



SITE NAME: GREENBRIAR PARK
5G L-SUB6 - CARRIER ADD

1012 RIO ROAD EAST
CHARLOTTESVILLE, VA 22901
ALBEMARLE COUNTY

SITE INFORMATION

PROJECT DESCRIPTION:

PROJECT CONSISTS OF REMOVING (3) ANTENNAS & (6) RRU'S FOLLOWED BY INSTALLING (6) ANTENNAS, (3) INTEGRATED ANTENNA/RRU'S, (9) RRU'S ON TOWER & UPCONVERTERS WITH CORRESPONDING EQUIPMENT AS LISTED IN RFDS TO EXITING SHELTER. THE FINAL TOWER CONFIGURATION WILL BE (6) ANTENNAS, (3) INTEGRATED ANTENNA/RRU'S, (9) RRU'S, (2) HYBRID CABLES, & (2) OVPs.

SITE ADDRESS:

1012 RIO ROAD EAST
CHARLOTTESVILLE, VA 22901

LATITUDE (NAD 83):

38° 03' 46.99"

LONGITUDE (NAD 83):

-78° 27' 53.15"

GROUND ELEVATION:

451' ± (AMSL)

JURISDICTION:

ALBEMARLE COUNTY

ZONING:

R-4

PARCEL ID:

06100-00-00-153A1

PARCEL AREA:

4.23 ACRES

PARCEL OWNER:

CITY CHURCH CVILLE, INC
1010 RIO ROAD EAST
CHARLOTTESVILLE VA, 2290

TOWER OWNER:

VERIZON WIRELESS
1831 RADY COURT
RICHMOND, VA 23222

STRUCTURE TYPE:

MONOPOLE

STRUCTURE HEIGHT:

72'-7" ±AGL

RAD CENTER:

62' AGL AND 67' AGL

TOTAL LEASE AREA:

1200.0 SQ FT

POWER PROVIDER:

DOMINION VA POWER (866) 366-4357

TELCO PROVIDER:

VERIZON (800) 837-4966

EMERGENCY INFORMATION:

FIRE & RESCUE DEPARTMENT:

(434) 970-3240

POLICE DEPARTMENT:

(434) 970-3280

VICINITY MAP

DIRECTIONS

FROM 2501 GOODES B RIDGE RD RICHMOND, VA 23229: HEAD NORTH ON GOODES BRIDGE RD TOWARD ELK RD. TURN RIGHT ONTO US-360 E / HULL STREET RD. TAKE THE RAMP ON THE RIGHT FOR I-95 NORTH / VA-150 NORTH AND HEAD TOWARD HOSPITAL / POWHITE PKWY. TAKE THE RAMP ON THE RIGHT AND FOLLOW SIGNS FOR VA-76 NORTH. KEEP STRAIGHT TO GET ONTO I-195 N. KEEP STRAIGHT TO GET ONTO I-64 W. AT EXIT 124, HEAD RIGHT ON THE RAMP FOR US-250 TOWARD CHARLOTTESVILLE. TURN RIGHT ONTO US-250 W / RICHMOND RD TOWARD CHARLOTTESVILLE. PASS CARLOTZ CHARLOTTESVILLE IN 1.2 MI. TAKE THE RAMP ON THE RIGHT AND HEAD TOWARD JOHN W WARNER PKWY / MCINTIRE RD. TURN RIGHT ONTO JOHN W WARNER PKWY. BEAR RIGHT ONTO RIO RD E. THE SITE WILL BNE ON THE LEFT.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES.

- 2018 INTERNATIONAL BUILDING CODE
- 2017 NATIONAL ELECTRICAL CODE
- 2018 NFPA 101, LIFE SAFETY CODE
- 2018 INTERNATIONAL FIRE CODE (IFC)
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 15TH EDITION

- 2018 VIRGINIA CONSTRUCTION CODE
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELCORDIA GR-1275
- ANSI/T 311

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT:

HTTPS://PMI.VZWSMART.COM

SMART TOOL VENDOR PROJECT PROJECT NUMBER:

10146603

VERIZON LOCATION CODE (PSLC):

178975

*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED

NO

VERIZON APPROVED VENDORS

* REFER TO CONSTRUCTION DRAWINGS.

DRAWING INDEX

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TITLE SHEET

Z-1

SITE PLAN

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COMPOUND PLAN

C-2

ELEVATION

A-1

EQUIPMENT SCHEDULE

A-2

EQUIPMENT DETAILS

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPLICANT

APPLICANT:

VERIZON WIRELESS
1831 RADY COURT
RICHMOND, VA 23222
MEG BROWN
(804) 543-9908

ENGINEER

APPLICANT

1831 RADY COURT
RICHMOND, VA 23222

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NB+C PROJ. #100352
1012 RIO ROAD E
CHARLOTTESVILLE, VA 22901
ALBEMARLE COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
2	10/26/22	REVISED	KLB
1	08/25/22	FINAL ZDs	KLB
0	08/08/22	PRELIMINARY ZDs	LTA

PROFESSIONAL STAMP

ENGINEER

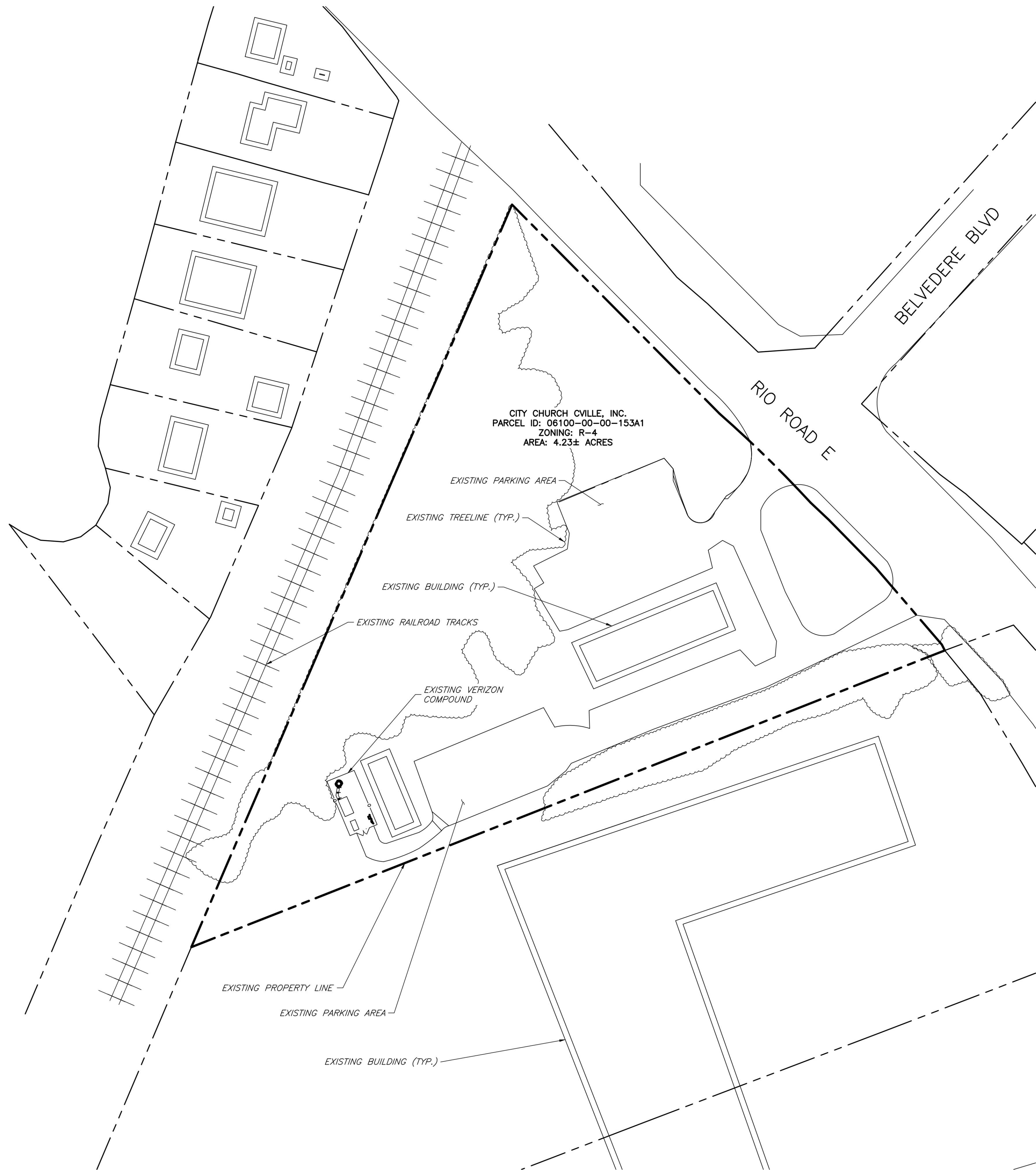
TRENT T. SNARR, P.E.
VA PROFESSIONAL ENGINEER LIC. #49978

SHEET TITLE

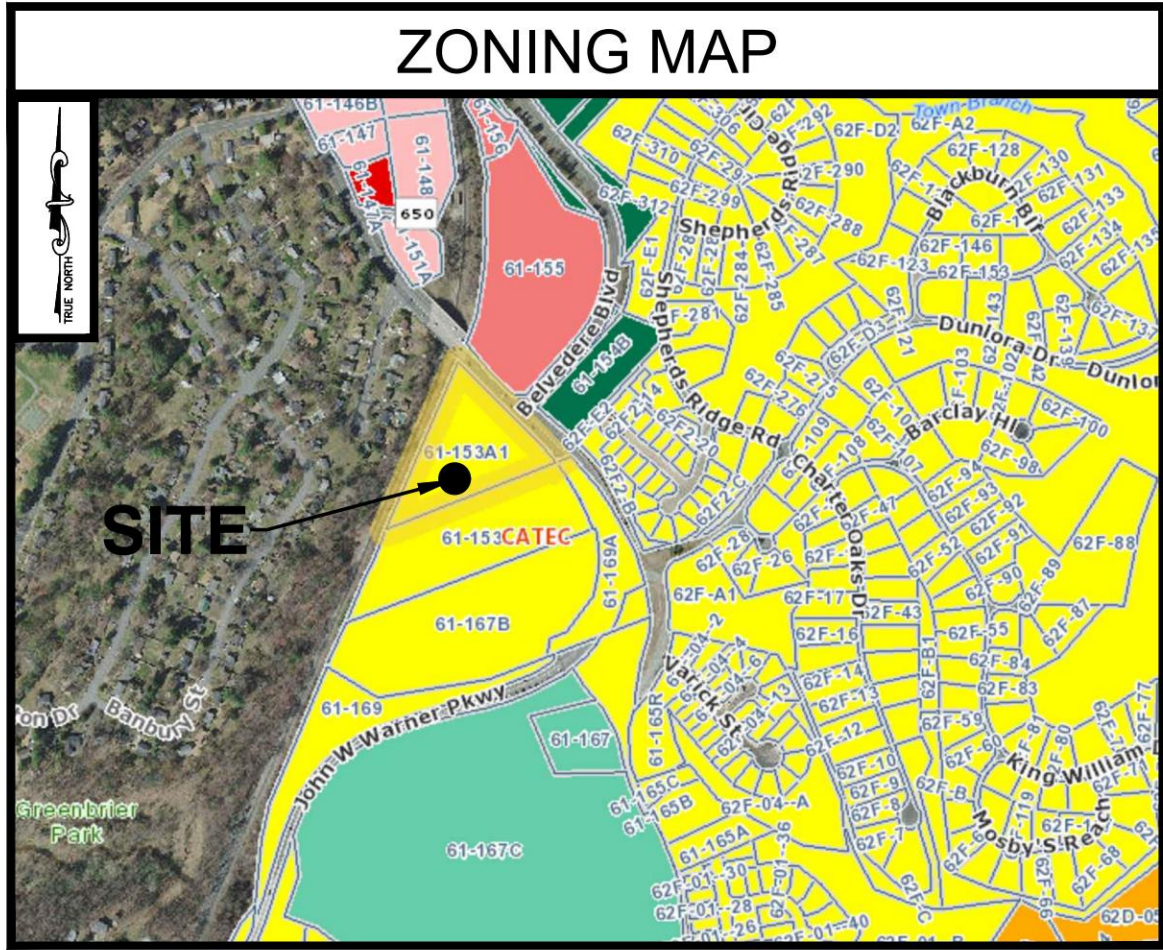
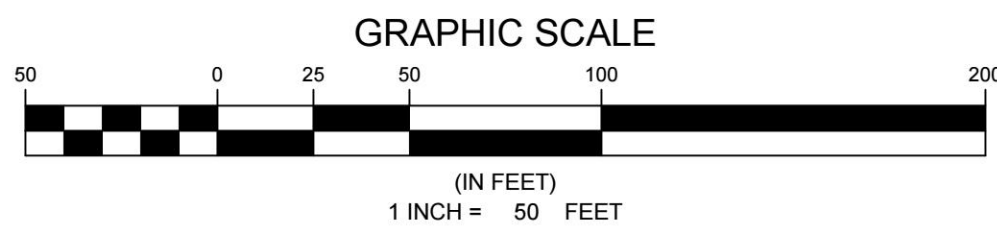
TITLE SHEET

SHEET NUMBER

T-1



1 SITE PLAN
Z-1 SCALE: 1" = 50'



GENERAL NOTES

1. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
2. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
3. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION. THERE IS NO HANDICAP ACCESS REQUIRED.
4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.

LEGEND	
	PROPERTY LINE - SUBJECT PARCEL
	PROPERTY LINE - ABUTTERS
	EXISTING ROAD
	EXISTING FENCE
	PROPOSED EASEMENT
	PROPOSED LEASE AREA
	EXISTING EASEMENT
	PROPOSED FENCE
	EXISTING BUILDING

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

verizon
1831 RADY COURT
RICHMOND, VA 23222

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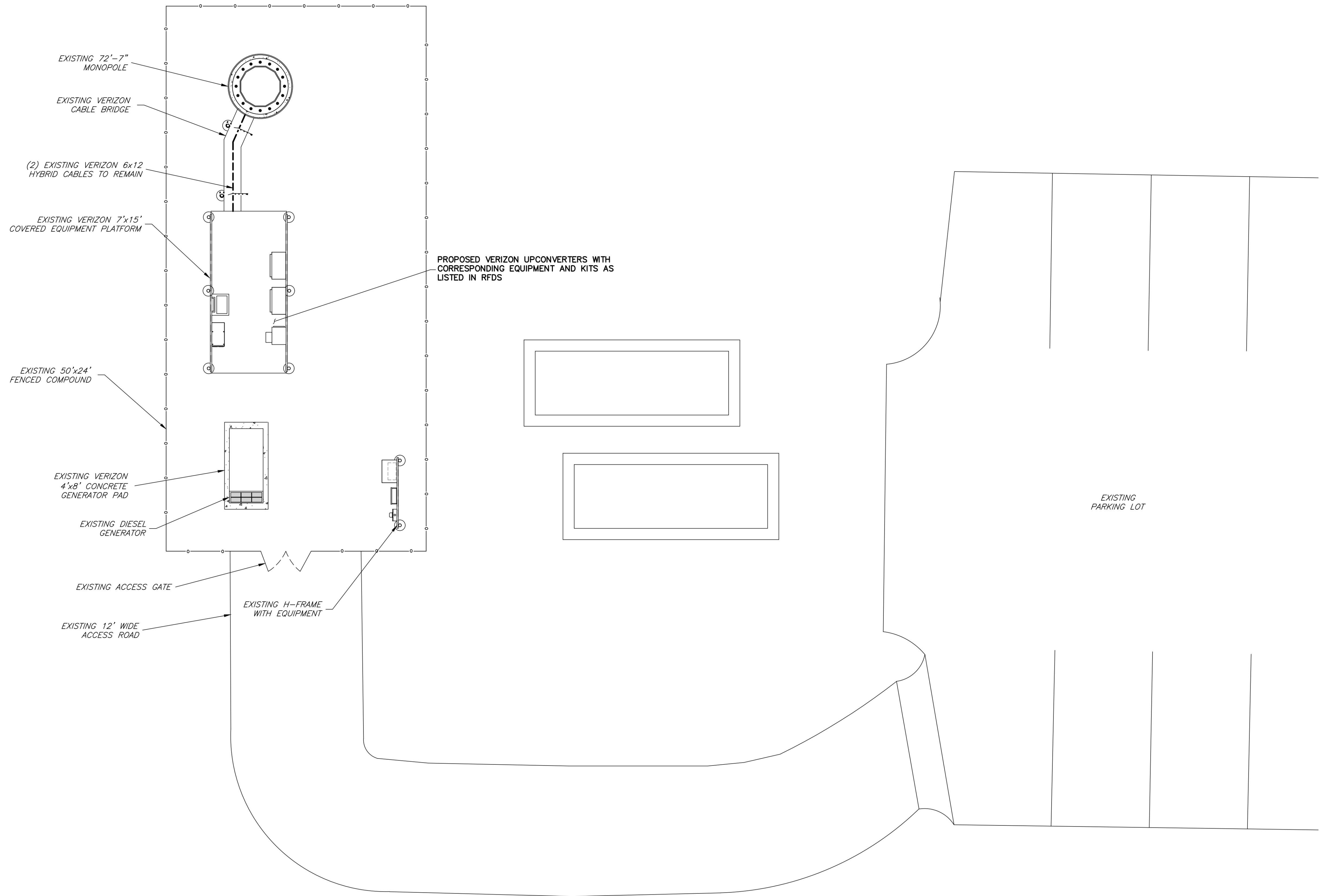
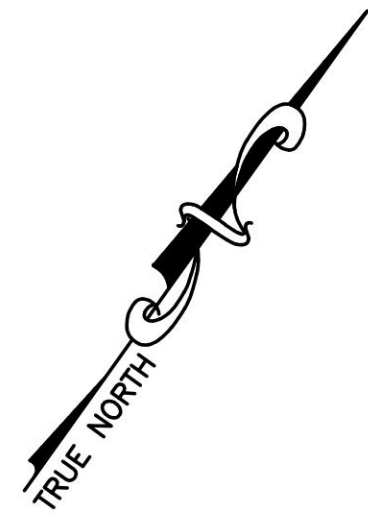
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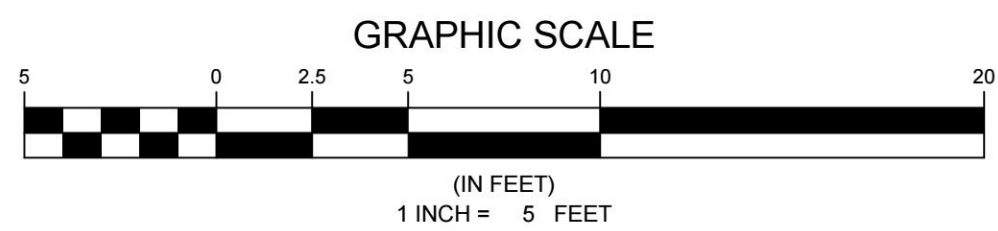
SITE PLAN

Z-1



1
C-1

COMPOUND PLAN
SCALE: 1" = 5'



ENGINEER

NB+C
TOTALLY COMMITTED.

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120 EASTSHORE DRIVE, SUITE 300
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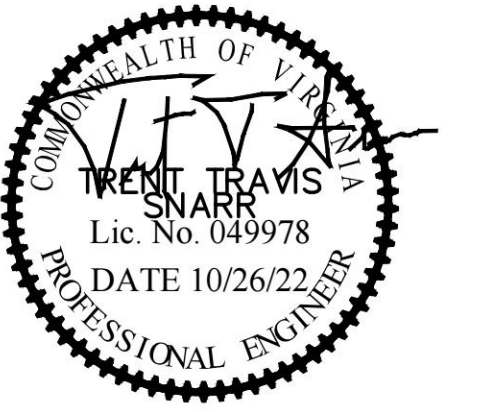
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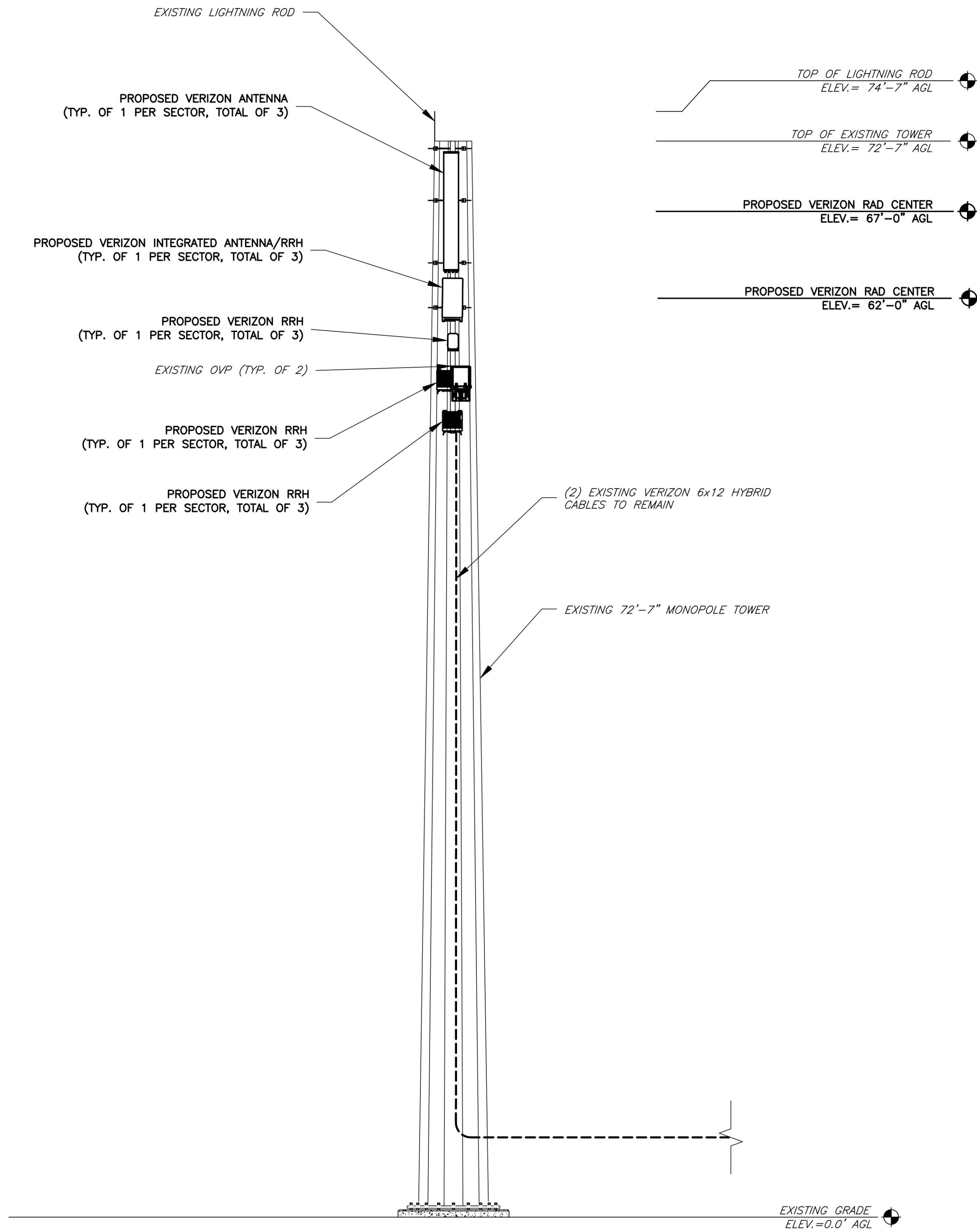
SHEET TITLE

COMPOUND
PLAN

SHEET NUMBER

C-1

STRUCTURAL NOTES:
1. THE PE STRUCTURAL ANALYSIS OF THE EXISTING STRUCTURE WITH THE EXISTING & PROPOSED LOADS WAS PERFORMED BY NETWORK BUILDING + CONSULTING, ENGINEERING SERVICES, DATED 08/09/2022, PROJECT# 100352.
2. POST-MODIFICATION INSPECTION (PMI) REQUIRED ON ALL SITES. REFER TO THE MOUNT ANALYSIS PREPARED BY NETWORK BUILDING + CONSULTING, ENGINEERING SERVICES DATED 01/24/2018 FOR ADDITIONAL DETAILS.



GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
8. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/TIA 222-G REQUIREMENTS.
9. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
10. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
11. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
12. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
13. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.
14. PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS, AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
15. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
16. THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
17. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
18. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
19. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
20. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.

ENGINEER

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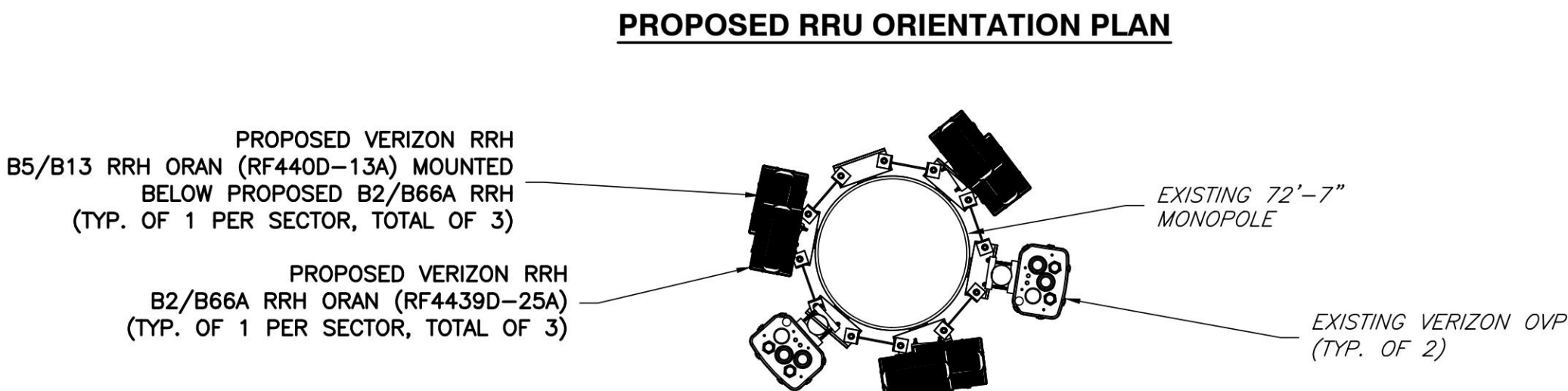
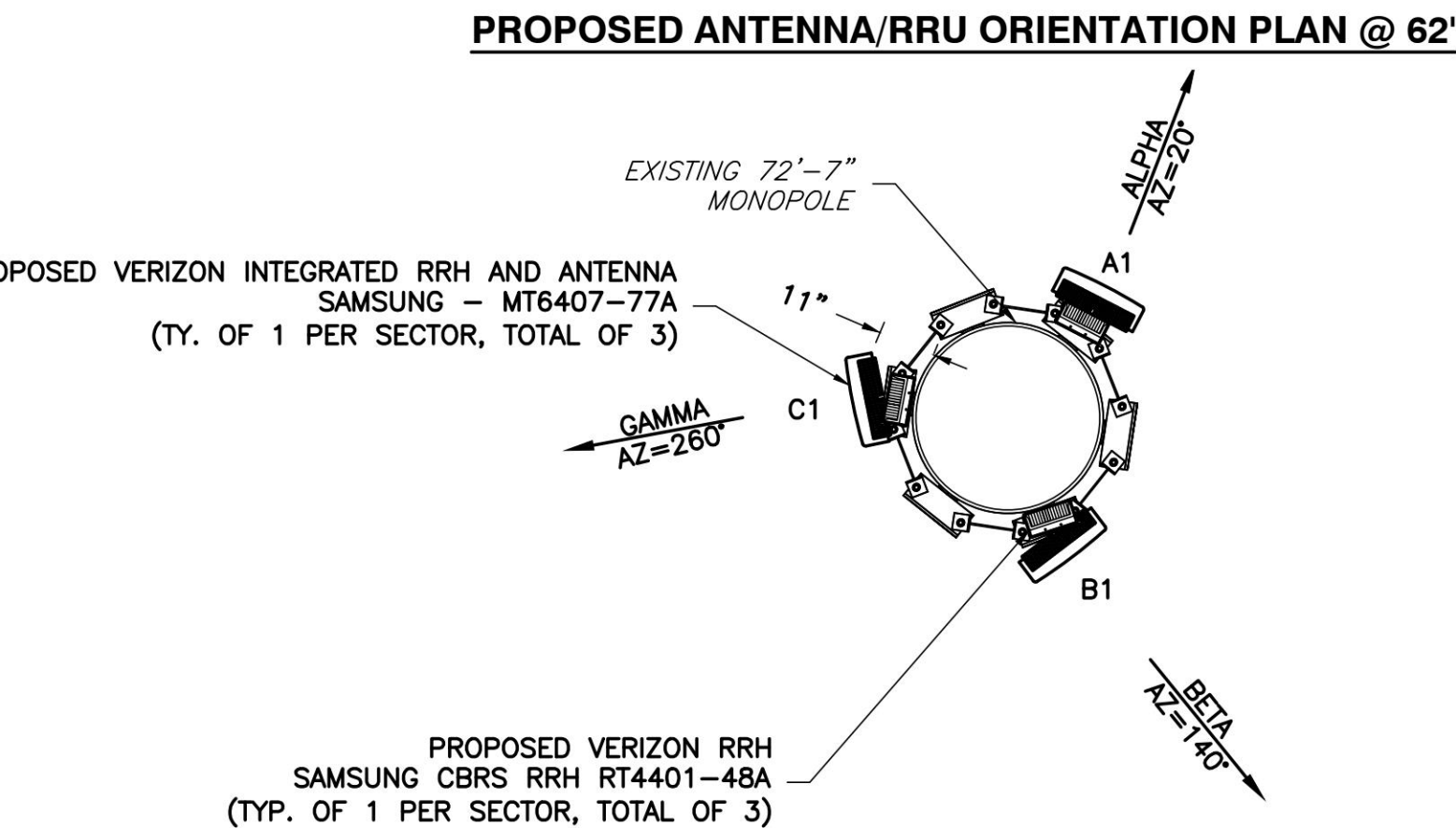
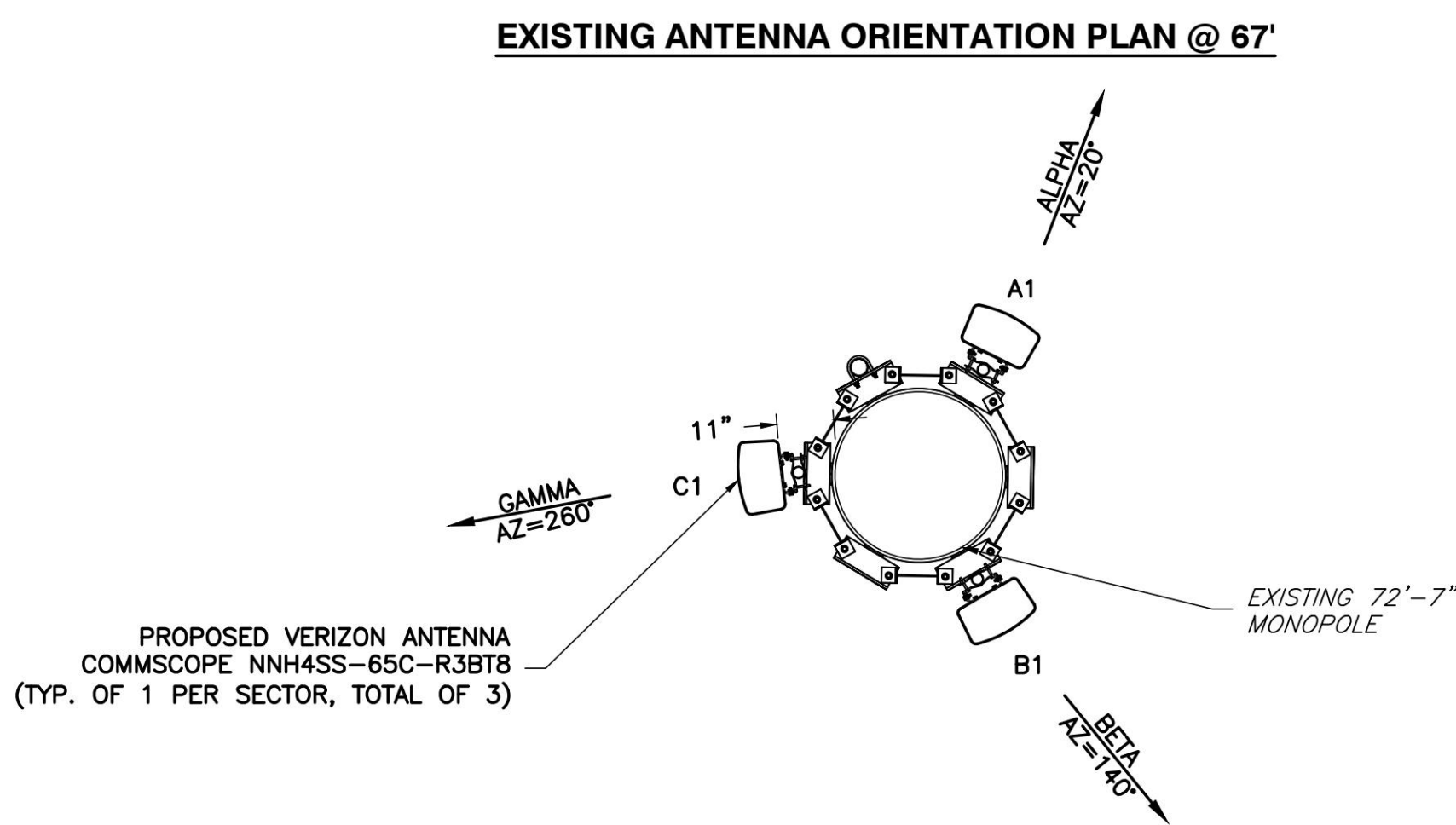
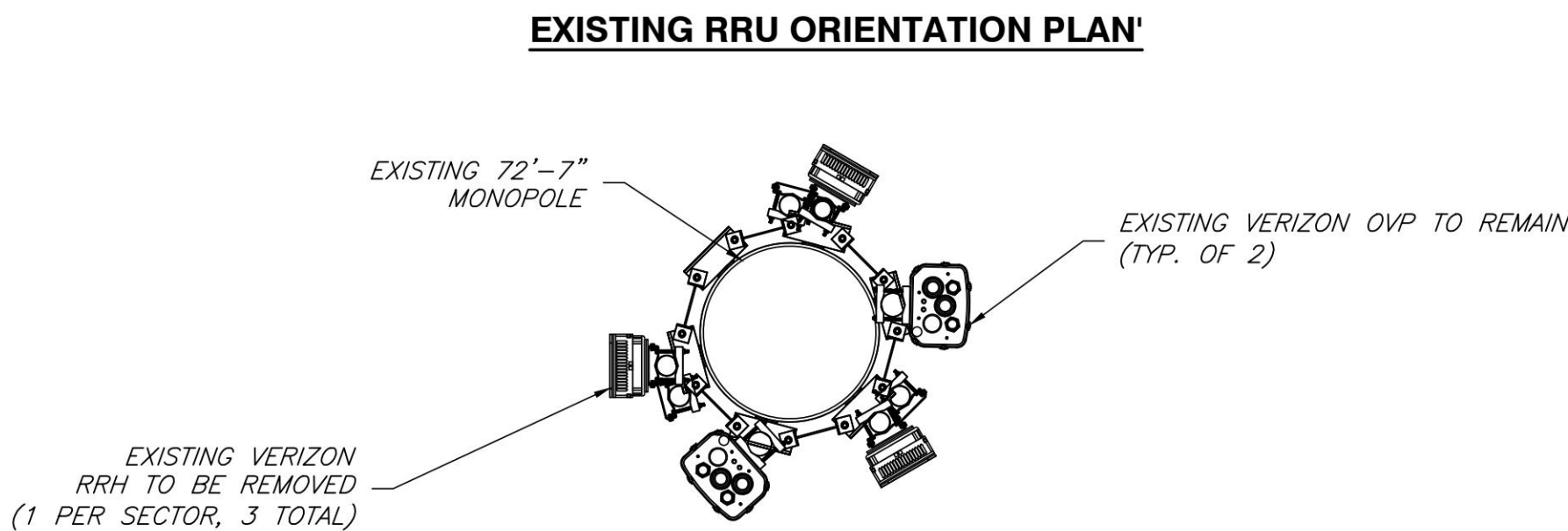
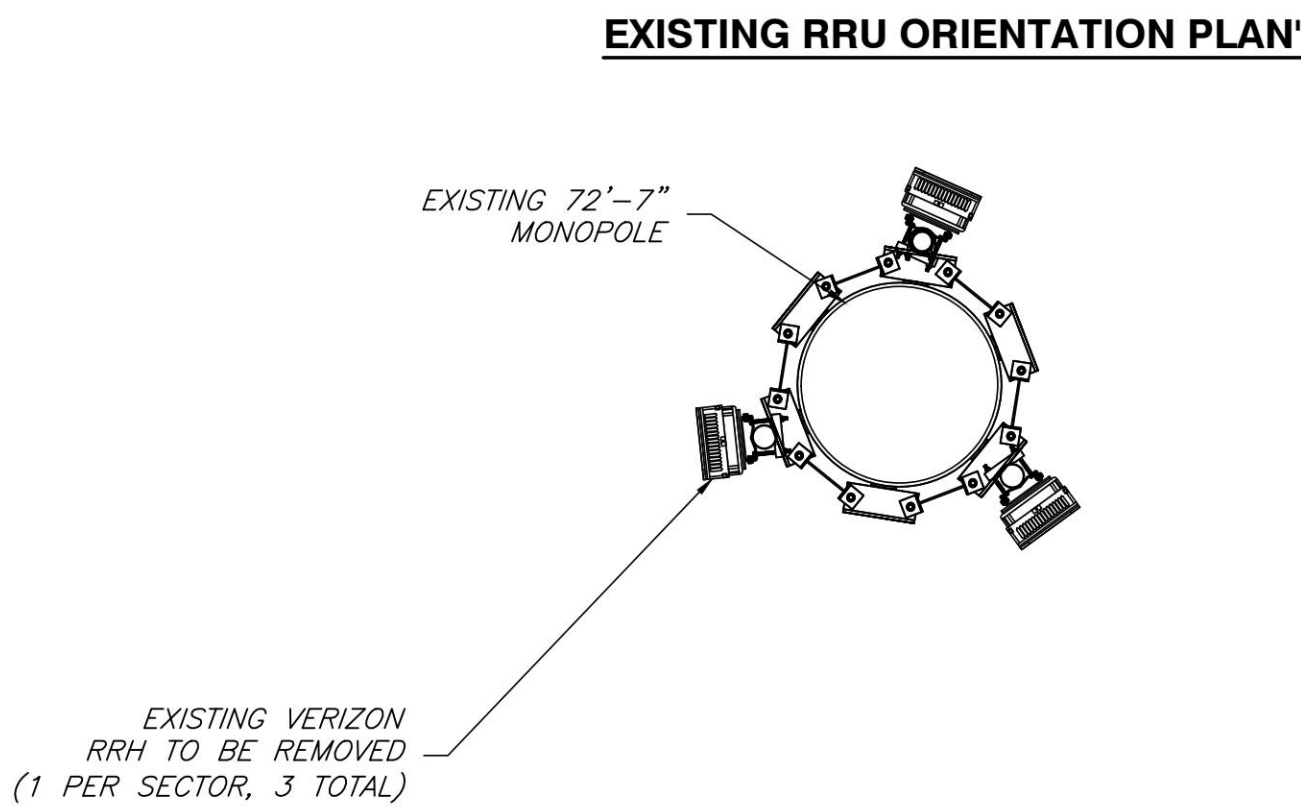
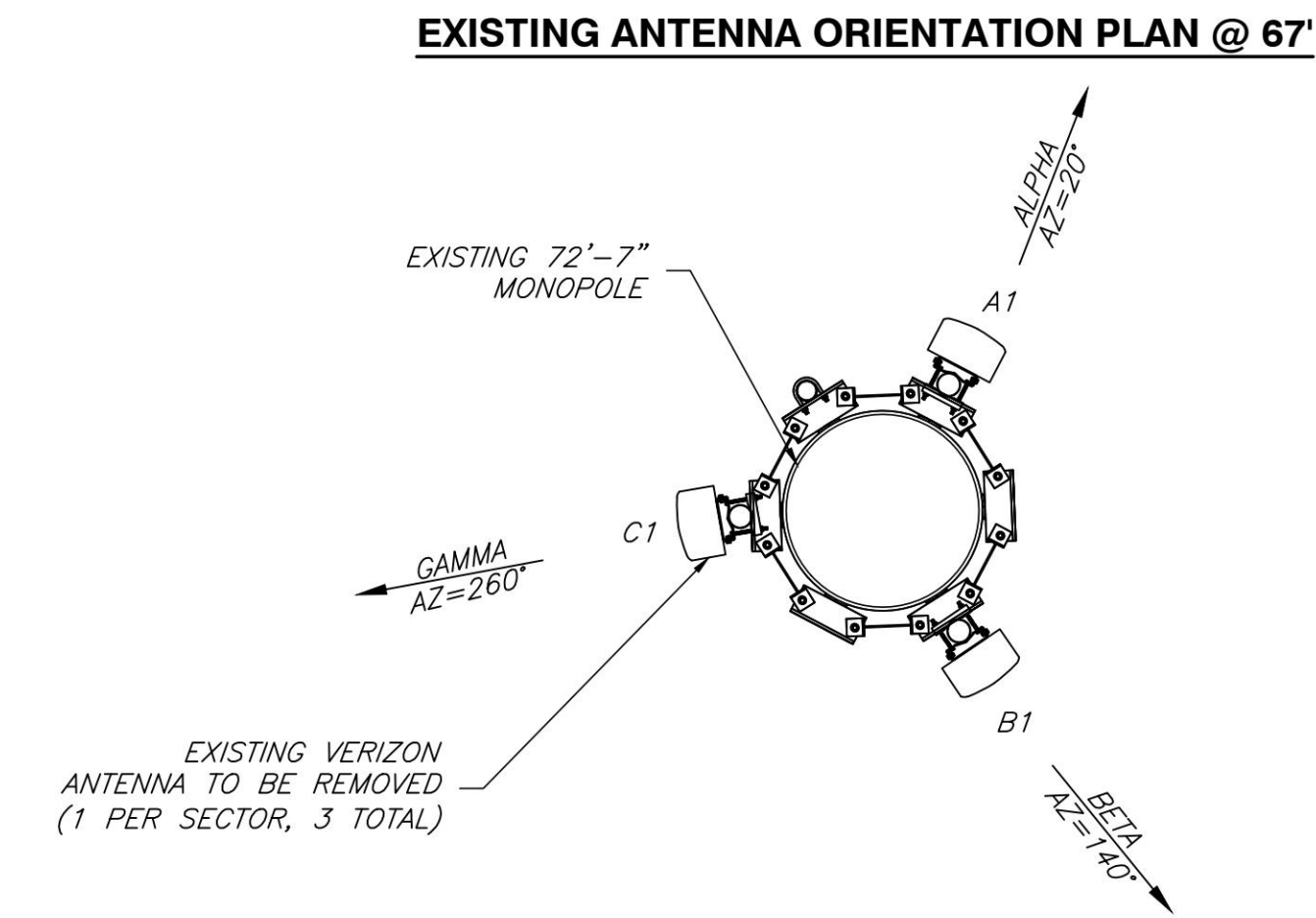
ELEVATION

C-2

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ANTENNA SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	ELEC DOWNTILT	MECH DOWNTILT	RRU QUANTITY & MODEL	TMA/DIPLEXER QUANTITY & MODEL	CABLE QUANTITY & TYPE	CABLE LENGTH
A1	PROPOSED	COMMSCOPE	NNH4SS-65C-R3BT8	67.0'	20°	SEE RFDS	0°	(1) PROPOSED B2/B66A RRH (1) PROPOSED B5/B13 RRH (1) PROPOSED CBRS RRH RT4401-48A	-	EXISTING (6x12) HYBRID CABLE	73.0'
A1	PROPOSED	SAMSUNG	MT6407-77A INTEGRATED ANTENNA W/ RRH	62.0'	20°	SEE RFDS	0°		-		
B1	PROPOSED	COMMSCOPE	NNH4SS-65C-R3BT8	67.0'	140°	SEE RFDS	0°	(1) PROPOSED B2/B66A RRH (1) PROPOSED B5/B13 RRH (1) PROPOSED CBRS RRH RT4401-48A	-	EXISTING (6x12) HYBRID CABLE	73.0'
B1	PROPOSED	SAMSUNG	MT6407-77A INTEGRATED ANTENNA W/ RRH	62.0'	140°	SEE RFDS	0°		-		
C1	PROPOSED	COMMSCOPE	NNH4SS-65C-R3BT8	67.0'	260°	SEE RFDS	0°	(1) PROPOSED B2/B66A RRH (1) PROPOSED B5/B13 RRH (1) PROPOSED CBRS RRH RT4401-48A	-	EXISTING (6x12) HYBRID CABLE (SHARED WITH ALL SECTORS)	73.0'
C1	PROPOSED	SAMSUNG	MT6407-77A INTEGRATED ANTENNA W/ RRH	62.0'	260°	SEE RFDS	0°		-		



ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

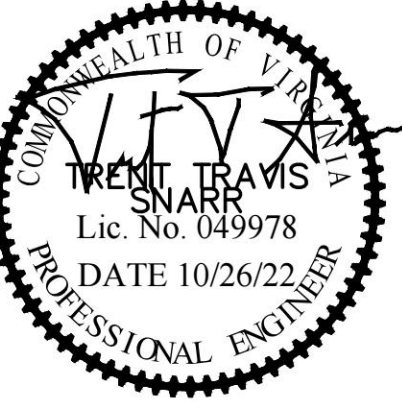
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ALBEMARLE COUNTY

REVISIONS

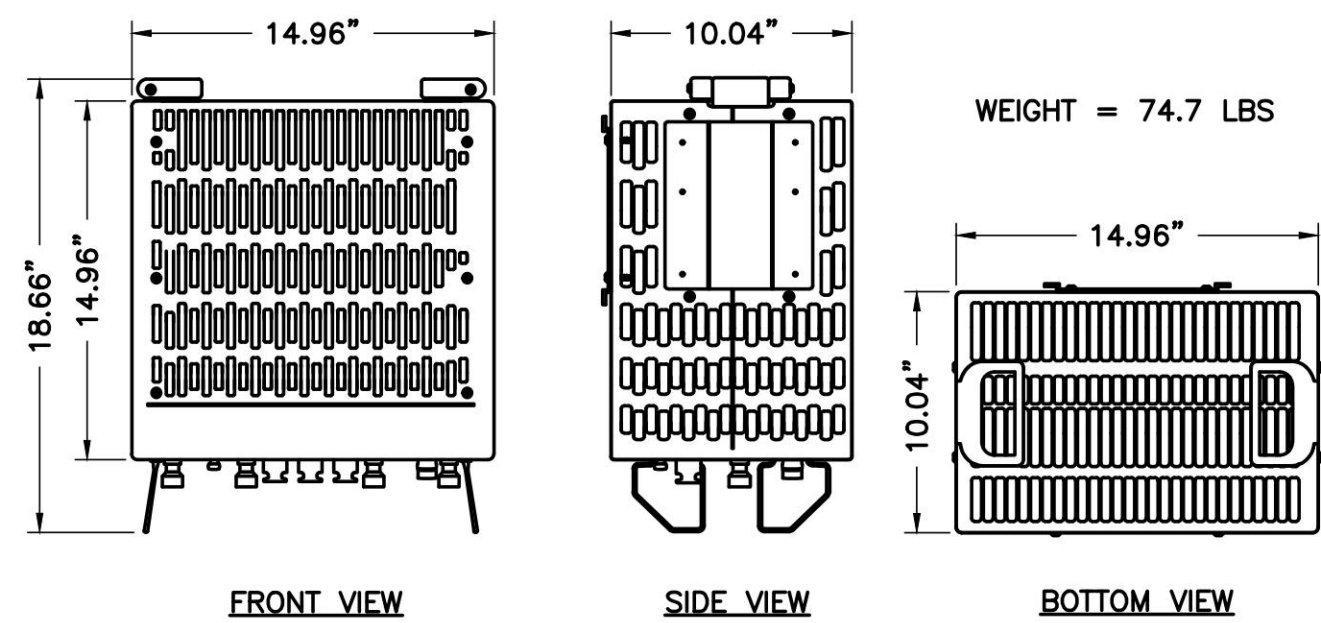
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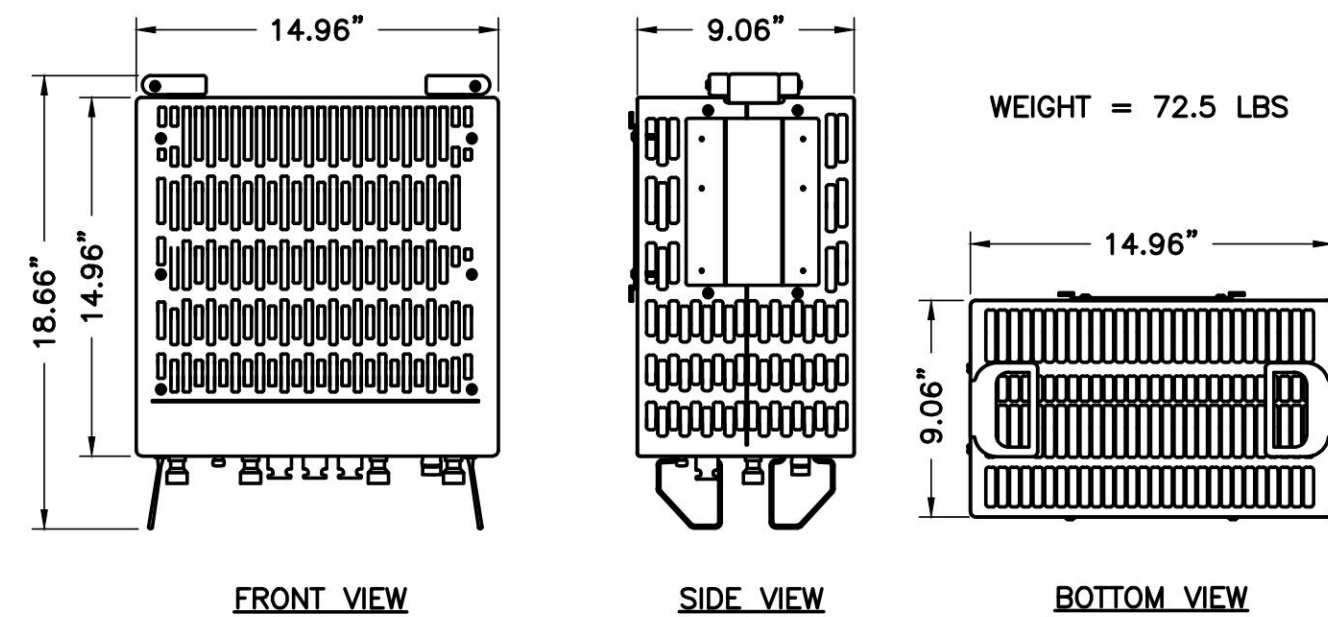
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VA PROFESSIONAL ENGINEER LIC. #49978

EQUIPMENT SCHEDULE

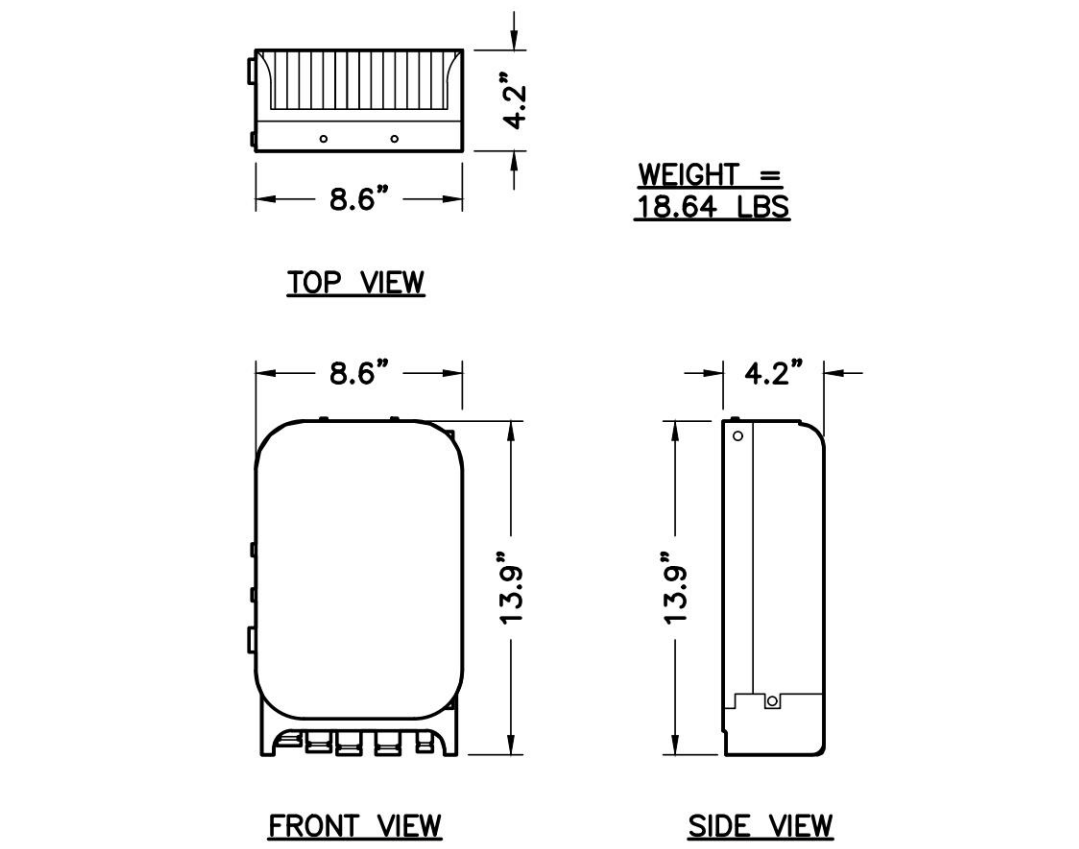
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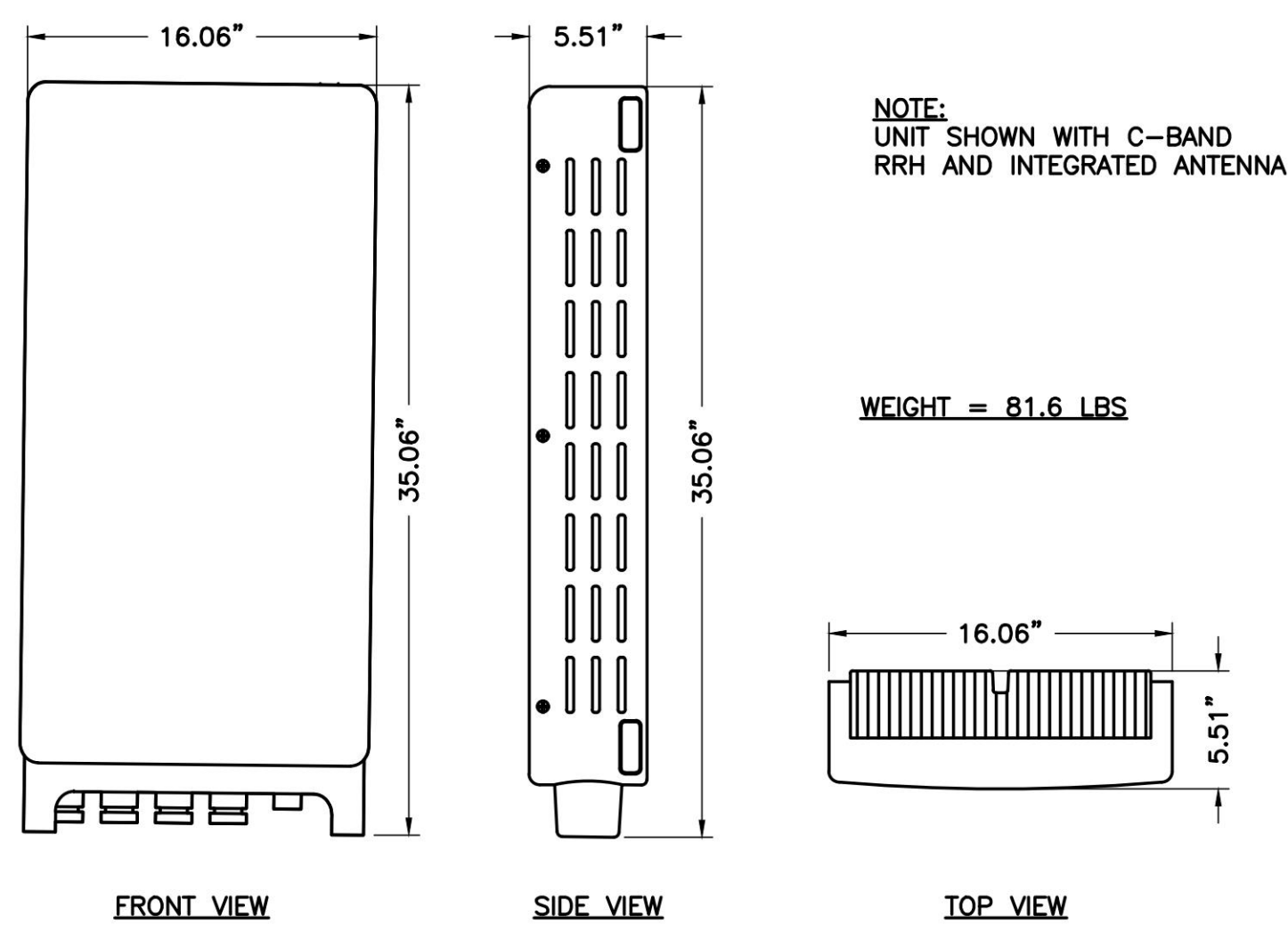
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A-2 NTS



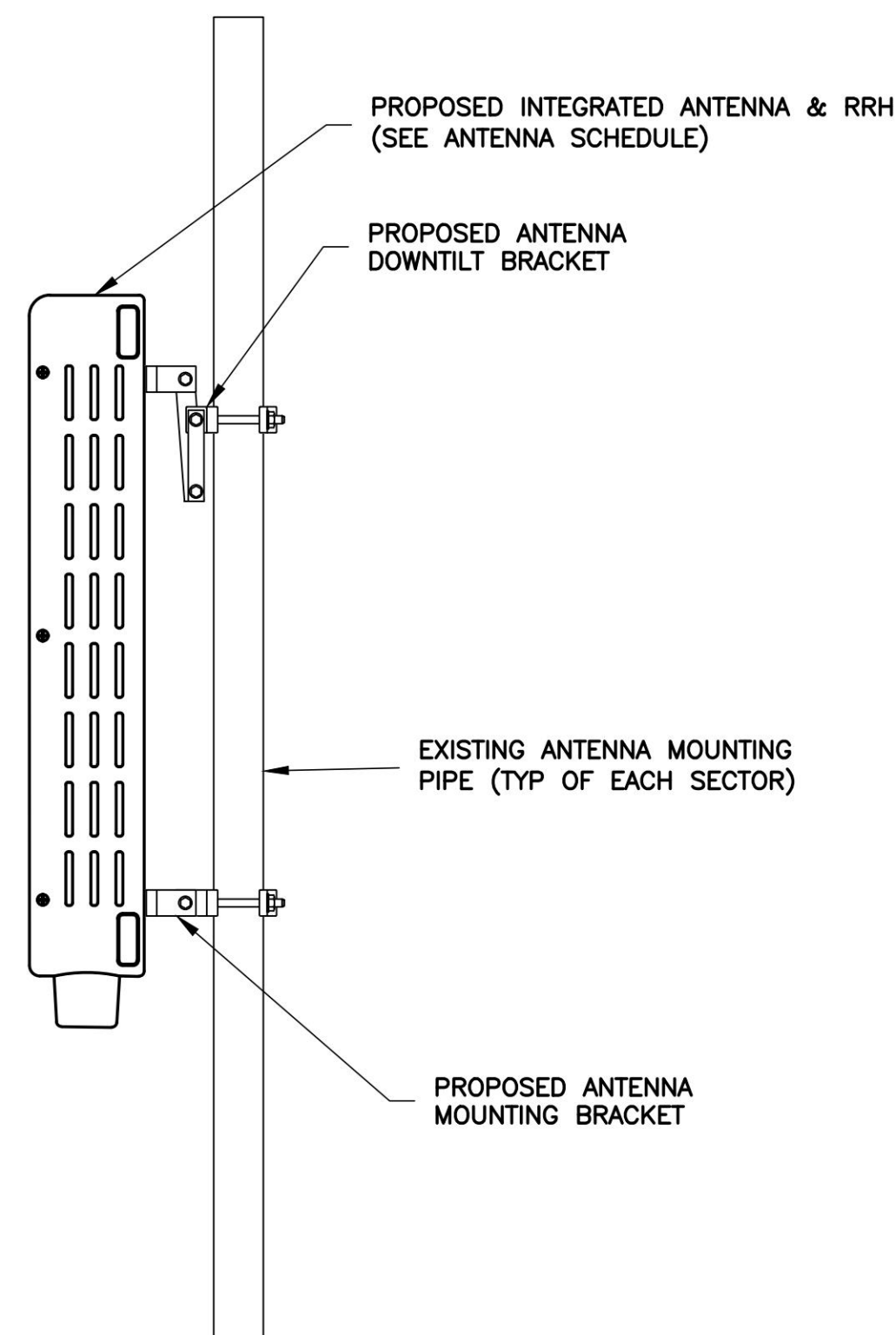
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A-2 NTS



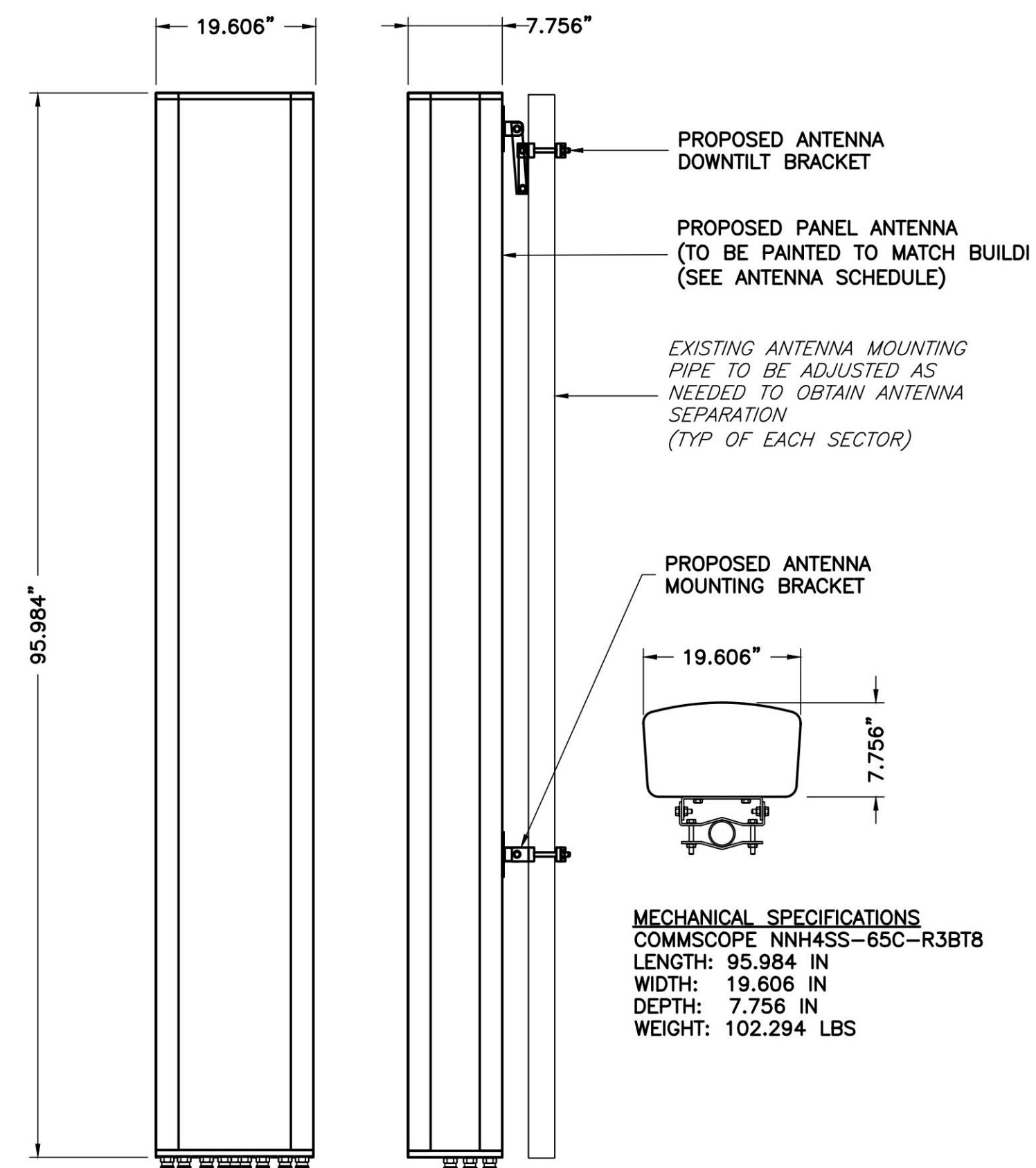
3 SAMSUNG RT4401-48A CBRS RRH
A-2 NTS



4 SAMSUNG MT6407-77A RRH & ANTENNA
A-2 NTS



5 ANTENNA MOUNTING DETAIL
A-2 NTS



6 COMMSCOPE NNH4SS-65C-R3BT8
A-3 NTS

ENGINEER



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**EQUIPMENT
DETAILS**

SHEET NUMBER

A-2