



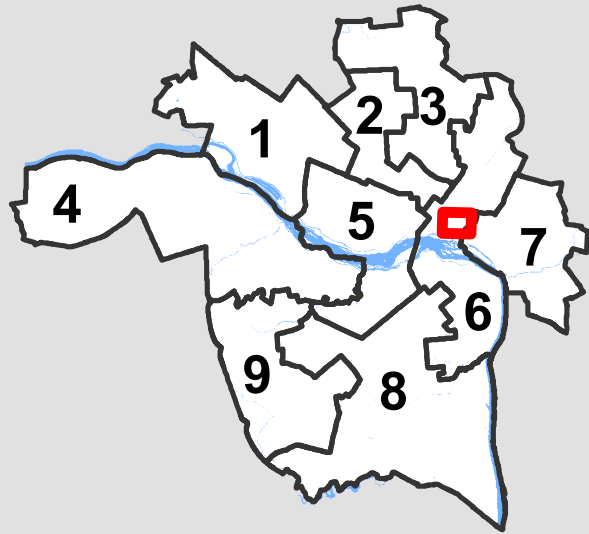
# City of Richmond Department of Planning & Development Review

## Location, Character, and Extent

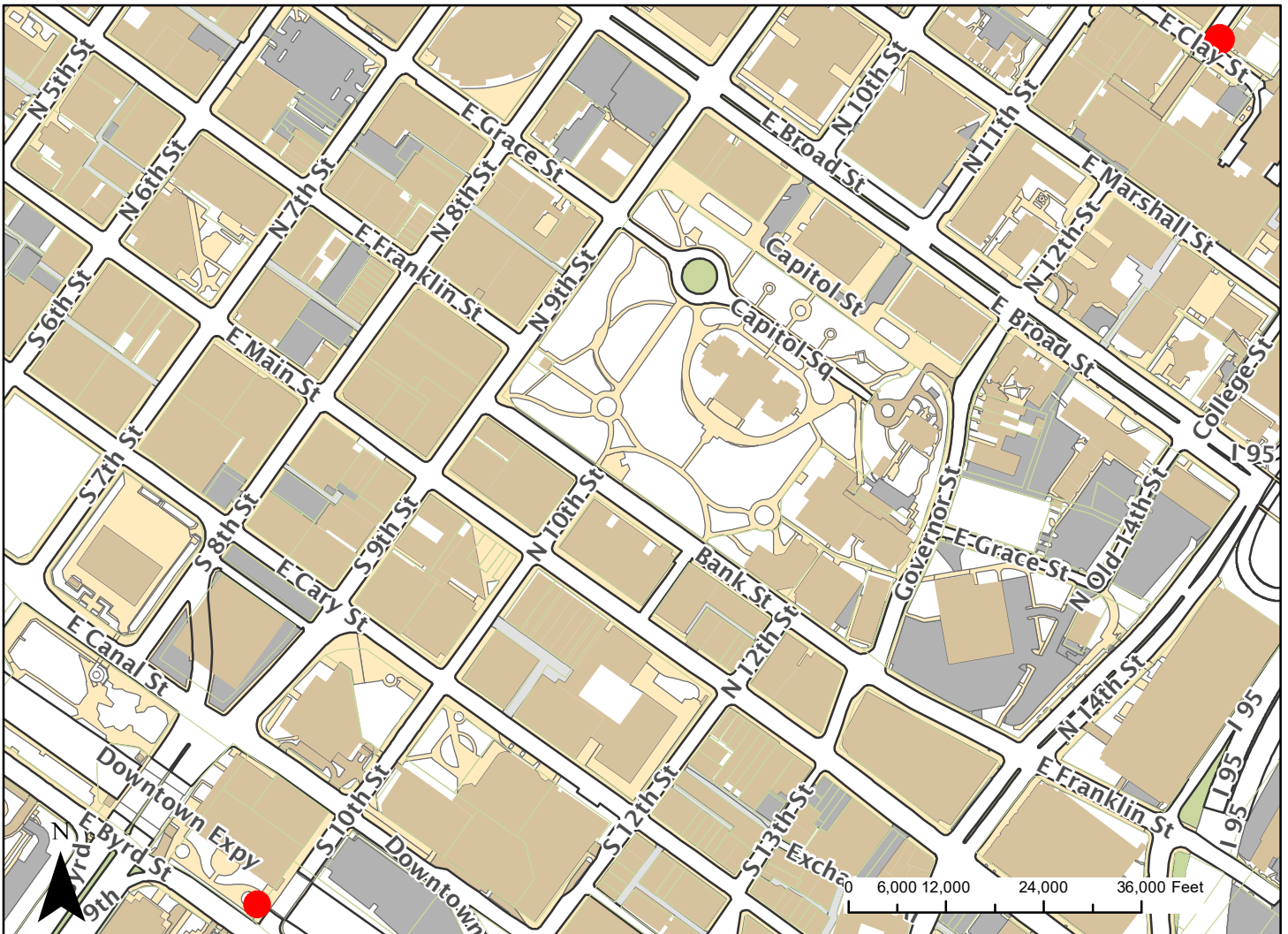
**LOCATIONS:** 910 Byrd St. & 1200 E Clay St.

**COUNCIL DISTRICT:** 3

**PROPOSAL:** Review of encroachments for new 30' metal poles for the attachment of wireless communication antennas and associated equipment within the public right-of-way.



For questions, please contact Josh Son  
at 646-3741 or [joshua.son@richmondgov.com](mailto:joshua.son@richmondgov.com)





## Application for URBAN DESIGN COMMITTEE Review

Department of Planning and Development Review  
Planning & Preservation Division  
900 E. Broad Street, Room 510  
Richmond, Virginia 23219  
(804) 646-6335

<http://www.richmondgov.com/CommitteeUrbanDesign>

### Application Type

- Addition/Alteration to Existing Structure  
 New Construction  
 Streetscape  
 Site Amenity

- Encroachment  
 Master Plan  
 Sign  
 Other

### Review Type

- Conceptual  
 Final

Project Name: \_\_\_\_\_

Project Address: \_\_\_\_\_

Brief Project Description (this is not a replacement for the required detailed narrative) : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Applicant Information

(on all applications other than encroachments, a City agency representative must be the applicant)

Name: \_\_\_\_\_ Email: \_\_\_\_\_

City Agency: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Main Contact (if different from Applicant): \_\_\_\_\_

Company: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

### Submittal Deadlines

All applications and support materials must be filed no later than 21 days prior to the scheduled meeting of the Urban Design Committee (UDC). Please see the schedule on page 3 as actual deadlines are adjusted due to City holidays. **Late or incomplete submissions will be deferred to the next meeting.**

### Filing

Applications can be mailed or delivered to the attention of "Urban Design Committee" at the address listed at the top of this page. **It is important that the applicant discuss the proposal with appropriate City agencies, Zoning Administration staff, and area civic associations and residents prior to filing the application with the UDC.**

### UDC Background

The UDC is a ten member committee created by City Council in 1968 whose purpose is to advise the City Planning Commission on the design of projects on City property or right-of-way. The UDC provides advice of an aesthetic nature in connection with the performance of the duties of the Commission under Sections 17.05, 17.06 and 17.07 of the City Charter. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.



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### Submission Requirements

- 10 copies of the application cover sheet and all support materials (see below), unless the application is for an encroachment, in which case only 6 copies are required. Plan sheets should be 11" x 17", folded to 8 1/2" x 11". If it is not possible to scale plans to these dimensions, please provide one set of larger, scaled plans.
- An electronic copy (PDF preferred) of all application materials, which can be burned to disc, emailed, or delivered by FTP.

All applications must include the attached cover sheet and the following support materials, as applicable to the project:

#### For Conceptual Review

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan which shows the general location and character of plant materials and notes any existing tree to be removed.

#### For Final Review

- A detailed project narrative which includes the following: purpose of the project, project background, project budget and funding sources, description of construction program and estimated construction start date (description should also provide information on the surrounding area to provide context).
- A site plan for the project indicating site characteristics which include: building footprints, parking areas, pedestrian routes, recreation areas, open areas and areas of future expansion.
- A set of floor plans and elevations, as detailed as possible.
- A landscaping plan that includes a complete plant schedule, the precise location of all plant materials, and a landscape maintenance analysis. The plant schedule must show number, size and type of each planting proposed. If existing trees are to be removed, their size, type and location must be noted on the landscape plan.
- The location of all lighting units should be noted on a site plan, including wall-mounted, site and parking lot lighting. Other site details, such as benches, trash containers and special paving materials, should also be located. Include specification sheets for each item.
- Samples of all proposed exterior building materials, including but not limited to brick, mortar, shingles, siding, glass, paint and stain colors. When an actual sample cannot be provided, a product information sheet that shows the item or a photo of an existing item may be substituted.

### Review and Processing

Once an application is received, it is reviewed by staff, who compiles a report that is sent to the UDC. A copy of the report and the meeting agenda will be sent to the applicant prior to the meeting. The applicant or a representative should be present at the UDC meeting or the application may be deferred to the next regularly scheduled meeting. It is also strongly suggested that a representative of the City Agency which will have final responsibility for the item be present at the meeting (if the applicant and the representative are not the same). Once the UDC recommends action on the application, it is automatically placed on the agenda for the next City Planning Commission (CPC) meeting. An exception to this is encroachment applications, recommendations for which are forwarded to the Department of Public Works. The applicant or a representative must be present at the CPC meeting or the application may be deferred to the next regularly scheduled meeting.

# CITY OF RICHMOND URBAN DESIGN COMMITTEE (UDC)

## MEETING SCHEDULE 2017

UDC Meetings	UDC Submission Deadlines	Anticipated Date of Planning Commission Following the UDC Meeting
<b>December 8, 2016</b>	November 12, 2015*	January 3, 2017
<b>January 5, 2017</b>	December 8, 2016**	January 17, 2017 <sup>1</sup>
<b>February 9, 2017</b>	January 19, 2017	February 21, 2017 <sup>2</sup>
<b>March 9, 2017</b>	February 16, 2017	March 20, 2017
<b>April 6, 2017</b>	March 16, 2017	April 17, 2017
<b>May 4, 2017</b>	April 13, 2017	May 15, 2017
<b>June 8, 2017</b>	May 18, 2017	June 19, 2017
<b>July 6, 2017</b>	June 15, 2017	July 17, 2017
<b>August 10, 2017</b>	July 20, 2017	August 21, 2017 <sup>3</sup>
<b>September 7, 2017</b>	August 17, 2017	September 18, 2017
<b>October 5, 2017</b>	September 14, 2017	October 16, 2017
<b>November 9, 2017</b>	October 19, 2017	November 20, 2017
<b>December 7, 2017</b>	November 9, 2017*	December 18, 2017 <sup>4</sup>

<sup>1</sup> Monday, January 16<sup>th</sup> is a City of Richmond Holiday

<sup>2</sup> Monday, February 20<sup>th</sup> is a City of Richmond Holiday

<sup>3</sup> This August CPC Meeting may be canceled. If so, Planning Commission hearing would be Tuesday, September 5<sup>th</sup>.

<sup>4</sup> This December CPC Meeting may be canceled. If so, Planning Commission hearing would be Tuesday, January 2, 2018.

\* Moved forward to account for Veteran's Day/Thanksgiving Holiday Schedule

\*\* Moved forward to account for Winter Holiday Schedule

The Richmond Urban Design Committee (UDC) is a ten member advisory committee created by City Council in 1968. Its purpose is to advise the City Planning Commission on the design of City projects. The UDC reviews projects for appropriateness in "location, character and extent" and for consistency with the City's Master Plan and forwards recommendations to the Planning Commission. The UDC also advises the Department of Public Works in regards to private encroachments in the public right-of-way.

Regular meetings are scheduled for the Thursday after the first Monday of each month at 10:00 a.m. in the 5<sup>th</sup> floor conference room of City Hall. Special meetings are scheduled as needed.

**For additional information, please contact the Planning and Preservation Division staff at (804) 646-3741 or [Joshua.Son@richmondgov.com](mailto:Joshua.Son@richmondgov.com)**

## Project Narrative

**Applicant:** New Cingular Wireless PCS LLC (AT&T Mobility)

**Site Name:** Richmond Downtown Node 17

**Property Address:** 1200 E. Clay St (in ROW)

**District:** 6

### DESCRIPTION OF THE PROPOSED USE

AT&T Mobility proposes to establish a new Small Cell telecommunications facility attached to a new 30' tall metal pole installed by the applicant within the Right-of-Way of 12<sup>th</sup> St., approximately 45' north of the intersection with E. Clay St. Small Cell antennas are used to "densify" the carrier's network in high use areas providing additional phone and data coverage where needed. A single Omni-Directional Antenna contained within a painted canister will be mounted to the top of the pole. Two small cMRO radios will be housed within the cabinet base of the pole. There will be no overhead wires or cables.

The proposed location is adjacent to the VCU Health building, along a sidewalk with existing light poles. The proposed pole is designed to be similar in design, color and scope as the existing black metal light poles in the area. There are currently other utility poles and street light poles in the area that do not match the black metal.

If approved, AT&T Mobility will enter into an encroachment agreement with the City of Richmond, to install and operate the communications facility and pole.

### ANTICIPATED IMPACTS / MITIGATION

The proposed telecommunication facility will be a passive use and not have any on-site employees or personnel and will have no impact on existing traffic volume or parking. It will operate 24 hours per day, 365 days per year, be unmanned and will have four or fewer maintenance visits per year by AT&T's operations technicians. The proposed site will not interfere with telephone, radio or television reception and the radio frequency emissions will be in full compliance with all applicable EPA and FCC emission requirements. In addition, the site will not generate any noise, odors, light, dust, vibrations or glare.

This siting proposal will minimize any adverse visual impact on the surrounding property by being located on a decorative pole similar in color, height and design to the existing poles in the area. The antenna enclosure is of the smallest possible design, low profile in design and will be painted to match the pole.

### ALTERNATIVE SITES CONSIDERED FOR THE PROPOSAL

In our initial evaluation of the area in need of service, we encountered several street light poles along Byrd Street. These structures are owned by the City of Richmond and the Right-of Way office has

indicated they are not open to allowing installation of antennas on city-owned structures (including streetlights and traffic signal posts).

With the use of city structures denied, we analyzed the best location for maximum coverage and available space and determined this location as the best option

Included in the request are photos of the site, elevations of the proposed plan, site plan and equipment specifications.

We request approval from the Urban Design Committee for this request and look forward to working with the City of Richmond on the installation of the Small Cell antenna deployment.



## Project Narrative

**Applicant:** New Cingular Wireless PCS LLC (AT&T Mobility)

**Site Name:** Richmond Downtown Node 26

**Property Address:** 910 Byrd Street (in ROW)

**District:** 6

### DESCRIPTION OF THE PROPOSED USE

AT&T Mobility proposes to establish a new Small Cell telecommunications facility attached to a new 30' tall metal pole installed by the applicant within the Right-of-Way of E. Byrd St., approximately 41' west of the intersection with 10<sup>th</sup> St. Small Cell antennas are used to "densify" the carrier's network in high use areas providing additional phone and data coverage where needed. A single Omni-Directional Antenna contained within a painted canister will be mounted to the top of the pole. Two small cMRO radios will be housed within the cabinet base of the pole. There will be no overhead wires or cables.

The proposed location is adjacent to the RMA parking deck, along a sidewalk with existing light poles. The proposed pole is designed to be similar in design, color and scope as the existing black metal light poles in the area. There are currently other utility poles and street light poles in the area that do not match the black metal.

If approved, AT&T Mobility will enter into an encroachment agreement with the City of Richmond, to install and operate the communications facility and pole.

### ANTICIPATED IMPACTS / MITIGATION

The proposed telecommunication facility will be a passive use and not have any on-site employees or personnel and will have no impact on existing traffic volume or parking. It will operate 24 hours per day, 365 days per year, be unmanned and will have four or fewer maintenance visits per year by AT&T's operations technicians. The proposed site will not interfere with telephone, radio or television reception and the radio frequency emissions will be in full compliance with all applicable EPA and FCC emission requirements. In addition, the site will not generate any noise, odors, light, dust, vibrations or glare.

This siting proposal will minimize any adverse visual impact on the surrounding property by being located on a decorative pole similar in color, height and design to the existing poles in the area. The antenna enclosure is of the smallest possible design, low profile in design and will be painted to match the pole.

### ALTERNATIVE SITES CONSIDERED FOR THE PROPOSAL

In our initial evaluation of the area in need of service, we encountered several street light poles along Byrd Street. These structures are owned by the City of Richmond and the Right-of Way office has

indicated they are not open to allowing installation of antennas on city-owned structures (including streetlights and traffic signal posts).

With the use of city structures denied, we analyzed the best location for maximum coverage and available space and determined this location as the best option

Included in the request are photos of the site, elevations of the proposed plan, site plan and equipment specifications.

We request approval from the Urban Design Committee for this request and look forward to working with the City of Richmond on the installation of the Small Cell antenna deployment.





NODE NAME: CRAN\_RVWN\_RIFZ2\_017  
 FA: 14263910 USID: 196417  
 JURISDICTION: CITY OF RICHMOND



**GENERAL NOTES**

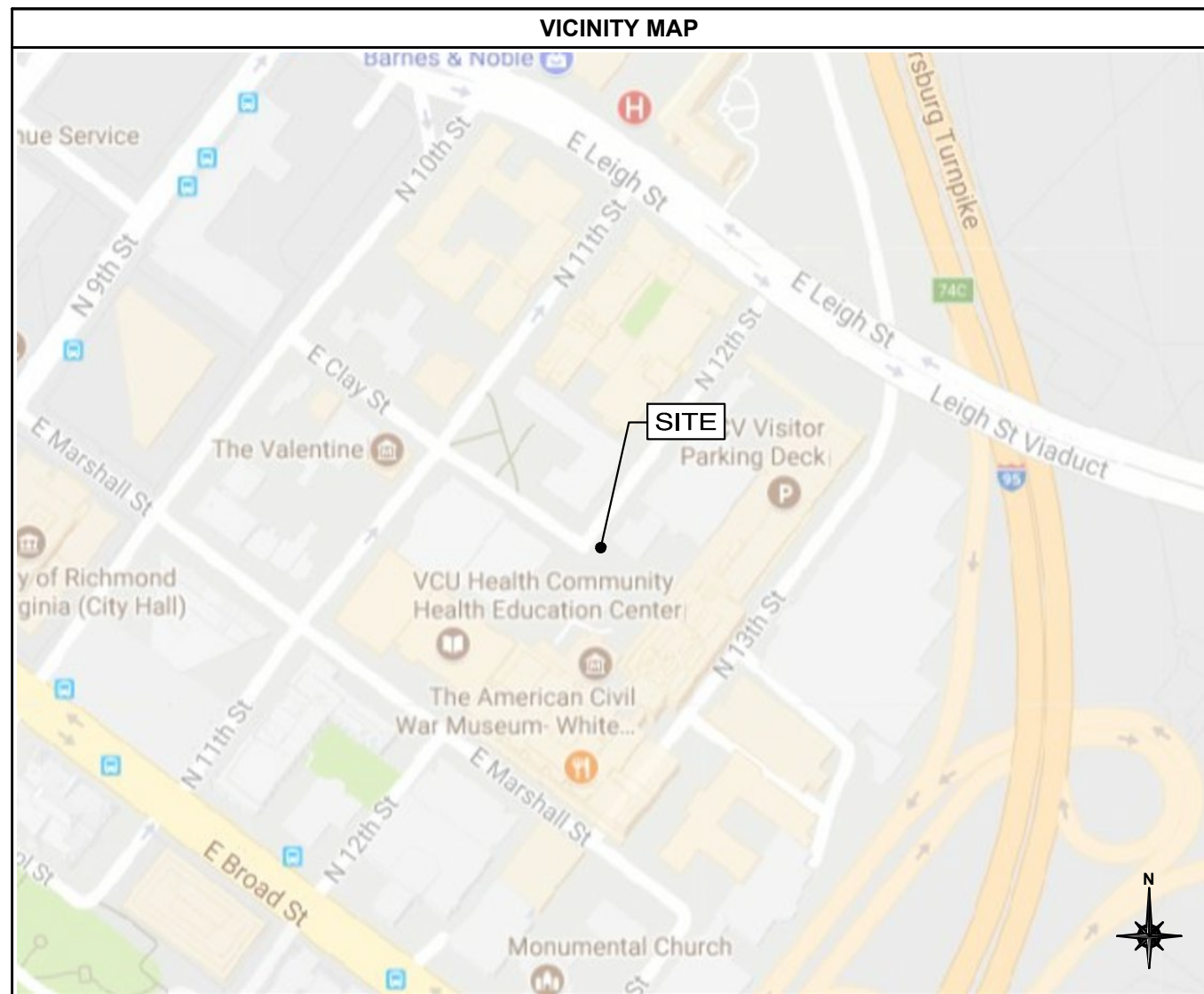
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE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

**SITE INFORMATION**

APPLICANT: AT&T  
 APPLICANT ADDRESS: 4801 COX ROAD, GLEN ALLEN, VA 23060  
 AT&T PROJECT MANAGER: TARA BREWER  
 SITE ADDRESS: 1200 E. CLAY ST, RICHMOND, VA 23298  
 PROPERTY OWNER: CITY OF RICHMOND  
 PROPERTY OWNER ADDRESS: 900 E. BROAD ST, RICHMOND, VA 23219  
 STRUCTURE TYPE: NEW STEEL CONCEALMENT POLE  
 JURISDICTION: CITY OF RICHMOND  
 LATITUDE: N 37.541026  
 LONGITUDE: W -77.429508  
 LAT/LONG DATUM: NAD 83  
 GROUND ELEVATION: ±143' AMSL  
 POWER: DOMINION VIRGINIA POWER  
 TELCO: LUMOS

**IMPORTANT NOTICE**

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. REPORT AND CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.



**DRIVING DIRECTIONS**

DIRECTION FROM 4801 COX ROAD, GLEN ALLEN, VA 23060.  
 HEAD SOUTHWEST ON COX RD TOWARD N PARK DR. TURN RIGHT ONTO NUCKOLS RD. USE THE RIGHT LANE TO MERGE ONTO I-295N VIA THE RAMP TO I-64W/CHARLOTTESVILLE. MERGE ONTO I-295N. USE THE LEFT 2 LANES TO EXIT 53B TO MERGE ONTO I-64E TOWARD US-250 RICHMOND. KEEP LEFT TO CONTINUE ON I-64, FOLLOW SIGNS FOR INTERSTATE 64E/INTERSTATE I-95S/NORFOLK/PETERSBURG. USE THE RIGHT LANE TO KEEP RIGHT AT THE FORK, STAY ON I-64 AND FOLLOW SIGNS FOR WILLIAMSBURG/NORFOLK. TAKE THE 3RD EXIT TOWARD COLISEUM/DOWNTOWN. CONTINUE ONTO N 3RD ST. TURN LEFT ONTO E LEIGH ST. TURN RIGHT ONTO N 12TH ST TO THE SITE.

**DIG ALERT 1-800-552-7001**

**811** Know what's below. Call before you dig.  
 48 HOURS BEFORE YOU DIG

**SCOPE OF WORK**

INSTALLATION OF A WIRELESS COMMUNICATIONS ANTENNA AND ASSOCIATED SUPPORT EQUIPMENT ON A PROPOSED STEEL CONCEALMENT POLE.

**CODES**

2012 VIRGINIA STATE UNIFORM BUILDING CODE  
 2012 INTERNATIONAL BUILDING CODE  
 2011 NATIONAL ELECTRICAL CODE  
 STRUCTURAL STANDARD FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES TO TIA-222-G  
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION FOR THE LOCATION. THE EDITION OF THE ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN  
 AT&T STANDARDS: ATT-TP 76300, ATT-TP 76416 & UPDATES AS REQUIRED  
 FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DRAWING INDEX	
SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
C-1	SITE PLAN
C-2	POLE ELEVATIONS
C-3	APPURTENANCE DETAILS
C-4	CONNECTION DETAILS
C-5	ELECTRICAL DETAILS
C-6	LABELING
GN-1	GENERAL NOTES
GN-2	GENERAL NOTES
GN-3	GENERAL NOTES

**ARCHITECT/ENGINEER**

JACOBS ENGINEERING GROUP, INC.  
 7150 STANDARD DRIVE, SUITE B  
 HANOVER, MD 21076  
 CONTACT: LEAH WOOLLY  
 PROJECT MANAGER  
 TEL: (443) 230-4400 X113

PROJECT NO: EP3TURVS  
 DRAWN BY: X. XXXXXX  
 CHECKED BY: L. WOOLLY

REV	DATE	DESCRIPTION
B	11.09.17	UPDATED AS PER REDLINES
A	01.XX.17	FOR REVIEW

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

CRAN\_RVWN\_RIFZ2\_017 B  
 RICHMOND, VA 23298  
 LIGHT POLE  
 NODE ID: NODE 17

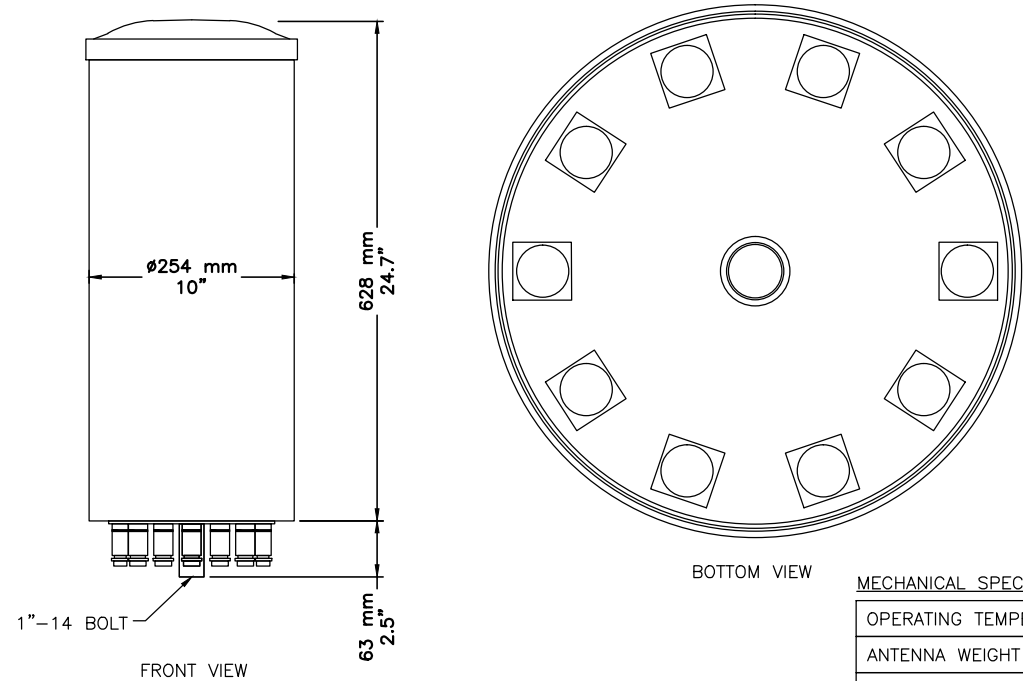
SHEET TITLE  
 TITLE SHEET

SHEET NUMBER  
 T-1



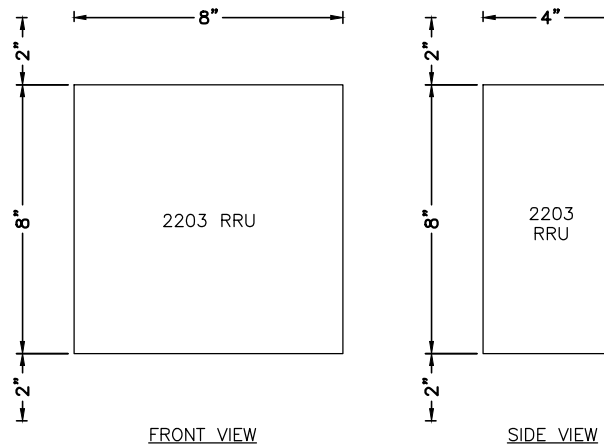






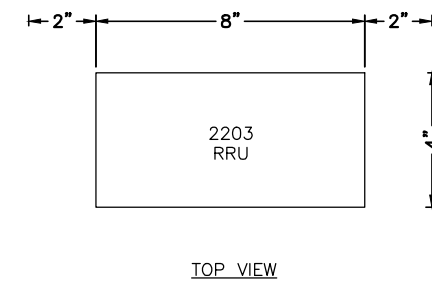
**MECHANICAL SPECIFICATIONS**

OPERATING TEMPERATURE	-40° TO 158°F
ANTENNA WEIGHT	24.2 LBS (11 KG)
ANTENNA DIAMETER	10" (256 MM)
ANTENNA HEIGHT	24" (610 MM)
RADOME MATERIAL	FIBERGLASS
ROHS	COMPLIANT
RADOME COLOR	LIGHT GRAY
INGRESS PROTECTION	OUTDOOR (IP65)
WIND SURVIVAL RATING	150mph (241km/h)



**DIMENSIONS**

H x W x D	7.87" x 7.87" x 3.94"
WEIGHT	11 LBS.
RF	4.3-10 FEMALE
POWER CONSUMPTION	97 WATTS MAX.
MINIMUM AC FUSE RATING	6 AMP
MAXIMUM HEAT DISSIPATION	90 WATTS



PROJECT NO: EP3TUR  
 DRAWN BY: X. XXX  
 CHECKED BY: L. WOOD

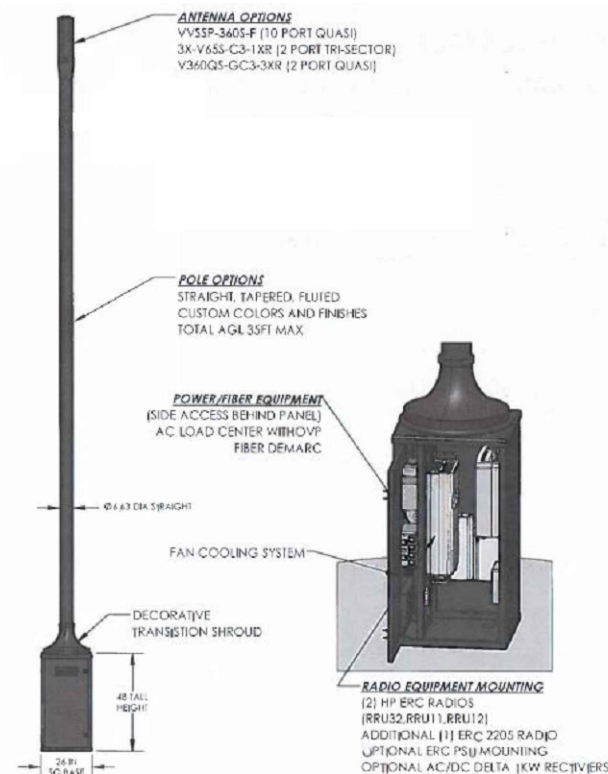
B 11.09.17 UPDATED AS PER REDLINES  
 A 01.XX.17 FOR REVIEW

**1 ACOM-2F10D-10P ANTENNA DETAIL**

SCALE: NOT TO SCALE

**2 2203 RRH DETAIL**

SCALE: NOT TO SCALE



**OPTINID 500 OPTICAL**

**FEATURES:**

- WEATHER-RESISTANT THERMOPLASTIC ALLOY
- SELF-LATCHING, HINGED COVER DESIGN
- CAPACITY FOR ONE 118 LGX COMPATIBLE ADAPTER PLATE
- PROVIDER OVERRIDE FOR CUSTOMER LOCK
- 3/4" NPT CONDUIT FITTING, COMPRESSION CABLE FITTINGS
- OR GROMMETED ENTRY PORTS

**SPECIFICATIONS:**

DIELECTRIC STRENGTH	MINIMUM 2500 VRMS FOR 1 MINUTE
HIGH TEMPERATURE STORAGE °F(°C)	14 DAYS AT 159 (70.55)
TEMPERATURE CYCLING °F(°C)	150 DAY CYCLING FROM 40-140
IMPACT TEST °F(°C)	-40 (-40), 5 FT/LBS
DROP TEST °F(°C)	-40 (-40), 5 FT ONTO CONCRETE
RAIN	24 HOURS AT 10 PSI
UV RESISTANCE	60 PER ASTM-G26-84
SALT FOG	60 PER ASTM-BLL7-90
FLAMMABILITY	UL94-5V
MATERIAL	UL LISTED FLAME RETARDANT
DIMENSIONS (H x W x D) IN. (CM)	6.3x7.8x2.0 (17.5 x 19.7 x 5.0)
CABLE ENTRANCE IN.(CM) DIA.INPUT COVERS	1 x 3/4" NPT (1.130") STANDARD, MOLDED-IN SNAP FINGER



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CRAN\_RVWN\_RIFZ2\_017 B  
 RICHMOND, VA 23298  
 LIGHT POLE  
 NODE ID: NODE 17

SHEET TITLE  
**APPURTENANCE DETAIL**

SHEET NUMBER  
**C-3**

**3 CONCEALMENT POLE - COMMSCOPE SSC-760237427**

SCALE: NOT TO SCALE

**4 OPTINID 500 OPTICAL DEMARCATIION CLOSURE DETAIL**

SCALE: NOT TO SCALE





















NODE NAME: CRAN\_RVWN\_RIFZ2\_026  
 FA: 14263910 USID: 188925  
 JURISDICTION: CITY OF RICHMOND



**GENERAL NOTES**

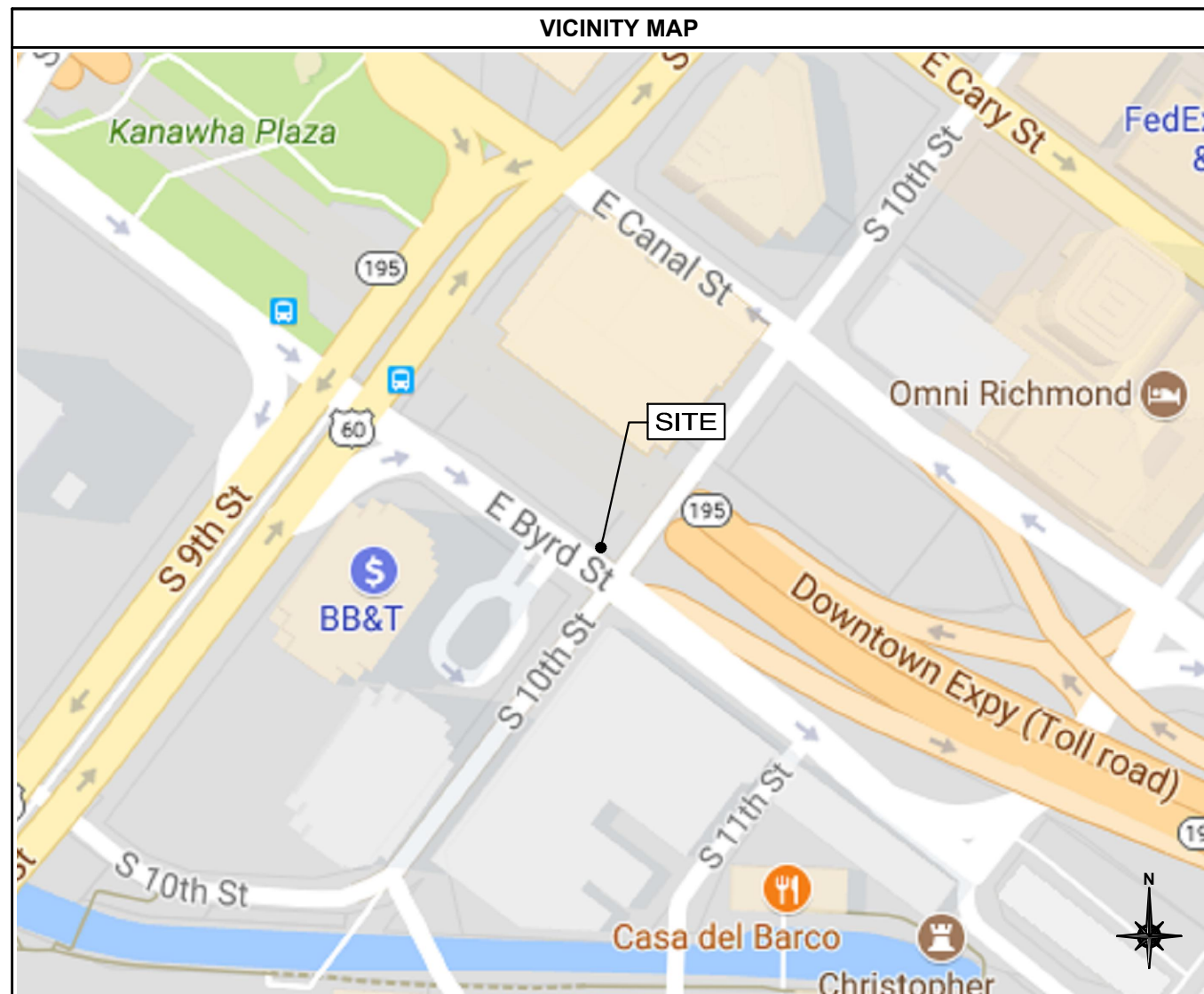
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**DIG ALERT 1-800-552-7001**

48 HOURS BEFORE YOU DIG

**SCOPE OF WORK**

INSTALLATION OF A WIRELESS COMMUNICATIONS ANTENNA AND ASSOCIATED SUPPORT EQUIPMENT ON A PROPOSED STEEL CONCEALMENT POLE.

**CODES**

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**ARCHITECT/ENGINEER**

JACOBS ENGINEERING GROUP, INC.  
 7150 STANDARD DRIVE, SUITE B  
 HANOVER, MD 21076  
 CONTACT: LEAH WOOLLY  
 PROJECT MANAGER  
 TEL: (443) 230-4400 X113

PROJECT NO: EP3TURVS  
 DRAWN BY: X.XXXXXX  
 CHECKED BY: L. WOOLLY

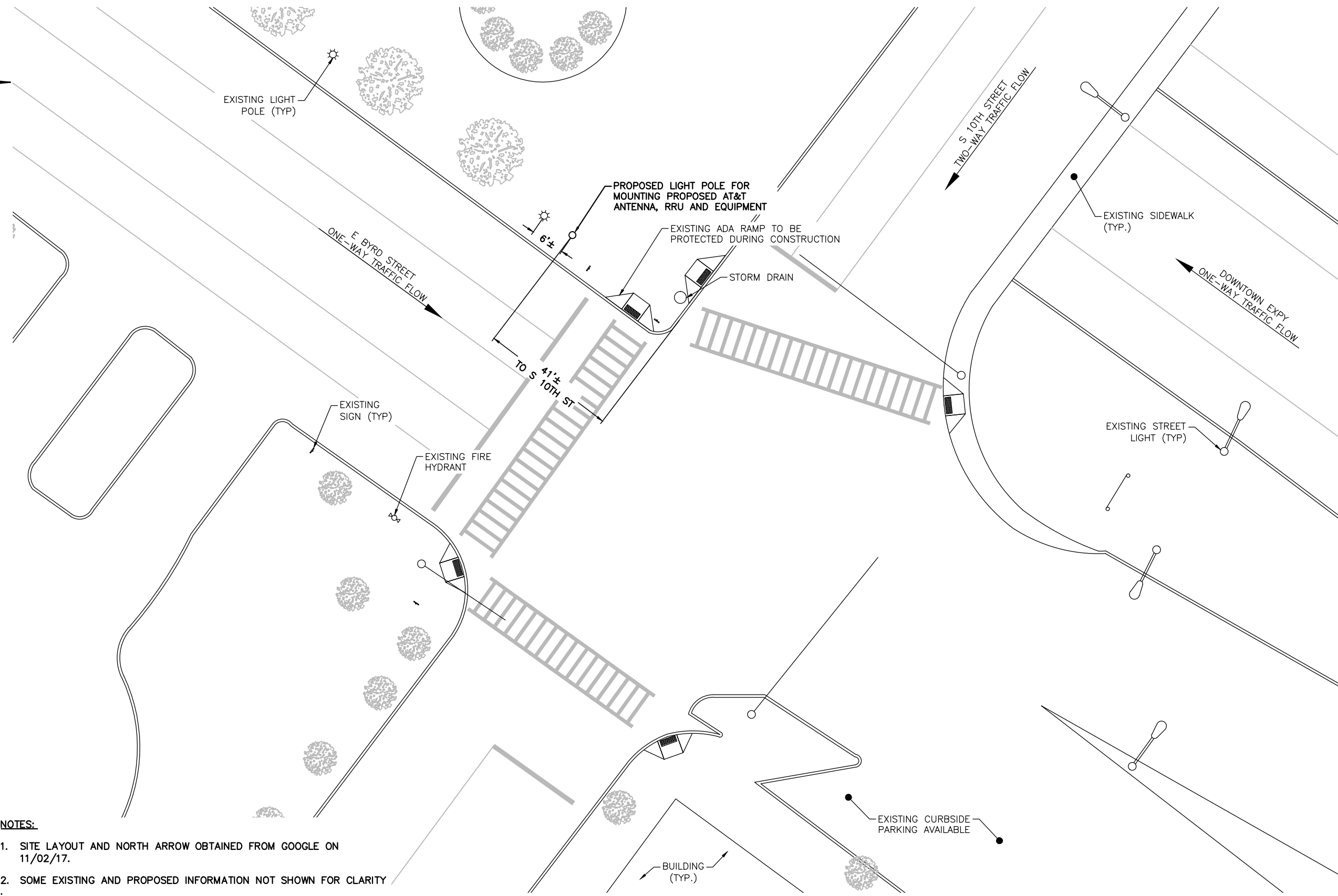
REV	DATE	REVISION
B	11.09.17	REVISION
A	01.XX.17	FOR REVIEW

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

CRAN\_RVWN\_RIFZ2\_026 C  
 RICHMOND, VA 23219  
 LIGHT POLE  
 NODE ID: NODE 26

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T-1**



**NOTES:**

1. SITE LAYOUT AND NORTH ARROW OBTAINED FROM GOOGLE ON 11/02/17.
2. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY
3. ALL POWER SOURCE TO BE PROVIDED BY DOMINION VIRGINIA POWER AND FIBER SOURCE TO BE PROVIDED BY LUMOS.
4. ALL PROPOSED EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH ATT-TP 76416.



7150 STANDARD DRIVE  
HANOVER, MD 21078



JACOBS Engineering Group, Inc.  
7150 STANDARD DRIVE, SUITE B  
HANOVER, MD 21078

PROJECT NO:	EP3TURVS
DRAWN BY:	X. XXXXXX
CHECKED BY:	L. WOODLY

REV	DATE	DESCRIPTION
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**SITE PLAN**

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**C-1**

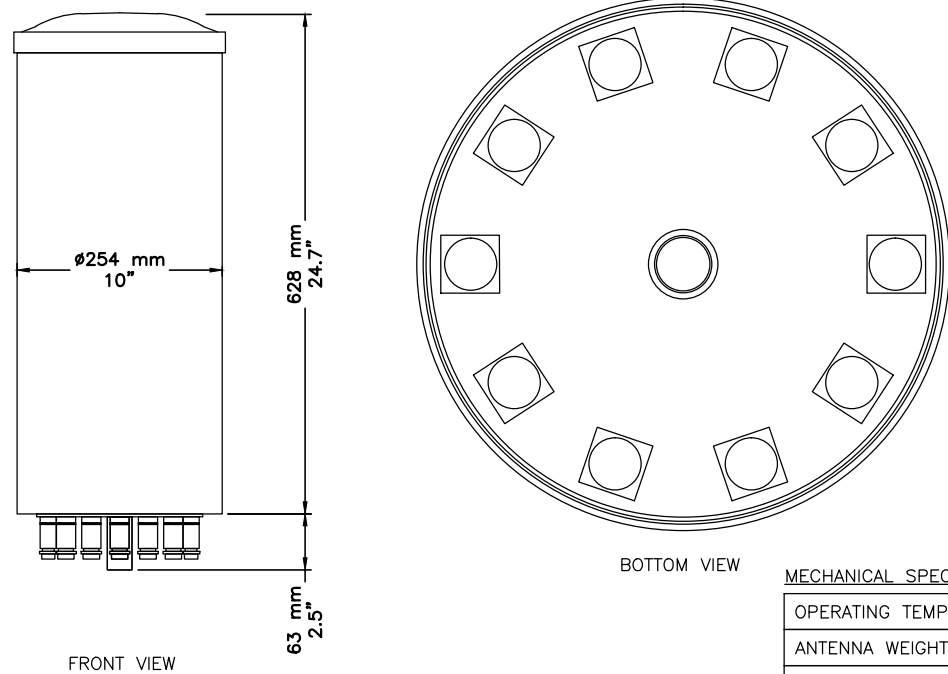
**1**

**SITE PLAN**

SCALE: 1"=20'-0" (1"=10'-0" ON 22"x34" SHEET)

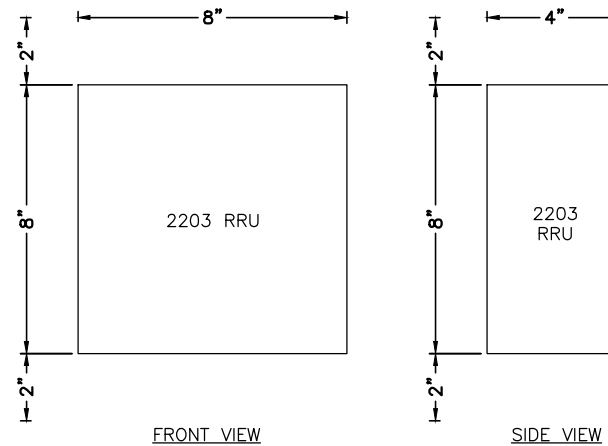






**MECHANICAL SPECIFICATIONS**

OPERATING TEMPERATURE	-40° TO 158°F
ANTENNA WEIGHT	24.2 LBS (11 KG)
ANTENNA DIAMETER	10" (256 MM)
ANTENNA HEIGHT	24" (610 MM)
RADOME MATERIAL	FIBERGLASS
ROHS	COMPLIANT
RADOME COLOR	LIGHT GRAY
INGRESS PROTECTION	OUTDOOR (IP65)
WIND SURVIVAL RATING	150mph (241km/h)



**DIMENSIONS**

H x W x D	7.87" x 7.87" x 3.94"
WEIGHT	11 LBS.
RF	4.3-10 FEMALE
POWER CONSUMPTION	97 WATTS MAX.
MINIMUM AC FUSE RATING	6 AMP
MAXIMUM HEAT DISSIPATION	90 WATTS

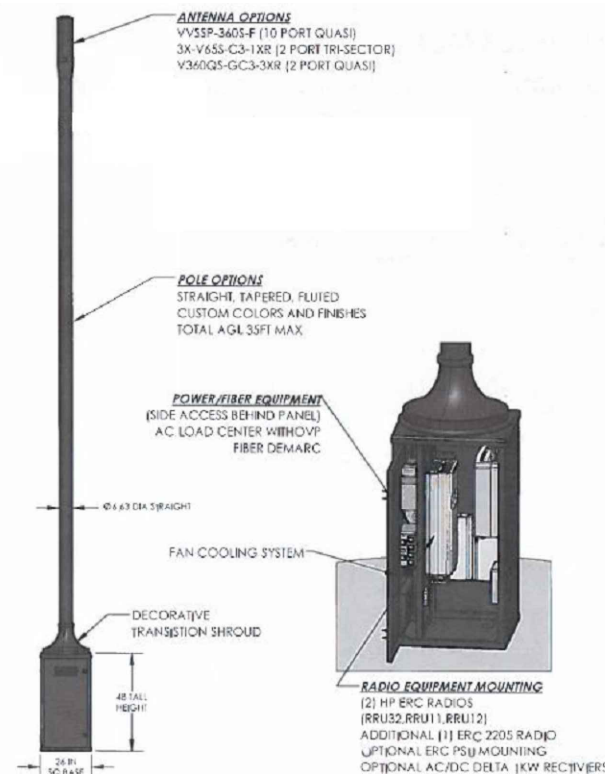


**1 ACOM-2F10D-10P ANTENNA DETAIL**

SCALE: NOT TO SCALE

**2 2203 RRH DETAIL**

SCALE: NOT TO SCALE



**OPTINID 500 OPTICAL**

**FEATURES:**

- WEATHER-RESISTANT THERMOPLASTIC ALLOY
- SELF-LATCHING, HINGED COVER DESIGN
- CAPACITY FOR ONE 118 LGX COMPATIBLE ADAPTER PLATE
- PROVIDER OVERRIDE FOR CUSTOMER LOCK
- 3/4" NPT CONDUIT FITTING, COMPRESSION CABLE FITTINGS
- OR GROMMETED ENTRY PORTS

**SPECIFICATIONS:**

DIELECTRIC STRENGTH	MINIMUM 2500 VRMS FOR 1 MINUTE
HIGH TEMPERATURE STORAGE °F(°C)	14 DAYS AT 159 (70.55)
TEMPERATURE CYCLING °F(°C)	150 DAY CYCLING FROM 40-140
IMPACT TEST °F(°C)	-40 (-40), 5 FT/LBS
DROP TEST °F(°C)	-40 (-40), 5 FT ONTO CONCRETE
RAIN	24 HOURS AT 10 PSI
UV RESISTANCE	60 PER ASTM-G26-84
SALT FOG	60 PER ASTM-BLL7-90
FLAMMABILITY	UL94-5V
MATERIAL	UL LISTED FLAME RETARDANT
DIMENSIONS (H x W x D) IN. (CM)	6.3x7.8x2.0 (17.5 x 19.7 x 5.0)
CABLE ENTRANCE IN.(CM) DIA.INPUT COVERS	1 x 3/4" NPT (1.130") STANDARD, MOLDED-IN SNAP FINGER



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SHEET TITLE  
**APPURTENANCE DETAIL**

SHEET NUMBER  
**C-3**

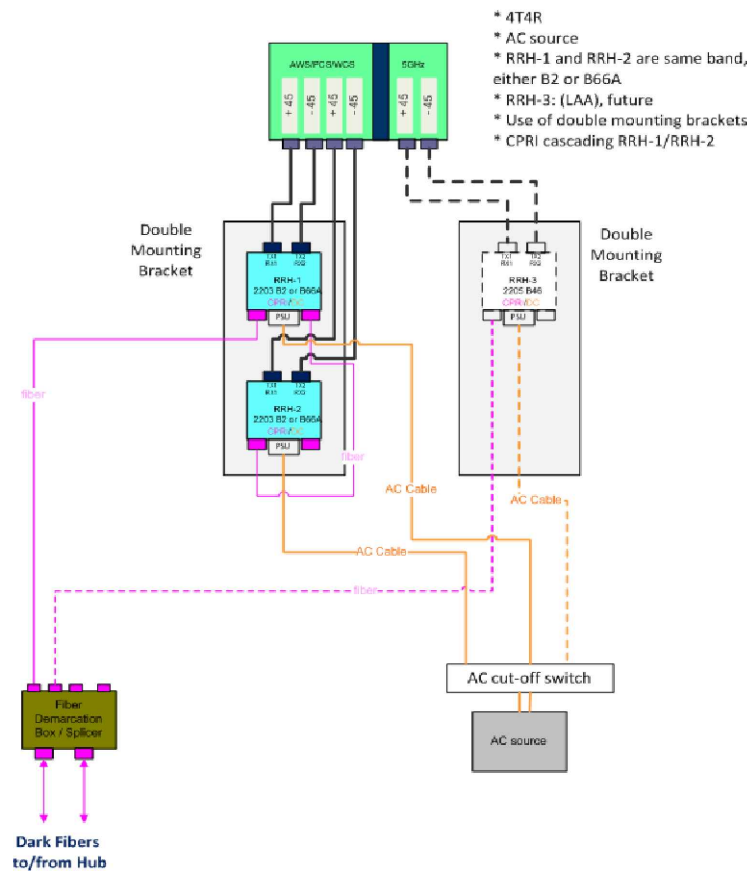
**3 CONCEALMENT POLE - COMMSCOPE SSC-760237427**

SCALE: NOT TO SCALE

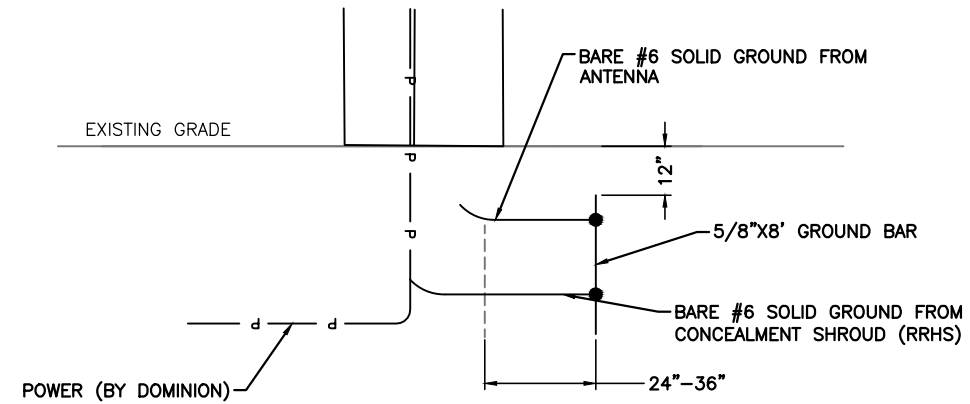
**4 OPTINID 500 OPTICAL DEMARCATIION CLOSURE DETAIL**

SCALE: NOT TO SCALE





PRELIMINARY

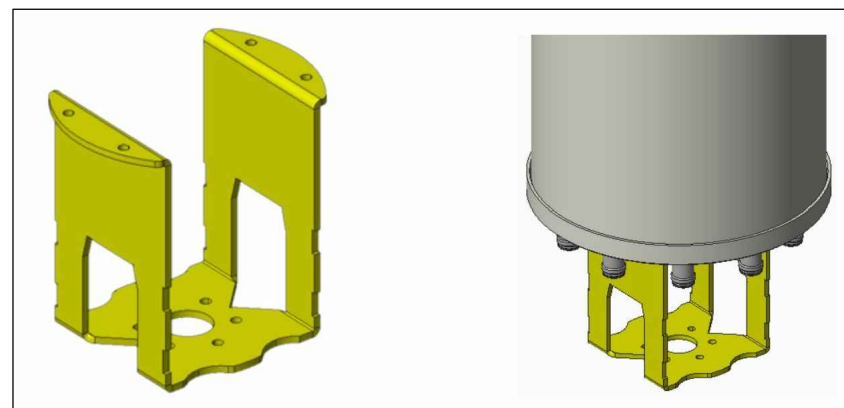


**1 DIAGRAM**

SCALE: NOT TO SCALE

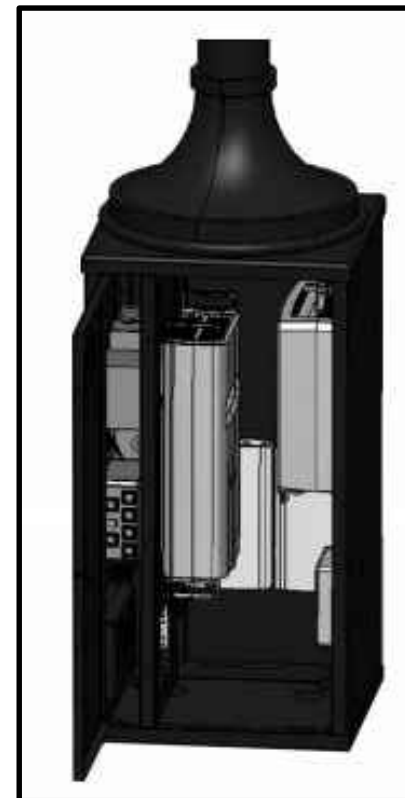
**2 GROUNDING CONFIGURATION**

SCALE: NOT TO SCALE



**3 ANTENNA MOUNTING DETAIL WITHIN CONCEALMENT**

SCALE: NOT TO SCALE



BOTTOM OF POLE CONCEALMENT ENCLOSURE FOR UP TO (2) ERICSSON HP METRO CELL RADIOS

- INTEGRATED CABINET AND POLE FOR HOLDING TWO NOKIA HIGH POWER RADIOS WITH ROOM FOR THIRD AIRSCALE MICRO LAA RADIO
- INTEGRATED AC LOAD CENTER/OVP, AC/DC RECTIFIER AND FIBER DEMARCATION
- PE STAMPED CALCULATIONS AND FOUNDATION DESIGN INCLUDED
- ORDERABLE TO MOUNT MULTI-BAND AND MULT-PORT ANTENNAS FROM MULTIPLE ANTENNA VENDORS

**4 BASE ENCLOSURE**

SCALE: NOT TO SCALE



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SHEET TITLE  
**ELECTRICAL DETAILS**

SHEET NUMBER  
**C-4**









