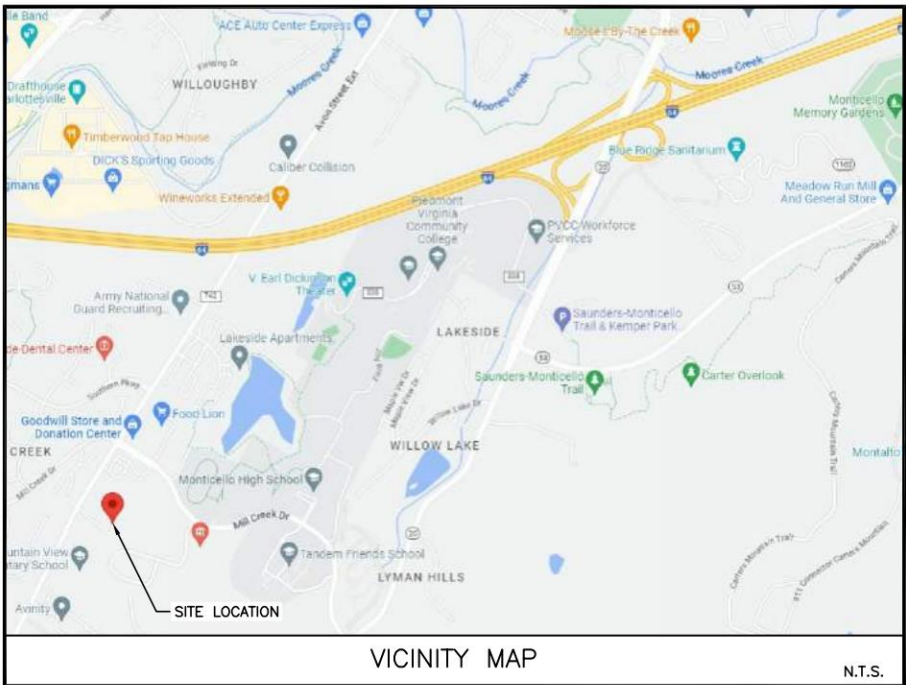




AVON  
1739 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

DIRECTIONS FROM GOODES BRIDGE SWITCH (2501 GOODES BRIDGE RD., RICHMOND, VA 23224):  
HEAD NORTH ON GOODES BRIDGE RD. 0.4 MI, TURN RIGHT ONTO US-360E. 0.2 MI, MERGE ONTO VA-150N/CHIPPENHAM PKWY VIA THE RAMP TO I95N/POWHITE PKWY. 0.1 MI, MERGE ONTO VA-150N/CHIPPENHAM PKWY. 3.2 MI, USE THE RIGHT 2 LANES TO MERGE ONTO VA-76N/POWHITE PKWY. 0.8 MI, KEEP LEFT TO CONTINUE ON VA-76N. 1.8 MI, KEEP LEFT AT THE FORK TO STAY ON VA-76N. 0.9 MI, CONTINUE ONTO I-195N. 2.2 MI, USE THE LEFT 2 LANE TO TAKE THE I-64W EXIT TOWARD CHARLOTTESVILLE. 0.6 MI, MERGE ONTO I-64. 64.2 MI, TAKE EXIT 121 TOWARD VA-20S. 0.2 MI, TURN LEFT ONTO VA-20S. 1.5 MI, TURN RIGHT ONTO MILL CREEK DR. 0.8 MI, TURN LEFT ONTO AVON STREET EXT. 0.2 MI, TURN LEFT. 499 FT, ARRIVE AT DESTINATION.

DIRECTIONS



E911 ADDRESS YES ☒ NO ☐

PROJECT DESCRIPTION  
UPGRADE OF ANTENNAS AND ASSOCIATED  
EQUIPMENT IN AN EXISTING WIRELESS COMPOUND



EMERGENCY INFO:

JURISDICTION:  
ALBEMARLE COUNTY  
LOCAL FIRE AND RESCUE:  
434.296.5833  
LOCAL POLICE:  
434.296.5807

PROJECT TEAM

REAL ESTATE: EMILY DA SILVA	PHONE NUMBER: 804.852.8089
CONSTRUCTION: JON KIRBY	PHONE NUMBER: 540.280.9630

REV. NO.	DESCRIPTION	BY	DATE	REV. NO.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	LMW	04/05/23				
1	ZONING COMMENTS	LMW	04/13/23				

A & E CONSULTING TEAM

ARCHITECTURE AND ENGINEERING:  
DEWBERRY ENGINEERS INC.  
4805 LAKE BROOK DRIVE, SUITE 200  
GLEN ALLEN, VA 23060

PHONE # 804.205.3348  
CONTACT: HILLARY SIEGALL, P.E.: VA

PHONE # 540.926.3857  
CONTACT: JUSTIN YOON, P.E.: MD, DC, VA, WV, NC, FL,  
LEED AP

PHONE # 804.205.3353  
CONTACT: BRAD ROSE, SENIOR PROJECT MANAGER

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE GOVERNING AUTHORITIES.

- 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2017 NATIONAL ELECTRIC CODE (NEC)
- 2018 NFPA 101, LIFE SAFETY CODE
- MANUAL OF STEEL CONSTRUCTION, 14th EDITION
- AMERICAN CONCRETE INSTITUTE
- ANSI/TIA-222-H
- ANTENNA SUPPORTING STRUCTURES AND ANTENNAS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE IBC 2018 SECTION 1609 WIND LOADS, EXCEPTION #5 REFERENCING TIA-222
- LOCAL BUILDING CODE
- CITY/COUNTY ORDINANCES

PROJECT SUMMARY

PROPERTY OWNER:  
ALBEMARLE COUNTY  
SERVICE AUTHORITY  
168 SPOTNAP ROAD  
CHARLOTTESVILLE, VA 22911

TOWER OWNER:  
AMERICAN TOWER CORPORATION  
116 HUNTINGTON AVE. 11TH FLOOR  
BOSTON, MA 02116

PROJECT INFO:  
CANDIDATE NAME: AVON  
PROJECT TYPE: 5G L-SUB6 - CARRIER ADD  
FUZE PROJECT ID#: 16824886

APPLICANT INFO:  
VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222  
PHONE: 804.306.0275  
CONTACT: BROCK SMITH

PROJECT DATA:  
ZONING: R1  
PARCEL ID: 09100-00-00-00100  
TAX MAP: 1089/670  
ACREAGE: 10.53 AC  
JURISDICTION: ALBEMARLE COUNTY  
SITE TYPE: EMBEDDED BASE UPGRADE  
TOWER TYPE: MONOPOLE  
OVERALL/STRUCTURE HEIGHT: 89'

CENTER OF EXISTING TOWER\*:  
LATITUDE: 37° 59' 52.30" N / 37.997861  
LONGITUDE: 78° 29' 52.90" W / -78.498028  
ELEVATION: 612' AMSL  
\*PER RFDS BY VERIZON WIRELESS DATED FEBRUARY 02, 2023 AND GOOGLE EARTH

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

A.D.A. COMPLIANCE:  
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

AVON

ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING



Dewberry Engineers Inc.  
4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com



DRAWN BY: LMW

REVIEWED BY: JYY

CHECKED BY: JYY

PROJECT NUMBER: 50160159

SITE ADDRESS:

1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH VERIZON WIRELESS SPECIFICATIONS.
2. CONTRACTOR SHALL CONTACT "MISS UTILITY" (1-800-552-7001) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
4. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
5. DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
6. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
7. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
9. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
10. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
11. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
12. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER.
13. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
14. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR WILL NOTIFY ENGINEER, VERIZON WIRELESS PROJECT CONSTRUCTION MANAGER, AND LANDLORD IMMEDIATELY.
15. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
16. ALL ROOF WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED ROOFING CONTRACTOR IN COORDINATION WITH ANY CONTRACTOR WARRANTING THE ROOF TO ENSURE THAT THE WARRANTY IS MAINTAINED.
17. CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
18. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
19. CONTRACTOR SHALL FURNISH VERIZON WIRELESS WITH THREE AS-BUILT SETS OF DRAWINGS UPON COMPLETION OF WORK.
20. ANTENNAS AND CABLES ARE TYPICALLY PROVIDED BY VERIZON WIRELESS. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH VERIZON WIRELESS PROJECT MANAGER TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED BY VERIZON WIRELESS. ALL ITEMS NOT PROVIDED BY VERIZON WIRELESS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY VERIZON WIRELESS.
21. PRIOR TO SUBMISSION OF BID, CONTRACTOR WILL COORDINATE WITH VERIZON WIRELESS PROJECT MANAGER TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY VERIZON WIRELESS. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
22. GENERAL CONTRACTOR SHALL HAVE A LICENSED HVAC CONTRACTOR START THE HVAC UNITS, SYNCHRONIZE THE THERMOSTATS, ADJUST ALL SETTINGS ON EACH UNIT ACCORDING TO VERIZON WIRELESS CONSTRUCTION MANAGER'S SPECIFICATIONS, AND THOROUGHLY TEST AND BALANCE EACH UNIT TO ENSURE PROPER OPERATION PRIOR TO TURNING THE SITE OVER TO OWNER.
23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS AND REQUIREMENTS.
24. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
25. UNLESS OTHERWISE NOTED VERIZON WIRELESS SHALL PROVIDE ALL REQUIRED RF MATERIAL FOR CONTRACTOR TO INSTALL, INCLUDING ANTENNAS, TMA'S, BIAS-T'S, COMBINERS, PDU, DC BLOCKS, SURGE ARRESTORS, GPS ANTENNA, GPS SURGE ARRESTOR, COAXIAL CABLE.
26. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE PROVIDED BY VERIZON WIRELESS FOR INSTALLATION BY CONTRACTOR.
27. CONTRACTOR SHALL FURNISH AND INSTALL ANTENNA PLATFORM.
28. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON WIRELESS SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
29. EQUIPMENT CABINET FRAME/SHELTER SHALL BE ANCHORED TO FOUNDATION PER MANUFACTURER'S SPECIFICATIONS AND IN ACCORDANCE WITH STATE BUILDING CODE.
30. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT.
31. CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE; SEALING ANY FLOOR, WALL OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POST OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.
32. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
33. DETECTION WIRE SHALL BE BURIED DIRECTLY ABOVE NON-METALLIC PIPING AT A DISTANCE NOT TO EXCEED TWELVE (12) INCHES ABOVE THE TOP OF PIPE. THE WIRE SHALL EXTEND CONTINUOUSLY AND UNBROKEN FROM POINT OF ACCESS TO POINT OF ACCESS. THE ENDS OF THE WIRE SHALL TERMINATE WITH A MINIMUM OF THREE (3) FEET OF WIRE, COILED, REMAINING ACCESSIBLE AT TERMINATION POINTS. DETECTION WIRE SHALL BE 12 GAUGE FOR A BURIED DEPTH OF LESS THAN 4 FEET AND 4 GAUGE FOR A BURIED DEPTH GREATER THAN OR EQUAL TO 4 FEET.

DESIGN CRITERIA:

SEE MOUNT ANALYSIS, MOUNT MODIFICATION DESIGN (IF APPLICABLE), AND STRUCTURAL ANALYSIS.

EXISTING CONDITIONS

1. THE EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS IS PROVIDED FOR REFERENCE ONLY. EXISTING CONSTRUCTION, DIMENSIONS, LOCATIONS, ELEVATIONS, ETC. SHALL BE VERIFIED IN THE FIELD PRIOR TO REMOVAL OR MODIFICATION OF ANY EXISTING STRUCTURAL MEMBER AND/OR SHOP DRAWING PREPARATION, FABRICATION, AND CONSTRUCTION OF NEW WORK.
2. SHOULD EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THE CONTRACT DOCUMENTS, NOTIFY THE DESIGN PROFESSIONAL PRIOR TO CONTINUATION OF WORK.
3. EXISTING STRUCTURAL MEMBERS SHALL NOT BE CUT OR MODIFIED UNLESS SPECIFICALLY SHOWN HEREIN OR UNLESS APPROVED IN WRITING BY THE DESIGN PROFESSIONAL.
4. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING STRUCTURE AND ADJACENT STRUCTURES FROM DAMAGE DURING EXCAVATION, DEMOLITION, AND CONSTRUCTION OF NEW WORK.
5. IF EXISTING STRUCTURAL DOCUMENTS ARE NOT AVAILABLE FROM THE OWNER, VERIFY IN FIELD EXISTING CONDITIONS, STRUCTURAL MEMBER SIZES, AND LOCATIONS.

MEANS AND METHODS

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING MEANS AND METHODS FOR THE CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SCAFFOLDING, SHORING, UNDERPINNING, TEMPORARY BRACING, HOISTING, AND STORING OF MATERIALS OR EQUIPMENT ON THE EXISTING STRUCTURE, ETC.
3. THE CONTRACTORS ENGINEER SHALL REFER TO SITE STANDARDS AND GUIDELINES FOR ADDITIONAL REQUIREMENTS.
4. THE CONTRACTOR SHALL INSPECT, ASSESS, AND VERIFY THE EXISTING CONDITIONS AND EXTENT OF WORK PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION OF NEW WORK.
5. THE CONTRACTOR SHALL PROVIDE NECESSARY EQUIPMENT AND OTHER PERTINENT MATERIAL, INCLUDING BUT NOT LIMITED TO LADDERS, LIFTS AND OTHER CONSTRUCTION EQUIPMENT FOR THE COMPLETION OF THE WORK INDICATED ON THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL PROVIDE SAFETY AND FALL PROTECTION IN ACCORDANCE WITH OSHA REGULATIONS AND SITE SAFETY GUIDELINES.

STRUCTURAL STEEL FRAMING

1. THE STRUCTURE HAS BEEN DESIGNED IN CONFORMANCE WITH THE "ALLOWABLE STRENGTH DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC).
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING UNLESS OTHERWISE NOTED:

ASTM A992/A992M

ASTM A36/A36M

ASTM A36/A36M

ASTM A500, GRADE B Fy=46 KSI

ASTM A501 OR A53, TYPE E OR S

ASTM A36/A36M

ASTM F1554/F1554, Fy=36 KSI

WIDE FLANGE CHANNELS

ANGLES AND PLATES

HOLLOW STRUCTURAL SECTIONS

STEEL PIPE

THREADED RODS

ANCHOR BOLTS
3. BOLTS SHALL COMPLY WITH ASTM A325 OR A490. NUTS AND WASHERS SHALL BE COMPATIBLE WITH THE BOLT GRADE, HOLE SIZE, CONNECTION TYPE AND INSTALLATION METHOD AS INDICATED IN "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
4. CONNECTIONS SHALL BE BOLTED WITH 3/4 INCH DIAMETER A325-X HIGH STRENGTH BOLTS OR WELDED, UNLESS OTHERWISE NOTED. MINIMUM CONNECTIONS SHALL BE DESIGNED TO SUPPORT NOT LESS THAN 6 KIPS IN ANY DIRECTION. PROVIDE A MINIMUM OF TWO (2) BOLTS PER CONNECTION SPACED AT 3 INCHES ON CENTER VERTICAL.
5. WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE - STEEL". WELDING SHALL BE DONE BY QUALIFIED WELDERS CERTIFIED IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STANDARD QUALIFICATION PROCEDURE" AND AWS D1.3, "STRUCTURAL WELDING CODE - STRUCTURAL STEEL". WELDING ELECTRODES SHALL BE E70XX. FILLET WELDS SHALL BE NO LESS THAN 1/4 INCH AND SHALL COMPLY WITH AISC.
6. STEEL SHOP DRAWINGS AND FABRICATION SHALL CONFORM TO THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
7. STRUCTURAL STEEL SHOP DRAWINGS, INCLUDING CONNECTIONS, SHALL BE PREPARED UNDER THE DIRECTION OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE WHERE THE CONSTRUCTION IS LOCATED. THE ENGINEER, EMPLOYED BY THE CONTRACTOR, SHALL PREPARE A SIGNED AND SEALED LETTER OF CERTIFICATION STATING THAT THE STRUCTURAL STEEL SHOP DRAWINGS, INCLUDING CONNECTIONS, HAVE BEEN PREPARED UNDER THEIR DIRECTION. THE CERTIFICATION LETTER SHALL BE SUBMITTED TO THE OWNER'S ENGINEER OF RECORD PRIOR TO THE SUBMITTAL OF THE STRUCTURAL STEEL SHOP DRAWINGS. SHOP DRAWINGS WILL NOT BE REVIEWED BY THE OWNER'S ENGINEER OF RECORD WITHOUT THE RECEIPT AND ACCEPTANCE OF THE CERTIFICATION LETTER.
8. STRUCTURAL STEEL FABRICATION SHALL BE PERFORMED BY AN ORGANIZATION EXPERIENCED IN STRUCTURAL FABRICATION OF EQUIVALENT MAGNITUDE TO THIS PROJECT, AND HAS AN AISC CERTIFICATION FOR STRUCTURAL STEELWORK. PROVIDE, WITH THE BID, A COPY OF THE AISC CERTIFICATE INDICATING THAT THE FABRICATION PLANT MEETS AISC CATEGORY STD CERTIFICATION. IN LIEU OF AN AISC CERTIFICATION, THE FABRICATOR MAY SUBMIT DOCUMENTATION OF EQUIVALENT EXPERIENCE IN THE FABRICATION OF THE ITEM OR ITEMS IN QUESTION, FOR REVIEW AND APPROVAL BY THE OWNER'S ENGINEER OF RECORD.
9. STRUCTURAL STEEL EXPOSED TO WEATHER SHALL BE PREPPED BY COMMERCIAL BLAST CLEANING THEN HOT-DIPPED GALVANIZED.
10. SPlicing OF STRUCTURAL STEEL SECTIONS, NOT INDICATED ON CONTRACT DOCUMENTS, IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
11. HOLLOW STRUCTURAL SECTIONS SHALL HAVE A 3/8 INCH CAP PLATE, UNLESS OTHERWISE NOTED.
12. PROVIDE 3/8 INCH THICK MINIMUM WELDED STIFFENER PLATE ON BOTH SIDES OF THE WEB OF BEAMS AT POINT OF CONCENTRATED LOADS SUCH AS BEAMS SUPPORTING COLUMNS/POSTS OR RUNNING OVER TOPS OF COLUMNS, POSTS, OR OTHER BEAMS.
13. STEEL FABRICATOR IS SOLELY RESPONSIBLE FOR SURVEYING AND VERIFICATION OF EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING WALLS AND FRAMING.



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

AVON

ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING



Dewberry Engineers Inc.

4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com



DRAWN BY:	LMW
REVIEWED BY:	JYY
CHECKED BY:	JYY
PROJECT NUMBER:	50160159
SITE ADDRESS:	

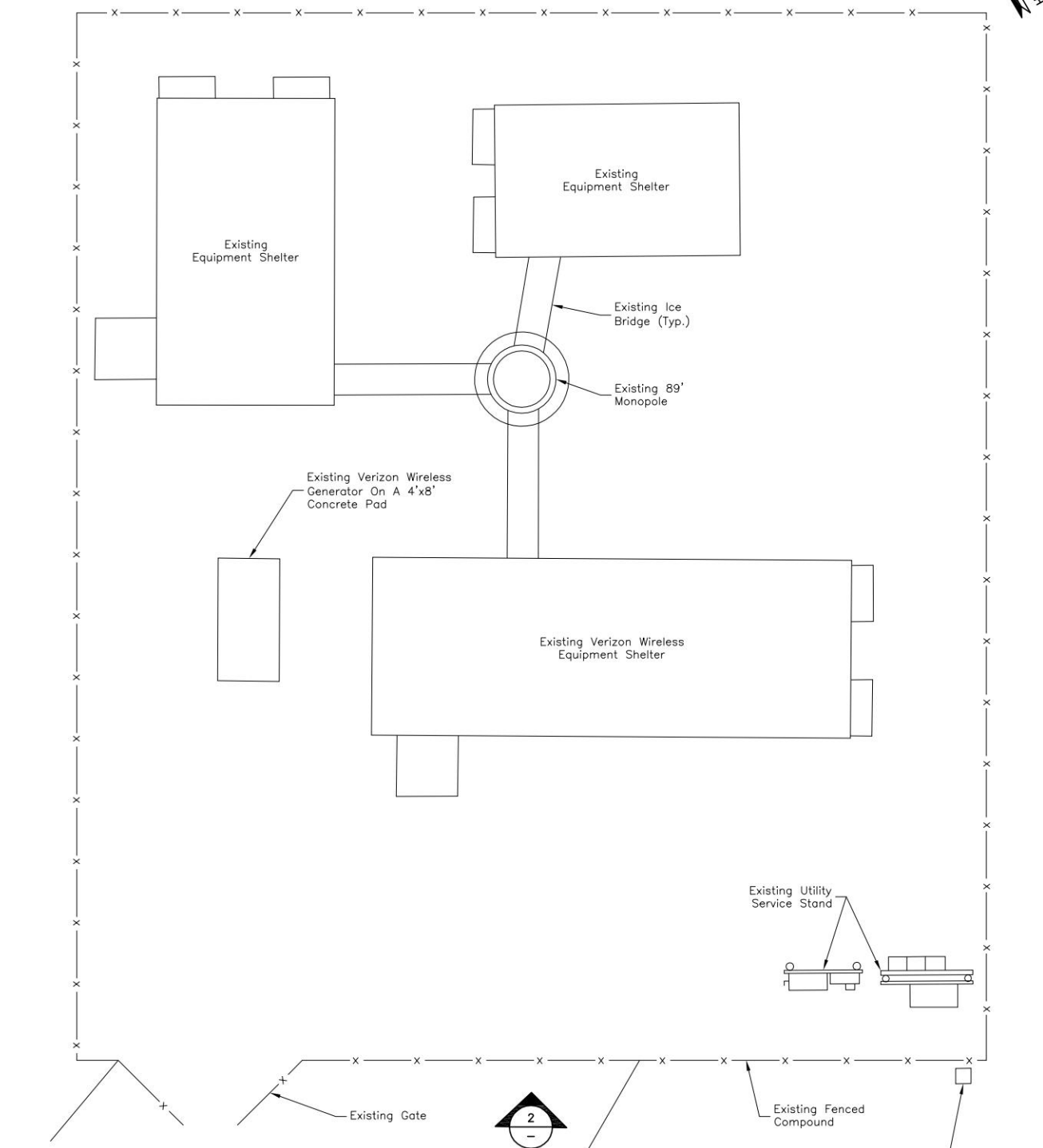
1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

SHEET TITLE

GENERAL NOTES

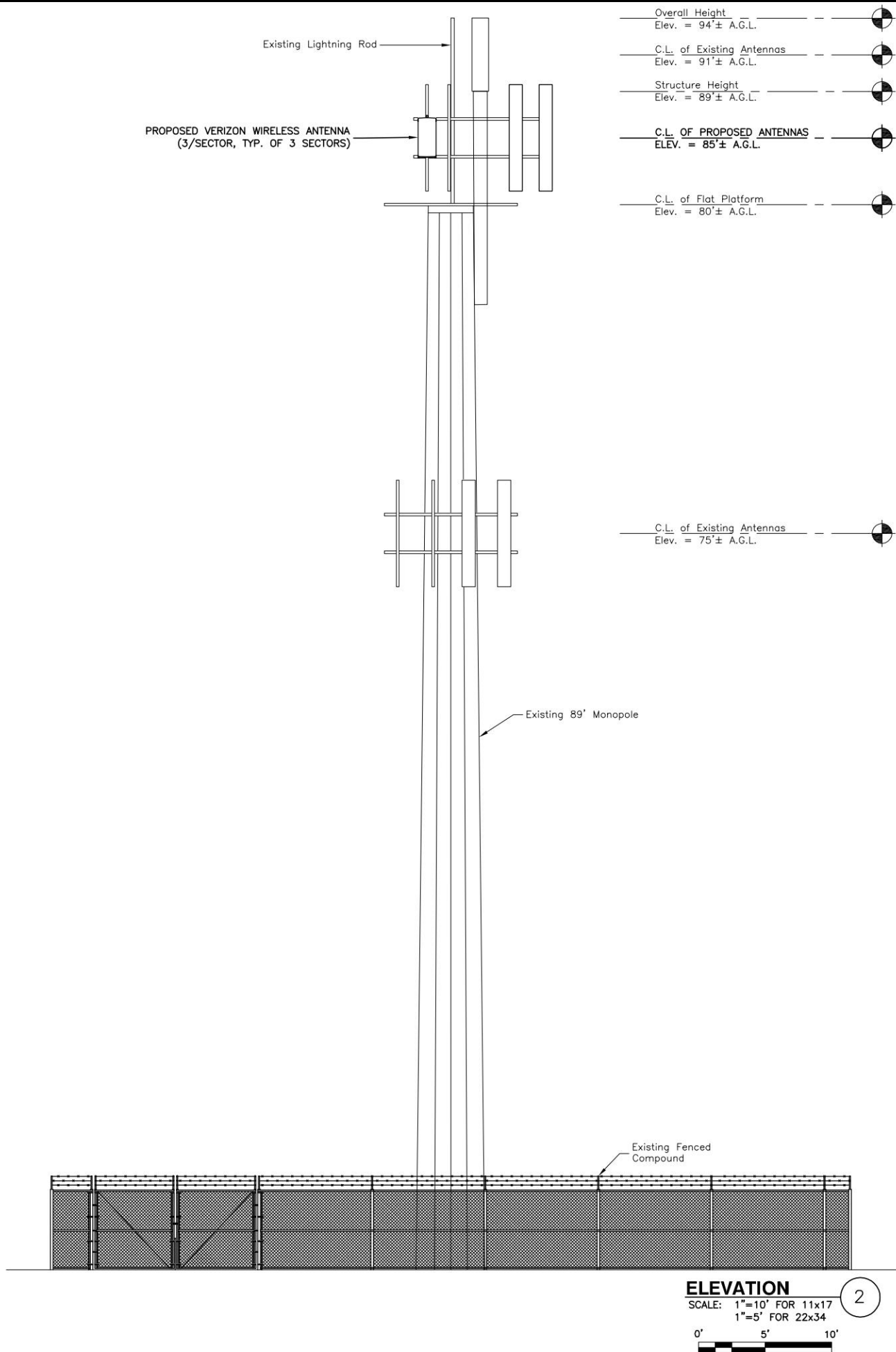
SHEET NUMBER

LEGEND	
	Existing Road/Compound Equipment
	Existing Chain Link Fence



- NOTES:
- SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
  - EXISTING CONDITIONS BASED ON CONSTRUCTION DRAWINGS PROVIDED BY CLARK NEXSEN DATED 02/27/2012 AND GOOGLE EARTH IMAGERY. DEWBERRY HAS NOT PERFORMED A SURVEY OR RESEARCHED THIS PARCEL.
  - A.G.L. — ABOVE GROUND LEVEL  
C.L. — CENTER LINE  
A.M.S.L. — ABOVE MEAN SEA LEVEL
  - ANTENNA, EQUIPMENT, & EASEMENTS SUBJECT TO CHANGE.
  - USE WEATHER TIGHT CONNECTIONS FOR ALL CONDUITS CONNECTING TO EQUIPMENT.
  - ALARM CONDUIT MUST END WITHIN 6" OF RRH PORT.
  - ALL CONDUITS AND COAX CABLES SHOULD BE SECURELY FASTENED TO THE UNISTRUT, CABLE TRAYS, OR WALL MOUNTS.
  - AZIMUTHS ARE SHOWN PER THE RF DESIGN AT THE TIME OF SITE PLANS. CONTRACTOR IS TO CONFIRM EQUIPMENT AND AZIMUTHS WITH THE LATEST RFDS PRIOR TO INSTALLATION.

**SITE PLAN**  
SCALE: 1"=10' FOR 11x17  
1"=5' FOR 22x34



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

**AVON**

ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING

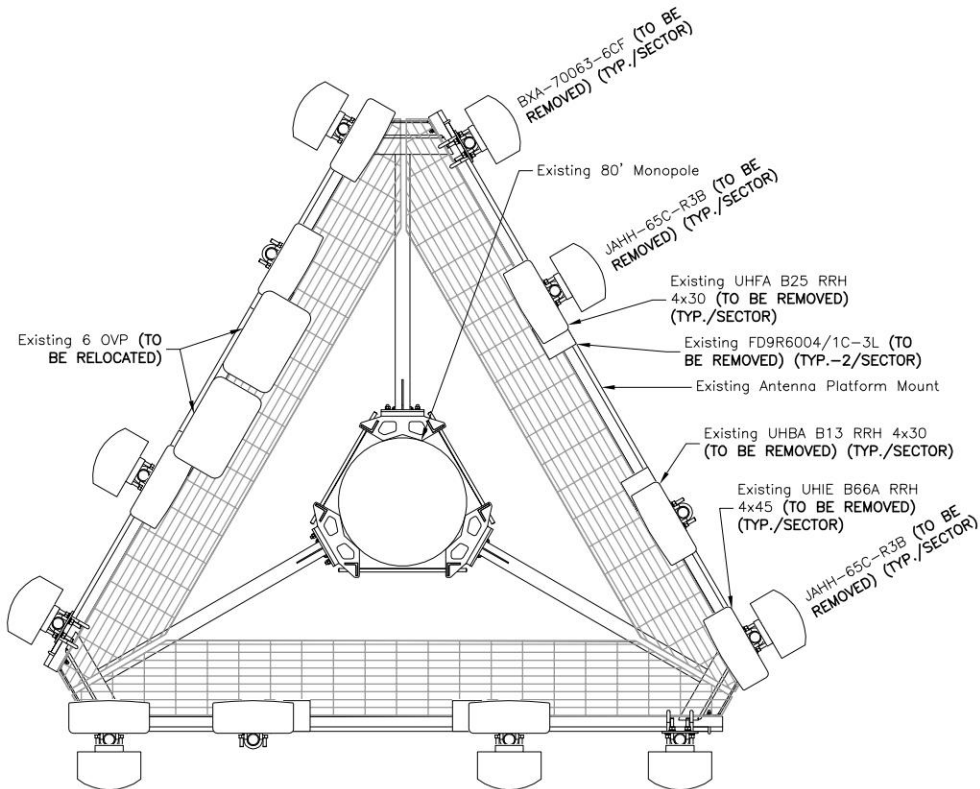
Dewberry Engineers Inc.  
4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com

DRAWN BY:	LMW
REVIEWED BY:	JYY
CHECKED BY:	JYY
PROJECT NUMBER:	50160159
SITE ADDRESS:	

1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

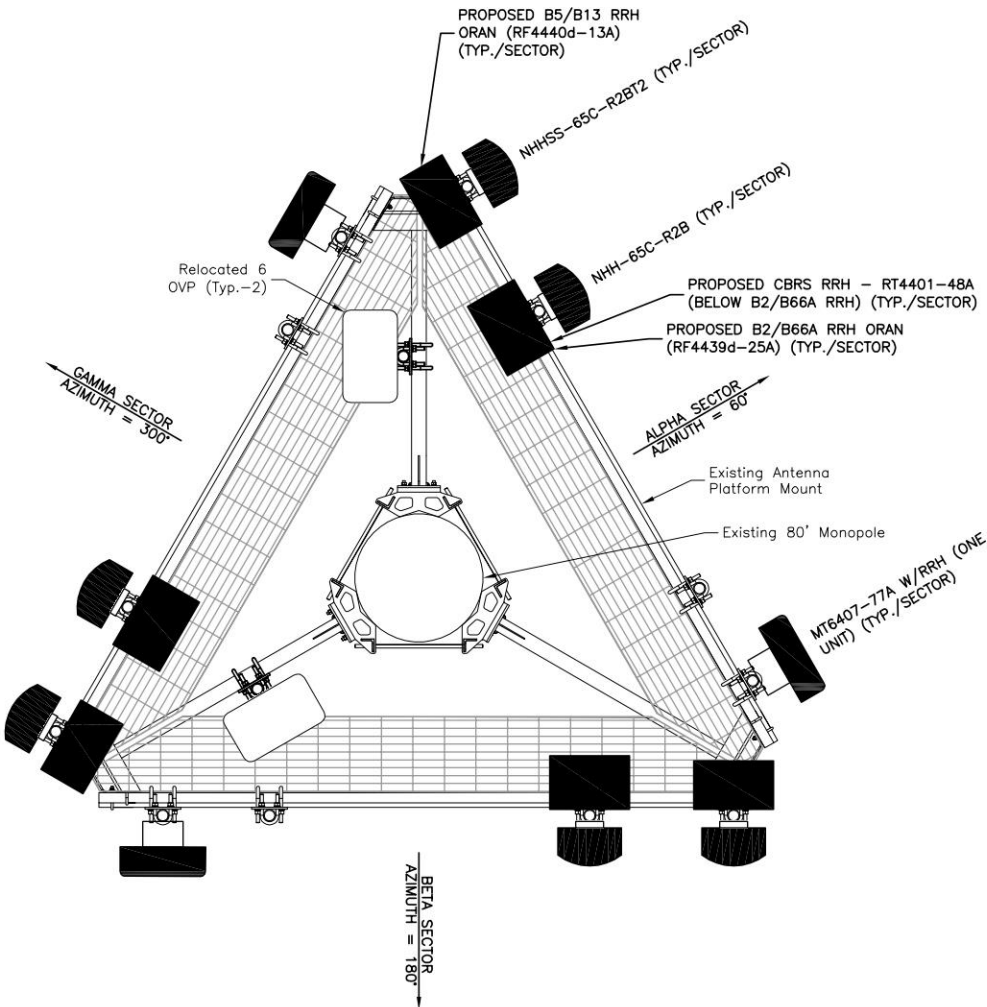
SHEET TITLE
SITE PLAN & ELEVATION
SHEET NUMBER

Z-1



EXISTING ANTENNA MOUNT DETAIL 1  
N.T.S

NOTE:  
EXISTING EQUIPMENT LAYOUT BASED ON MOUNT MAPPING REPORT BY TOWER ENGINEERING SOLUTIONS LLC DATED 10/07/2022, IN CONJUNCTION WITH LATEST VERIZON WIRELESS RFDS.  
PROPOSED EQUIPMENT LAYOUT BASED ON MOUNT ANALYSIS PREPARED BY TOWER ENGINEERING SOLUTIONS LLC DATED 03/30/23, IN CONJUNCTION WITH LATEST VERIZON WIRELESS RFDS.



PROPOSED ANTENNA MOUNT DETAIL 2  
N.T.S

## EQUIPMENT SCHEDULE

EXISTING			PROPOSED			FINAL		
QTY	RAD C/L	ANTENNA MODEL #	QTY	RAD C/L	ANTENNA MODEL #	QTY	RAD C/L	ANTENNA MODEL #
3	80'-0"	BXA-70063-6CF (TO BE REMOVED)	3	85'-0"	NHH-65C-R2B	3	85'-0"	NHH-65C-R2B
6	80'-0"	JAHH-65C-R3B (TO BE REMOVED)	3	85'-0"	NHHSS-65C-R2BT2	3	85'-0"	NHHSS-65C-R2BT2
3	80'-0"	UHBA B13 RRH 4x30 (TO BE REMOVED)	3	85'-0"	MT6407-77A W/RRH (ONE UNIT)	3	85'-0"	MT6407-77A W/RRH (ONE UNIT)
3	80'-0"	UHFA B25 RRH 4x30 (TO BE REMOVED)	3	85'-0"	B2/B66A RRH ORAN (RF4439d-25A)	3	85'-0"	B2/B66A RRH ORAN (RF4439d-25A)
3	80'-0"	UHIE B66A RRH 4X45 (TO BE REMOVED)	3	85'-0"	B5/B13 RRH ORAN (RF4440d-13A)	3	85'-0"	B5/B13 RRH ORAN (RF4440d-13A)
12	80'-0"	1-5/8" Coax (TO BE REMOVED)	3	85'-0"	CBRS RRH - RT4401-48A	3	85'-0"	CBRS RRH - RT4401-48A
6	80'-0"	FD9R6004/1C-3L (TO BE REMOVED)				2	85'-0"	6x12 HYBRIFLEX
2	80'-0"	6x12 Hybriflex (TO REMAIN)				2	85'-0"	6 OVP
2	80'-0"	6 OVP (TO BE RELOCATED)						

### NOTES:

- SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
- A.G.L. - ABOVE GROUND LEVEL  
C.L. - CENTER LINE  
A.M.S.L. - ABOVE MEAN SEA LEVEL
- ANTENNA, EQUIPMENT, & EASEMENTS SUBJECT TO CHANGE.
- USE WEATHER TIGHT CONNECTIONS FOR ALL CONDUITS CONNECTING TO EQUIPMENT.
- ALARM CONDUIT MUST END WITHIN 6" OF RRH PORT.
- ALL CONDUITS AND COAX CABLES SHOULD BE SECURELY FASTENED TO THE UNISTRUT, CABLE TRAYS, OR WALL MOUNTS.
- AZIMUTHS ARE SHOWN PER THE RF DESIGN AT THE TIME OF SITE PLANS. CONTRACTOR IS TO CONFIRM EQUIPMENT AND AZIMUTHS WITH THE LATEST RFDS PRIOR TO INSTALLATION.



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

AVON

### ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING



Dewberry Engineers Inc.  
4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com



DRAWN BY: LMW

REVIEWED BY: JYY

CHECKED BY: JYY

PROJECT NUMBER: 50160159

SITE ADDRESS:

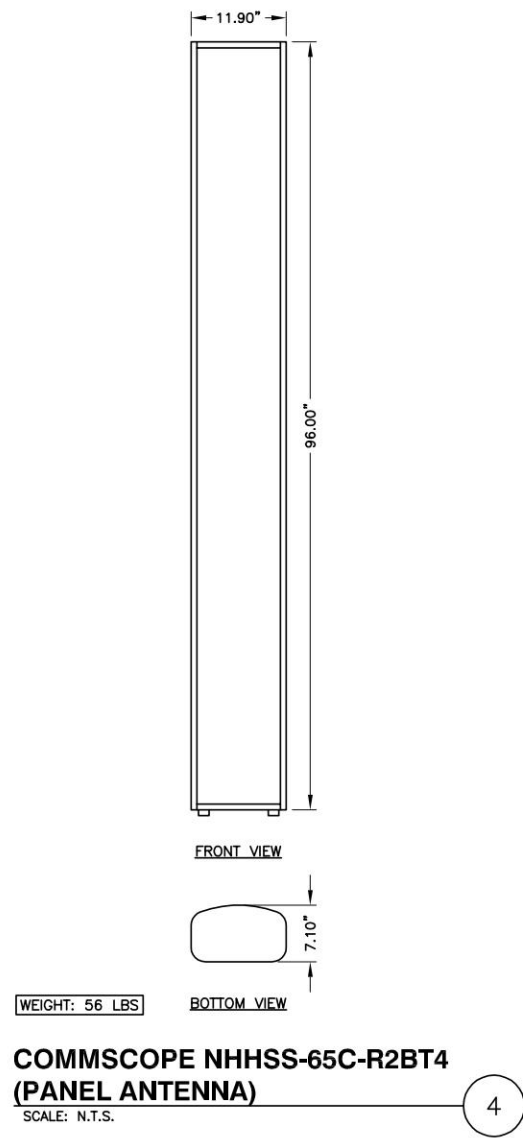
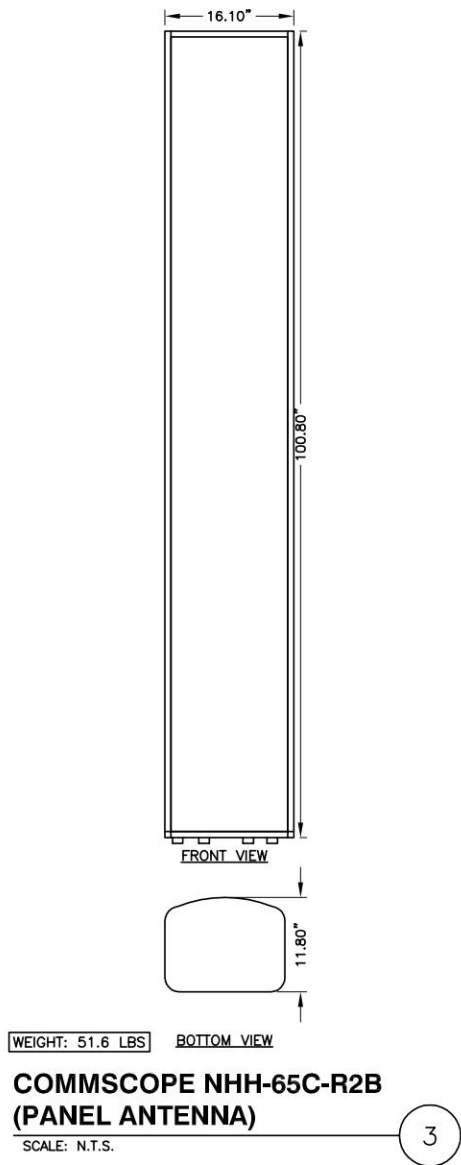
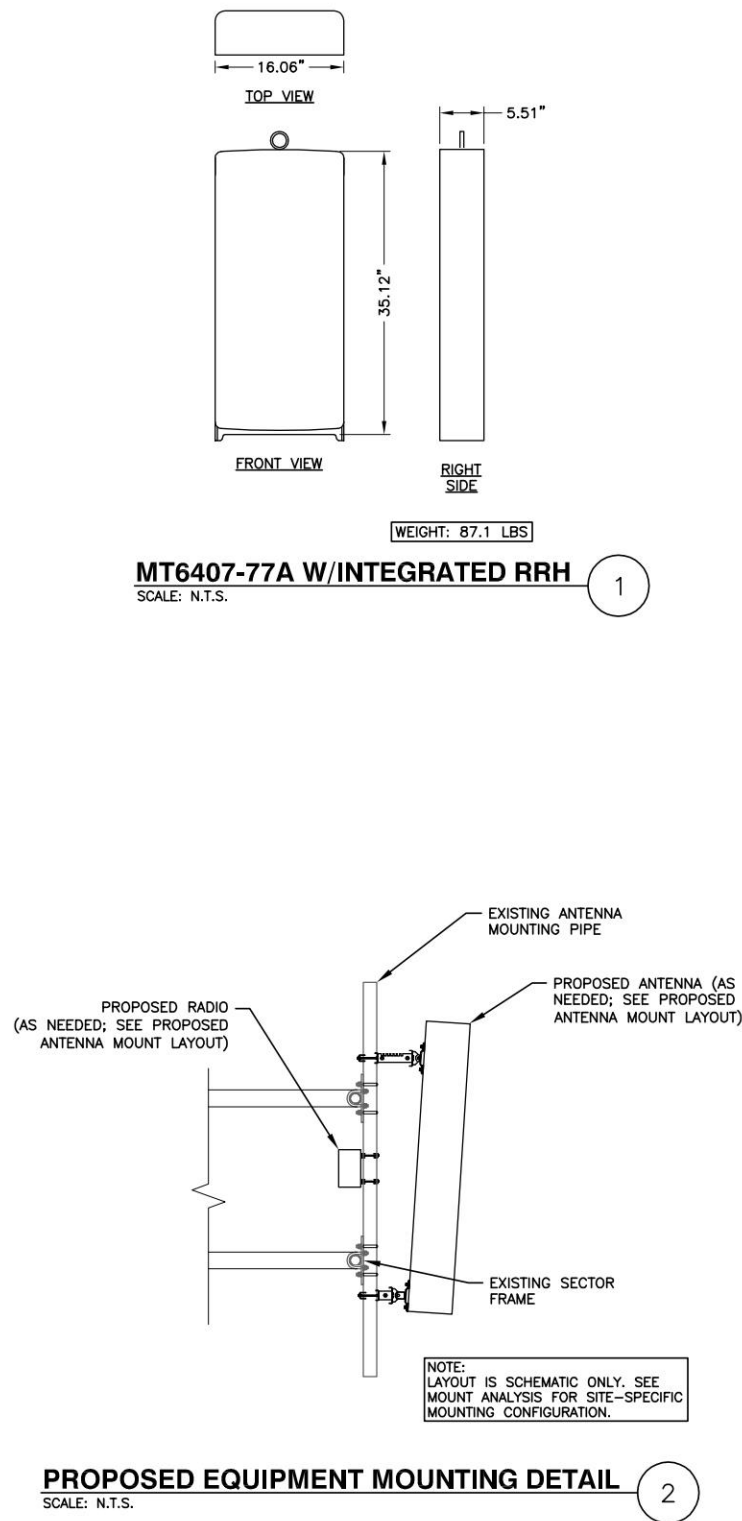
1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

SHEET TITLE

EXISTING & PROPOSED  
ANTENNA CONFIGURATION

SHEET NUMBER

Z-2



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

AVON

#### ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING



Dewberry Engineers Inc.  
4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com



DRAWN BY:	LMW
REVIEWED BY:	JYY
CHECKED BY:	JYY
PROJECT NUMBER:	50160159
SITE ADDRESS:	

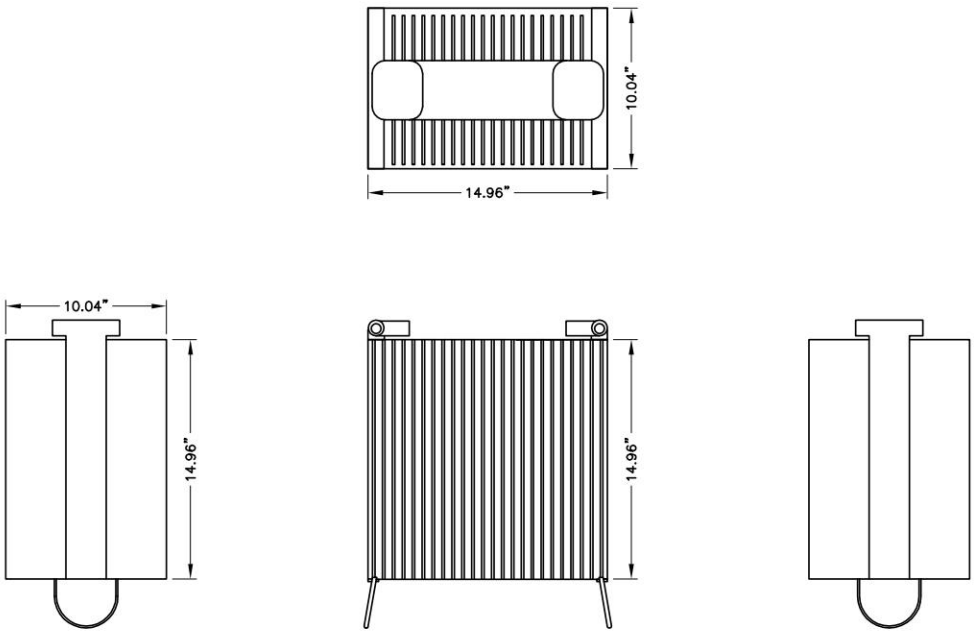
1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

SHEET TITLE

EQUIPMENT DETAILS

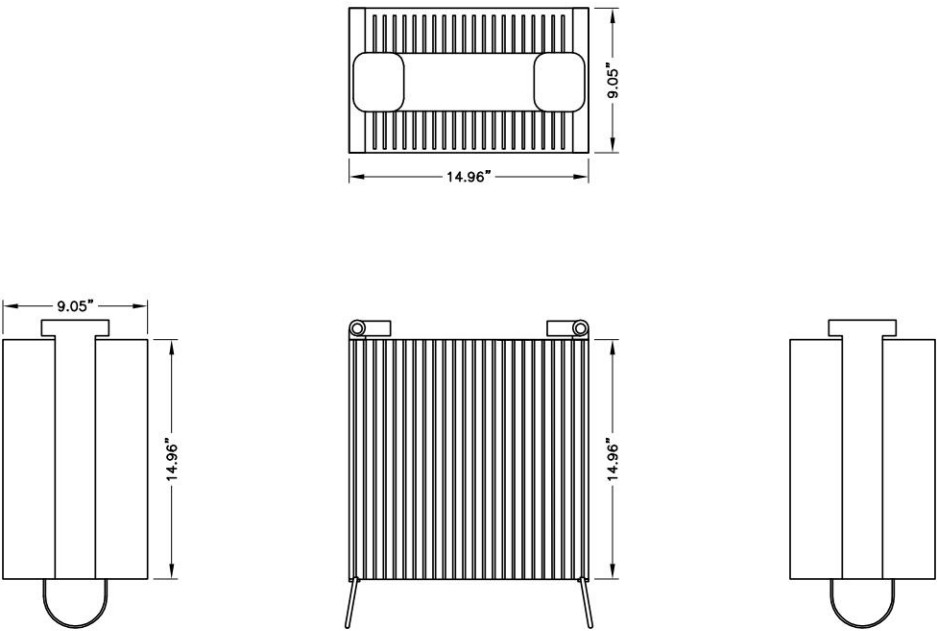
SHEET NUMBER

C-3



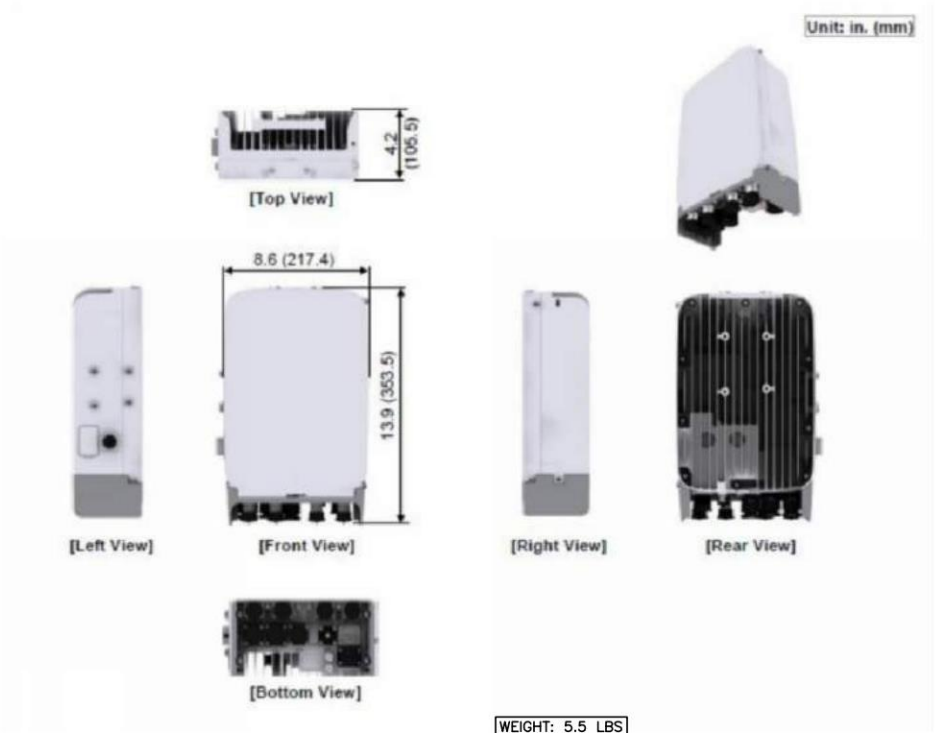
WEIGHT: 74.7 LBS  
**SAMSUNG B2/B66A RRH ORAN (RF4439d-25A)**  
SCALE: N.T.S.

1



WEIGHT: 70.3 LBS  
**SAMSUNG B5/B13 RRH ORAN (RF4440d-13A)**  
SCALE: N.T.S.

2



WEIGHT: 5.5 LBS  
**SAMSUNG LTE CBRs RT4401-48A**  
SCALE: N.T.S.

3



VERIZON WIRELESS  
1831 RADY COURT  
RICHMOND, VA 23222

AVON

ZONING DRAWINGS

1	04/13/23	ZONING COMMENTS
0	04/05/23	FOR ZONING



Dewberry Engineers Inc.  
4805 Lake Brook Drive, Suite 200  
Glen Allen, VA 23060  
Phone: 804.290.7957  
Fax: 804.290.7928  
www.dewberry.com



DRAWN BY: LMW

REVIEWED BY: JYY

CHECKED BY: JYY

PROJECT NUMBER: 50160159

SITE ADDRESS:

1737 AVON STREET EXT  
CHARLOTTESVILLE, VA 22902

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER