

1. HDC Agenda 2020-10-07

Documents:

[HDC AGENDA 2020-10-07.PDF](#)

2. HDC Meeting Summary 08 05 2020

Documents:

[HDC MEETING SUMMARY 08 05 2020.PDF](#)

3. Item A Section 106 Review For T-Mobile October 2020

Documents:

[ITEM A SECTION 106 REVIEW FOR T-MOBILE OCTOBER 2020.PDF](#)



**CITY OF WESTMINSTER
HISTORIC DISTRICT COMMISSION
AGENDA**

**Wednesday, October 7, 2020, at 7 PM
Virtual Meeting
www.facebook.com/WestminsterMD
www.WestminsterMD.gov**

I. Call to Order

Statement of Authority — The Westminster Historic District Commission derives its authority from Chapter 164, Article 9A of the City Code, which is authorized by Maryland Code Annotated, Land Use Article, Division 1, Single Jurisdiction Planning and Zoning, Title 8, Historic Preservation. The qualifications of the Westminster Historic District Commission are on file at the City Administration Building, 56 West Main Street; the file is open to the public – Chair

II. Approval of Minutes

August 5, 2020

III. Old Business

None

IV. New Business

Item A Section 106 Filing for T-Mobile Located at the City owned water tower at McDaniel College

V. Historic District Commission and Public Comments

VI. Adjournment



CITY OF WESTMINSTER HISTORIC DISTRICT COMMISSION MEETING SUMMARY

Wednesday, August 5, 2020, at 7:00 PM

Virtual meeting via Zoom and broadcasted live on the City Facebook page

A meeting of the City of Westminster Historic District Commission was held virtually via Zoom and broadcasted live on the City Facebook page on August 5, 2020, at 7:00 PM.

Call to Order

Chair McMasters read the statement of authority into the record.

Chair Kristen McMasters, Commissioner Aaron Burroughs, Commissioner Steve Colella, and Commissioner Kevin Wagman were present. City staff Sandy Anderson, Mark Depo, Andrea Gerhard, and Samantha Schlitzer were also present.

Approval of Minutes

Commissioner Wagman moved to approve the revised meeting summary for July 1, 2020. Commissioner Burroughs seconded the motion. The motion passed unanimously.

New Business

Chair McMasters opened New Business Item A – Section 106 filing for AT&T located at the City-owned water tower at McDaniel College. Chair McMasters explained the responsibilities of the Commission in reviewing Section 106 filings on behalf of the City. Ms. Anderson provided background information on the item and staff recommendation that the Historic District Commission review it and provide feedback and/or questions regarding the proposal.

Chair McMasters stated that the information provided was not a full project proposal, as it does not meet the minimum standard for information. Commissioner Wagman requested the applicant provide more information for review. Chair McMasters directed staff to draft a request for project specifics, including mitigation to disguise the antennae.

Mr. Depo stated that it was at his request that this item be placed on the agenda so it could be furthered along in the process of approval. Commissioner Burroughs noted the notification date of July 12, 2019, stating that the Commission may have already approved the request, and this was just an update of a previously reviewed project.

Commissioner Wagman motioned for staff to send a letter to the applicant requesting more information. Commissioner Colella seconded the motion; the motion passed unanimously.

Chair McMasters stated that a second item of New Business not included on the agenda was a discussion of the Standards of Renovations regarding signage in downtown Westminster. Mr. Depo explained that the Standards of Renovation were guidelines, but the City's Zoning Ordinance specifies signage requirements for downtown businesses. As a result, the majority of downtown business signages does not meet the Standards of Renovation requirements. He suggested possible modification to the Standards of Renovation, specific to the signage requirements, that the City can approve instead of the Board of Zoning Appeals as the current process.

Commissioner Wagman expressed his encouragement to help businessowners be in compliance, but does not want to discourage changes to make the signs follow the Standards of Renovation. He requested staff provide a draft of changes for review at the next meeting. Mr. Depo added that if the Standards of Renovation are revised, staff can approve applications rather than them coming before the Commission.

Chair McMasters inquired if the signage changes might qualify for Façade Improvement Grant funding. Ms. Anderson stated that they could be eligible and that she would work with businessowners to move forward with those requests.

Chair McMasters then introduced a third item of New Business not included on the agenda was a discussion of the membership standards for the Commission. Mr. Depo stated that staff is recommending lowering the number of Commission members from seven to five. Staff also suggested changing the requirement that the Commission was required to have a majority of members living within City limits, adding that the remainder may live outside of City limits or simply own property within City limits. He believed that the Commission applicant pool could be expanded by allowing owners of property within Carroll County.

Chair McMasters stated her belief that members of the Commission should live within the City, as the Commission decided where taxpayer funding would be allocated. Mr. Depo clarified his recommendation of no more than two members live outside of City limits.

Commissioner Wagman agreed that there is not an increased need for Commission members to include candidates from outside of City limits.

Commissioner Burroughs also agreed, stating that if the Commission is reduced to five members, he did not feel it would be difficult to get new applicants.

Commissioner Colella stated that if someone has a significant vested interest in the City and was a businessowner, rather than a resident, they could be included in the applicant pool due to the impact that the Commission has on their ability to renovate and make changes to their properties. He stated that if an applicant owns a business within the City limits, either by renting or owning a property, and also meets the knowledge requirements, they should be considered as having the City's best interests in mind.

Historic District Commission and Public Comments

Commissioner Colella stated that he would be stepping down from his position on the Commission due to moving outside of City limits.

Chair McMasters then reported that the Historical Society continued to face difficulty in planning and holding events due to COVID-19 restrictions. She announced upcoming activities that would be hosted virtually.

Ms. Gerhard stated that the Maryland Heritage Area Grant was awarded for an historical structure assessment on the Durbin House, located on the former Wakefield Valley Golf Course property.

Ms. Schlitzer stated that any comments for the meeting could be emailed to planning@westgov.com.

Adjournment

Chair McMasters made a motion to adjourn. The Commission adjourned at 8:45 PM.



To: Westminster Historic District Commission

From: Sandy Anderson Main Street Manager

Cc: Mark A. Depo, Director of Community Planning and Development
Andrew Gray, Comprehensive Planner
Andrea Gerhard, Comprehensive Planner

Date: October 2, 2020

Subject: Section 106 Review of Telecommunications Equipment at 2 College Hill Drive

BACKGROUND

According to A Citizen's Guide to Section 106 Review, in the National Historic Preservation Act of 1966 (NHPA), Congress established a comprehensive program to preserve the historical and cultural foundations of the nation as a living part of community life. Section 106 of the NHPA is crucial to that program because it requires consideration of historic preservation in the multitude of projects with federal involvement that take place across the nation every day. The Section 106 review process gives the public the opportunity to alert the federal government to the historic properties that we all value and influence decisions about projects that affect them.

PROPOSAL

T-Mobile proposes the modification of an existing telecommunications facility on the Water Tower located at 2 College Hill Drive. T-Mobile proposes the replacement of three antennas with three new antennas and the replacement of three RRU's. T-Mobile also proposes the replacement of one large equipment cabinet with two new small equipment cabinets.

RECOMMENDATION

City Staff recommends the Historic District Commission review the attached information and provide feedback and/or questions regarding the proposal.

ATTACHMENTS

- Map of location in relation to National Register District
- Photo of the Water Tower Base
- Effects on Identified Properties
- T-Mobile CD's

Border of National Register District is indicated in blue; the City's water tower is located just outside.



Current Appearance



Attachment 10: Effects on Identified Properties

September 16, 2020

Site Number: 7BAN231A
41st Street
Westminster, MD 21157

This Statement of Effects has been prepared for the proposed changes to an existing telecommunications installation at 41st Street in Westminster, Maryland. Because telecommunication facilities are Federal Communication Commission (FCC)-licensed entities, the construction of the facility constitutes an undertaking and its potential impact on historic properties must be considered in accordance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (as amended).

The subject property is a water tower constructed before 1981 according to aerial photographs. Existing installations include antennas and equipment by T-Mobile and other carriers. T-Mobile installations include three (3) antennas per sector for a total of nine (9) antennas, one (1) RRU per sector for a total of three (3) RRUs and two (2) TMAs per sector for a total of six (6) TMAs. Existing installations also include cable and equipment cabinets on a concrete pad within an existing chain-link fenced compound.

T-Mobile proposes the removal and replacement of one (1) antenna per sector for a total of three (3) antenna removals and replacements, the removal of one (1) TMA per sector for a total of three (3) TMAs and the addition of one (1) RRU per sector for a total of three (3) RRUs. One (1) existing TMA per sector will be relocated. T-Mobile also proposes the removal of one (1) large equipment cabinet to be replaced by two (2) smaller equipment cabinets on a new 3'x5' concrete pad within the existing equipment compound at grade. Existing and proposed T-Mobile antennas are mounted at a radial center of 168'-0" agl. The top of the water tower is at a height of 168'-0" agl. No other construction related activities are anticipated. The undertaking does not involve any ground disturbance.

Area of Potential Effects

Federal regulations related to telecommunication projects define the Area of Potential Effect (APE) as *"the geographic area or areas within which an Undertaking may directly or indirectly cause alterations in the character or use of Historic Properties, if any such properties exist."* As there is no ground disturbance associated with this project, the APE for direct effects for this project is limited to the equipment installation locations. Based upon conditions observed in the field, the APE has been determined to be a 700-foot radius around the installation site.

Identified Properties

A review of previously inventoried historic properties was conducted to assess potential direct and indirect/visual effects. The subject water tower is subject to SHPO review because it appears to be over 45 years of age and is located within 250 feet of a National Register listed historic district. The water tower has not been determined eligible for the National Register of Historic Places. It is a common water tower. It is not associated with historically significant persons or events and is not a noteworthy example of its type or method of construction, nor is it the work of a master and is therefore not eligible for the National Register of Historic Places. The subject property lies approximately 35 feet west of the Westminster Historic District (CARR-152), listed on the National Register in 1980. The Buell House at

Attachment 10: Effects on Identified Properties (continued)

203 Pennsylvania Avenue (CARR-1282) is a contributing resource to the Westminster Historic District and was found to be eligible for the National Register in 1987. There are no other National Register listed or eligible properties within the APE for indirect/visual effects (Map 1, Table 1).

Effects on Identified Properties

Direct Effects

As the subject water tower is not individually eligible for the National Register of Historic Places, there will be **No Effect** with respect to direct effects.

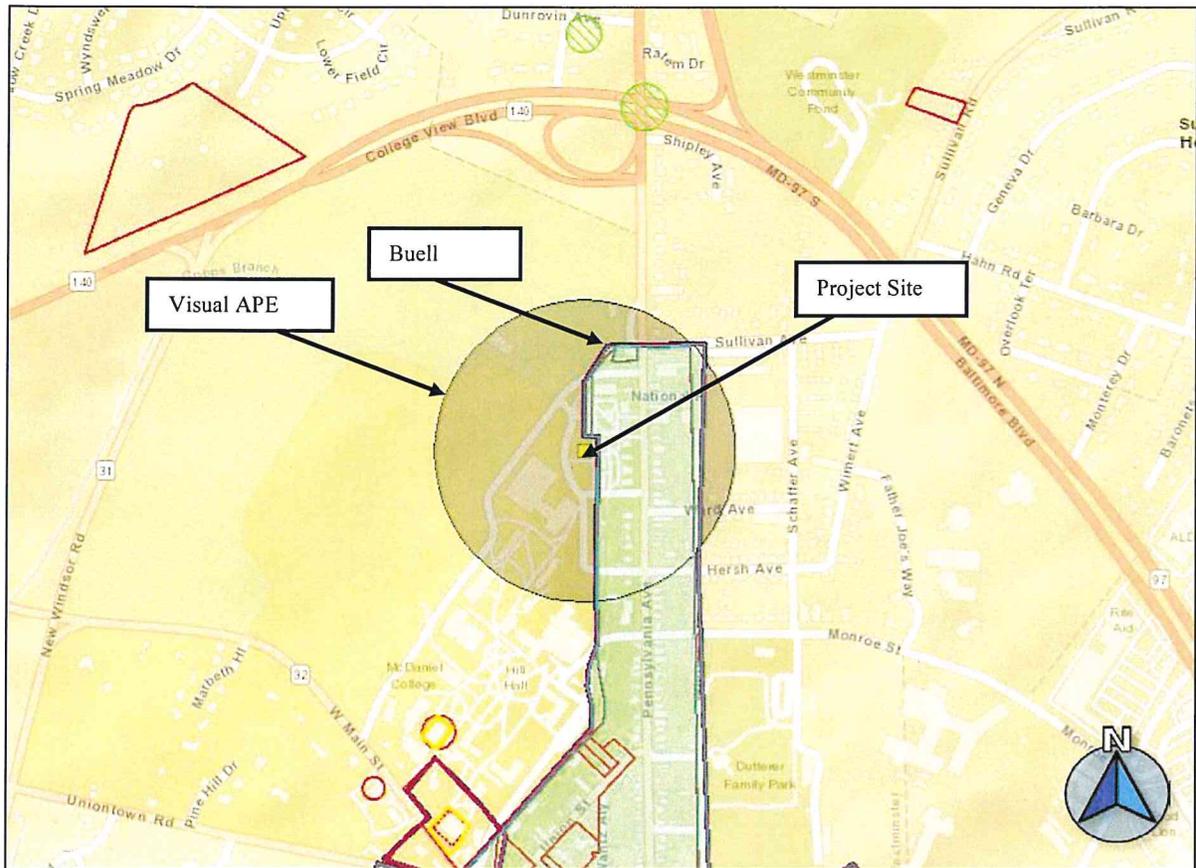
Indirect/Visual Effects

The subject water tower is located in an area surrounded by apartment buildings constructed around 2007, replacing former contributing resources to the Westminster Historic District, making the nearest contributing resources to the historic district about 250 feet east of the Site. The proposed antenna removals and replacements, TMA removals and relocations and addition of three RRUs as well as equipment changes constitute a minor change to this existing facility and the changes will not be readily distinguishable from existing installations. The additions will not endanger those qualities that make either the Westminster Historic District (CARR-152) or the Buell House (CARR-1282) eligible for the National Register of Historic Places. Therefore, there will be **No Adverse Effect** with respect to indirect/visual effects.

Please refer to the following maps and photographs for additional information.

David C. Berg
Architectural Historian

Attachment 10: Effects on Identified Properties (continued)



Map 1: Map showing the subject water tower and the 700-foot APE.
Source: <http://geodata.md.gov/>

Table 1. Historic Properties within a 700-foot radius of the project site

Name	Distance from project site	National Register Status	Effect
Westminster Historic District (CARR-152)	35 Feet	Listed	No Adverse Effect
Buell House, 203 Pennsylvania Avenue (CARR-1282)	450 feet	Eligible	No Adverse Effect

Attachment 10: Effects on Identified Properties (continued)



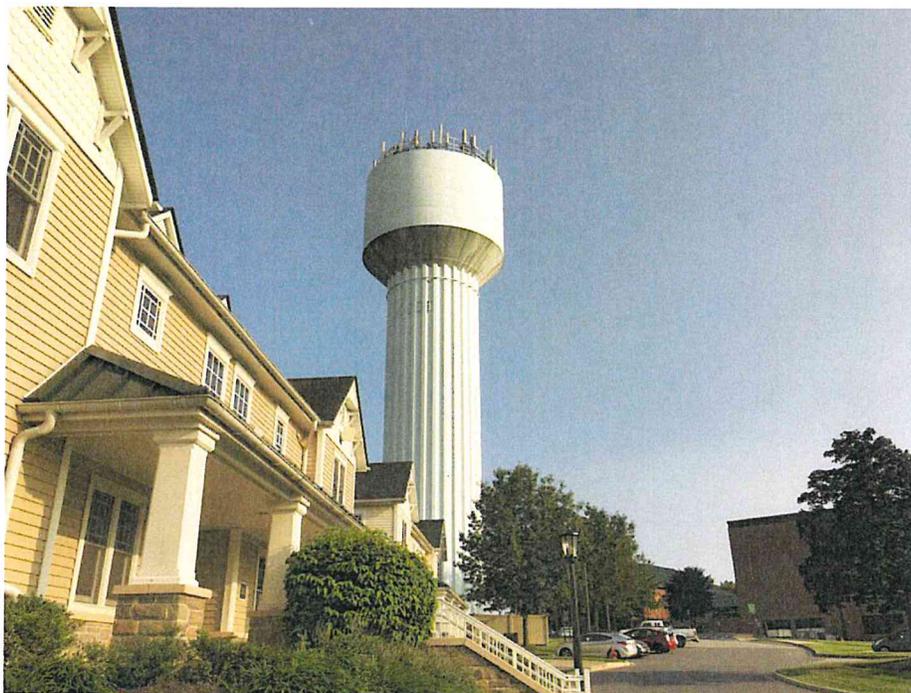
1. View towards Water Tower, facing north.



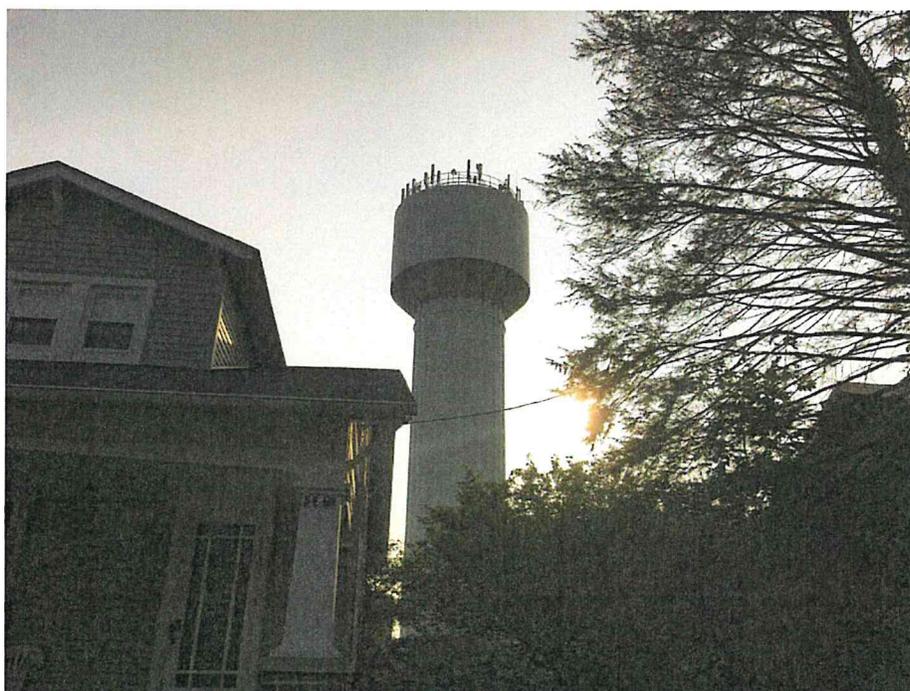
2. View towards Water Tower, facing east.

7BAN231A
41st Street, Westminster

Attachment 10: Effects on Identified Properties (continued)



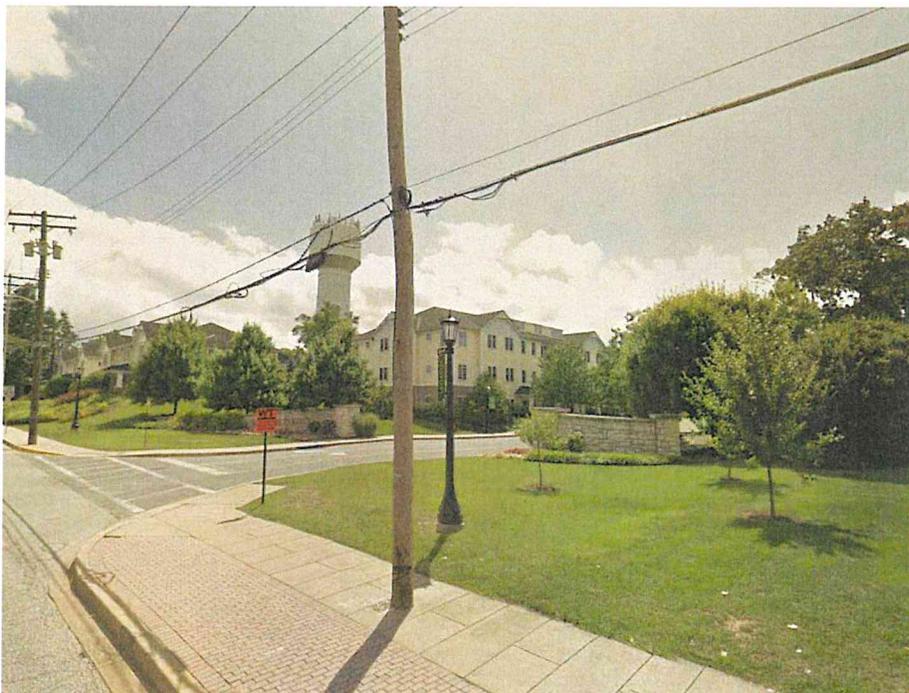
3. View towards Water Tower, facing south.



4. View towards Water Tower from Westminster Historic District (CARR-152), facing west.

7BAN231A
41st Street, Westminster

Attachment 10: Effects on Identified Properties (continued)

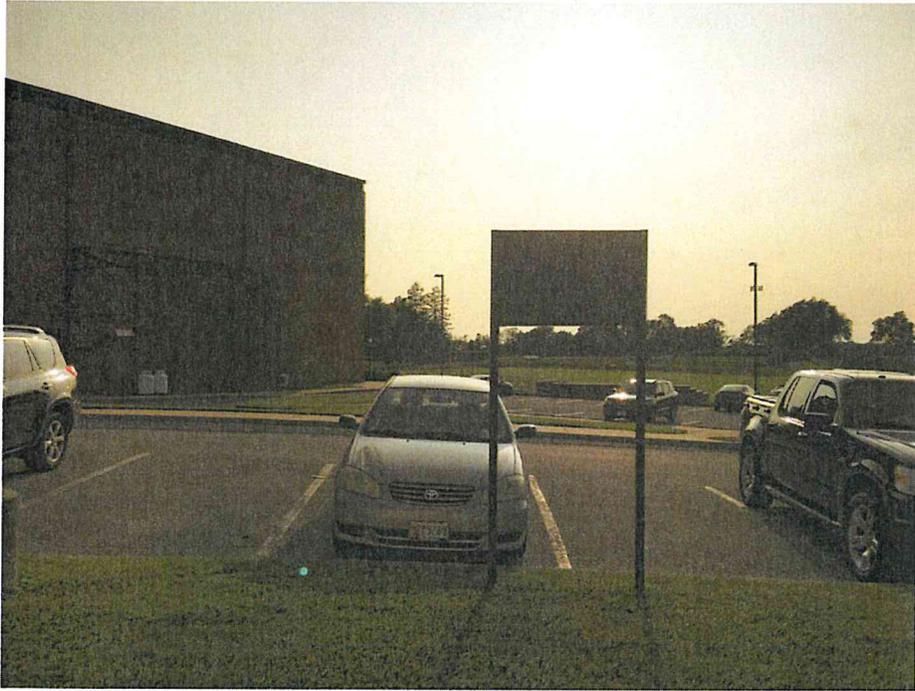


5. View towards Water Tower from Buell House (CARR-1282), facing southwest.

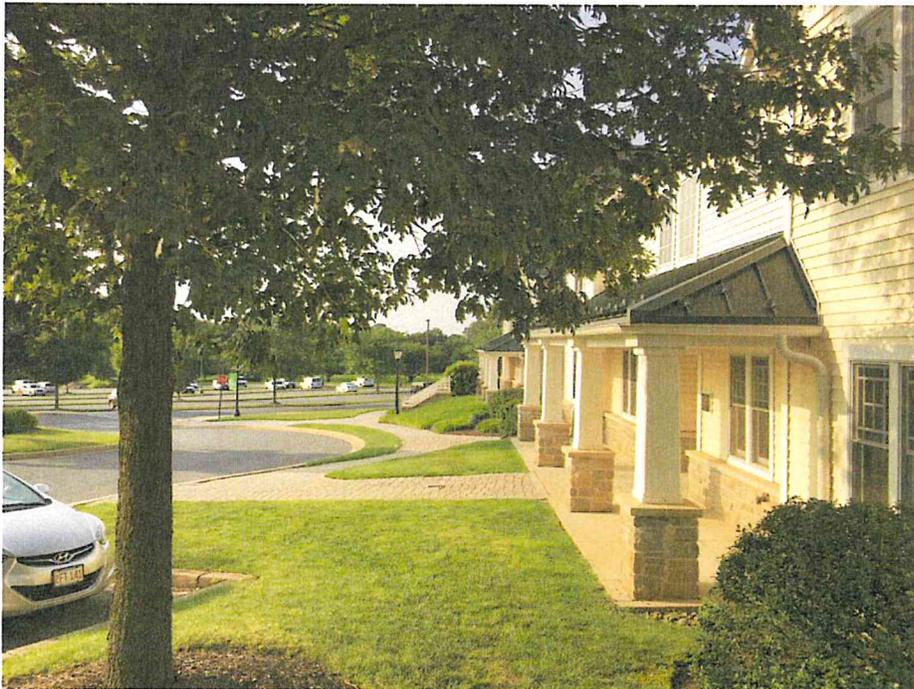


6. View from Water Tower, facing south.

Attachment 10: Effects on Identified Properties (continued)



7. View from Water Tower, facing west.



8. View from Water Tower, facing north.

7BAN231A
41st Street, Westminster

Attachment 10: Effects on Identified Properties (continued)



9. View from Water Tower towards Westminster Historic District (CARR-152), facing east.



10. View from Water Tower towards Buell House (CARR-1282), facing east.

7BAN231A
41st Street, Westminster



SITE ID: 7BAN231A
SITE NAME: TOWN OF WESTMINSTER - WT
SITE TYPE: WATER TANK
DESIGN: 67D5A997DB MUAC

SITE ADDRESS: 41ST STREET
 WESTMINSTER, MD 21157
COUNTY: CARROLL
JURISDICTION: CARROLL COUNTY



1825 W. WALNUT HILL LANE, SUITE 302
 WESTMINSTER, MD 21157
 410-586-5421



STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 54-181
 KATHLEEN WANG
 ENGINEER
 I HEREBY CERTIFY THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. 54-181, EXPIRATION DATE 04/11/2021.

CONTRACT SCALES ARE PROVIDED FOR 11"x17" OR 24"x36" SIZE PRINTED WORK ONLY.

REV	DATE	DESCRIPTION	BY
A	04/11/20	9x9 CD	RC
A	04/07/20	100% CD	KZ

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER - WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET #	DESCRIPTION	REVISION #
T-1	TITLE SHEET	A
GN-1	GENERAL NOTES	A
A-1	SITE PLAN LAYOUT	A
A-2	ANTENNA SCHEDULE	A
A-3	ELEVATION VIEWS	A
A-4	ELEVATION VIEWS	A
A-5	ELEVATION VIEWS	A
A-6	EQUIPMENT LAYOUT	A
D-1	DETAILS	A
D-2	DETAILS	A
D-3	DETAILS	A
D-4	DETAILS	A
E-1	ELECTRICAL DETAILS	A
E-2	GROUNDING DETAILS	A
E-3	PLUMBING DIAGRAM	A

PROJECT DESCRIPTION

SCOPE OF WORK:
 T-MOBILE PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING AS PER RFDS VERSION 4 DATED 07/29/2020.

- REMOVE (3) (E) ANDREW-HBRX-901405-A2M (QUAD) ANTENNA IN POSITION #1 FOR (1) PER SECTOR
- REMOVE (3) (E) ERICSSON TWIN STYLE 1A-KRY 112 489/2 TUMS IN POSITION #1 FOR (1) PER SECTOR
- RELOCATED (3) (E) ERICSSON TWIN STYLE 1B-KRY 112144/2 TUMS IN POSITION #1 FOR (1) PER SECTOR
- REMOVE (3) (E) ERICSSON-AB6449 841 (ACTIVE ANTENNA - MASSIVE MIMO) ANTENNAS IN POSITION #1 FOR (1) PER SECTOR
- INSTALL (3) (N) 4415 B25 RRU NEAR ANTENNAS IN POSITION #2 FOR (1) PER SECTOR
- INSTALL (3) (N) COMMSCOPE-SOX19260-431E14F05F89) DIPLXERS IN POSITION #2 FOR (1) PER SECTOR
- REMOVE (1) RBS 3106 CABINET
- REMOVE (3) RUIZ 80
- REMOVE (1) RUIZ 80
- INSTALL (1) 8160 SSC CABINET
- INSTALL (1) 8160 BATTERY CABINET
- INSTALL (1) 88 6848 FOR N2500
- INSTALL (1) PSU 4413 VOLTAGE BOOSTER
- INSTALL (3) RUS01 B4
- INSTALL (3) ERICSSON 6X12 HCS 80M

PROJECT INFORMATION

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

COUNTY:
CARROLL

JURISDICTION:
UNMANNED TELECOMMUNICATION FACILITY

PROPOSED USE:
UNMANNED TELECOMMUNICATION FACILITY

PARCEL NUMBER (APN):
U

OCCUPANCY CLASS:
R

ZONE:
R

BUILDING USE:
-

CONSTRUCTION TYPE:
-

STRUCTURE TYPE:
WATER TANK

LATITUDE:
N 39° 35' 11.6" (39.58655000)

LONGITUDE:
W 77° 00' 0.4" (-77.00012000)

PROPERTY OWNER:
WESTERN MARYLAND COLLEGE, INC
26 COLLEGE HILL
WESTMINSTER, MD 21157

PROJECT TEAM

APPLICANT:
T-MOBILE
1205 BALTIMORE AVENUE
BELTSVILLE, MD 20705

SITE ACQUISITION:
SMARTLINKGROUP
1252 MELLON ROAD, SUITE 140
HANOVER, MD 21078

CONTACT:
PHONE: HISSON.WHITES@SMARTLINKGROUP.COM

ARCHITECTURAL & ENGINEERING:
TRYLON, TSO
1825 W. WALNUT HILL LANE, SUITE 120
WESTMINSTER, MD 21157
PHONE: 410-586-5421
EMAIL: KATY.SERAVALLE@TRYLON.COM

SHEET INDEX

SHEET #	DESCRIPTION	REVISION #
T-1	TITLE SHEET	A
GN-1	GENERAL NOTES	A
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A-2	ANTENNA SCHEDULE	A
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A-5	ELEVATION VIEWS	A
A-6	EQUIPMENT LAYOUT	A
D-1	DETAILS	A
D-2	DETAILS	A
D-3	DETAILS	A
D-4	DETAILS	A
E-1	ELECTRICAL DETAILS	A
E-2	GROUNDING DETAILS	A
E-3	PLUMBING DIAGRAM	A

VICINITY MAP



DRIVING DIRECTION:

DIRECTIONS FROM T-MOBILE BALTIMORE OFFICE, 12050 BALTIMORE AVENUE, BELTSVILLE, MD 20705:
 HEAD NORTHWEST TOWARD US-1 N/WALNUT AVE. TURN RIGHT ONTO US-1 N/WALNUT AVE.
 USE THE LEFT 2 LANES TO TURN LEFT ONTO THE MD-200 W RAMP TO I-95/I-270. CONTINUE
 ONTO MD-200 W TOLL ROAD. TAKE EXIT 19 B FOR I-95 N TOWARD BALTIMORE TOLL ROAD. KEEP
 LEFT AND MERGE WITH I-95 N. USE THE LEFT LANE TO TAKE EXIT 49B FOR I-695 W
 TOWARD TOWNSHIP MERGE WITH I-695 N. USE THE RIGHT 2 LANES TO TAKE EXIT 19 FOR
 I-795/NORTHWEST EXPY TOWARD OWENS MILLS/REISTERSTOWN. CONTINUE ONTO I-795
 TOWARD WESTMINSTER. TURN LEFT ONTO PENNSYLVANIA AVE. TURN RIGHT TOWARD 41ST
 ST. TURN RIGHT ONTO 41ST ST. DESTINATION WILL BE ON THE LEFT.

BUILDING CODES

- APPLICABLE BUILDING CODES:**
- 2018 BUILDING CODE OF MARYLAND
 - 2015 EXISTING BUILDING CODE OF MARYLAND
 - 2012 GREEN CONSTRUCTION CODE OF MARYLAND
 - 2018 MECHANICAL CODE OF MARYLAND
 - 2018 PLUMBING CODE OF MARYLAND

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATION THEY MAY IMPOSE.

T-MOBILE RF ENGINEER:	DATE:
SITE ACQUISITION:	DATE:
CONSTRUCTION MANAGER:	DATE:
PROPERTY OWNER:	DATE:
ZONING:	DATE:
PROJECT MANAGER:	DATE:

NOTES

NO WORK IS TO BE PERFORMED ON THIS SITE WITHOUT REVIEW OF THE APPROVED STRUCTURAL ANALYSIS. IF ANY DISCREPANCIES ARE FOUND THE GENERAL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING. ANY ADDITIONAL ANTENNAS BE INSTALLED WITHOUT WRITTEN CONSENT FROM ENGINEER OF RECORD.



FOR ANY CONFLICTS BETWEEN SECTIONS OF LETTER 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. Know what's below. Call before you dig. www.call811.com



CHANGING SCALES ARE INTENDED FOR 11"x17" OR 24"x36" SIZE PRINTED MEDIA ONLY.

SUBMITTALS			
REV	DATE	DESCRIPTION	BY
A	08/11/21	90% CD	RC
B	09/07/20	100% CD	RC

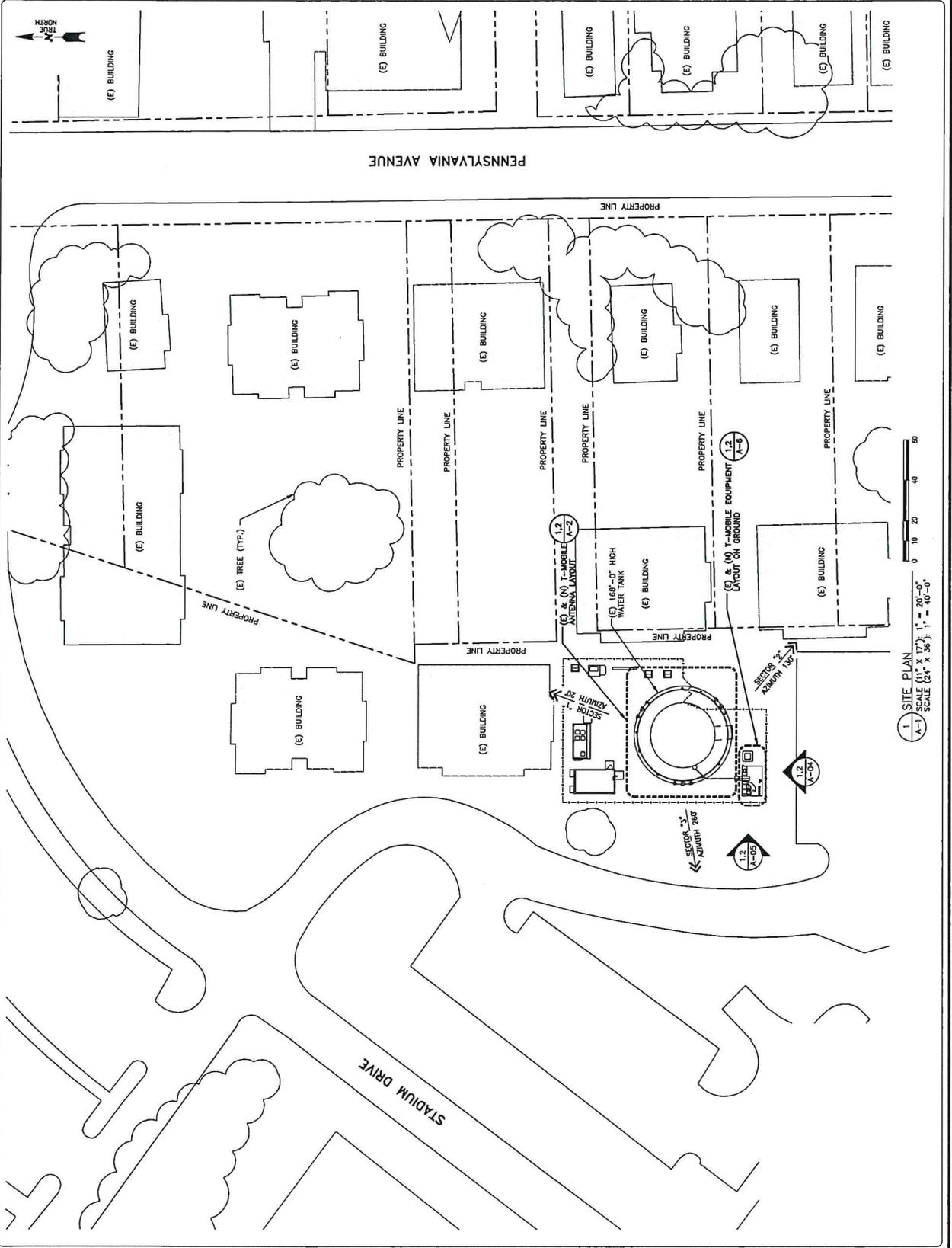
SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER - WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION
SITE PLAN
SHEET No.
A-1





stick together
12050 BALTIMORE AVENUE
BELTSVILLE, MD 20725



1382 MELTON ROAD, SUITE 140,
HANOVER, MD 21076



1825 W. WALNUT HILL LANE, SUITE 302
HANOVER, MD 21076
1-855-569-5421



SHANH WANG
PROFESSIONAL ENGINEER
57181
I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. SA187, EXPIRATION DATE 04/11/2021

DRAWING SCALES ARE INDICATED FOR 11x17" OR 24"x36" SIZE PRINTED MEDIA ONLY.

SUBMITTALS		BY
REV	DATE	DESCRIPTION
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A	09/07/20	100% CD

SITE INFORMATION

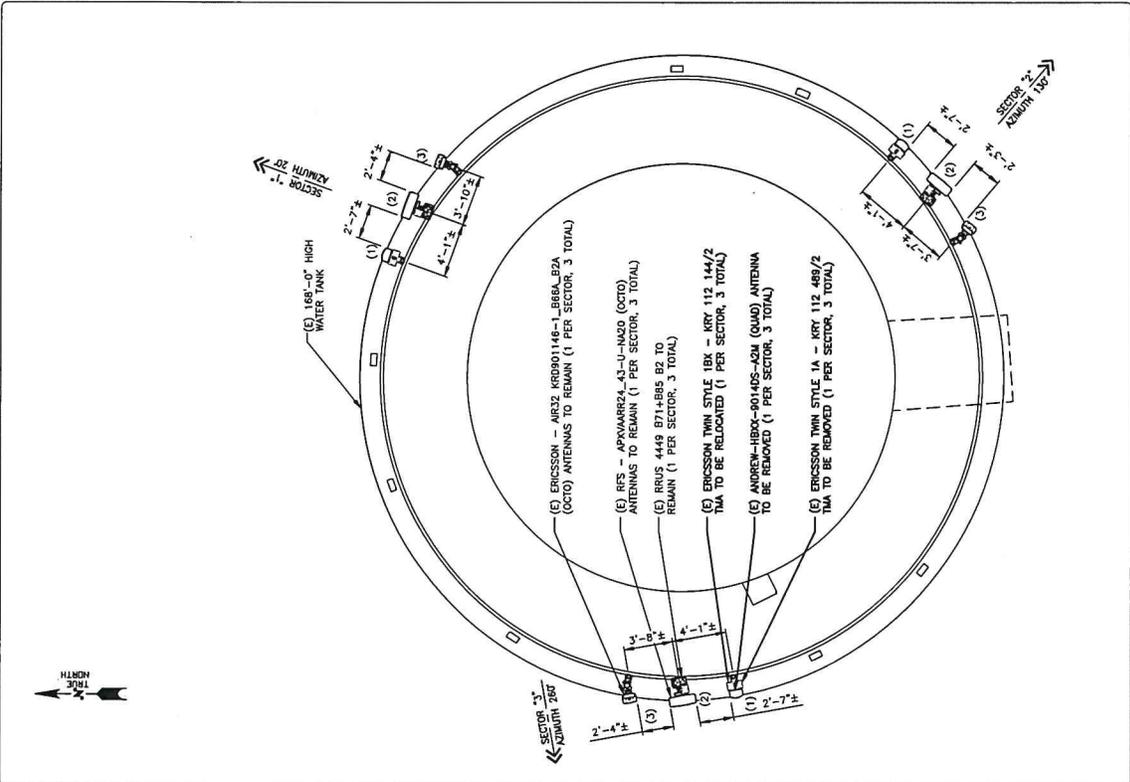
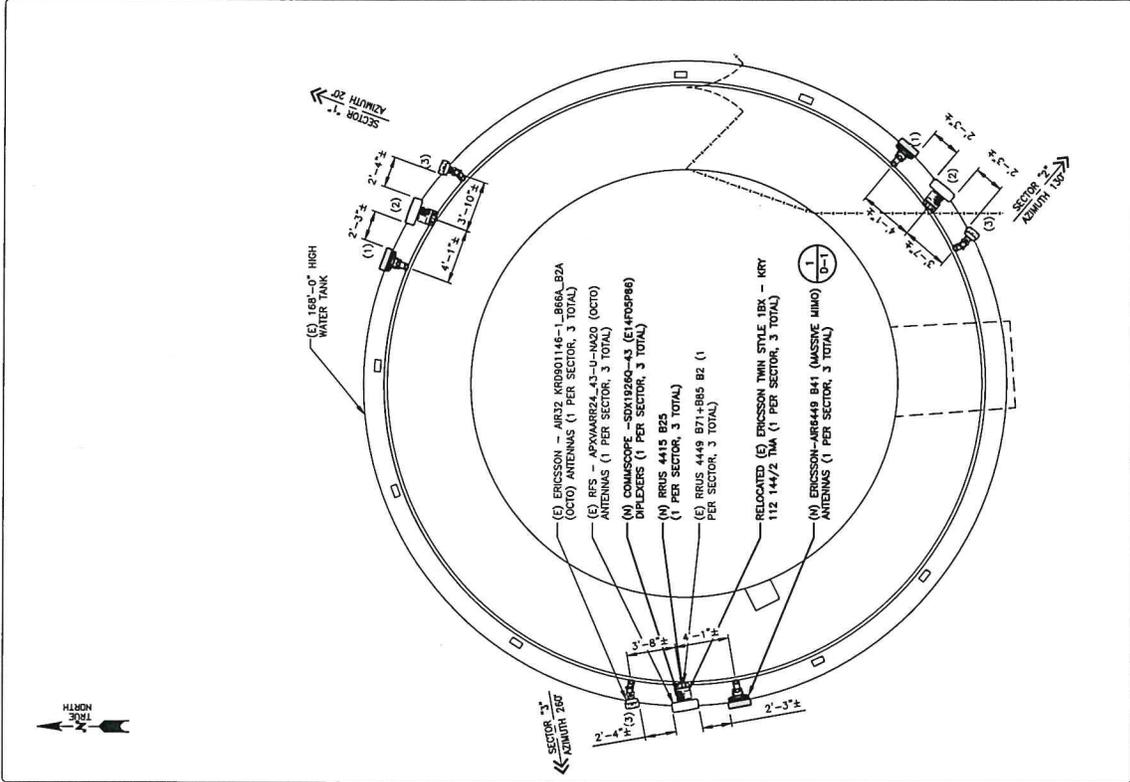
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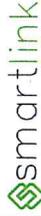
SHEET DESCRIPTION
ANTENNA LAYOUT

SHEET No.
A-2





12050 BALTIMORE AVENUE
BELTSVILLE, MD 20705



1362 HELLON ROAD, SUITE 140,
HANOVER, MD 21076



1825 W. WALNUT HILL LANE, SUITE 302
HANOVER, MD 21076
1-855-569-5421



PROFESSIONAL ENGINEER
KIMBERLY WANG
I AM A DUTY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND. LICENSE NO. 54,187. EXPIRATION DATE 04/11/2021

CHANGES SHALL BE PRINTED FOR 11"x17" OR
24"x36" SIZE PRINTED MEDIA ONLY.

REV	DATE	DESCRIPTION	BY
A	09/17/20	SWK CD	HC
0	09/07/20	100% CD	HC

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER - WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION
ANTENNA SCHEDULE

SHEET No.
A-3

7BAN231A ANTENNA AND EQUIPMENT SCHEDULE 7BAN231A_ANCHOR_4_2020-07-29

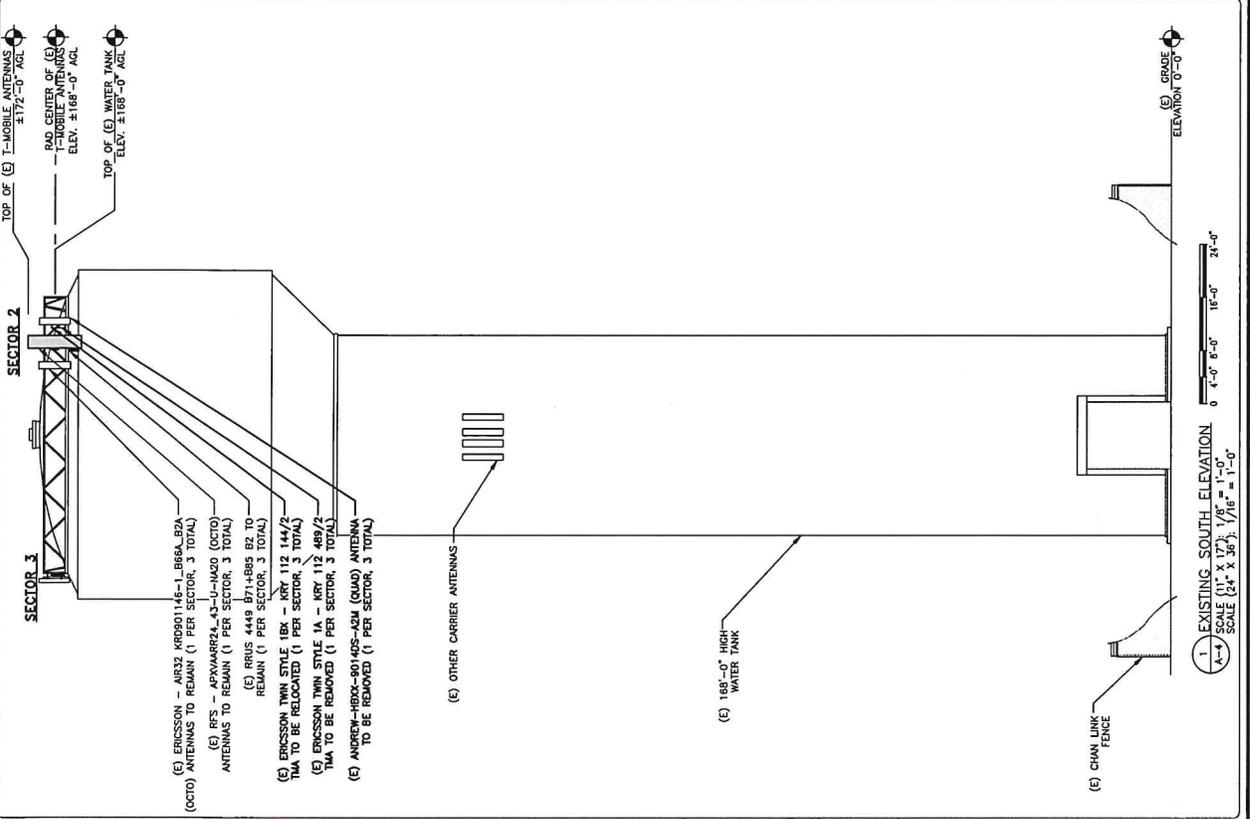
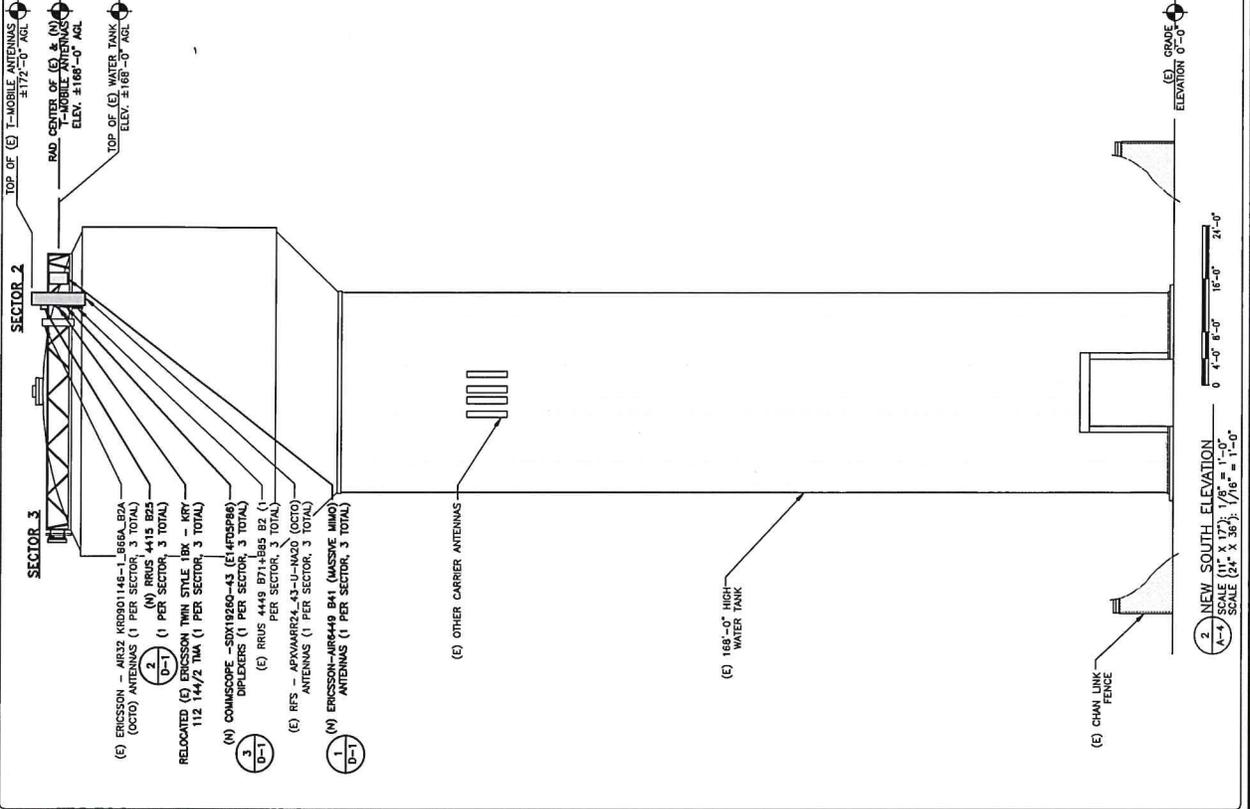
SECTOR	TECH	AZIMUTH	ANTENNA			STATUS	RAD CENTER	RADIO	RADIO	TYPE	LENGTH	HYBRID CABLE
			MANUFACTURER	MODEL NO.	SIZE & WEIGHT							
SECTOR 1	1	L1000/01900	ANDREW	H8XC-90140S-A2H (QUAD)	51.6"x13.0"x8.5" (48.7 lbs)	EXISTING	168'-0"	(1) (E) R60 4487 B711885 (1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) 1-1/4" COAX	198'-0"		
	2	L1700/L1800/H800	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS (4) (E) COAX JUMPERS	10'-0"		
	3	L1100/L1900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	
SECTOR 2	1	L1000/01900	ANDREW	H8XC-90140S-A2H (QUAD)	51.6"x13.0"x8.5" (48.7 lbs)	EXISTING	168'-0"	(1) (E) R60 4487 B711885 (1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) 1-1/4" COAX	198'-0"		
	2	L1700/L1800/H800	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS (4) (E) COAX JUMPERS	10'-0"		
	3	L1100/L1900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	
SECTOR 4	1	L1000/01900	ANDREW	H8XC-90140S-A2H (QUAD)	51.6"x13.0"x8.5" (48.7 lbs)	EXISTING	168'-0"	(1) (E) R60 4487 B711885 (1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) 1-1/4" COAX	198'-0"		
	2	L1700/L1800/H800	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS (4) (E) COAX JUMPERS	10'-0"		
	3	L1100/L1900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	

1. ANTENNA SCHEDULE
A-3 SCALE: N.T.S.

7BAN231A ANTENNA AND EQUIPMENT SCHEDULE 7BAN231A_ANCHOR_4_2020-07-29

SECTOR	TECH	AZIMUTH	ANTENNA			STATUS	RAD CENTER	RADIO	RADIO	TYPE	LENGTH	HYBRID CABLE
			MANUFACTURER	MODEL NO.	SIZE & WEIGHT							
SECTOR 1	1	L1000/01900	ERICSSON	AR6448 B41 (MASSIVE MIMO)	33.1"x20.9"x8.8" (104.0 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS	-		
	2	L1700/L1800/L1900	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS (4) (H) COAX JUMPERS (2) (H) 1-1/4" COAX	10'-0" 198'-0"		
	3	L1100/01900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	
SECTOR 2	1	L1000/01900	ERICSSON	AR6448 B41 (MASSIVE MIMO)	33.1"x20.9"x8.8" (104.0 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS	-		
	2	L1700/L1800/L1900	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS (4) (H) COAX JUMPERS (2) (H) 1-1/4" COAX	10'-0" 198'-0"		
	3	L1100/01900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	
SECTOR 4	1	L1000/01900	ERICSSON	AR6448 B41 (MASSIVE MIMO)	33.1"x20.9"x8.8" (104.0 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS	-		
	2	L1700/L1800/L1900	RFS	APXWR24L-3-U-1M20 (OCTO)	98.9"x24.5"x3.7" (128 lbs)	EXISTING	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (H) FIBER JUMPERS (4) (H) COAX JUMPERS (2) (H) 1-1/4" COAX	10'-0" 198'-0"		
	3	L1100/01900	ERICSSON	AR32 KR9001146-1_L866A_B2A (OCTO)	56.6"x12.9"x8.7" (132.2 lbs)	NEW	168'-0"	(1) (E) TRN STYLE-RC-RRY (1) (E) TRN STYLE-H-RRY 112	(4) (E) FIBER JUMPERS	-	(3) (E) ERICSSON 8X12 HCS SANG BOM	

1. ANTENNA SCHEDULE
A-3 SCALE: N.T.S.



T-Mobile
 sticks together
 12050 BALDWIN ROAD
 BELTSVILLE, MD 20705

smartlink
 1362 MELON ROAD, SUITE 140,
 HANOVER, MD 21076

Trylon
 1825 W. WALNUT HILL LANE, SUITE 302
 HANOVER, MD 21076
 1-855-169-5421

STATE OF MARYLAND
 SHIMSHAN WANG
 94181
 PROFESSIONAL ENGINEER
 I HEREBY CERTIFY THAT THESE DOCUMENTS
 WERE PREPARED BY ME OR UNDER MY CLOSE
 SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL
 ENGINEER UNDER THE LAWS OF THE STATE OF
 MARYLAND. DATE 04/11/2021

CADFILES ARE INTENDED FOR 11x17 OR
 21x34" SIZE PRINTED MICRO PLOT.

SUBMITTALS		
REV	DATE	DESCRIPTION
A	06/11/19	ISSUE CD
B	09/07/19	ISSUE CD

SITE INFORMATION

SITE NAME:
 TOWN OF WESTMINSTER - WT

SITE NUMBER:
 7BAN231A

SITE ADDRESS:
 41ST STREET
 WESTMINSTER, MD 21157

SHEET DESCRIPTION
 ELEVATION VIEWS

SHEET No.
 A-4



12050 BALTIMORE AVENUE
BELTSVILLE, MD 20725



1382 MELON ROAD, SUITE 140,
HANOVER, MD 21076



1825 W. WALNUT HILL LANE, SUITE 302
HANOVER, MD 21076
1-855-889-3421



PROFESSIONAL ENGINEER
XINYAN WANG
I HAVE REVIEWED THE ABOVE DOCUMENTS
AND HEREBY CERTIFY THAT THE INFORMATION
HEREIN IS TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. I AM A DULY LICENSED PROFESSIONAL
ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. 54167, EXPIRATION
DATE 04/11/2021

DRAWING SCALE ASK REQUESTED FOR 1/16" OR
3/4" X 1/8" SIZE PRINTED MEDIA ONLY.

REV	DATE	DESCRIPTION	BY
A	06/21/20	90% CD	NC
B	08/07/20	100% CD	NC

SITE INFORMATION

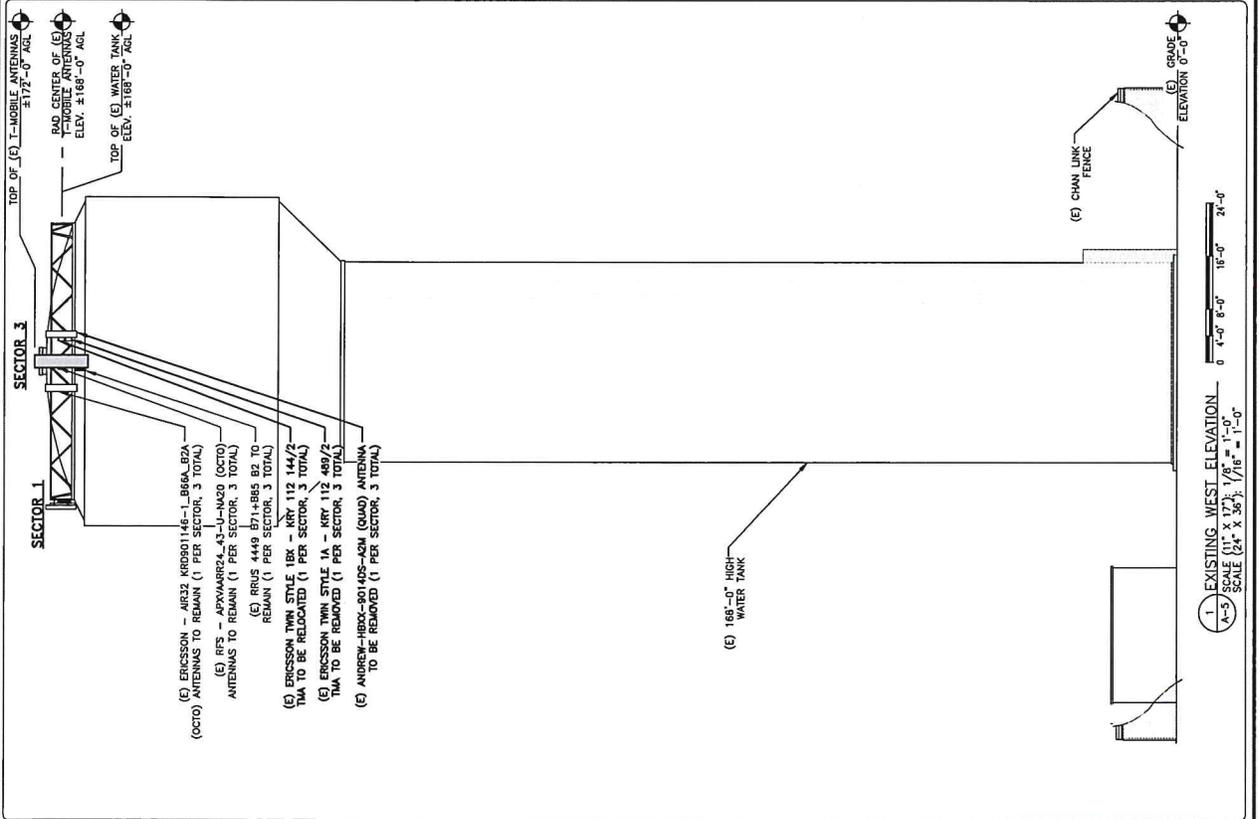
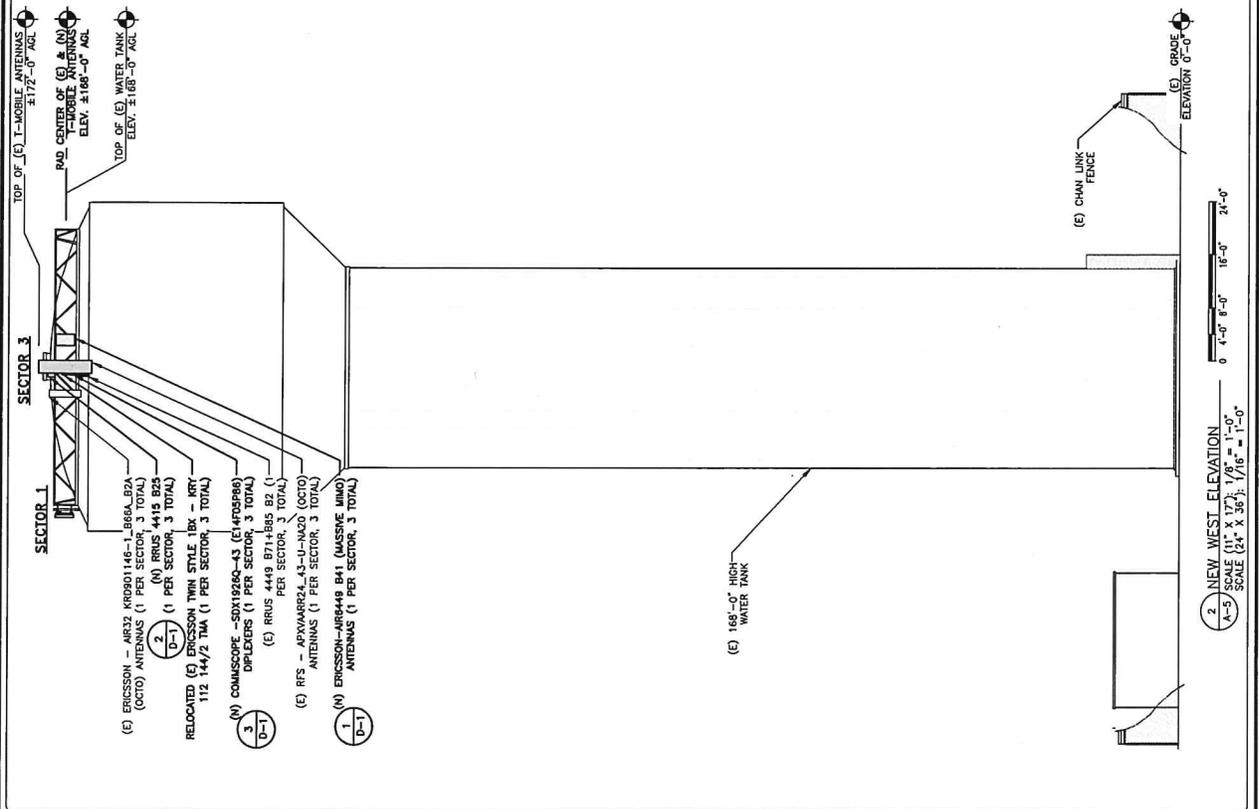
SITE NAME:
TOWN OF WESTMINSTER - WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION
ELEVATION VIEWS

SHEET No.
A-5





PROFESSIONAL ARCHITECT
 I HAVE PREPARED OR APPROVED BY ME THE
 WORK SHOWN ON THESE PLANS AND I AM A DULY LICENSED PROFESSIONAL ARCHITECT IN THE STATE OF
 MARYLAND, LICENSE NO. 54181, EXPIRATION
 DATE 04/11/2021

DRAWING SCALES ARE INTENDED FOR 11"x17" OR
 24"x36" SIZE PRINTED MEDIA ONLY.

SUBMITTALS	
REV	DESCRIPTION
A	08/11/20
B	09/07/20

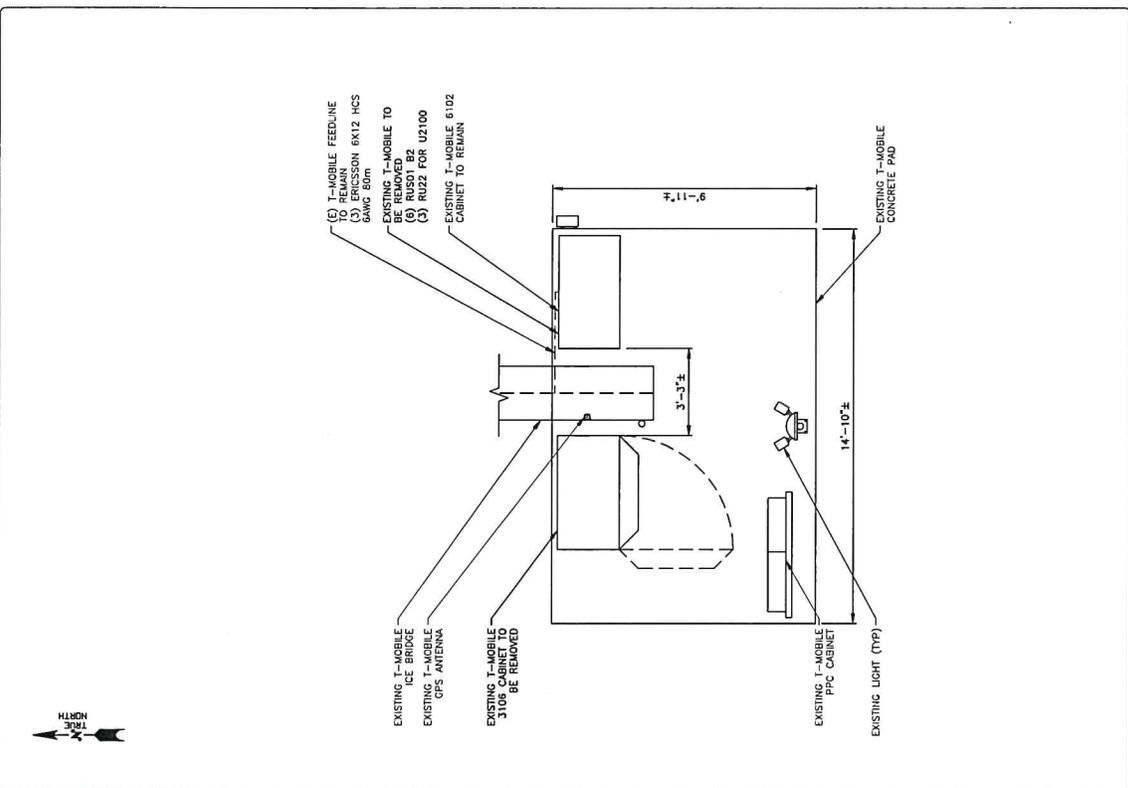
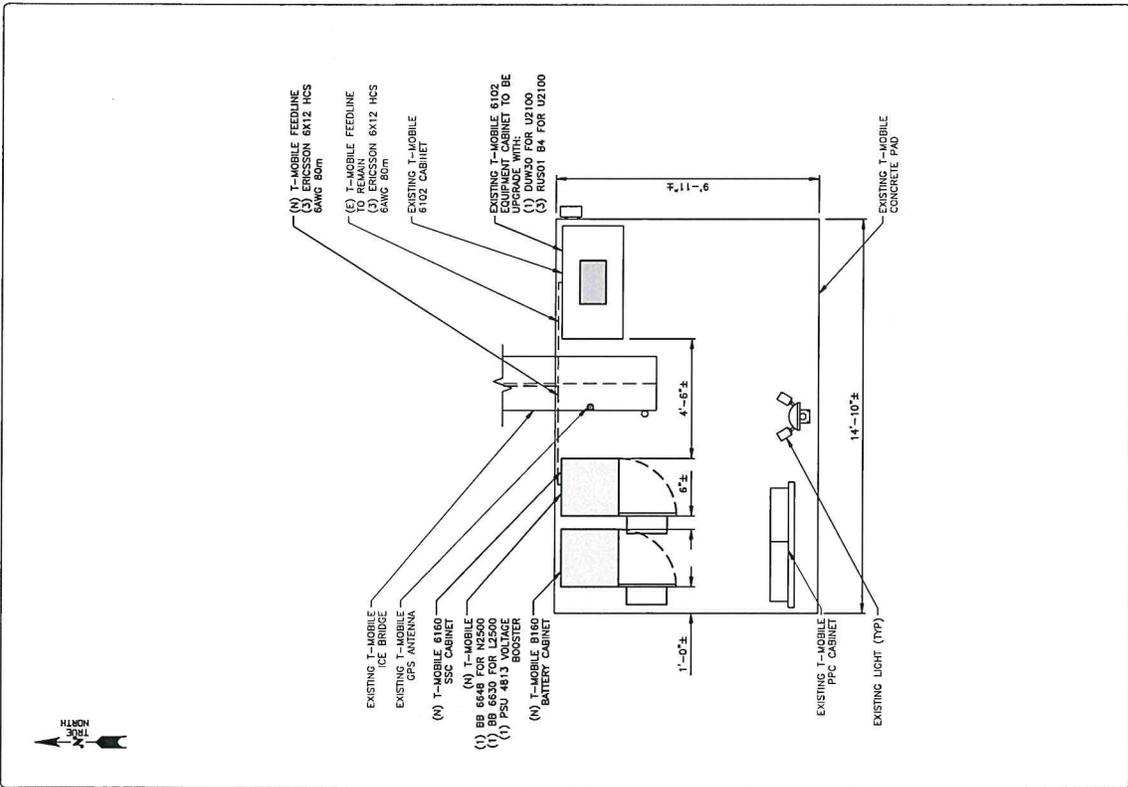
SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER - WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION	EQUIPMENT LAYOUT
SHEET No.	A-6





12050 BALTIMORE AVENUE
BELTSVILLE, MD 20705



1362 MELLON ROAD, SUITE 140,
HANOVER, MD 21076



1825 W. WALKER MILL LANE, SUITE 302
LAWSONVILLE, MD 21087
1-800-669-3421



I, JONATHAN WANG, LICENSE NO. 54187, EXPIRATION DATE 04/11/2021, AM A DULY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND.

DRAWING SCALE: SEE INTRODUCTION FOR 11"x17" OR 24"x36" SIZE PRINTED MEDIA ONLY.

REV	DATE	DESCRIPTION	BY
A	08/11/20	90% CD	RC
0	08/07/20	100% CD	KZ

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER – WT

SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION
DETAILS
SHEET No.
D-1

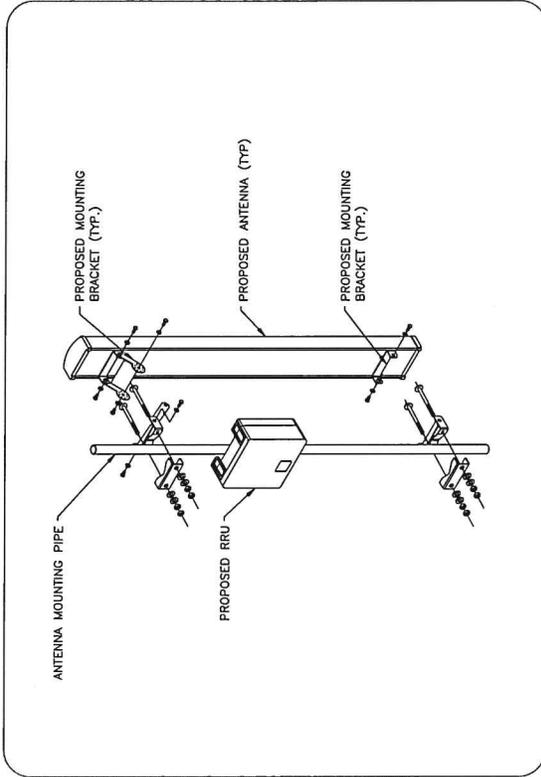
MANUFACTURER:	ERICSSON	
MODEL NO.:	RRUS 4415 B25	
DIMENSIONS:	TOTAL WEIGHT :	
A	15"	
B	13.2"	48.5 LBS (21.7 Kg)
C	5.8"	

FRONT VIEW

TOP VIEW

13.2"
5.8"
5.8"

2. ERICSSON RRUS_4415_B25.
D-1 SCALE: N.T.S



1. ANTENNA/RRU MOUNTING_DETAIL
D-2 SCALE: N.T.S

ERICSSON - AIR6449 B41	
RADOME MATERIAL	FIBERGLASS
RADOME COLOR	LIGHT GRAY
BAND	41
DIMENSIONS (HxWxD)	33.1"x20.5"x6.6"
WEIGHT W/O MOUNTING KIT	104.0 LBS.

FRONT VIEW

SIDE VIEW

TOP VIEW

33.1"
20.5"
6.6"

1. ERICSSON - AIR6449_B41 ANTENNA SPECIFICATIONS
D-1 SCALE: N.T.S

FRONT

SIDE

PLAN

5.5"
4.0"
6.9"

MECHANICAL SPECIFICATIONS:	
TWIN DIPLEXER, PCS/AWS-AWS	SDX19260-43
MODEL NUMBER:	6.9" x 5.5" x 4.0"
DIMENSIONS:	(176.5x140.0x101.0mm)
WEIGHT:	8.4lbs (3.8kg)

1. (N) COMMSCOPE-SDX19260-43(E14F05E886) DIPLEXERS DETAILS
D-2 SCALE: N.T.S



12050 BALTIMORE AVENUE
BELTSVILLE, MD 20725



1392 MELON ROAD, SUITE 140,
HANOVER, MD 21076



1825 W. WALNUT HILL LANE, SUITE 302
HANOVER, MD 21076
1-800-888-5421



PROFESSIONAL ENGINEER
KISSAN WANG
STATE OF MARYLAND
LICENSE NO. 54187
EXPIRES 04/11/2021

DRAWING SCALES ARE INDICATED FOR 11"X17" OR
24"X36" SIZE PRINTED MEDIA ONLY.

REV	DATE	DESCRIPTION	BY
A	06/07/20	90% CD	RC
B	06/07/20	100% CD	RC

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER - WT

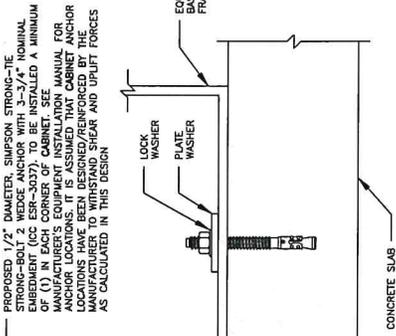
SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION

DETAILS

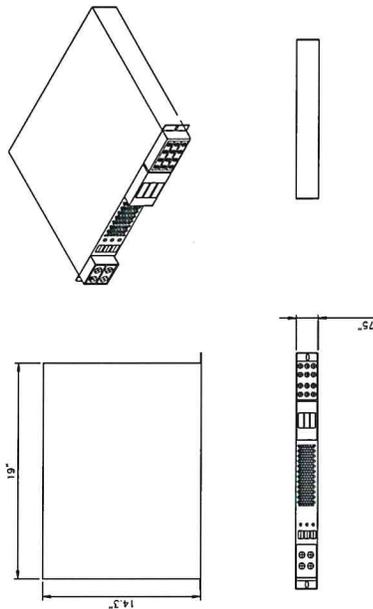
SHEET No.
D-2



PROPOSED 1/2" DIAMETER, SIMPSON STRONG-TIE STRONG-BOLT 2 WELD ANCHOR WITH 3--3/4" NOMINAL EMBEDMENT (SEE ESI-3037). TO BE INSTALLED A MINIMUM OF 4" FROM THE EDGE OF THE CONCRETE. REFER TO THE MANUFACTURER'S EQUIPMENT INSTALLATION MANUAL FOR ANCHOR LOCATIONS. IT IS ASSUMED THAT CABINET ANCHOR LOCATIONS HAVE BEEN DESIGNED/REINFORCED BY THE MANUFACTURER TO WITHSTAND TYPICAL AND UNUSUAL FORCES AS CALCULATED IN THIS DESIGN.

2. CABINET ANCHORAGE DETAIL
0-2 SCALE: N.T.S.

PSU 4813 VOLTAGE BOOSTER
DIMENSIONS: WxDxH:
(19"X14.3"X11.7")
OPERATING TEMPERATURE:
-40 TO +60°C
-38 TO -56.5 VOLTS
INPUT CURRENT: MAX:
30A, 10A OR 50A
FUSE RATING:



4. PSU 4813 VOLTAGE BOOSTER
0-2 SCALE: N.T.S.



PROPOSED P-1000 UNISTRUT WITH RAILINGS MOUNTED TO EXISTING UNISTRUT. UNISTRUT RAILINGS TO BE CENTERED ON EX. UNISTRUT.

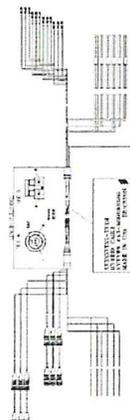
EXISTING RAILING

PROPOSED SUPPORT PIPE (TYP)

PROPOSED RRU (SECURE TO UNISTRUT PER MANU. SPECS)

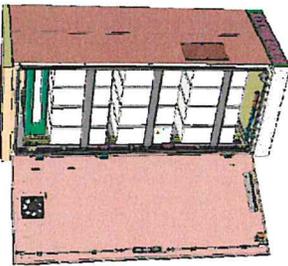
1. RRU MOUNTING DETAIL
0-2 SCALE: N.T.S.

HCS 6 X 12
ERICSSON HYBRID CABLE, 6 DC PAIRS + 12 OPTICAL PAIRS
UL APPROVED



6 X 12 Hybrid Cable Dimensions	
Overall Length	4400 (14.27)
Overall Width	24 (0.76)
Overall Height	24 (0.76)
Overall Weight	35 (12.28) LBS
Overall Diameter	42 (1.28) INCH
Overall Thickness	1.06 (0.03) INCH
Overall Volume	1.35

3. 6AWG DC CABLE
0-2 SCALE: N.T.S.



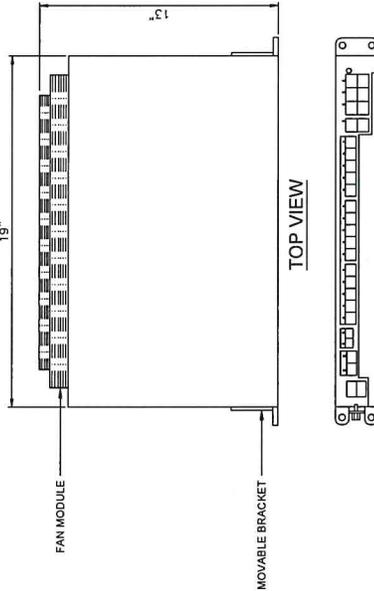
Enclosure B160

MECHANICAL SPECIFICATION	
WEIGHT	295 LBS (EMPTY) 1845 LBS (MAX)
DIMENSION	63x26x26 IN. (INCL. BASE FRAME)
BASE FRAME HEIGHT	6 IN.
MATERIAL	GALVANIZED STEEL (180G/MF)
COLOUR	POWDER PAINT NCS 2002-B
DOOR	FRONT ACCESS
LOCKING TYPE	PAD LOCK/CYLINDER

1 B160 CABINET DETAIL
0-3 SCALE: N.T.S.

ERICSSON BASEBAND_6630

DIMENSION, WxDxH: 19"x13.6"x1.75"
 TOTAL WEIGHT: < 14.3 lbs
 CPRI SUPPORT: 2.5 Gbps, 4.9 Gbps, and 10.1 Gbps



TOP VIEW

FRONT VIEW

3 ERICSSON BASEBAND_6630
0-3 SCALE: N.T.S.

Enclosure 6160 AC

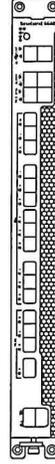


MECHANICAL SPECIFICATION	
WEIGHT	320 LBS (EMPTY)
DIMENSION	1500 LBS (MAXIMUM LOADING)
BASE FRAME HEIGHT	63x26x26 IN. (INCL. BASE FRAME)
BASE FRAME HEIGHT	6 IN.
ENCLOSURE MATERIAL	ALUMINUM
ENCLOSURE MATERIAL	POWDER PAINT NCS 2002-B
DOOR	FRONT ACCESS
LOCKING TYPE	PAD LOCK OR CYLINDER

2 6160 CABINET DETAIL
0-3 SCALE: N.T.S.

ERICSSON BASEBAND UNIT_6648

DC POWER SUPPLY
 NOMINAL VOLTAGE: -48VDC
 TEMPERATURE: 0 TO + 55 DEG C
 DIMENSION: 19" W X 13.86"D
 WEIGHT: 16.53 lbs



4 ERICSSON BASEBAND_6648
0-3 SCALE: N.T.S.

Mobile
 stick together
 12050 BALTIMORE GLENNE
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 1392 HELLON ROAD, SUITE 140,
 HANOVER, MD 21076

Trylon
 1825 W. WALNUT HILL LANE, SUITE 302
 HANOVER, MD 21076
 1-855-669-5421



PRINTING SCALES ARE INTENDED FOR 11"x17" OR
 24"x36" SIZE PRINTED MEDIA ONLY.

SUBMITTALS		
REV	DATE	DESCRIPTION
A	09/11/20	90% CD
0	09/07/20	100% CD

SITE INFORMATION

SITE NAME:
 TOWN OF WESTMINSTER - WT

SITE NUMBER:
 7BAN231A

SITE ADDRESS:
 41ST STREET
 WESTMINSTER, MD 21157

SHEET DESCRIPTION

DETAILS

SHEET No.
 D-3



DRAWING SCALES ARE INTENDED FOR 11"X17" OR 24"X36" SIZE PRINTED MEDIA ONLY.

SUBMITTALS		
REV	DATE	DESCRIPTION
A	04/21/23	90% CD
B	06/07/23	100% CD
		REV

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER — WT

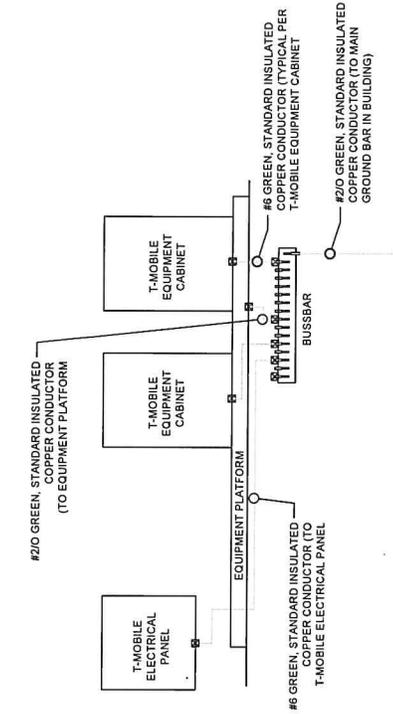
SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

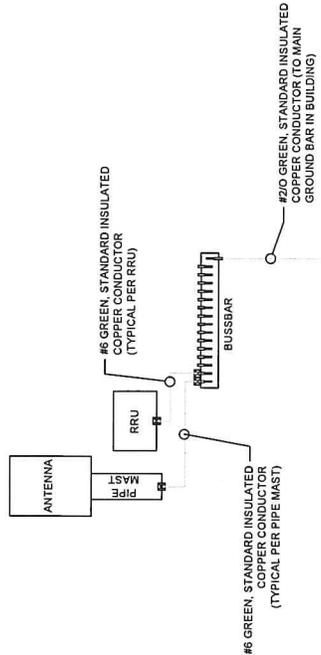
SHEET DESCRIPTION

GROUNDING DETAILS

SHEET No.
E-2



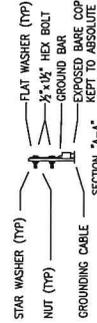
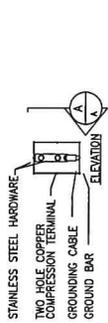
1. TYPICAL GROUNDING DIAGRAM
E-2 SCALE: N.T.S.



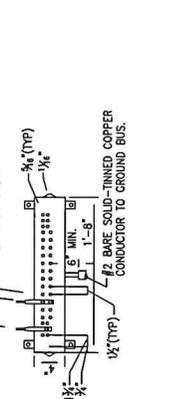
2. GROUND BAR CONNECTION DETAIL
E-2 SCALE: N.T.S.

NOTES:

- HARDWARE STAINLESS STEEL COAT ALL SURFACES WITH KOPR-SHIELD.
- ALL HARDWARE TO BE GALVANNEAL OR BOND TO STEEL ONLY. INSERT A TOOTH WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH KOPR-SHIELD.
- ALL HOLES ARE COUNTERSUNK 1/4".



WORK WITH LONG BARREL COMPRESSION LUGS. USE STAR WASHERS, LOCKWASHERS, AND STAINLESS STEEL HARDWARE TO SECURE TO EXTERNAL GROUND BAR BY GENERAL CONTRACTOR. NEW COAXIAL GROUND KITS WITH LONG BARREL COMPRESSION LUGS WITH TWO (2) 3/8" BOLTS AND LOCK WASHERS SIMILAR TO ANDREW 3241088-9. COPPER GROUND BAR





CHANGING SCALE AND METHOD FOR 11" x 17" OR 8 1/2" x 11" SIZE PRINTED MEDIUM ONLY.

SUBMITTALS			
REV	DATE	DESCRIPTION	BY
A	06/01/20	90% CD	RC
B	08/07/20	100% CD	KZ

SITE INFORMATION

SITE NAME:
TOWN OF WESTMINSTER -- WT

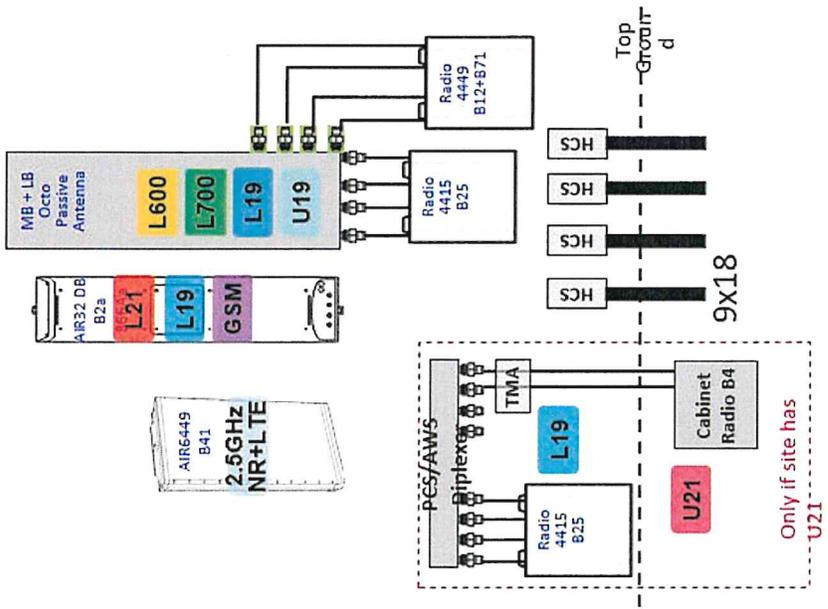
SITE NUMBER:
7BAN231A

SITE ADDRESS:
41ST STREET
WESTMINSTER, MD 21157

SHEET DESCRIPTION
RF PLUMBING DIAGRAM

SHEET No.
E-3

Final Config: 67D5A997DB



1 RF PLUMBING DIAGRAM
E-3 SCALE: N.T.S.