090-17-CA

605 N BLOUNT STREET
BLOUNT STREET HISTORIC DISTRICT (GENERAL)

Nature of Project:
Installation of small cell utility pole with antenna at overall height of 50 feet

APPLICANT:
MICHAEL HICKS, MOBILITIE, LLC
APPLICATION FOR A CERTIFICATE OF APPROPRIATENESS – STAFF REPORT

090-17-CA 605 N BLOUNT STREET
Applicant: MOBILITIE, LLC
Received: 5/10/2017 Meeting Date(s):
Submission date + 90 days: 8/8/2017 1) 6/22/2017 2) 3)

INTRODUCTION TO THE APPLICATION

Historic District: BLOUNT STREET HISTORIC DISTRICT
Zoning: HOD-G
Nature of Project: Installation of small cell utility pole with antenna at overall height of 50 feet

APPLICABLE SECTIONS OF GUIDELINES and DESCRIPTION OF PROJECT

<table>
<thead>
<tr>
<th>Sections</th>
<th>Topic</th>
<th>Description of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Public Rights-of-Way and Alleys</td>
<td>Installation of small cell utility pole with antenna at overall height of 50 feet</td>
</tr>
</tbody>
</table>

STAFF REPORT

Based on the information contained in the application and staff’s evaluation:

A. Installation of small cell utility pole is not incongruous in concept according to Guidelines 1.1.2, 1.1.2; however installation of a small cell utility pole with an antenna at an overall height of 50 feet may be incongruous according to Guidelines 1.1.10 and the following suggested facts:

1* The proposal is for a 47-foot tall wood pole with a 3-foot antenna on top bringing the total height to 50 feet. Equipment will be mounted at various heights on the pole starting at 6 feet above the ground.

2* The applicant states that the three wood poles nearest to the proposed pole are approximately 40ft with ancillary electrical equipment protruding approximately 2ft above pole height.

3* The pole is proposed to be located in the grass right-of-way near an unused entry drive off of Blount Street adjacent to a William Peace University parking lot. A photographic simulation of the proposal is included in the application.

4* The location of the proposed pole is incorrect on the location maps page of the application packet.
On the planning page (p. 18) of Public Rights-of-Way and Alleys section of the Guidelines it states that “Public right-of-way features such as trees, streetlights, benches, ground cover, sidewalk paving patterns, curbs, and gutters contribute to a district’s character, as do necessary transportation and communication features, such as utility lines and poles, transformers, traffic signs, vending machines, transit stops, and parking booths. Consequently, maintaining the distinctive visual ambiance of a district requires attention to its streets and alleys and their features. Right-of-way characteristics vary from district to district; some vary within districts.”

The commission recently approved a 37’ tall new wood pole with antenna and equipment at the southern end of the Blount Street (COA 073-17-CA) This pole was within 3 feet in height of the nearby poles.

Pending the committee’s determination decision regarding the height of the pole with antenna, staff suggests that the committee approve the application with the following condition:

1. That the new pole and antenna be no more than 3’ taller than wood poles within a half block of the proposed pole.
2. That the revised pole height and associated equipment be provided to and approved by staff prior to the issuance of the blue placard.
Raleigh Historic Development Commission – Certificate of Appropriateness (COA) Application

☐ Minor Work (staff review) – 1 copy
☐ Major Work (COA Committee review) – 10 copies
☐ Additions Greater than 25% of Building Square Footage
☐ New Buildings
☐ Demo of Contributing Historic Resource
☐ All Other

☐ Post Approval Re-review of Conditions of Approval

For Office Use Only
Transaction # 518950
File # 090-17-CA
Fee $147
Amount Paid $147
Received Date 5/10/17
Received By

Property Street Address 605 N. Blount St.

Historic District Blount Street

Historic Property/Landmark name (if applicable) N/A

Owner’s Name NCDOT Public ROW of Blount St.

Lot size N/A (width in feet) N/A (depth in feet) N/A

For applications that require review by the COA Committee (Major Work), provide addressed, stamped envelopes to owners of all properties within 100 feet (i.e. both sides, in front (across the street), and behind the property) not including the width of public streets or alleys (Label Creator).

<table>
<thead>
<tr>
<th>Property Address</th>
<th>Property Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 E. Peace St.  Raleigh, NC 27604</td>
<td>549 N. Blount St.  Raleigh, NC 27604</td>
</tr>
<tr>
<td>6820 Greystone Dr.  Raleigh, NC 27615</td>
<td>540 N. Blount St.  Raleigh, NC 27604</td>
</tr>
<tr>
<td>549 N. Blount St.  Raleigh, NC 27604</td>
<td>612 N. Blount St.  Raleigh, NC 27604</td>
</tr>
<tr>
<td>1123 Old Lystra Rd.  Chapel Hill, NC 27517</td>
<td></td>
</tr>
</tbody>
</table>
I understand that all applications that require review by the commission's Certificate of Appropriateness Committee must be submitted by 4:00 p.m. on the application deadline; otherwise, consideration will be delayed until the following committee meeting. An incomplete application will not be accepted.

<table>
<thead>
<tr>
<th>Type or print the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicant</td>
</tr>
<tr>
<td>Mailing Address</td>
</tr>
<tr>
<td>City</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>Email Address</td>
</tr>
<tr>
<td>Applicant Signature</td>
</tr>
</tbody>
</table>

Will you be applying for rehabilitation tax credits for this project?  □ Yes  □ No

Did you consult with staff prior to filing the application?  □ Yes  □ No

<table>
<thead>
<tr>
<th>Design Guidelines - Please cite the applicable sections of the design guidelines (<a href="http://www.rhdc.org">www.rhdc.org</a>).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section/Page</td>
</tr>
<tr>
<td>Construction of small cell utility pole with antenna at an overall height of 50ft.</td>
</tr>
</tbody>
</table>
Minor Work Approval (office use only)

Upon being signed and dated below by the Planning Director or designee, this application becomes the Minor Work Certificate of Appropriateness. It is valid until _________________. Please post the enclosed placard form of the certificate as indicated at the bottom of the card. Issuance of a Minor Work Certificate shall not relieve the applicant, contractor, tenant, or property owner from obtaining any other permit required by City Code or any law. Minor Works are subject to an appeals period of 30 days from the date of approval.

Signature (City of Raleigh) ___________________________ Date ___________________________

<table>
<thead>
<tr>
<th>TO BE COMPLETED BY APPLICANT</th>
<th>TO BE COMPLETED BY CITY STAFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attach 8-1/2&quot; x 11&quot; or 11&quot; x 17&quot; sheets with written descriptions and drawings, photographs, and other graphic information necessary to completely describe the project. Use the checklist below to be sure your application is complete.</td>
<td>YES N/A</td>
</tr>
<tr>
<td>Minor Work (staff review) – 1 copy</td>
<td>YES NO N/A</td>
</tr>
<tr>
<td><strong>Major Work (COA Committee review) – 10 copies</strong></td>
<td></td>
</tr>
<tr>
<td>1. Written description. Describe clearly and in detail the nature of your project. Include exact dimensions for materials to be used (e.g. width of siding, window trim, etc.)</td>
<td>X</td>
</tr>
<tr>
<td>2. Description of materials (Provide samples, if appropriate)</td>
<td></td>
</tr>
<tr>
<td>3. Photographs of existing conditions are required. Minimum image size 4&quot; x 6&quot; as printed. Maximum 2 images per page.</td>
<td>X</td>
</tr>
<tr>
<td>4. Paint Schedule (if applicable)</td>
<td></td>
</tr>
<tr>
<td>5. Plot plan (if applicable). A plot plan showing relationship of buildings, additions, sidewalks, drives, trees, property lines, etc., must be provided if your project includes any addition, demolition, fences/walls, or other landscape work. Show accurate measurements. You may also use a copy of the survey you received when you bought your property. Revise the copy as needed to show existing conditions and your proposed work.</td>
<td></td>
</tr>
<tr>
<td>6. Drawings showing existing and proposed work</td>
<td></td>
</tr>
<tr>
<td>□ Plan drawings</td>
<td></td>
</tr>
<tr>
<td>□ Elevation drawings showing the façade(s)</td>
<td>X</td>
</tr>
<tr>
<td>□ Dimensions shown on drawings and/or graphic scale (required)</td>
<td></td>
</tr>
<tr>
<td>□ 11&quot; x 17&quot; or 8-1/2&quot; x 11&quot; reductions of full-size drawings. If reduced size is so small as to be illegible, make 11&quot; x 17&quot; or 8-1/2&quot; x 11&quot; snap shots of individual drawings from the big sheet.</td>
<td></td>
</tr>
<tr>
<td>7. Stamped envelopes addressed to all property owners within 100 feet of property not counting the width of public streets and alleys (required for Major Work). Use the Label Creator to determine the addresses.</td>
<td>X</td>
</tr>
<tr>
<td>8. Fee (See Development Fee Schedule)</td>
<td>X</td>
</tr>
</tbody>
</table>
May 9, 2017

Tania Georgiou Tully
Planner II
PO Box 590
Raleigh, NC 27602

RE: MOBILITIE, LLC’S SMALL CELL UTILITY POLE APPLICATION 605 N. BLOUNT ST. ROW

Dear Tania:

Thank you for your time at our previous meeting to discuss Mobilitie’s plans within the NCDOT ROW of Blount St. and within the Blount St. Historic District.

Specifically, Mobilitie is deploying infrastructure to form a network that will provide high-speed, high-capacity bandwidth and mobile connectivity to service the residents, businesses and visitors of Raleigh.

SMALL CELLS SITES

Mobilitie’s Small Cell Sites involves the installation of small, low-powered wireless facilities, consisting of a transmit-receive antenna that communicates with wireless devices, a wireless backhaul antenna that connects the facility to the carrier’s core network, and compact radio equipment mounted on either new or existing utility or light poles. These Small Cells add coverage and capacity to the existing wireless networks, and are designed to blend with existing infrastructure. Enclosed are elevations detailing the specifics of the pole, antenna, and other ancillary equipment along with the Site Plan and Cover Sheet depicting the actual location of the candidate.

REQUEST FOR APPROVAL

Mobilitie respectfully requests that the Historic Review Board consider and approve a Certificate of Appropriateness (COA) for the enclosed application. The application consists of a 15-inch diameter, 47ft wooden pole with 3ft antenna totaling 50ft above ground level. Mobilitie values both the staff and board(s) input to the proposal, and will work closely throughout the permitting and construction process. Please do not hesitate to contact me at 919-604-2736 or mhicks@mobilitie.com if you may need any additional information. Thank you for your attention to this matter.

Respectfully submitted,

Michael Hicks
Permitting Manager

Schedule of Enclosure:

Cover Sheet, Site Plan/Plot Plan, and Pole Elevations (10 copies)
COA Application
Stamped Self Addressed Envelopes within 100ft of parcel that proposed pole is fronting.
Copy of Receipt for Payment of Application Fee
Tania and Melissa,

Please see attached rendering in case you may need this for your files.

Also when you have a moment let me know if the application will proceed either under a major or minor encroachment.

Thanks,

Michael Hicks | NRE Permitting Manager | 919-604-2736 mobile

-----Original Message-----
From: Michael Hicks
Sent: Thursday, June 01, 2017 3:40 PM
To: Michael Hicks <MHicks@mobilitie.com>
Subject: Blount St. Rendering

Your message is ready to be sent with the following file or link attachments:

RA90XS096A_9NCB000849A_SIMs (1)

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.
Tania,

Below are answers to your questions.

1. There are several poles (3) nearest to the proposed candidate which are approximately 40ft with ancillary electrical equipment protruding approximately 2ft above pole height. The material type is wooden for all nearby poles. Some of the nearby poles house just overhead electric lines while other poles contain a combination of overhead lines and street lights. Further away from the candidate location are other wooden poles that range in approximate heights from 30ft - 40ft. The nearest pole, which is located directly across Blount St is shown on the attached photo. Again, the overall height with equipment is approximately 42ft.
2. Our pole is 46.8 (round up to 47) feet with a 3ft antenna on top. Thus, the overall antenna height of 50ft. The material type of the proposed pole is wood.
3. Best example to demonstrate what the antenna looks like can be seen on attached pdf document.
4. Best example to demonstrate what the equipment looks like can be seen on attached pdf document.

Michael Hicks  |  NRE Permitting Manager  |  919-604-2736  mobile

-----Original Message-----
From: Michael Hicks
Sent: Tuesday, June 06, 2017 1:53 PM
To: ‘Tully, Tania’ <Tania.Tully@raleighnc.gov>; Robb, Melissa <Melissa.Robb@raleighnc.gov>
Cc: Tannyka Bent <tannyka.bent@mobilitie.com>
Subject: Blount St. Rendering 090-17-CA (605 N Blount Street)

Tania,

I will get you information back tomorrow to answer your below questions.

Michael Hicks  |  NRE Permitting Manager  |  919-604-2736  mobile

-----Original Message-----
From: Tully, Tania [mailto:Tania.Tully@raleighnc.gov]
Sent: Tuesday, June 06, 2017 1:30 PM
To: Michael Hicks <MHicks@mobilitie.com>; Robb, Melissa <Melissa.Robb@raleighnc.gov>
Subject: RE: Blount St. Rendering 090-17-CA (605 N Blount Street)

Hi Michael -

This item will remain on the agenda for the RHDC.
SITE ID-CANDIDATE LETTER/CASCADE ID-CANDIDATE LETTER: 9NCB000849A/RA90XS096A

LATITUDE/LONGITUDE:
35.788401/-78.636082

CROSS STREET:
N BLOUNT ST & PEACE STREET

CITY, STATE, ZIP:
RALEIGH, NC 27604
(WAKE COUNTY)

GENERAL NOTES

THE FACILITY IS UNMARKED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE, AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OF EFFECT ON THE LAND SC. NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

SITE INFORMATION

SITE ID:
9NCB000849A

CASCADE ID:
RA90XS096A

LATITUDE:
35.788401

LONGITUDE:
-78.636082

CROSS STREET:
N BLOUNT ST & PEACE STREET

CITY, STATE, ZIP:
RALEIGH, NC 27604

COUNTY:
WAKE COUNTY

JURISDICTION:
CITY OF RALEIGH

PROPERTY OWNER:
PUBLIC RIGHT-OF-WAY

APPLICANT:
MOBITILE, LLC
3475 PIEDMONT ROAD NE SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

ENGINEER:
JACOB'S ENGINEERING GROUP, INC.
9145 BELLS FERRY ROAD
ACWORTH, GA 30102

CONTACT: KARL KRATAKA
PROJECT MANAGER
TEL: (770) 469-1416
PROJECT: EN000201

DO NOT SCALE DRAWINGS

CONTRACTORS SHALL VERIFY ALL PLANS, (E) DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT DESCRIPTION

END USER PROPOSES TO INSTALL ANTENNA EQUIPMENT ON A NEW MOBILE MAST WITHIN AN EXISTING RIGHT-OF-WAY.

THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL A NEW MOBILE MAST WITH PROPOSED BACKHAUL TRANSPORT EQUIPMENT

CODES

2015 INTERNATIONAL BUILDING CODE
2014 NATIONAL ELECTRICAL CODE
1W/5A-22G-6-2 OR LATEST EDITION LOCAL BUILDING/PLANNING CODE

DRAWING INDEX

SHEET NO. SHEET TITLE
T-1 TITLE SHEET
SP-1 EXHIBIT PHOTO & SITE PLAN
DV-1 POLE ELEVATIONS
PL-1 PLUMBING & RISER DIAGRAM
EQ-1 EQUIPMENT DETAILS
EQ-2 EQUIPMENT DETAILS
DV-1 EXCAVATION DETAILS
E-1 ELECTRICAL DETAILS
G-1 GROUNDING DETAILS
S-1 POLE EMBIMENT DETAILS
TC-1 VEHICULAR TRAFFIC CONTROL PLAN
TC-2 PEDESTRIAN SAFETY PLAN
GN-1 GENERAL NOTES
GN-2 GENERAL NOTES
GN-3 GENERAL NOTES

MAP DATA © 2016 GOOGLE

DRAWING INDEX

SHEET NUMBER SHEET TITLE
T-1

MOBITILE, LLC
3475 PIEDMONT ROAD NE SUITE 1000
ATLANTA, GEORGIA 30305
PHONE: (312) 638-5400

CROSS STREET:
N BLOUNT ST & PEACE STREET

CITY, STATE, ZIP:
RALEIGH, NC 27604
(WAKE COUNTY)
T/F OF (N) ANTENNA = 8 50'-0"
E OF (N) ANTENNA = 8 45'-0"
B/F OF (N) ANTENNA = 8 47'-0"
T/F OF (N) POLE = 8 45'-0"

(N) OWN-DIRECTIONAL ANTENNA TO BE INSTALLED

1/ OF (N) ANTENNA = 8 50'-0"
E OF (N) ANTENNA = 8 45'-0"
E OF (N) ANTENNA = 8 41'-0"
T/F OF (N) POLE = 8 45'-0"

(N) CLASS II WOOD POLE

(N) WEATHER HEAD FOR NEW OVERHEAD UTILITY
(1) (N) 3" ROG GALVANIZED STEEL CONDUIT FOR POWER

(N) UE RELAY ATTACHED WITH 3/8" THROUGH BOLT

(N) GPS ANTENNA MOUNTED TO RADIO

(N) RADIO ATTACHED WITH 3/8" THROUGH BOLT

(N) AC POWER DISTRIBUTION ATTACHED WITH 1/2" STEEL BANDING

(N) 100A AMPETER ATTACHED WITH 1/2" STEEL BANDING

(N) DISCONNECT ATTACHED WITH 1/2" STEEL BANDING

E OF (N) AC DISTRIBUTION BOX = ±11'-0"
E OF (N) WIRE = ±8'-0"
E OF (N) UE RELAY = ±17'-0"
E OF (N) UE RELAY = ±17'-0"
E OF (N) RADIO HEAD = ±15'-0"
E OF (N) AC DISTRIBUTION BOX = ±11'-0"
E OF (N) METER = ±8'-0"

SIDE VIEW

NOTES:
1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. ALL CABLES SHALL BE Secured TO POLE EVERY 36" OR LESS.
3. LIGHTNING RODS SHALL BE INCLUDED AS REQUIRED.

BACK VIEW

GRADE

Pole Embedment

CONTRACTOR TO PROVIDE PILE STAKES FOR FOUNDATIONS (SEE NOTE 2, FOUNDATIONS, OR 2)

INCORPORATION OF THIS SHEET INTO ANY OTHER DOCUMENT WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT IS PROHIBITED.

(SIGNATURE)

RAGx0303049A
2030903439A
N-6841ST & PEACE STREET
MALEGH, NC 27604
UTILITY POLE

SEAL

POLE ELEVATIONS

SCALE: 1" = 8'

(N) POLE ELEVATIONS

SYMBOL

PROJECT NO.

DRAWN BY:

CHECKED BY:

PRELIM - NOT FOR CONSTRUCTION

1. M.L.  
2. M.C.  
3. P.M.

SEAL 207

NORTH CAROLINA

MOBITIE

3475 PREMONT ROAD NE
ATLANTA, GEORGIA 30305
PHONE: (312) 838-5403

PLOT TIME: 00:00

M. LAURENT

N. P. ROMBA

PLOT DATE: 00/00/00

(6) SHEET NUMBER

EV-1

1

10
STANDALONE POLE: STANDARD

**Standard Equipment**

**Design Highlights**
- Site electronics placed directly on pole structure
- Weighs approx. 55 lbs. enabling the attachment to existing poles
- Components can be painted to match existing structures or to comply with JX color scheme
- Equipment designed for ambient air cooling and does not require fan-fed cooling.
- Sidearm mounted UE Relay provides better view 360° around pole allowing placement opposite the flow of traffic

**Shown**
- Omni antenna @ pole top and in alignment with pole axis minimizing visual impact
- UE Relay Unit & standoff @ 17’6” AGL
- GPS mounted on radio head @ 13’6”
- Radio head @ 13’ AGL
- NEMA 4 Power Panel @ 11’ AGL

**Not Shown**
- Utility Meter & Disconnect @ 6’ AGL per code
- Cabling within the pole is the first option over placing outside the structure
Small Cell Equipment

Wireless backhaul (UE Relay) installed at 17.5 ft above ground

RF Antenna
Installed designed elevation

PROPRIETARY & CONFIDENTIAL
Small Cell Equipment

Radio Installed at 15 ft above ground

Microwave and Power over Ethernet unit, installed when UE Relay is not an option.