|                                |       |              |       |
|--------------------------------|-------|--------------|-------|
| Design Tensile Strength (kips) | 584.5 | $T_u$ (kips) | 341.0 |
|--------------------------------|-------|--------------|-------|

## Shear:

|                              |       |                                                    |       |
|------------------------------|-------|----------------------------------------------------|-------|
| $\phi$                       | 0.75  |                                                    |       |
| $V_c$ (kips)                 | 96.1  |                                                    |       |
| $V_s$ (kips)                 | 197.9 | $V_{s,max}$ (kips)                                 | 757.3 |
| $\phi V_n$ (kips)            | 220.5 | $V_u$ (kips)                                       | 34.0  |
| Maximum Spacing (in)         | 11.15 | (Only if Shear Ties are Required)                  |       |
| Actual Hook Development (in) | 13.00 | Req'd Hook Development $l_{dh}$ (in) - Tension     | 10.96 |
|                              |       | Req'd Hook Development $l_{dc}$ (in) - Compression | 11.81 |

## Anchor Bolt Pull-Out:

|                                    |       |                                     |       |
|------------------------------------|-------|-------------------------------------|-------|
| $N_{ua} / \phi N_n$                | 0.70  | $V_{ua} / \phi V_n$                 | 0.10  |
| Pier Rebar Development Length (in) | 54.82 | Required Length of Development (in) | 23.48 |

## Flexure in Slab:

|                                  |         |                 |        |
|----------------------------------|---------|-----------------|--------|
| $\phi M_n$ (ft-kips)             | 2495.6  | $M_u$ (ft-kips) | 2485.4 |
| a (in)                           | 1.85    |                 |        |
| Steel Ratio                      | 0.00841 |                 |        |
| $\beta_1$                        | 0.825   |                 |        |
| Maximum Steel Ratio ( $\rho_t$ ) | 0.0197  |                 |        |
| Minimum Steel Ratio              | 0.0018  |                 |        |

| Condition                     | 1 is OK, 0 Fails |
|-------------------------------|------------------|
| Minimum Mat Width             | 1                |
| Maximum Soil Bearing Pressure | 1                |
| Pier Area of Steel            | 1                |
| Pier Shear                    | 1                |
| Two-Way Shear                 | 1                |
| Overturning                   | 1                |
| Anchor Bolt Pull-Out          | 1                |
| Flexure                       | 1                |
| Steel Ratio                   | 1                |
| Interaction Diagram           | 1                |
| One-Way Shear                 | 1                |
| Hook Development              | 1                |
| Minimum Mat Depth             | 1                |
| Anchor Bolt Punching Shear    | 1                |

197' S3TL Series HD2 ARCOLA TOWERS Farmville Grove, VA (26-0628-JSS) 2025-06-19 REB

Page 24

## DRILLED STRAIGHT PIER DESIGN BY SABRE INDUSTRIES (CONTINUED)

### Download:

|                                     |       |                              |       |
|-------------------------------------|-------|------------------------------|-------|
| $\Phi_s$ , Download Friction        | 0.75  |                              |       |
| $Q_f$ , Skin Friction (kips)        | 441.8 | $W_s$ (kips)                 | 109.3 |
| $Q_b$ , End Bearing Strength (kips) | 143.1 | $W_c$ (kips)                 | 150.3 |
| Download Design Strength (kips)     | 438.7 | Factored Net Download (kips) | 437.1 |

### Uplift (skin friction):

|                               |       |                        |       |
|-------------------------------|-------|------------------------|-------|
| $\Phi_s$ , Uplift (friction)  | 0.75  |                        |       |
| $Q_f$ , Skin Friction (kips)  | 441.8 |                        |       |
| $W_c$ (kips)                  | 150.3 |                        |       |
| $W_w$ (kips)                  | 0.0   |                        |       |
| Uplift Design Strength (kips) | 466.6 | Factored Uplift (kips) | 341.0 |

### Uplift (cone):

|                               |         |                        |       |
|-------------------------------|---------|------------------------|-------|
| $\Phi_s$ , Uplift (cone)      | 0.75    |                        |       |
| $W_{s,cone}$ (kips)           | 11127.9 |                        |       |
| $W_{w,cone}$ (kips)           | 0.0     |                        |       |
| $W_c$ (kips)                  | 150.3   |                        |       |
| $W_{w,cyl}$ (kips)            | 0.0     |                        |       |
| Uplift Design Strength (kips) | 8481.2  | Factored Uplift (kips) | 341.0 |

### Tension:

|                                |       |              |       |
|--------------------------------|-------|--------------|-------|
| Design Tensile Strength (kips) | 755.5 | $T_u$ (kips) | 341.0 |
|--------------------------------|-------|--------------|-------|

### Shear:

|                   |       |                    |        |
|-------------------|-------|--------------------|--------|
| $\phi$            | 0.75  |                    |        |
| $V_c$ (kips)      | 219.8 |                    |        |
| $V_s$ (kips)      | 84.8  | $V_{s,max}$ (kips) | 1251.9 |
| $\phi V_n$ (kips) | 228.4 | $V_u$ (kips)       | 34.0   |

### Anchor Bolt Pull-Out:

|                               |       |                                     |       |
|-------------------------------|-------|-------------------------------------|-------|
| $N_{ua} / \phi N_n$           | 0.54  | $V_{ua} / \phi V_n$                 | 0.10  |
| Rebar Development Length (in) | 50.70 | Required Length of Development (in) | 30.27 |

| Condition            | 1 is OK, 0 Fails |
|----------------------|------------------|
| Download             | 1                |
| Uplift               | 1                |
| Area of Steel        | 1                |
| Shear                | 1                |
| Anchor Bolt Pull-Out | 1                |
| Interaction Diagram  | 1                |

## **Exhibit “8”**



June 9, 2025

Robert Love  
Director  
Prince Edward County Planning & Zoning 111 N. South Street, 3<sup>rd</sup> Floor,  
Farmville, VA 23901  
(434) 414-3037

**Re: Arcola Towers- Site Name: Farmville Grove- Site Location: 85 SMI Way,  
Farmville, VA 23901 (Parcel ID 023B 2 2)- Telecommunication Facility-  
Collocation Policy Letter**

Mr. Love,

Per Section 3-100.13- Towers (C)(10), Arcola Towers ensures that the proposed telecommunications facility is designed to accommodate at least three (3) wireless broadband carriers. Arcola Towers, any future successors and assigns, shall allow any communication company to collocate on the tower at the prevailing market rate for this facility.

Sincerely,

A handwritten signature in cursive script that reads "Ryan Foltz".

**Ryan Foltz**  
**Arcola Towers**  
**Senior Development Director**

## **Exhibit “9”**



June 9, 2025

Robert Love  
Director  
Prince Edward County Planning & Zoning 111 N. South Street, 3<sup>rd</sup> Floor,  
Farmville, VA 23901  
(434) 414-3037

**Re: Arcola Towers- Site Name: Farmville Grove- Site Location: 85 SMI Way,  
Farmville, VA 23901 (Parcel ID 023B 2 2)- Telecommunication Facility- Tower  
Removal Letter**

Dear Mr. Love,

Please accept the signed statement below as confirming Section 3-100.13- Towers (C)(16) of the Prince Edward County Code of Ordinances:

Arcola Towers, its successors and assigns, provide this statement declaring itself, its successors and assigns of being financially responsible to assure the proposed communications tower, which is no longer used for communications purposes for a continuous period of ninety (90) days, will be dismantled and removed within ninety (90) days of receipt of notice from the Building Official or County Administrator notifying the owner of such removal requirement.

Please contact me should you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Ryan Foltz". The signature is written in a cursive, flowing style.

**Ryan Foltz  
Arcola Towers  
Senior Development Director**

## **Exhibit “10”**



June 9, 2025

Robert Love  
Director  
Prince Edward County Planning & Zoning 111 N. South Street, 3<sup>rd</sup> Floor,  
Farmville, VA 23901  
(434) 414-3037

**Re: Arcola Towers- Site Name: Farmville Grove - Site Location: 85 SMI Way,  
Farmville, VA 23901 (Parcel ID 023B 2 2) - Indemnification Letter**

Mr. Love,

Except for expenses or liabilities arising from the negligence of the County of Prince Edward, Arcola Towers hereby expressly agrees to indemnify and hold the County of Prince Edward harmless against expenses and liabilities arising out of the construction and operation of the proposed tower as follows: Arcola Towers expressly agrees to the extent that there is a causal relationship between its negligent, reckless, or intentionally wrongful action or inaction, or the negligent, reckless or intentionally wrongful action or inaction of any of its employees or any person, firm, or corporation directly or indirectly employed by Arcola Towers, and any damage, liability, injury loss or expense (whether in connection with bodily injury or death or property damage or loss) that is suffered by the County of Prince Edward and its employees or any member of the public, to indemnify and save the County of Prince Edward and its employees harmless against any and all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the performance of the construction or operation of the proposed tower.

Sincerely,

A handwritten signature in black ink that reads "Ryan Foltz". The signature is written in a cursive, flowing style.

**Ryan Foltz**  
**Arcola Towers**  
**Senior Development Director**

**Exhibit “11”**

### **Legal Description**

All that certain tract or parcel of land situated in Farmville Magisterial District, Prince Edward County, Virginia, containing 4.682 acres, fronting on SMI Way and being bounded on the north and east by unopened streets, and on the west by the Waterworks Players Inc.; it being more particularly described on a plat by John M. Duggan dated June 17, 2009 (the "Plat") and attached to and recorded with the Deed dated August 17, 2009 and recorded among the Land Records of Prince Edward County, Virginia as Instrument No. 200901858, from O. Henry Booth to James W. Ailsworth.

## **Exhibit “12”**

## MEMORANDUM OF AGREEMENT

CLERK: Please return this document to: Arcola Towers, LLC  
PO Box 2150  
Middleburg, VA 20118

This Memorandum of Agreement is entered into on this 23<sup>rd</sup> day of April, 2025, by and between **James W. Ailsworth**, with an address at 121 N Main Street, Farmville, VA 23901 (hereinafter referred to as "Lessor"), and **Arcola Towers 2, LP**, a Virginia limited partnership with an office at P.O. Box 2150, Middleburg, VA 20118 (hereinafter referred to as "Lessee").

1. Lessor and Lessee entered into a Ground Lease Agreement ["Agreement"] on the 23<sup>rd</sup> day of April, 2025, for the purpose of installing, operating and maintaining a wireless communications facility and other improvements. All of the foregoing is set forth in the Agreement.
2. The initial term of the Agreement is for five (5) years, commencing on the Commencement Date (as defined in the Agreement), with nine (9) successive renewal periods of five (5) years each.
3. The Land which is the subject of the Agreement (the "Site") is described in Exhibit A annexed hereto (as more particularly depicted in Exhibit B annexed hereto. Lessee may record an amendment to this Memorandum of Agreement to reflect any modifications to Exhibit A and Exhibit B following Lessee's receipt of an as-built survey of the leased premises.
4. The Agreement gives Lessee the exclusive right to build and operate wireless communications facilities on the Site and on any land owned by Lessor within a one mile radius of the Site and gives Lessee a right of first refusal in the event Lessor receives an offer from a third party seeking any sale conveyance, assignment or transfer, whether in whole or in part, of any property interest in or related to the Leased Premises, including without limitation any offer seeking an assignment or transfer of the rent payments associated with the Agreement or an offer to purchase an easement with respect to the Leased Premises.
5. This Memorandum of Agreement is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

SIGNATURE PAGE TO MEMORANDUM OF AGREEMENT

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement as of the day and year first above written.

LESSOR: James W. Ailsworth

By: James W. Ailsworth  
Print Name: JAMES W. AILSWORTH  
Print Title (if any):

STATE OF Virginia

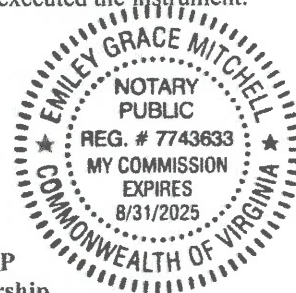
COUNTY OF Prince Edward

On April 16, 2025, before me, Emiley G. Mitchell, Notary Public, personally appeared James W. Ailsworth personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Emiley G. Mitchell  
Notary Public

(SEAL)



LESSEE:

ARCOLA TOWERS 2, LP  
a Virginia limited partnership

By: Arcola Towers, LLC  
a Virginia limited liability company, its general partner

By: Christian Winkler  
Print Name: Christian Winkler  
Title: President

STATE OF VIRGINIA

COUNTY OF LOUDOUN

On April 23, 2025, before me, Barbara K. Long, Notary Public, personally appeared Christian Winkler, President of Arcola Towers, LLC, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Barbara K. Long  
Notary Public

(SEAL)



EXHIBIT "A"

Prepared By & Return To:  
E. Preston Lancaster, Jr.  
Attorney at Law  
P. O. Box 393  
Farmville, VA 23901

Tax Map Parcel Number: 023B 2 2

Consideration: \$210,000.00

THIS DEED, made and entered into this 17th day of August, 2009, by and between  
O. HENRY BOOTH, party of the first part, Grantor, and JAMES W. AILSWORTH, 121 N. Main  
Street, Farmville, VA 23901, party of the second part, Grantee.

WITNESSETH: That for and in consideration of the sum of TEN DOLLARS (\$10.00) and  
other good and valuable consideration, the receipt of which is hereby acknowledged, the said party  
of the first part does hereby grant, bargain, sell and convey, with GENERAL WARRANTY of title,  
unto the said party of the second part the following described real estate, to-wit:

All that certain tract or parcel of land situated in Farmville Magisterial District, Prince Edward  
County, Virginia, containing 4.682 acres, fronting on SMI Way and being bounded on the North and  
East by unopened streets; on the West by the Waterworks Players Inc.; it being more particularly  
described on a plat by John M. Duggan dated June 17, 2009 and attached hereto for a more particular  
description of the property; it being the identical property conveyed to O. Henry Booth by deed dated  
May 29, 1996, recorded in Deed Book 302, page 791.

The party of the first part covenant that he has the right to convey the said land to the said  
grantee; that the said grantee shall have quiet possession of the said land, free from all encumbrances;  
that he has done no act to encumber the said land; and that he will execute such further assurances  
of title to said land as may be requisite.

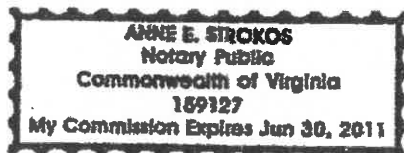
WITNESS the following signature and seal:

 (SEAL)  
O. HENRY BOOTH

STATE OF VIRGINIA

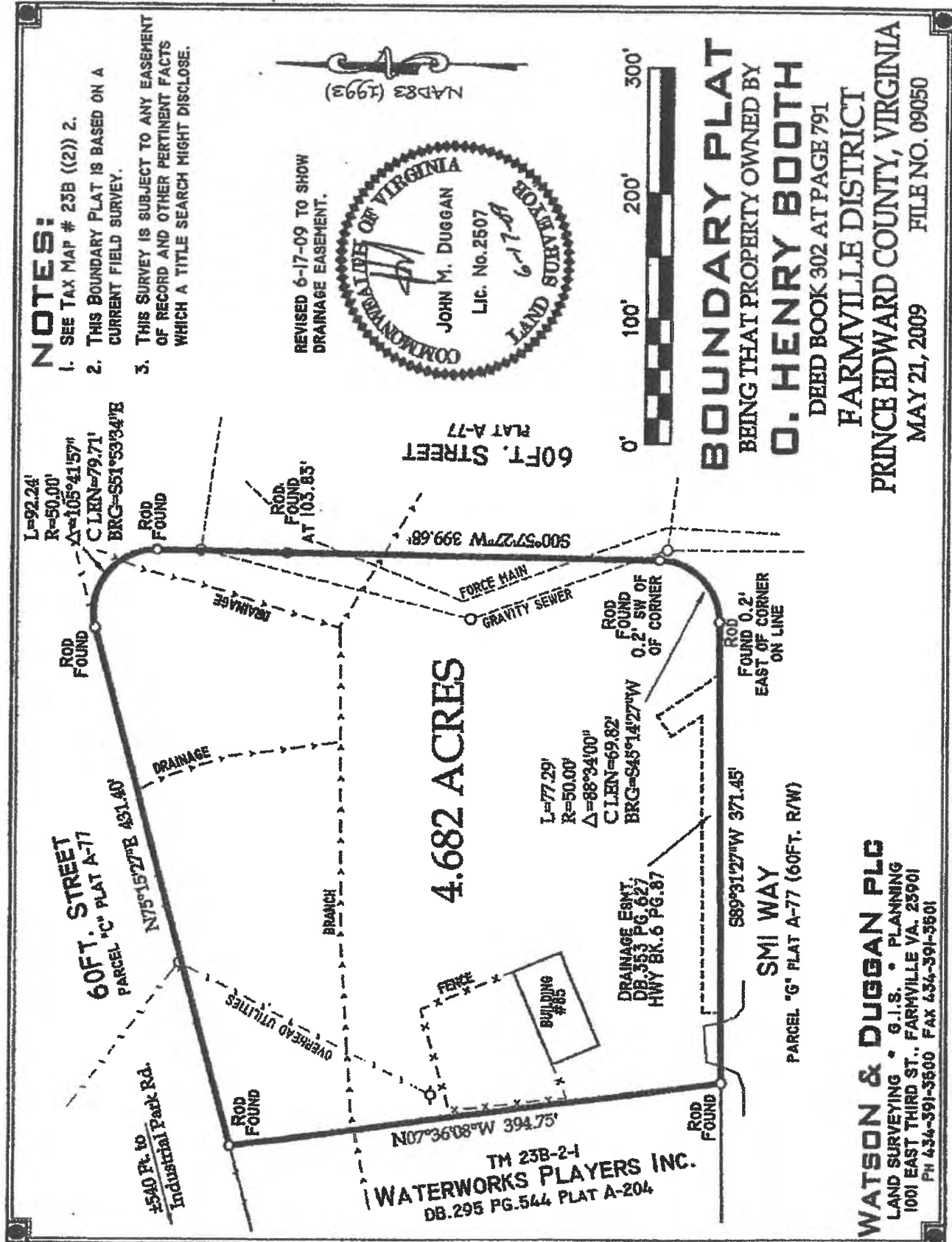
COUNTY OF PRINCE EDWARD, to-wit:

The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of August, 2009, by  
O. Henry Booth.



  
NOTARY PUBLIC

My commission expires \_\_\_\_\_.



Grantor's Tax: \$ 210.00  
Examined and Mailed/Delivered To:

Date:

*E. Preston Lancaster*

*8-20-09*

INSTRUMENT #200901858  
RECORDED IN THE CLERK'S OFFICE OF  
PRINCE EDWARD COUNTY ON  
AUGUST 20, 2009 AT 10:54AM  
\$210.00 GRANTOR TAX WAS PAID AS  
REQUIRED BY SEC 58.1-802 OF THE VA. CODE  
STATE: \$105.00 LOCAL: \$105.00

MACHELLE J. EPPES, CLERK  
RECORDED BY: DLC

**EXHIBIT “B”**

JAMES W. AILSWORTH  
T.M. 23B-2-2  
INST. #200901858(PLAT)

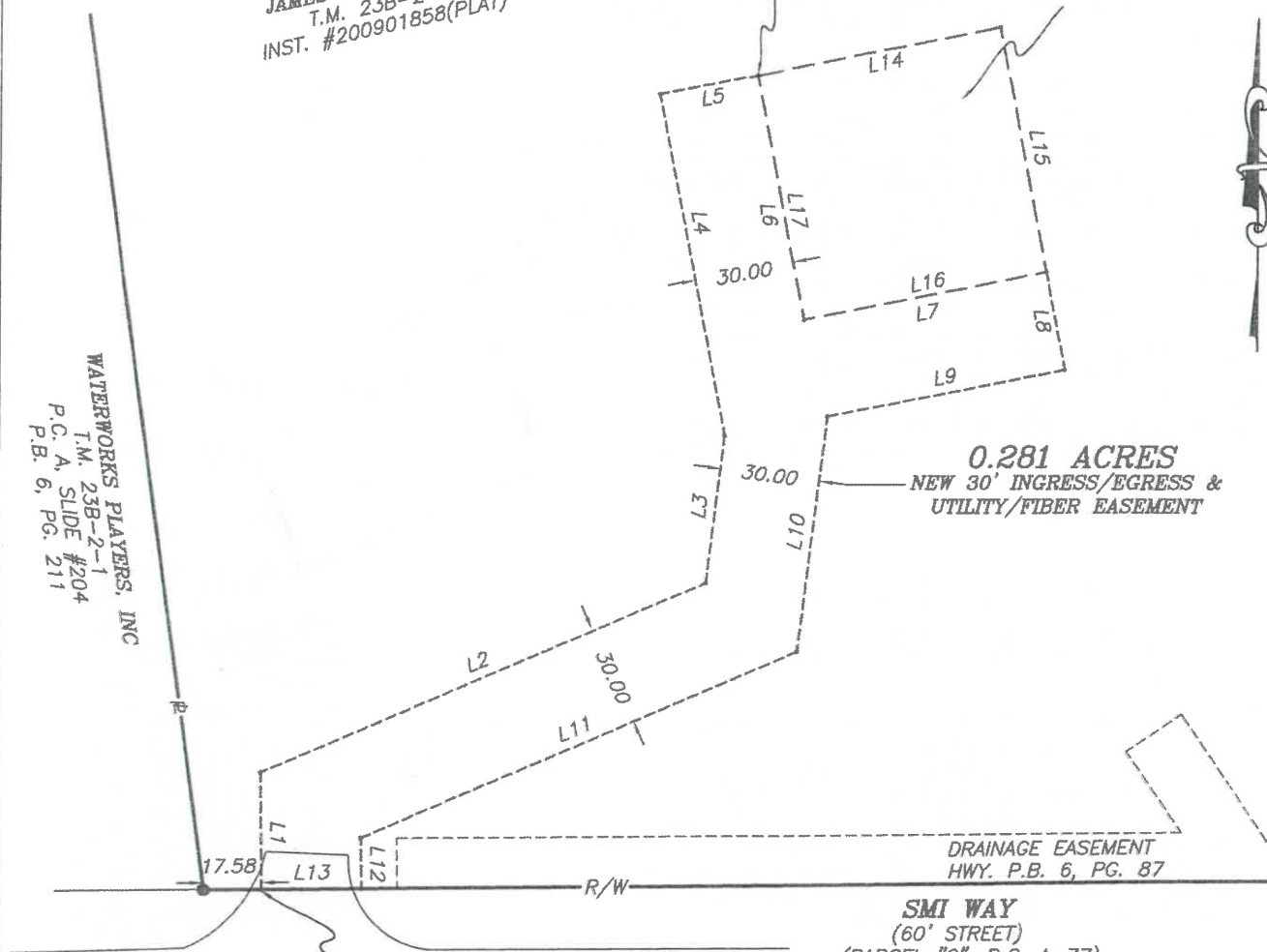
POINT OF BEGINNING  
LEASE PREMISES

0.129 ACRES  
75'X75'  
LEASE PREMISES

WATERWORKS PLAYERS, INC  
T.M. 23B-2-1  
P.C. A, SLIDE #204  
P.B. 6, PG. 211



JN. A-2237-1



POINT OF BEGINNING  
EASEMENT



NOTES:

1. PHYSICAL SURVEY PERFORMED ON APRIL 11, 2025
2. FOR ADDITIONAL SURVEYOR'S NOTES, SEE SHEET 2.
3. PROJECT IS UNDER THE JURISDICTION OF TOWN OF FARMVILLE

SURVEYOR OF RECORD:

LENNING LAND SURVEYING  
2126 LEWISTON PLANT ROAD  
BURKEVILLE, VA 23922  
PH: 434.767.9940

ENGINEER OF RECORD:

BAMMAN CONSULTING, LLC  
14489 ST ANDREWS LN  
ASHLAND, VA 23005  
PH: 703.328.8574

PROJECT:

FARMVILLE GROVE

SITE INFORMATION:

85 SMI WAY  
FARMVILLE VA 23901

SHEET NO:

1 OF 2

JN. A-2237-1

LESSEE'S 30' NON-EXCLUSIVE INGRESS/EGRESS AND UTILITY EASEMENT:

BEGINNING AT A POINT ON THE NORTH RIGHT OF WAY LINE OF SMI WAY, WHICH POINT IS 17.58' EAST OF THE SOUTH WEST PROPERTY CORNER OF T.M.23B-2-2;

THENCE N00°32'59"W A DISTANCE OF 35.16' TO A POINT; THENCE N66°48'53"E A DISTANCE OF 145.93' TO A POINT; THENCE N07°13'35"E A DISTANCE OF 44.87' TO A POINT; THENCE N11°00'00"W A DISTANCE OF 104.74' TO A POINT; THENCE N79°00'00"E A DISTANCE OF 30.00' TO A POINT AT THE NORTH WEST CORNER OF THE 75'X75' LEASE AREA; THENCE S11°00'00"E A DISTANCE OF 75.00' ALONG THE WEST LINE OF THE 75'X75' LEASE AREA TO A POINT; THENCE N79°00'00"E A DISTANCE OF 75.00' ALONG THE SOUTH LINE OF THE 75'X75' LEASE AREA TO A POINT; THENCE LEAVING THE 75'X75' LEASE AREA S11°00'00"E A DISTANCE OF 30.00' TO A POINT; THENCE S79°00'00"W A DISTANCE OF 73.50' TO A POINT; THENCE S07°13'35"W A DISTANCE OF 71.65' TO A POINT; THENCE S66°48'53"W A DISTANCE OF 143.11' TO A POINT; THENCE S00°32'59"E A DISTANCE OF 15.17' TO A POINT ON THE NORTH RIGHT OF WAY LINE OF SMI WAY; THENCE ALONG THE NORTH LINE OF SMI WAY S89°27'01"W A DISTANCE OF 30.00' TO A POINT; WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 12234.46 SQUARE FEET, OR 0.281 ACRES

**75'X75' LEASE PREMISES AREA**

BEGINNING AT A POINT AT THE NORTH EAST CORNER OF THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT.

THENCE N79°00'00"E A DISTANCE OF 75.00' TO A POINT; THENCE S11°00'00"E A DISTANCE OF 75.00' TO A POINT; THENCE ALONG THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT S79°00'00"W A DISTANCE OF 75.00' TO A POINT; THENCE ALONG THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT, N11°00'00"W A DISTANCE OF 75.00' TO A POINT; WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 5625.00 SQUARE FEET, 0.129 ACRES

**NEW 30' INGRESS/EGRESS & UTILITY EASEMENT**

| LINE | BEARING     | DISTANCE |
|------|-------------|----------|
| L1   | N00°32'59"W | 35.16'   |
| L2   | N66°48'53"E | 145.93'  |
| L3   | N07°13'35"E | 44.87'   |
| L4   | N11°00'00"W | 104.74'  |
| L5   | N79°00'00"E | 30.00'   |
| L6   | S11°00'00"E | 75.00'   |
| L7   | N79°00'00"E | 75.00'   |
| L8   | S11°00'00"E | 30.00'   |
| L9   | S79°00'00"W | 73.50'   |
| L10  | S07°13'35"W | 71.65'   |
| L11  | S66°48'53"W | 143.11'  |
| L12  | S00°32'59"E | 15.17'   |
| L13  | S89°27'01"W | 30.00'   |

**75'X75' LEASE PREMISES**

|     |             |        |
|-----|-------------|--------|
| L14 | N79°00'00"E | 75.00' |
| L15 | S11°00'00"E | 75.00' |
| L16 | S79°00'00"W | 75.00' |
| L17 | N11°00'00"W | 75.00' |



JN. A-2237-1



**NOTES:**

1. PHYSICAL SURVEY PERFORMED ON APRIL 11, 2025
2. FOR ADDITIONAL SURVEYOR'S NOTES, SEE SHEET 2
3. PROJECT IS UNDER THE JURISDICTION OF TOWN OF FARMVILLE

**SURVEYOR OF RECORD:**

LENNING LAND SURVEYING  
2126 LEWISTON PLANT ROAD  
BURKEVILLE, VA 23922  
PH: 434.767.9940

**ENGINEER OF RECORD:**

BAMMAN CONSULTING, LLC  
14489 ST ANDREWS LN  
ASHLAND, VA 23005  
PH: 703.328.8574

**PROJECT:**

**FARMVILLE GROVE**

**SITE INFORMATION:**

85 SMI WAY  
FARMVILLE VA 23901

**SHEET NO:**

**2 OF 2**

JN. A-2237-2

**VIRGINIA LAND RECORD COVER SHEET**

Commonwealth of Virginia VA. CODE §§ 17.1-223, -227.1, -249

**FORM A – COVER SHEET CONTENT**

Instrument Date: 4/23/2025

Instrument Type: AGLT

Number of Parcels: 1 Number of Pages: 9

[ ] City [X] County PRINCE EDWARD COUNTY COURJ  
CIRCUIT COURT

Tax Exempt? VIRGINIA/FEDERAL CODE SECTION

[ ] Grantor:

[ ] Grantee:

Business/Name

(Area Above Reserved For Deed Stamp Only)

1 Grantor: AILSWORTH, JAMES W.

2 Grantor: ARCOLA TOWERS 2,, LP

1 Grantee: AILSWORTH, JAMES W.

2 Grantee: ARCOLA TOWERS 2,, LP

Grantee Address

Name: JAMES W. AILSWORTH

Address: 121 N MAIN STREET

City: FARMVILLE

State: VA

Zip Code: 23901

Consideration: \$0.00

Existing Debt: \$0.00

Actual Value/Assumed: \$0.00

PRIOR INSTRUMENT UNDER § 58.1-503(D):

Original Principal: \$0.00

Fair Market Value Increase: \$0.00

Original Book No.:

Original Page No.:

Original Instrument No.: 200901858

Prior Recording At: [ ] City [X] County PRINCE EDWARD

Percentage In This Jurisdiction: 100%

Book Number: Page Number: Instrument Number: 200901858

Parcel Identification Number/Tax Map Number: 23B-2-2

Short Property Description:

Current Property Address: 85 SMI WAY

City: FARMVILLE

State: VA

Zip Code: 23901

Instrument Prepared By: ARCOLA TOWERS, LLC

Recording Paid By: WALKER TITLE, LLC

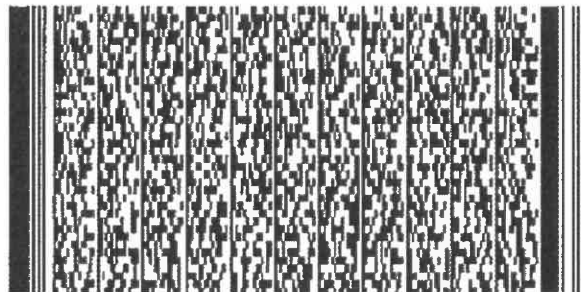
Recording Returned To: WALKER TITLE, LLC

Address: 11781 ROUTE 50, SUITE 300

City: FAIRFAX

State: VA

Zip Code: 22033



## MEMORANDUM OF AGREEMENT

CLERK: Please return this document to: Arcola Towers, LLC  
PO Box 2150  
Middleburg, VA 20118

Tax map # 23B-2-2

This Memorandum of Agreement is entered into on this 23<sup>rd</sup> day of April, 2025, by and between James W. Ailsworth, with an address at 121 N Main Street, Farmville, VA 23901 (hereinafter referred to as "Lessor"), and Arcola Towers 2, LP, a Virginia limited partnership with an office at P.O. Box 2150, Middleburg, VA 20118 (hereinafter referred to as "Lessee").

1. Lessor and Lessee entered into a Ground Lease Agreement ["Agreement"] on the 23<sup>rd</sup> day of April, 2025, for the purpose of installing, operating and maintaining a wireless communications facility and other improvements. All of the foregoing is set forth in the Agreement.
2. The initial term of the Agreement is for five (5) years, commencing on the Commencement Date (as defined in the Agreement), with nine (9) successive renewal periods of five (5) years each.
3. The Land which is the subject of the Agreement (the "Site") is described in Exhibit A annexed hereto (as more particularly depicted in Exhibit B annexed hereto. Lessee may record an amendment to this Memorandum of Agreement to reflect any modifications to Exhibit A and Exhibit B following Lessee's receipt of an as-built survey of the leased premises.
4. The Agreement gives Lessee the exclusive right to build and operate wireless communications facilities on the Site and on any land owned by Lessor within a one mile radius of the Site and gives Lessee a right of first refusal in the event Lessor receives an offer from a third party seeking any sale, conveyance, assignment or transfer, whether in whole or in part, of any property interest in or related to the Leased Premises, including without limitation any offer seeking an assignment or transfer of the rent payments associated with the Agreement or an offer to purchase an easement with respect to the Leased Premises.
5. This Memorandum of Agreement is not intended to amend or modify, and shall not be deemed or construed as amending or modifying, any of the terms, conditions or provisions of the Agreement, all of which are hereby ratified and affirmed. In the event of a conflict between the provisions of this Memorandum of Lease and the provisions of the Agreement, the provisions of the Agreement shall control. The Agreement shall be binding upon and inure to the benefit of the parties and their respective heirs, successors, and assigns, subject to the provisions of the Agreement.

SIGNATURE PAGE TO MEMORANDUM OF AGREEMENT

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement as of the day and year first above written.

LESSOR: James W. Ailsworth

By: James W. Ailsworth  
Print Name: JAMES W. AILSWORTH  
Print Title (if any):

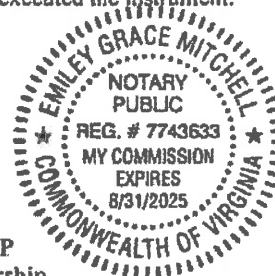
STATE OF Virginia  
COUNTY OF Prince Edward

On April 16, 2025, before me, Emiley G. Mitchell, Notary Public, personally appeared James W. Ailsworth personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Emiley G. Mitchell  
Notary Public

(SEAL)



LESSEE:  
ARCOLA TOWERS 2, LP  
a Virginia limited partnership

By: Arcola Towers, LLC  
a Virginia limited liability company, its general partner

By: Christian Winkler  
Print Name: Christian Winkler  
Title: President

STATE OF VIRGINIA  
COUNTY OF LOUDOUN

On April 23, 2025, before me, Sandra K. Long, Notary Public, personally appeared Christian Winkler, President of Arcola Towers, LLC, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Sandra K. Long  
Notary Public

(SEAL)



EXHIBIT "A"

Prepared By & Return To:  
E. Preston Lancaster, Jr.  
Attorney at Law  
P. O. Box 393  
Farmville, VA 23901

Tax Map Parcel Number: 023B 2 2

Consideration: \$210,000.00

THIS DEED, made and entered into this 17th day of August, 2009, by and between  
O. HENRY BOOTH, party of the first part, Grantor, and JAMES W. AILSWORTH, 121 N. Main  
Street, Farmville, VA 23901, party of the second part, Grantee.

WITNESSETH: That for and in consideration of the sum of TEN DOLLARS (\$10.00) and  
other good and valuable consideration, the receipt of which is hereby acknowledged, the said party  
of the first part does hereby grant, bargain, sell and convey, with GENERAL WARRANTY of title,  
unto the said party of the second part the following described real estate, to-wit:

All that certain tract or parcel of land situated in Farmville Magisterial District, Prince Edward  
County, Virginia, containing 4.682 acres, fronting on SMI Way and being bounded on the North and  
East by unopened streets; on the West by the Waterworks Players Inc.; it being more particularly  
described on a plat by John M. Duggan dated June 17, 2009 and attached hereto for a more particular  
description of the property; it being the identical property conveyed to O. Henry Booth by deed dated  
May 29, 1996, recorded in Deed Book 302, page 791.

The party of the first part covenant that he has the right to convey the said land to the said  
grantee; that the said grantee shall have quiet possession of the said land, free from all encumbrances;  
that he has done no act to encumber the said land; and that he will execute such further assurances  
of title to said land as may be requisite.

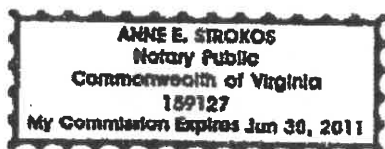
WITNESS the following signature and seal:

 (SEAL)  
O. HENRY BOOTH

STATE OF VIRGINIA

COUNTY OF PRINCE EDWARD, to-wit:

The foregoing instrument was acknowledged before me this 18<sup>th</sup> day of August, 2009, by  
O. Henry Booth.



  
NOTARY PUBLIC

My commission expires \_\_\_\_\_



Grantor's Tax: \$ 210.00  
Examined and Mailed/Delivered To:

Date:

*E. Preston Lancaster*

*8-20-09*

INSTRUMENT #200901858  
RECORDED IN THE CLERK'S OFFICE OF  
PRINCE EDWARD COUNTY ON  
AUGUST 20, 2009 AT 10:54AM  
\$210.00 GRANTOR TAX WAS PAID AS  
REQUIRED BY SEC 58.1-802 OF THE VA. CODE  
STATE: \$105.00 LOCAL: \$105.00

MACHELLE J. EPPES, CLERK  
RECORDED BY: DLC

**EXHIBIT "B"**

JAMES W. ALLSWORTH  
T.M. 23B-2-2  
INST. #200901858(PLAT)

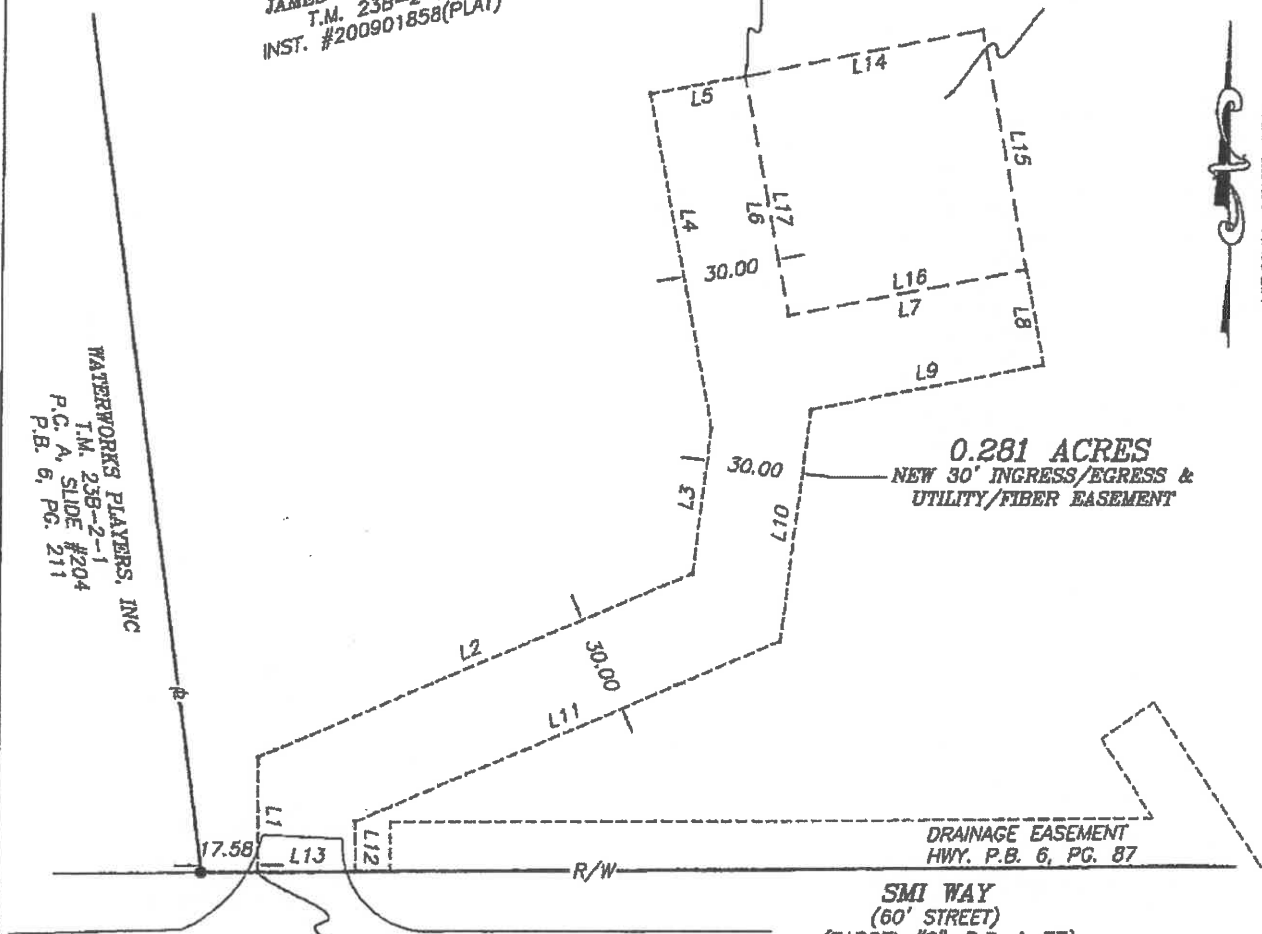
WATERWORKS PLAYERS, INC  
T.M. 23B-2-1  
P.C. A, SLIDE #204  
P.B. 6, PG. 211

POINT OF BEGINNING  
LEASE PREMISES

0.129 ACRES  
75'X75'  
LEASE PREMISES

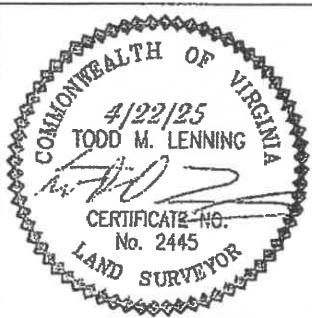


JN. A-2237-1



POINT OF BEGINNING  
EASEMENT

SMI WAY  
(60' STREET)  
(PARCEL "G", P.C. A-77)  
(PARCEL "B", HWY. P.B. 6, PG 87)



NOTES:

1. PHYSICAL SURVEY PERFORMED ON APRIL 11, 2025
2. FOR ADDITIONAL SURVEYOR'S NOTES, SEE SHEET 2.
3. PROJECT IS UNDER THE JURISDICTION OF TOWN OF FARMVILLE

SURVEYOR OF RECORD:

LENNING LAND SURVEYING  
2126 LEWISTON PLANT ROAD  
BURKEVILLE, VA 23922  
PH: 434.767.9940

ENGINEER OF RECORD:

BAMMAN CONSULTING, LLC  
14489 ST ANDREWS LN  
ASHLAND, VA 23005  
PH: 703.328.8574

PROJECT:

FARMVILLE GROVE

SITE INFORMATION:

85 SMI WAY  
FARMVILLE VA 23901

SHEET NO:

1 OF 2

JN. A-2237-1

**LESSEE'S 30' NON-EXCLUSIVE INGRESS/EGRESS AND UTILITY EASEMENT:**

BEGINNING AT A POINT ON THE NORTH RIGHT OF WAY LINE OF SMI WAY, WHICH POINT IS 17.58' EAST OF THE SOUTH WEST PROPERTY CORNER OF T.M.23B-2-2;

THENCE N00°32'59"W A DISTANCE OF 35.16' TO A POINT; THENCE N66°48'53"E A DISTANCE OF 145.93' TO A POINT; THENCE N07°13'35"E A DISTANCE OF 44.87' TO A POINT; THENCE N11°00'00"W A DISTANCE OF 104.74' TO A POINT; THENCE N79°00'00"E A DISTANCE OF 30.00' TO A POINT AT THE NORTH WEST CORNER OF THE 75'X75' LEASE AREA; THENCE S11°00'00"E A DISTANCE OF 75.00' ALONG THE WEST LINE OF THE 75'X75' LEASE AREA TO A POINT; THENCE N79°00'00"E A DISTANCE OF 75.00' ALONG THE SOUTH LINE OF THE 75'X75' LEASE AREA TO A POINT; THENCE LEAVING THE 75'X75' LEASE AREA S11°00'00"E A DISTANCE OF 30.00' TO A POINT; THENCE S79°00'00"W A DISTANCE OF 73.50' TO A POINT; THENCE S07°13'35"W A DISTANCE OF 71.65' TO A POINT; THENCE S66°48'53"W A DISTANCE OF 143.11' TO A POINT; THENCE S00°32'59"E A DISTANCE OF 15.17' TO A POINT ON THE NORTH RIGHT OF WAY LINE OF SMI WAY; THENCE ALONG THE NORTH LINE OF SMI WAY S89°27'01"W A DISTANCE OF 30.00' TO A POINT; WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 12234.46 SQUARE FEET, OR 0.281 ACRES



JN. A-2237-1

**75'X75' LEASE PREMISES AREA**

BEGINNING AT A POINT AT THE NORTH EAST CORNER OF THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT.

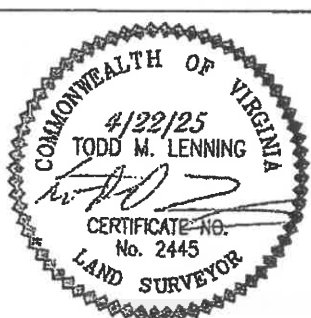
THENCE N79°00'00"E A DISTANCE OF 75.00' TO A POINT; THENCE S11°00'00"E A DISTANCE OF 75.00' TO A POINT; THENCE ALONG THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT S79°00'00"W A DISTANCE OF 75.00' TO A POINT; THENCE ALONG THE LESSEE'S 30' INGRESS/EGRESS AND UTILITY/FIBER EASEMENT, N11°00'00"W A DISTANCE OF 75.00' TO A POINT; WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 5625.00 SQUARE FEET, 0.129 ACRES

**NEW 30' INGRESS/EGRESS & UTILITY EASEMENT**

| LINE | BEARING     | DISTANCE |
|------|-------------|----------|
| L1   | N00°32'59"W | 35.16'   |
| L2   | N66°48'53"E | 145.93'  |
| L3   | N07°13'35"E | 44.87'   |
| L4   | N11°00'00"W | 104.74'  |
| L5   | N79°00'00"E | 30.00'   |
| L6   | S11°00'00"E | 75.00'   |
| L7   | N79°00'00"E | 75.00'   |
| L8   | S11°00'00"E | 30.00'   |
| L9   | S79°00'00"W | 73.50'   |
| L10  | S07°13'35"W | 71.65'   |
| L11  | S66°48'53"W | 143.11'  |
| L12  | S00°32'59"E | 15.17'   |
| L13  | S89°27'01"W | 30.00'   |

**75'X75' LEASE PREMISES**

|     |             |        |
|-----|-------------|--------|
| L14 | N79°00'00"E | 75.00' |
| L15 | S11°00'00"E | 75.00' |
| L16 | S79°00'00"W | 75.00' |
| L17 | N11°00'00"W | 75.00' |



**NOTES:**

1. PHYSICAL SURVEY PERFORMED ON APRIL 11, 2025
2. FOR ADDITIONAL SURVEYOR'S NOTES. SEE SHEET 2.
3. PROJECT IS UNDER THE JURISDICTION OF TOWN OF FARMVILLE

**SURVEYOR OF RECORD:**

LENNING LAND SURVEYING  
2126 LEWISTON PLANT ROAD  
BURKEVILLE, VA 23922  
PH: 434.767.9940

**ENGINEER OF RECORD:**

BAMMAN CONSULTING, LLC  
14489 ST ANDREWS LN  
ASHLAND, VA 23005  
PH: 703.328.8574

**PROJECT:**

**FARMVILLE GROVE**

**SITE INFORMATION:**

85 SMI WAY  
FARMVILLE VA 23901

**SHEET NO:**

**2 OF 2**

JN. A-2237-2

INSTRUMENT 202500681  
RECORDED IN THE CLERK'S OFFICE OF  
PRINCE EDWARD COUNTY CIRCUIT COURT ON  
MAY 8, 2025 AT 10:48 AM  
LYNNETTE COE, CLERK  
RECORDED BY: JBR



Please publish the following public hearing notice in **THE FARMVILLE HERALD** on Wednesday, August 6, 2025 and Friday, August 8, 2025.

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### NOTICE OF PUBLIC HEARING

The Prince Edward County Planning Commission will hold a PUBLIC HEARING on Tuesday, August 19, 2025 commencing at 7:00 p.m. in the Board of Supervisors Room, Prince Edward County Courthouse, 111 N. South Street, 3<sup>rd</sup> Floor, Farmville, Virginia, to receive citizen input prior to considering the following:

1. A Special Use Permit request filed by Jonathan Yates for Arcola Towers in order to construct a 197' self-supporting communications tower on land denoted as Tax Map Parcel 023B-2-2, located at 85 SMI Way, Farmville, VA, 0.10 mile from its intersection with Industrial Park Road., which is zoned I1, General Industrial District.

Citizen input for Public Hearings will be received through: (1) in-person participation; (2) remote participation by calling 1-844-890-7777, Access Code # 390313; or (3) by written comments mailed to: Planning Commission, P.O. Box 382, Farmville, VA 23901. Please limit word count to no more than 500 words. Comments must be received by 2:00 p.m. the day of the meeting; via email to [info@co.prince-edward.va.us](mailto:info@co.prince-edward.va.us); or via facsimile at 434-392-6683. Based on the number of speakers, the Chair will determine the time allotted to each. Citizens may also view the monthly Planning Commission meeting live (no public input) at the County's YouTube Channel by using the link on the County website under Meetings & Public Notices.

Additional information regarding the special use permit applications is available for public review on the County's web site at [www.co.prince-edward.va.us](http://www.co.prince-edward.va.us) or in the Prince Edward County Administrator's Office, 111 N. South Street, 3<sup>rd</sup> Floor, Farmville, VA. It is the County's intent to comply with the Americans with Disabilities Act. Should you have questions or require special accommodations, please contact the County Administrator's Office at 434-392-8837.

###

## Prince Edward County

### SUP Request - Arcola Towers

Applicant: Arcola Tower

Tax Map: 023B-2-2

#### **Schedule B**

List of adjoining Property owners and mailing addresses.

| Parcel ID | Owner                                     | Address                                         | Note |
|-----------|-------------------------------------------|-------------------------------------------------|------|
| 023B-2-1  | WATERWORKS PLAYERS INC                    | PO BOX 671 FARMVILLE,<br>VA 23901               |      |
| 023B-A-2  | PRINCE EDWARD COUNTY BOARD OF SUPERVISORS | PO BOX 382 FARMVILLE,<br>VA 23901               |      |
| 023B-A-3  | FARMERS COOPERATIVE INC                   | 182 SMI WAY FARMVILLE,<br>VA 23901              |      |
| 023B-1-V  | ROCK & METAL LLC                          | 1815 PRICE DRIVE<br>FARMVILLE, VA 23901         |      |
| 023B-1-U  | TOWN OF FARMVILLE                         | PO BOX 368 FARMVILLE,<br>VA 23901               |      |
| 023B-A-1  | LAPP ASSOCIATES LLC                       | 300 INDUSTRIAL PARK ROAD<br>FARMVILLE, VA 23901 |      |
|           |                                           |                                                 |      |
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PLANNING COMMISSION

John Prengaman  
Chairman  
Llew W. Gilliam, Jr.  
Board Representative  
Ken Copeland  
Brad Fuller  
David Hart  
John Hogan  
Whitfield M. Paige  
John "Jack" W. Peery, Jr.  
Rhett L. Weiss



COUNTY OF PRINCE EDWARD, VIRGINIA

DIRECTOR OF PLANNING &  
COMMUNITY DEVELOPMENT

Robert Love, GISP

Post Office Box 382  
111 N. South Street, 3<sup>rd</sup> Floor  
Farmville, VA 23901

Office: (434) 414-3037  
Fax: (434) 392-6683

[rlove@co.prince-edward.va.us](mailto:rlove@co.prince-edward.va.us)

August 4, 2025

To: Property Owners

From: Robert Love, Director of Planning and Community Development

Subject: Special Use Permit Request – Arcola Towers

The Prince Edward County Planning Commission will hold a public hearing on Tuesday, **August 19, 2025** at 7:00 p.m. to receive citizen input on a request for a Special Use Permit request filed by Jonathan Yates for Arcola Towers in order to construct a 197' self-supporting communications tower on land denoted as Tax Map Parcel 023B-2-2, located at 85 SMI Way, Farmville, VA, 0.10 mile from its intersection with Industrial Park Road., which is zoned I1, General Industrial District.

You are receiving this notice because you own land in the vicinity of the property requested to be approved for a special use permit. Following the hearing the Prince Edward County Planning Commission may vote to recommend approval or denial of the request.

Instructions of how to listen or participate in the meeting and public hearing are contained on the reverse side of this letter. If you have any questions or comments, please do not hesitate to contact me at: 434-414-3037 or by email at:

[rlove@co.prince-edward.va.us](mailto:rlove@co.prince-edward.va.us)

Respectfully,

Robert Love

Director of Planning and Community Development

**PLANNING COMMISSION**

John Pengaman  
Chairman

Llew W. Gilliam, Jr.  
Board Representative

Ken Copeland

Brad Fuller

David Hart

John Hogan

Whitfield M. Paige

John "Jack" W. Peery, Jr.

Rhett L. Weiss



**COUNTY OF PRINCE EDWARD, VIRGINIA**

**Director of Planning and  
Community Development**

Robert Love

Post Office Box 382  
111 N. South Street, 3<sup>rd</sup> Floor  
Farmville, VA 23901

Office: (434) 392-8837

Fax: (434) 392-6683

[rlove@co.prince-edward.va.us](mailto:rlove@co.prince-edward.va.us)  
[www.co.prince-edward.va.us](http://www.co.prince-edward.va.us)

August 4, 2025

C. Scott Davis, Town Manager  
Town of Farmville, Virginia  
P.O. Box 368  
Farmville, VA 23901

From: Robert Love, Director of Planning and Community Development

Subject: Special Use Permit Request – Arcola Towers

Dear Mr. Davis;

Per §15.2-2204 (C) of the Code of Virginia (1950), as amended, you are being sent written notification of a rezoning application as listed in the attached public notice which involves a parcel of land within one-half mile of a boundary with an adjoining locality.

The Prince Edward Planning Commission will hold a public hearing on August 19, 2025 at 7:00 p.m. to receive input on the requests. Instructions of how to listen or participate in the meeting and public hearing are contained on the reverse side of this letter.

If you have any questions or comments, please forward them to my attention no later than noon on the date of the public meeting. please do not hesitate to contact me at: 434-414-3037 or by email at: [rlove@co.prince-edward.va.us](mailto:rlove@co.prince-edward.va.us)

Respectfully,

Robert Love

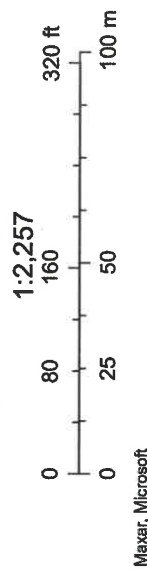
Director of Planning and Community Development

# Arcola Towers SUP - Tax Map # 023B-2-2



August 5, 2025

- Parcels
- Road Centerline
- Parcel Labels
- Farmville Boundary
- County Boundary



# ARCOLA TOWERS – TAX MAP # 023B-2-2

## SUP CONDITIONS

### SITE PLAN

1. Development activities on the site shall be limited to those as specified in the Special Use Permit Application and Site Plan. The final locations of incidental facilities may be adjusted provided no such adjustment violates any buffers, setbacks, or other statutory requirement. The concepts reflected in the filed special use permit dated 07/03/2025 are hereby made part of these development conditions.
2. The maximum tower height shall not exceed 199 feet, including antennas.
3. Any proposed expansion of the operation, change of activities or additional facilities or activities shall be submitted to the Prince Edward County Planning and Community Development office for review prior to implementation. Any changes may be subject to Permit amendment procedures, including Public Hearings.
4. The site shall meet all minimum use and design standards set forth in Sec. 3-100.13 – Miscellaneous Uses-Towers of the Prince Edward County Code (Zoning Ordinance).
5. All landscaping shall be mulched and maintained to the reasonable satisfaction of the Prince Edward County Planning and Community Development Director. Any vegetation found to be of poor condition shall be replaced and/or improved at the reasonable direction of the Planning and Community Development Director or his designee.

### ENVIRONMENTAL

6. All pollution control measures, erosion and sediment control measures, storm water control facilities, and all construction activities shall comply with the requirements of the appropriate federal, state, and local regulations and ordinances.
7. Any development activities of structural or of a land disturbing nature not specifically addressed by these Conditions shall be in conformance with applicable provisions of federal, state, and local statutes and regulations.

### TRANSPORTATION

8. All entrances to the site shall be installed in accordance with and permitted by the Virginia Department of Transportation.

### GENERAL

9. The tower shall be inspected every five years and certified as safe by a private firm contracted by the applicant. A copy of the inspection report shall be submitted to the Prince Edward County Planning and Community Development Office.
10. This Permit is non-transferable, except and unless written notice from the Permittee regarding the transfer, and a signed document from the proposed new Permittee is received by the Planning and Community Development Office which states that the new Permittee agrees to comply with all terms and Conditions imposed with the original Permit Issuance. If the proposed new Permittee desires to amend the original Permit Conditions, amendments must be addressed by the Prince Edward County Planning Commission and Board of Supervisors through the Special Use Permit process.
11. Failure of Permittee to fully conform to all terms and conditions may result in revocation of this Special Use Permit if said failure or failures are not corrected or addressed to the satisfaction, not to be unreasonably withheld, of the County within thirty (30) days of written notice from the County.