



## SITE NAME: MOORES CREEK 4G PCS - CARRIER ADD

1633 MONACAN TRAIL  
GOODS BRIDGE, VA 22903  
ALBEMARLE COUNTY

### SITE INFORMATION

PROJECT DESCRIPTION:	PROJECT CONSISTS OF REMOVING (3) ANTENNAS & (7) COAXIAL CABLES. FOLLOWED BY INSTALLING (3) ANTENNAS, (3) INTEGRATED ANTENNAS & RRH UNITS, (6) RRHS, (1) OVP & (1) HYBRID CABLE. THE FINAL TOWER CONFIGURATION WILL BE (6) ANTENNAS, (3) INTEGRATED ANTENNAS & RRH UNITS, (6) RRHS, (1) OVP, (6) COAXIAL CABLES & (1) HYBRID CABLE.
SITE ADDRESS:	1633 MONACAN TRAIL GOODS BRIDGE, VA 22903
LATITUDE (NAD 83):	37.995417
LONGITUDE (NAD 83):	-78.581556
GROUND ELEVATION:	663.50± (AMSL)
JURISDICTION:	ALBEMARLE COUNTY
ZONING:	RA, EC
PARCEL ID:	08900-00-00-00400
PARCEL AREA:	6.36± ACRES
PARCEL OWNER:	CANODY, JOHN C OR ANITA L 1633 MONACAN TRAIL RD CHARLOTTESVILLE VA, 22903
TOWER OWNER:	VERIZON WIRELESS 1831 RADY COURT RICHMOND, VA 23222
STRUCTURE TYPE:	MONOPOLE
CLASSIFICATION GROUP:	U
CONSTRUCTION TYPE:	2B
STRUCTURE HEIGHT:	89' (AGL)
RAD CENTER:	92' (AGL)
TOP OVERALL HEIGHT:	97.9' (AGL)
TOTAL LEASE AREA:	1200 SQ. FT.
POWER PROVIDER:	DOMINION
TELCO PROVIDER:	CENTURY LINK

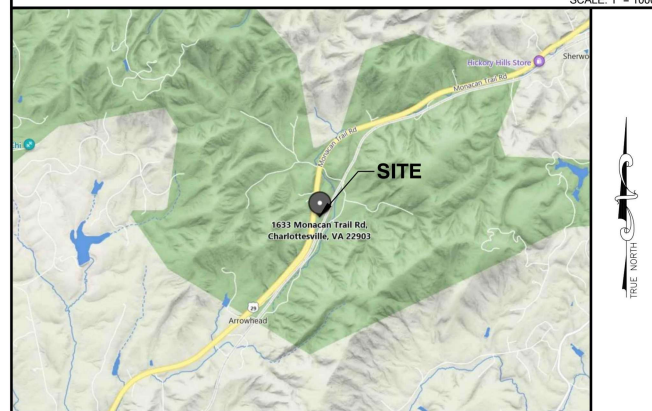
### EMERGENCY INFORMATION:

FIRE & RESCUE DEPARTMENT:	(434) 296-5833
POLICE DEPARTMENT:	(434) 296-6807

### PROJECT TEAM

APPLICANT:	VERIZON WIRELESS 1831 RADY COURT RICHMOND, VA 23222
CONSTRUCTION MANAGEMENT FIRM:	NETWORK BUILDING + CONSULTING, LLC. 120 EASTSHORE DRIVE, SUITE 300 GLEN ALLEN, VA 23059 (804) 548-4079
ENGINEERING FIRM:	NB+C ENGINEERING SERVICES, LLC. 120 EASTSHORE DRIVE, SUITE 300 GLEN ALLEN, VA 23059 (804) 548-4079 tsnarr@nbcllc.com

### VICINITY MAP



### DIRECTIONS

HEAD SOUTHWEST ON RADY ST TOWARD MAGNOLIA ST. TURN RIGHT ONTO MAGNOLIA ST. MAKE A U-TURN TO STAY ON MAGNOLIA ST. TURN RIGHT ONTO US-360 W / MECHANICSVILLE TPKE. TAKE THE RAMP ON THE RIGHT AND FOLLOW SIGNS FOR I-95 / I-64 WEST. TAKE THE RAMP ON THE RIGHT FOR I-95 N / I-64 W. AT EXIT 79, HEAD RIGHT ON THE RAMP FOR US-33 TOWARD STAPLES MILL RD. AT EXIT 118A, HEAD RIGHT ON THE RAMP FOR US-29 SOUTH TOWARD LYNCHBURG. MAKE A U-TURN TO STAY ON US-29 N / MONACAN TRAIL RD. ARRIVE AT US-29 N / MONACAN TRAIL RD WITH SITE LOCATED ON THE RIGHT.

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

### CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT:	VZWMOUNTS@NBCLLC.COM
SMART TOOL VENDOR PROJECT NUMBER:	N/A
VERIZON LOCATION CODE (PSLC):	495413

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

### HARDWARE UPGRADES REQUIRED

YES

### VERIZON APPROVED VENDORS

\* REFER TO CONSTRUCTION DRAWINGS.

### DRAWING INDEX

T-1	TITLE SHEET
C-1	COMPOUND PLAN
C-2	ELEVATION
A-1	EQUIPMENT SCHEDULE
A-2	EQUIPMENT DETAILS
G-1	GROUNDING RISER DIAGRAM & DETAILS
APPENDIX	MOUNT MODIFICATION DRAWINGS

### 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
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ENGINEER

**NB+C**  
TOTALLY COMMITTED.

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

APPLICANT

**verizon**

1831 RADY COURT  
RICHMOND, VA 23222

SITE INFORMATION

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ALBEMARLE COUNTY

DESIGN RECORD

### REVISIONS

REV	DATE	DESCRIPTION	BY
1	03/16/22	FINALS	KL.B
0	02/28/22	PRELIMINARY	KL.B

PROFESSIONAL STAMP



ENGINEER

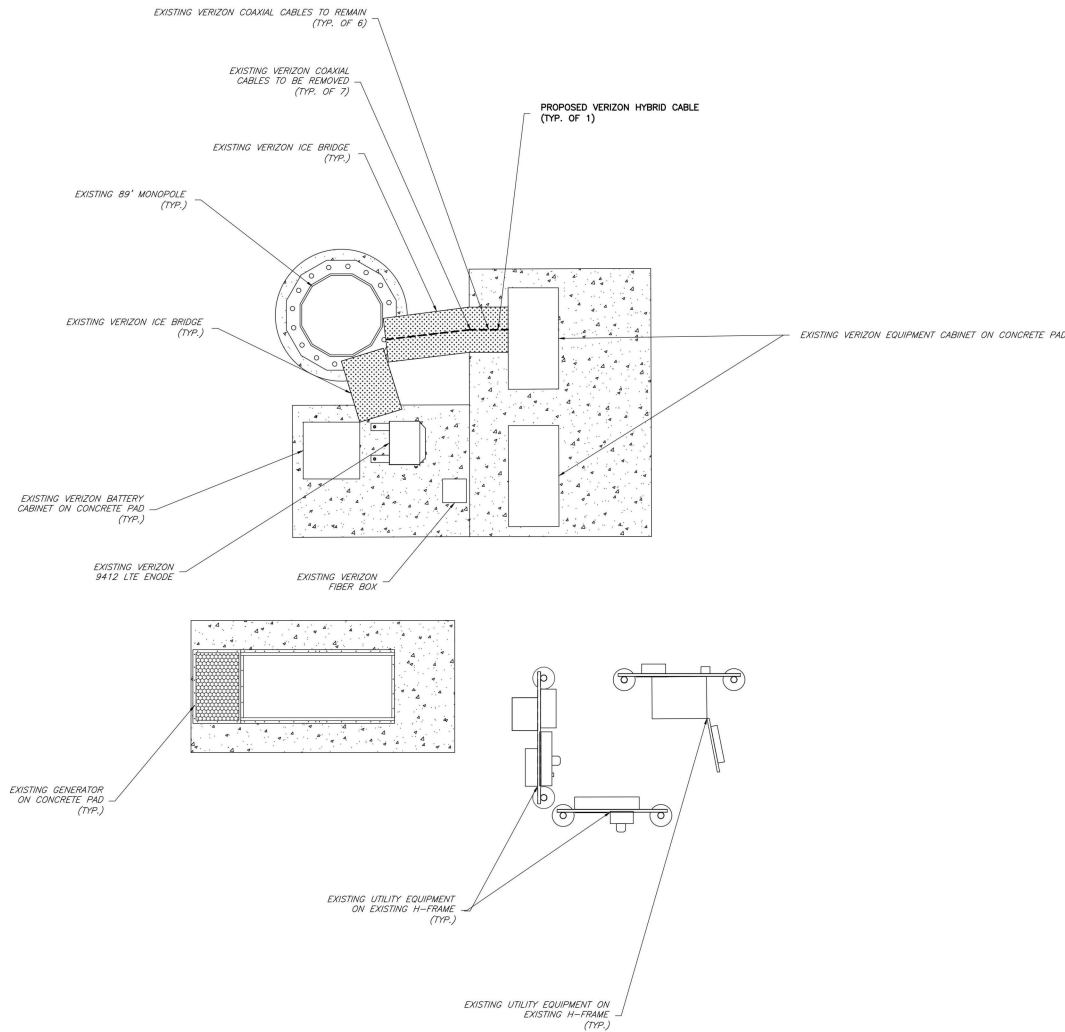
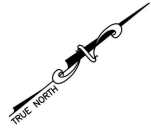
TRENT T. SNARR, P.E.  
VA PROFESSIONAL ENGINEER LIC. #49978

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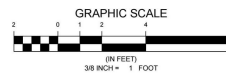
TITLE SHEET

SHEET NUMBER

T-1



1  
C-1  
COMPOUND PLAN  
SCALE: 3/8" = 1'



ENGINEER



APPLICANT



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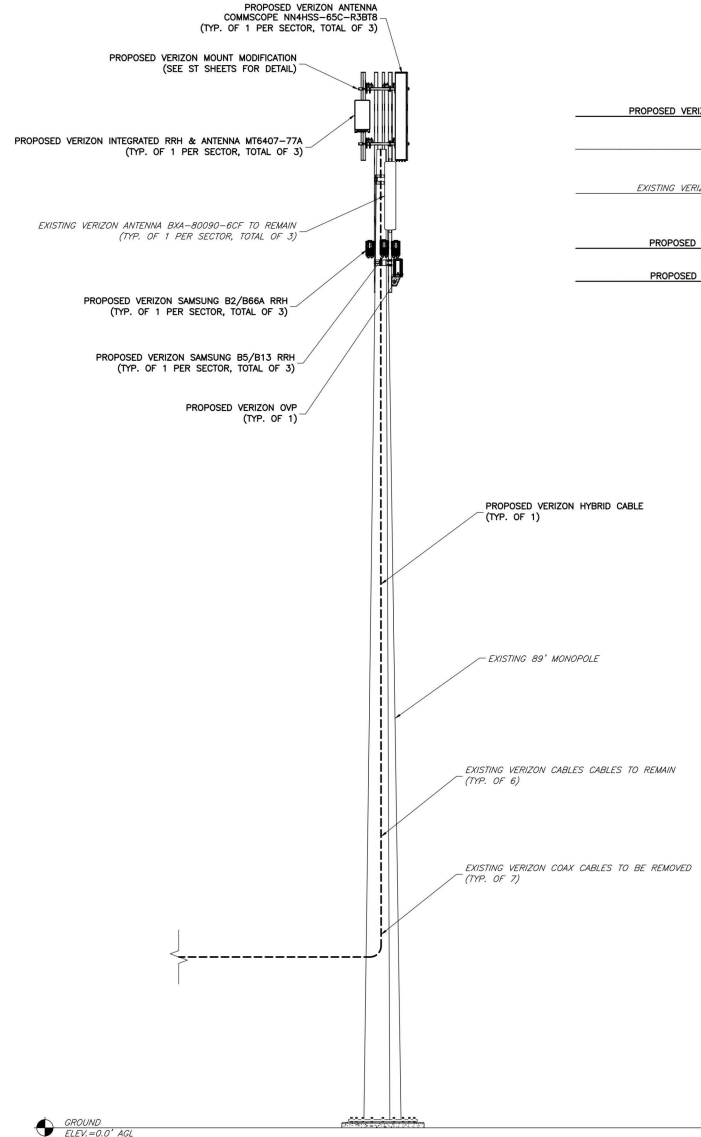
COMPOUND PLAN

SHEET NUMBER

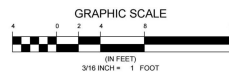
C-1

NOTE:  
POST-MODIFICATION INSPECTION (PMI) REQUIRED ON ALL SITES. REFER TO THE MOUNT ANALYSIS PREPARED BY NB+C ENGINEERING SERVICES, LLC. DATED 02/28/2022 FOR ADDITIONAL DETAILS.

NOTE:  
MOUNT MODIFICATIONS ARE REQUIRED BEFORE ANY INSTALL CAN OCCUR. PLEASE REFER TO THE MOUNT MODIFICATION DRAWINGS PROVIDED BY NB+C ENGINEERING SERVICES, LLC. DATED 02/28/2022



1 PROPOSED ELEVATION  
C-2 SCALE: 3/16" = 1'



### 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



APPLICANT



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PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

ELEVATION

SHEET NUMBER

C-2

# ANTENNA INFORMATION CHART

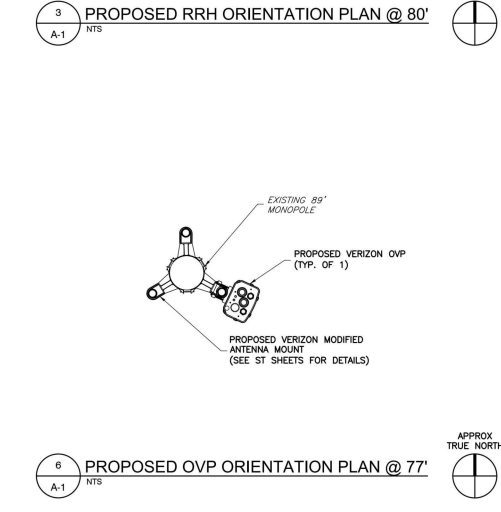
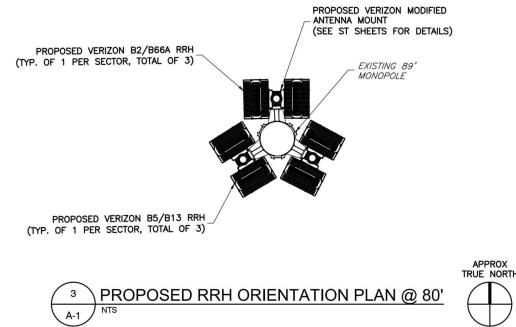
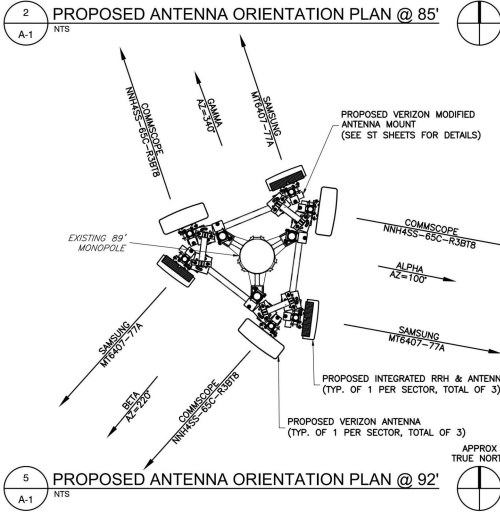
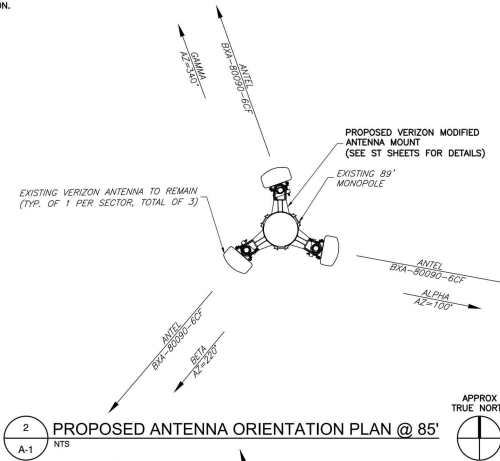
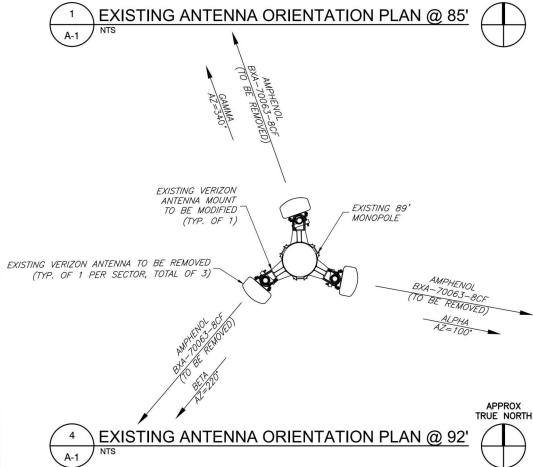
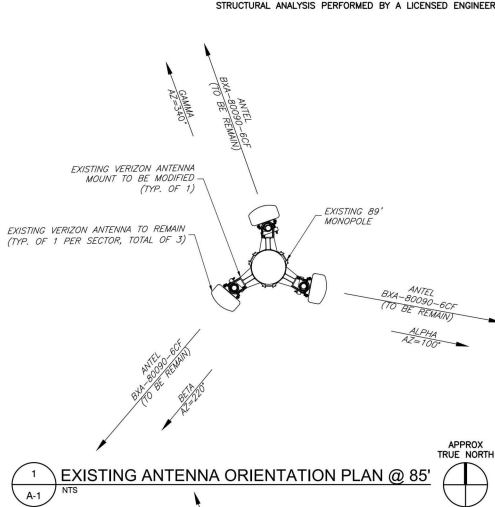
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	RAD CENTER	AZIMUTH	MECHANICAL DOWN TILT	ELECTRICAL DOWN TILT	RRH QUANTITY & MODEL
A1	EXISTING	ANTEL	BXA-80090-6CF	85'	100'	0'	SEE RFDS	-
A1B	PROPOSED	COMMSCOPE	NNH4SS-65C-R3B7B	92'	100'	0'	SEE RFDS	(1) SAMSUNG B5/B13 RRH ORAN (RF4440D-13A) (1) SAMSUNG B2/B66A RRH ORAN (RF4439D-25A)
A2	PROPOSED	SAMSUNG	MT6407-77A	92'	100'	0'	SEE RFDS	(1) SAMSUNG MT6407-77A
B1	EXISTING	ANTEL	BXA-80090-6CF	85'	220'	0'	SEE RFDS	-
B1B	PROPOSED	COMMSCOPE	NNH4SS-65C-R3B7B	92'	220'	0'	SEE RFDS	(1) SAMSUNG B5/B13 RRH ORAN (RF4440D-13A) (1) SAMSUNG B2/B66A RRH ORAN (RF4439D-25A)
B2	PROPOSED	SAMSUNG	MT6407-77A	92'	220'	0'	SEE RFDS	(1) SAMSUNG MT6407-77A
C1	EXISTING	ANTEL	BXA-80090-6CF	85'	340'	0'	SEE RFDS	-
C1B	PROPOSED	COMMSCOPE	NNH4SS-65C-R3B7B	92'	340'	0'	SEE RFDS	(1) SAMSUNG B5/B13 RRH ORAN (RF4440D-13A) (1) SAMSUNG B2/B66A RRH ORAN (RF4439D-25A)
C2	PROPOSED	SAMSUNG	MT6407-77A	92'	340'	0'	SEE RFDS	(1) SAMSUNG MT6407-77A

## NOTES:

- CONTRACTOR TO VERIFY PROPOSED ANTENNA INFORMATION IS THE MOST CURRENT DATA AT TIME OF CONSTRUCTION.
- CONTRACTOR TO CONFIRM CABLE LENGTHS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL PROPOSED AND EXISTING ANTENNA AND CABLES WERE CONSIDERED AND PASSED A STRUCTURAL ANALYSIS PERFORMED BY A LICENSED ENGINEER PRIOR TO INSTALLATION.

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TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.  
100 EASTERHILL DRIVE, SUITE 305  
GLENN ALLEN, VA 22089  
(541) 548-4075

APPLICANT

**verizon**

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SHEET TITLE

**EQUIPMENT  
SCHEDULE**

SHEET NUMBER

**A-1**