Design Review Board

Official Public Notice

To: Property Owners, Owners of property located within 500 feet of the following Applications, and Neighborhood Association Representatives.
From: Planning and Development Staff
Subject: Upcoming Applications for the Design Review Board – Urban Design Panel
Date: May 20th, 2020

Public meetings will be hosted virtually online and can be accessed at greenvillesc.gov/meeting using the password meetnow. Instructions to access the meeting, and information regarding a remote viewing location, are included at the end of this notice.

A remote meeting viewing location has been set up at the Greenville Civic Center at 1 Exposition Drive in Room 102.

The City of Greenville Design Review Board – Urban Design Panel will hold a Public Hearing on Thursday, June 4th, 2020 at 4:00 PM via the virtual meeting platform, Webex, for the purpose of considering the following applications:

A. Old Business (public hearing)
   i. None

B. New Business (public hearing)
   i. CA 20-254
      Application by ExteNet Systems for a CERTIFICATE OF APPROPRIATENESS for updates to an existing wireless telecommunication system in the right-of-way of the central business district, on existing utility and decorative street light poles.

Documents:

CA 20-254 - PUBLIC NOTICE PACKET - EX TENET.PDF

You are invited to review documents relating to these applications before the public hearing. Application materials are posted online at http://www.greenvillesc.gov/drb. You may contact the Planning Office at (864) 467-4476 for more information. Application materials are subject to change.
You will have the opportunity to voice your comments at the public hearing. Each speaker is limited to 3 minutes. Repetitive statements should be avoided; individuals sharing similar concerns are encouraged to appoint a spokesperson to represent their group. Alternatively, you may submit written comments to: Planning & Development Office, PO Box 2207, Greenville, SC 29602, by fax at (864) 467-4510, or by email at planning@greenvillesc.gov.

Written comments must be received by 2PM Monday before the hearing in order to be given adequate time for consideration by the Board before the hearing. Comments received after 2PM Monday will be provided to the Board at the hearing. Please reference the application number and include your name and address on all correspondence. All comments will be made part of the public record.

In some cases the applicant may be required, as part of the application process, to hold a neighborhood meeting before the application is heard by the Board. Property owners within 500' of the application site would then be notified by mail. A property owner that directly abuts the proposed project or owners of 20% of parcels within 500' may also request a meeting. Contact the Planning and Development Office for further instructions.

**Webex Meeting Instructions**

**Steps for Online Access**

1. Visit greenvillesc.gov/meeting. You can also go to greenvillesc.gov and click on ONLINE MEETING.

   Enter your: First Name
   Enter your: Last Name
   Enter your: Email Address
   Enter the event password: meetnow
   Click: Join Now

**Steps for Phone Access**

1. Dial: +1-415-655-0002
2. Enter Access Code: 716 822 746

**Remote Viewing Location**

A remote meeting viewing location has been set up at the Greenville Civic Center at 1 Exposition Drive in Room 102.

All attendees at the remote viewing location will be subject to a temperature screening with a touch-less forehead thermometer. Anyone with a temperature reading above 100 degrees Fahrenheit will not be admitted. Attendees will be required to wear a covering over their mouth and nose, unless it violates a religious tenant or belief or causes difficulty breathing. The City seeks input from citizens while adhering to public health and safety guidelines.

**Procedure for Public Comment during Meeting**

1. The Design Review Board Chair will read through each agenda item and
call for a list of names who wish to speak during public comment. The public shall communicate directly with the Planning Staff Liaison if they wish to speak on the specific agenda item.

2. The Planning Staff Liaison will take a list of names, which will be called in order at the time of the specific agenda item, to provide public comment.

3. The Planning Staff Liaison will communicate directly with the public during the public portion of each item to provide comments on the specific agenda item.

4. Each member of the public shall provide their comments when their name is called by the Planning Staff Liaison.

5. Each member of the public will have 3 minutes to speak on the specific agenda item.

6. The Planning Staff Liaison will continue through the list of names until all members of the public who wished to speak on the specific agenda item have had an opportunity.

7. Once all names are called and public comment provided, the public portion for that specific agenda item will be closed.
AppliCation for Certificate of Appropriateness
Urban Design Panel

Contact Planning & Development:
(864) 467-4476

*Indicates Required Field

Applicant/Owner Information

<table>
<thead>
<tr>
<th>Applicant</th>
<th>Property Owner</th>
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<tbody>
<tr>
<td>Name: ExteNet Systems, Inc./Eric Lovvorn</td>
<td>City of Greenville - Public ROW</td>
</tr>
<tr>
<td>Title: External Relations Director</td>
<td></td>
</tr>
<tr>
<td>Address: 3030 Warrenville Rd., Ste. 340, Lisle, IL 60532</td>
<td></td>
</tr>
<tr>
<td>Phone: 770-337-5760 (Eric Lovvorn mobile)</td>
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</tr>
<tr>
<td>Email: <a href="mailto:elovvorn@extenetsystems.com">elovvorn@extenetsystems.com</a></td>
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Property Information

*Street Address City of Greenville - Public Right of Way

*Tax Map #(S) N/A

*SPECIAL DISTRICT: 4 of 19 nodes (nodes A, E, I, and J) are in the West End Historic Commercial District

Description of Request

To include scope of project and justification or response to specific guidelines and special conditions.

ExteNet Systems, Inc., a licensed telecommunications infrastructure company in the State of South Carolina, owns and operates a Small Cell Wireless Network in the City of Greenville under the terms and conditions of a Franchise and other agreements with the City of Greenville.

There are currently nineteen (19) Small Cell node poles in downtown Greenville, most of which are collocated on Duke Energy Street Light poles with others collocated on city owned traffic and security camera/wifi poles.

ExteNet is requesting to extend the heights of the pole top extensions on these poles to accommodate new 5G antennas/radios required by it's leased customer, Verizon Wireless. The current pole top extensions are 2 feet 8 inches in height above the tops of the poles (antenna bracket shroud covers an additional 4 inches of the tops of the poles) and would be increased to a total of 9 feet 3 1/2 inches in height above the tops of the poles. Equipment on the tops of the poles would be enclosed in a stealth concealment shroud.
INSTRUCTIONS

1. Preliminary meeting with staff is required prior to application submittal.

2. All applications and fees (made payable to the City of Greenville) for Certificate of Appropriateness must be received by the Planning & Development office no later than 2:00 p.m. on the date reflected on the attached schedule.

   A. URBAN DESIGN PANEL
      Site plan review $300.00
      Architectural review $300.00

   B. SIGNS $150.00

   C. APPLICATION FOR STAFF REVIEW
      Major (all site development activity, roof gardens, decks or accessory structures; or any project that requires consultation with a member of the DRB). $100.00
      Minor (color change; replacement of windows/doors; additions, deletions or replacement of awnings; re-roofing; and projects that do not involve structural alterations, increase/decrease in window/door area or removal of architectural features). $50.00

   D. INFORMAL REVIEW

   E. MODIFICATION TO AN APPROVED PROJECT
      Major (requires review by DRB) ½ original fee
      Minor (requires review by staff) $50.00

   F. REVISIONS (multiple required revisions may be subject to additional fees).

3. The staff will review the application for “sufficiency” pursuant to Section 19-2.2.6, Determination of Sufficiency and will contact the applicant to correct any deficiencies, which must be corrected prior to placing the application on the Design Review Board agenda.

4. If the application requires review by the Urban Design Panel, public hearing signs must be posted on the subject property at least 15 days (but not more than 18 days) prior to the scheduled hearing date.

5. You must attach one (1) complete set of scaled drawings of the property at an appropriate scale such as 1"=20' or ¼” = 1’, etc. Although construction drawings are not required, applicants for final approval should be able to provide construction drawings at the Design Review Board’s (DRB) request. The Board may request additional information at any time to fully understand the proposal. Items submitted to the Board become the property of the City and will not be returned.

SITE PLAN REVIEW

- Site Plan Drawings (indicating footprint of existing buildings, proposed building, proposed exterior elements, demolition of existing site features, floor plan, proposed exterior equipment, etc.).
- Massing Studies and Images (images shall be high resolution and should depict adjacent building, proposed building massing from various viewpoints, initial architectural details, photos of surroundings to review context, etc.).
- Model (physical or digital model that includes the surrounding context with massing only, no texture or articulation is required). The contextual model for the DRB boundary can be downloaded here: https://greenvillesc.sharefile.com/d-s4197849a61943358, and is provided as a .skp file. Data is updated monthly.
ARCHITECTURAL REVIEW

- Elevation Drawings of all Exterior Sides (indicate proposed materials, existing grade and proposed grade, proposed mechanical equipment, outdoor lighting fixtures, landscape drawings, design and location of signage, removal of existing building elements, addition to existing building, a streetscape elevation of building adjacent to and across the street from the site, including the proposed building).

- Sections (include vertical dimensions in feet, building sections where significant changes occur in building volume, wall section for review of material relationships).

- Detail Drawings (include material and methods of each type of construction affecting the exterior appearance of the structure, samples, brochures and photographs of all exterior finishes, windows, fixtures, lighting and signage).

- Renderings (include perspective drawings, including views from pedestrian and public realm).

- Model (physical or digital model that includes the surrounding context and should include accurate scale, architectural detail to the extent that it describes the design intent, proposed textures and proposed signage).

For more detail on these submittal requirements, please refer to the Greenville Downtown Design Guidelines, adopted May 2017.

Please verify that all required information is reflected on the plan(s). Please submit one (1) paper copy and one (1) electronic version of the plan(s).

6. Please read carefully:

The applicant and property owner affirm that all information submitted with this application, including any/all supplemental information, is true and correct to the best of their knowledge and they have provided full disclosure of the relevant facts.

In addition, the applicant affirms that the applicant or someone acting on the applicant's behalf has made a reasonable effort to determine whether a deed or other document places one or more restrictions on the property that preclude or impede the intended use and has found no record of such a restriction.

If the Planning & Development office, by separate inquiry, determines that such a restriction exists, it shall notify the applicant. If the applicant does not withdraw or modify the application in a timely manner or act to have the restriction terminated or waived, the Planning & Development office will indicate in its report to the Design Review Board that granting the requested change would not likely result in the benefit the applicant seeks.

7. To that end, the applicant hereby affirms that the tract or parcel of land subject of the attached application is ___ or is not ___ restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the requested activity.

*Signatures*

Applicant

Date

Property Owner/Authorized Agent

Date

Public Hearing Information

Public Hearing Signs

CITY OF GREENVILLE APPLICATION FOR CERTIFICATE OF APPROPRIATENESS
PAGE 3 OF 3
ExteNet Small Cell Network, Downtown Greenville, SC

Proposed 5G Node Pole Upgrades for Verizon Wireless

May 15th, 2020
EXISTING NODE POLES AND FIBER MAPS AND NODE DETAILS
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PHOTO SIMULATIONS FOR 5G UPGRADES OF DIFFERENT POLE TYPES IN DOWNTOWN GREENVILLE
5G Vision

- 3D/UHD video telepresence
- Tactile Internet
- UHD video streaming
- Demanding conditions, e.g. venues
- Broadband ‘fiber’ to the home
- Virtual reality

Extreme throughput
multi-gigabits per second

Ultra-low latency
down to 1ms e2e latency

Uniform experience
with much more capacity

Enhanced Broadband
Massive IOT
Mission Critical Services
5G Vision

- Smart cities
- Smart homes
- Utility metering
- Wearables / Fitness
- Remote sensors / Actuators
- Object tracking

Power efficient
- Multi-year battery life

Low complexity
- Low device and network cost

Long range
- Deep coverage

Enhanced Broadband | Massive IOT | Mission Critical Services
5G Vision

Autonomous vehicles

Robotics

Energy / Smart grid

Industrial automation

Aviation

Medical

High reliability
Very low loss rate

Ultra-low latency
Down to 1ms e2e latency

High availability
Multiple links for failure tolerance & mobility

Enhanced Broadband
Massive IOT
Mission Critical Services
5G Applications – Outdoor Small Cell Network

- **C-V2X**: Intelligently connecting the car to surroundings and cloud
- **V2V**: Vehicle-to-vehicle (e.g., collision avoidance safety systems)
- **V2P**: Vehicle-to-pedestrian (e.g., safety alerts to pedestrians, bicyclists)
- **V2N**: Vehicle-to-network (e.g., real-time traffic/routing, cloud services)
- **V2I**: Vehicle-to-infrastructure (e.g., traffic signal timing/priority)
5G Vision – Network Requirements

- **Lower Latency**: below 1 millisecond
- **Higher Data Rates**: 10x to 100x current 4G rates
- **Higher System Capacity**: 1,000x the capacity
- **Mass Connectivity**: 100x number of connected devices
- **Energy Efficiency**: 10x network & device power savings
- **Increased Agility**: 10x faster time to market

"Extreme range of requirements! Technology gain is not enough to address the needs"
5G Network - Approach

- **Lower Latency**: below 1 millisecond
- **Higher System Capacity**: 1,000x the capacity
- **Energy Efficiency**: 10x network & device power savings
- **Higher Data Rates**: 10x to 100x current 4G rates
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**Technology** | **Densification** | **Spectrum**
The leading provider of Converged Communications Infrastructure and Services in North America, creating long term value for our customers

Thank You!