



COMMONWEALTH OF VIRGINIA
COUNTY OF HENRICO

R.J. Emerson, Jr., AICP
Director of Planning
(804) 501-4602

December 20, 2016

Mr. Douglas A. Middleton
Deputy County Manager
for Public Safety
4301 E. Parham Road
Henrico, VA 23228

Re: Provisional Use Permit PUP2016-00013

Dear Mr. Middleton:

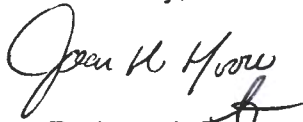
The Board of Supervisors at its meeting on December 13, 2016, approved your request for a Provisional Use Permit under Sections 24-95(a)(3), 24-120 and 24-122.1 of Chapter 24 of the County Code in order to construct a lattice-style public safety telecommunications tower up to 308' in height and related equipment on part of Parcel 787-758-3213, located adjacent to the on-ramp from westbound E. Parham Road to northbound Interstate 95, subject to the following conditions:

1. The height of the telecommunication tower and all equipment shall not exceed 308 feet.
2. This permit shall apply only to the lease area identified in Exhibits A and B (see case file).
3. Application for a building permit to install the telecommunication tower must be made within one year after the Provisional Use Permit is granted by the Board of Supervisors, unless an extension of time is granted by the Director of Planning upon a written request by the applicant.
4. When site construction is initiated as a result of this Provisional Use Permit, the applicant shall complete requirements prescribed by Chapter 10 of the Henrico County Code. In particular, land disturbance of more than 2,500 square feet will require that construction plans include a detailed drainage and erosion control plan prepared by a professional engineer certified in the State of Virginia.
5. To ensure adequate screening of the ground equipment compound, a landscaping plan shall be submitted with the building permit application to construct the tower. The Director of Planning may waive this condition if supplemental screening is determined not to be necessary.

Mr. Douglas A. Middleton
December 20, 2016
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The Planning Department has been advised of the action of the Board of Supervisors and requested to revise its records.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Joseph Emerson, Jr.", with a stylized flourish at the end.

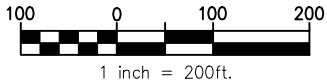
R. Joseph Emerson, Jr., AICP
Director of Planning

pc: Mr. John A. Vithoulikas, County Manager
Mr. Randall R. Silber, Deputy County Manager
Mr. Timothy A. Foster, Deputy County Manager
Mr. Joseph P. Rapisarda, Jr., County Attorney
Mr. Humberto I. Cardounel, Jr., Chief, Police Division
Lt. Col. Carl A. Mueller, Assistant Chief, Police Division
Mr. John Neal, Director of General Services
Mr. Tim Glynn, Pyramid Network Services



- GENERAL NOTES:
1. PROPERTY OFFSETS ARE APPROXIMATE. FINAL LOCATION OF COMPOUND TO BE DEVELOPED FROM TOWER ☺
 2. PROPERTY LINES SHOWN ARE BASED ON A MAP FROM THE HENRICO COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS) AND AERIAL PHOTOS. THE PROPERTY LINES ARE NOT TO BE USED IN PLACE OF A SURVEY AND DEEDS, BUT ARE SHOWN FOR REFERENCE ONLY
 3. THE LOCATION, SIZE & TYPE OF MATERIAL OF EXISTING UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING THE SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS & SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION & ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES & THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS & SERVICES SHALL BE RESORTED TO SERVICE AT ONCE & PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
 4. ALL PROPOSED CONSTRUCTION ACTIVITIES & MODIFICATIONS SHALL COMPLY WITH MOTOROLA R-56 STANDARDS, MOST CURRENT REVISION.

Site Location Plan



NOTE: SITE WAS RELOCATED TO CURRENT POSITION AFTER SITEMARK WAS COMPLETED HERE 08-29-16

ANY DISCREPANCIES BETWEEN THIS DRAWING PACKAGE AND EXISTING FIELD CONDITIONS MUST BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

EXHIBIT A

PUP2016-00013

PRELIMINARY
NOT FOR
CONSTRUCTION

111716

| | | | | | |
|-----|----------|-------------------|-----|-----|-------|
| G | 11-17-16 | ISSUED FOR REVIEW | MLM | MJA | |
| F | 09-22-16 | ISSUED FOR REVIEW | MLM | MJA | |
| E | 09-19-16 | ISSUED FOR REVIEW | MLM | MJA | |
| D | 09-16-16 | ISSUED FOR REVIEW | MLM | MJA | |
| C | 09-12-16 | ISSUED FOR REVIEW | MLM | MJA | |
| NO. | DATE | REVISIONS | BY | CHK | APP'D |



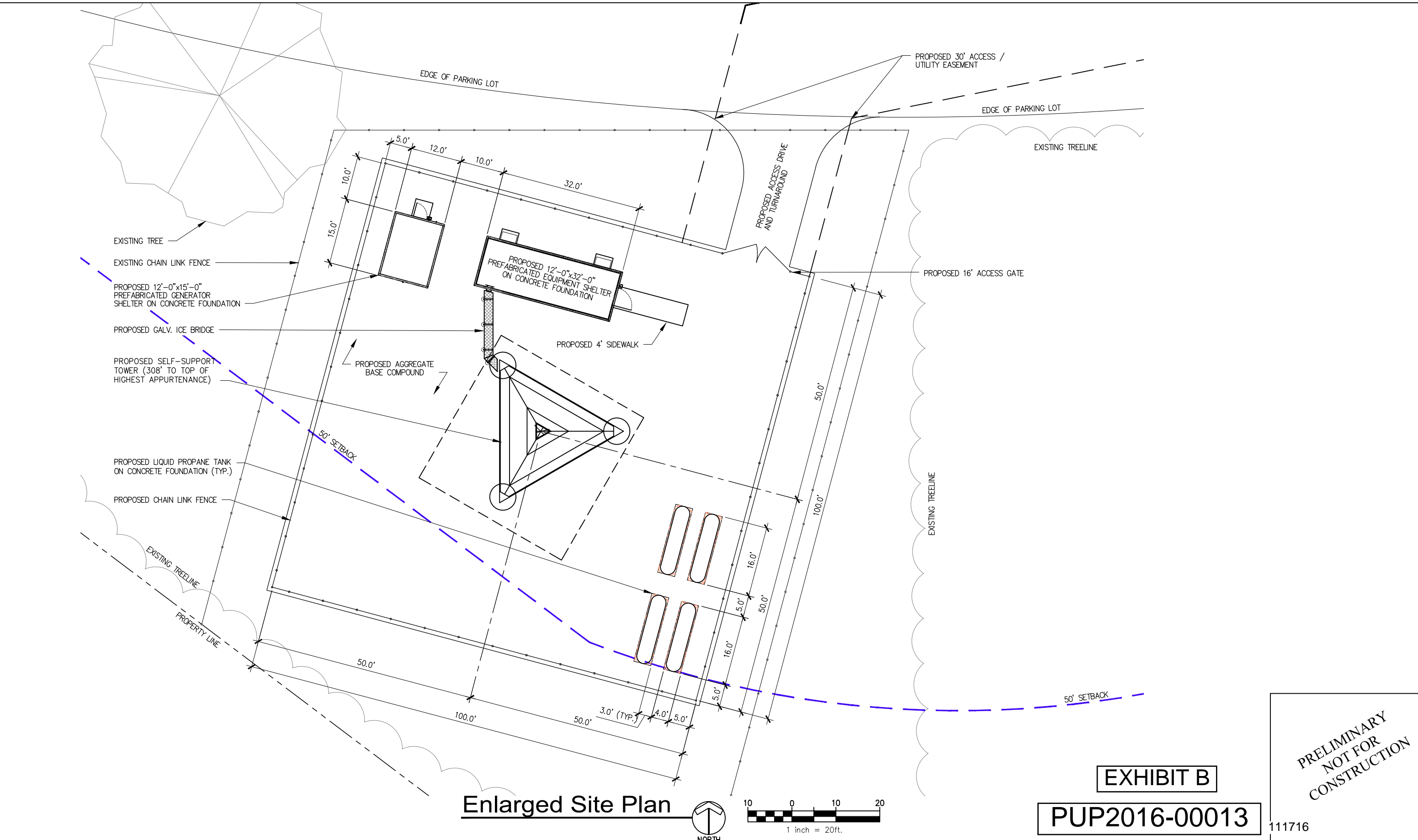
SITE LOCATION PLAN

BEST PLAZA
1400 BEST PLAZA DR.
RICHMOND, VA 23227

C-1

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Enlarged Site Plan

EXHIBIT B

PUP2016-00013

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MOTOROLA
SOLUTIONS

ENLARGED SITE PLAN

C-2

BEST PLAZA
1400 BEST PLAZA DR.
RICHMOND, VA 23227

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Best Plaza- 300' TOWER
LAT: N 37° 38' 17.26"
LON: W 77° 26' 56.85"

Antenna/Appertunace Location Chart

E = EXISTING
N = NEW
F = FUTURE

| ANTENNA INFORMATION | | | | | | | | | | FEEDLINE INFORMATION | | | | |
|---------------------|--------------|-----------|------|--------|-------------|------------|-----------|---------|------|----------------------|--------------|---------|--------|------|
| ANTENNA ID | MANUFACTURER | MODEL | TYPE | LENGTH | BOTTOM ELEV | RAD CENTER | TOP ELEV. | AZIMUTH | QTY. | TYPE | MANUFACTURER | MODEL | SIZE | QTY. |
| N1 | RFS | SU4-107BC | MW | 4.0' | 137.0' | 139.0' | 141.0' | | 1 | COAX | FLEXWELL | E105 | 1.3" | 1 |
| N2 | RFS | PAD6-65B | MW | 6.0' | 152.0' | 155.0' | 158.0' | | 1 | COAX | FLEXWELL | E60 | 2" | 1 |
| N3 | RFS | PAD6-65B | MW | 6.0' | 219.0' | 222.0' | 225.0' | N/A | 1 | COAX | FLEXWELL | E60 | 2" | 1 |
| N4 | RFS | BMR12-H | TX | 20.0' | 240.0' | 250.0' | 260.0' | N/A | 5 | COAX | COMMSCOPE | AVA7-50 | 1-5/8" | 5 |
| N5 | RFS | BMR12-H | RX | 20.0' | 265.0' | 275.0' | 285.0' | N/A | 2 | COAX | COMMSCOPE | AVA5-50 | 1-1/4" | 2 |
| N6 | - | - | TTA | N/A | - | 265.0' | - | N/A | 2 | COAX | COMMSCOPE | LDF4-50 | 1/2" | 2 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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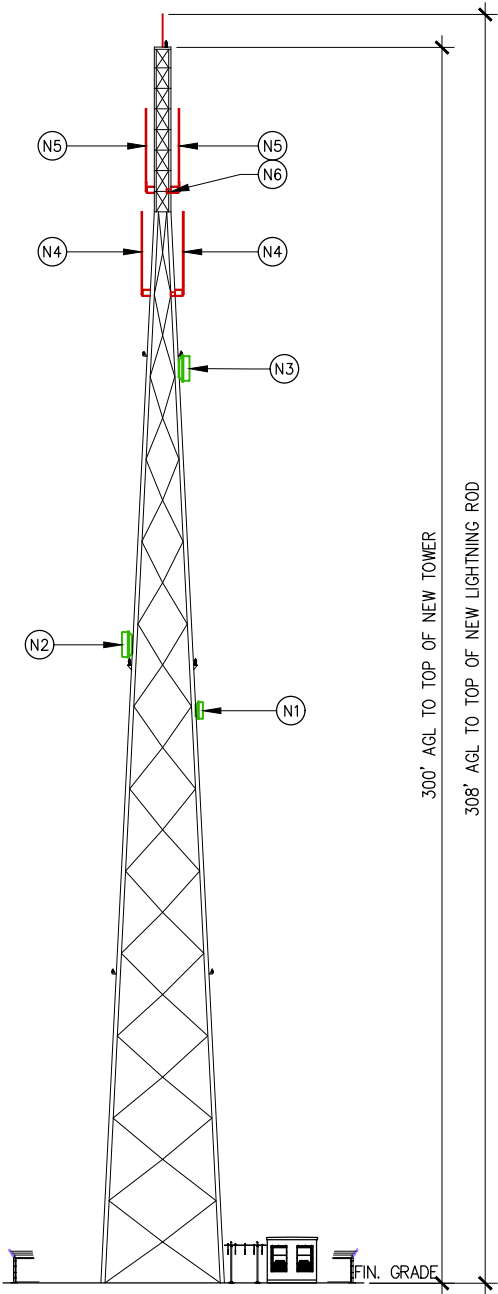
GENERAL NOTES:

- MISSION 1 COMMUNICATIONS HAS NOT COMPLETED A STRUCTURAL ANALYSIS FOR THE EXISTING OR PROPOSED LOADING OF ANY STRUCTURES AT THIS TIME. FINAL STRUCTURAL ANALYSIS TO BE COMPLETED BY OTHERS PRIOR TO CONSTRUCTION ACTIVITIES COMMENCE.
- ALL VERTICAL TRANSMISSION LINE RUNS FROM THE ANTENNAS SHALL BE GROUNDED NEAR THE TOP & BOTTOM OF THE TOWER(BEFORE THE CABLE MAKES HORIZONTAL TRANSITION & NEAR ENTRY PORT ON THE SHELTER). ADDITIONAL TRANSMISSION LINE GROUND KITS SHALL BE INSTALLED AS NEEDED TO LIMIT THE DISTANCE BETWEEN GROUND KITS TO 75 FEET.
- THE CONTRACTOR SHALL CONDUCT A TDR SWEEP TEST ON ALL THE NEWLY INSTALLED TRANSMISSION LINES TO DETERMINE THE CABLE CONDUCTOR RESISTANCE, CABLE INSERTION LOSS, REFLECTION & STIMULUS RESPONSE MEASUREMENTS. RESULTS TO BE SUBMITTED TO MOTOROLA.
- DRIP LOOPS SHALL BE INCORPORATED IN CABLE RUNS TO PREVENT WATER FROM TRICKLING DOWN THE LINES INTO THE SHELTER.
- ALL TRANSMISSION LINES SHALL BE MARKED WITH APPROPRIATE COLOR TAPE BANDS (ONE INCH WIDE COLOR TAPE) FOR IDENTIFICATION NEAR THE ANTENNA. JUST BEFORE ENTERING THE SHELTER AS WELL AS INSIDE THE SHELTER, BEFORE CONNECTING TO THE SURGE SUPPRESSORS. SEE EQUIPMENT & COAXIAL CABLE SCHEDULE FOR COLOR CODING SCHEME.

NOTES:

MOUNT FOR SINCLAIR 412 ANTENNA IS TO BE PROVIDED BY TOWER MANUFACTURER AND IS NOT PART OF THESE DRAWINGS. COORDINATE MOUNT WITH CONSTRUCTION MANAGER.

INSTALLATION OF MICROWAVE EQUIPMENT IS NOT PART OF THIS CONTRACT AND IS NOT TO BE CONSIDERED AS PART OF THIS BUILDING PERMIT.



1 Tower Elevation
NOT TO SCALE

EXHIBIT C

PUP2016-00013

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TOWER ELEVATION AND
ANTENNA INFORMATION

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1400 BEST PLAZA DR.
RICHMOND, VA 23227

C-3

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