

Parcels or Portions thereof identified on this sheet are within the Airport Safety Overlay District and are subject to Special Regulation

**PUP2016-00014**

## Zoning

Public Safety Communications Tower

Fairfield District

800

Feet



PS September 2016

Ref: 800-741-8157



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 PUP2016-00014

Dear Mr. Middleton:

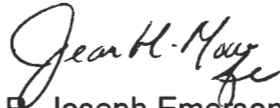
The Board of Supervisors at its meeting on December 13, 2016, approved your request for a Provisional Use Permit under Sections 24-95(a)(3), 24-120 and 24-122.1 of Chapter 24 of the County Code in order to construct a lattice-style public safety telecommunications tower up to 308' in height and related equipment on Parcel 800-741-8157, located on the east line of Vawter Avenue approximately 4,000' north of its intersection of E. Laburnum Avenue, 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. Ten (10) sets of the construction plans shall be submitted to the Department of Public Works for approval.
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.

Mr. Douglas A. Middleton  
December 20, 2016  
Page 2

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 cursive script, appearing to read "R. Joseph Emerson, Jr.", written in dark ink.

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.

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

NOTE: SITE WAS RELOCATED TO CURRENT POSITION HERE 10-18-16

### Site Location Plan

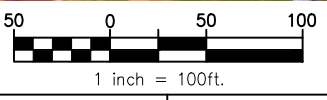


EXHIBIT A

PUP2016-00014

102516

PRELIMINARY  
NOT FOR  
CONSTRUCTION

NO.	DATE	REVISIONS	BY	CHK	APP'D
I	10-25-16	ISSUED FOR REVIEW	MLM	MJA	
H	10-20-16	ISSUED FOR REVIEW	MLM	MJA	
G	10-18-16	ISSUED FOR REVIEW	MLM	MJA	
F	09-28-16	ISSUED FOR REVIEW	CAH	MJA	
E	09-19-16	ISSUED FOR REVIEW	MLM	MJA	



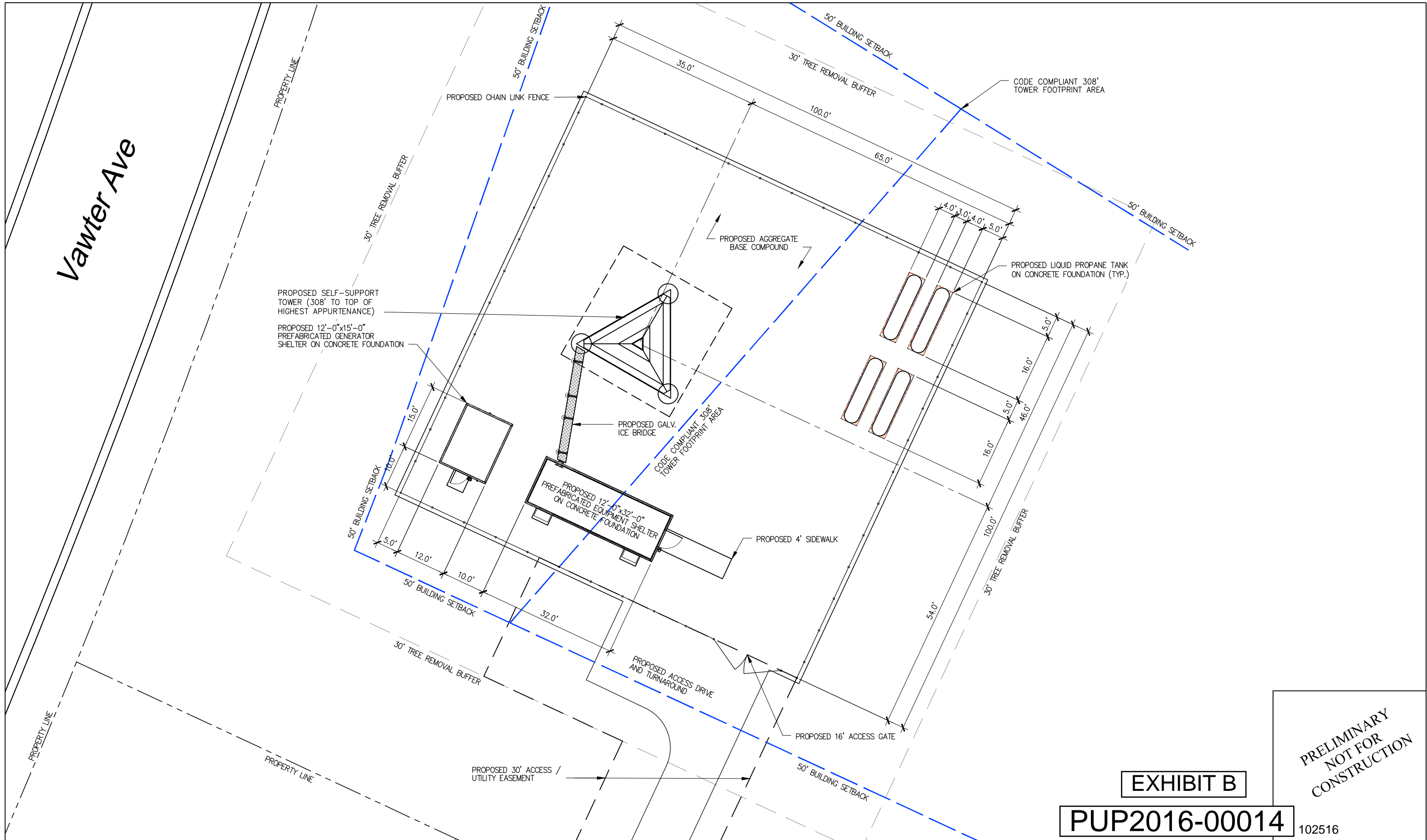
SITE LOCATION PLAN		C-1
VAWTER AVENUE VAWTER AVE RICHMOND, VA 23222		

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

ITS IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



Vawter Ave



PRELIMINARY  
NOT FOR  
CONSTRUCTION

EXHIBIT B

PUP2016-00014

102516

I	10-25-16	ISSUED FOR REVIEW	MLM	MJA	
H	10-20-16	ISSUED FOR REVIEW	MLM	MJA	
G	10-18-16	ISSUED FOR REVIEW	MLM	MJA	
F	09-28-16	ISSUED FOR REVIEW	CAH	MJA	
E	09-19-16	ISSUED FOR REVIEW	MLM	MJA	
NO.	DATE	REVISIONS	BY	CHK	APP'D

  
**MISSION 1**  
COMMUNICATIONS  
6355 Constitution Drive, Suite A  
Fort Wayne, IN 46804

  
**PYRAMID**  
Network Services, LLC

  
**MOTOROLA**  
SOLUTIONS

ENLARGED SITE PLAN

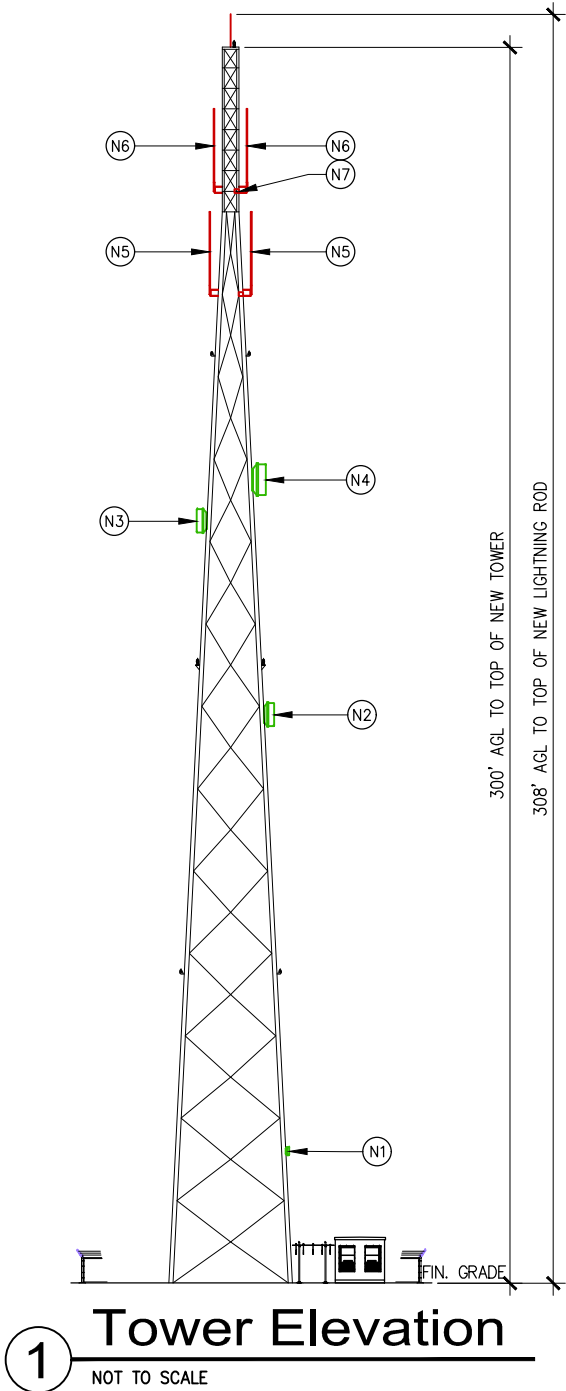
VAWTER AVENUE  
VAWTER AVE  
RICHMOND, VA 23222

C-2

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

ITS IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

<b>Vawter Avenue - 300' TOWER</b> LAT: 37° 35' 37.7" LON: -77° 24' 11.3"										<b>Antenna/Appertunace Location Chart</b>				
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	SC2-W100BC	MW	2.0'	31.0'	32.0'	33.0'		1	COAX	FLEXWELL	E105	1.3"	1
N2	RFS	PAD6-65B	MW	6.0'	135.0'	138.0'	141.0'		1	COAX	FLEXWELL	E60	2"	1
N3	RFS	PAD6-65B	MW	6.0'	182.0'	185.0'	188.0'		1	COAX	FLEXWELL	E60	2"	1
N4	RFS	DA8-59A	MW	8.0'	191.0'	195.0'	199.0'	N/A	1	COAX	FLEXWELL	E60	2"	1
N5	RFS	BMR12-H	TX	20.0'	240.0'	250.0'	260.0'	N/A	5	COAX	COMMSCOPE	AVA7-50	1-5/8"	5
N6	RFS	BMR12-H	RX	20.0'	265.0'	275.0'	285.0'	N/A	4	COAX	COMMSCOPE	AVA5-50	1-1/4"	4
N7	-	-	TTA	N/A	-	265.0'	-	N/A	2	COAX	COMMSCOPE	LDF4-50	1/2"	2



- 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:**

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

EXHIBIT C  
PUP2016-00014 102516

PRELIMINARY  
NOT FOR  
CONSTRUCTION

I	10-25-16	ISSUED FOR REVIEW	MLM	MJA	 <b>MISSION 1</b> COMMUNICATIONS  6355 Constitution Drive, Suite A Fort Wayne, IN 46804				TOWER ELEVATION AND ANTENNA INFORMATION		C-3	THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.
H	10-20-16	ISSUED FOR REVIEW	MLM	MJA					VAWTER AVENUE VAWTER AVE RICHMOND, VA 23222			
G	10-18-16	ISSUED FOR REVIEW	MLM	MJA								
F	09-28-16	ISSUED FOR REVIEW	CAH	MJA								
E	09-19-16	ISSUED FOR REVIEW	MLM	MJA								
NO.	DATE	REVISIONS	BY	CHK	APP'D							ITS IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.