Robinson+Cole

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Also admitted in Massachusetts
and New York

February 19, 2025

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **EM-VER-028-240531 – Cellco Partnership d/b/a Verizon Wireless Telecommunications Facility, 29 Mahoney Road, Colchester, Connecticut**

Completion of Construction – Colchester East

Dear Attorney Bachman:

The purpose of this letter is to notify the Siting Council that construction activity associated with the above-referenced facility modification has been completed.

As required by the Council's approval, attached is a letter from Centek Engineering dated February 6, 2025, verifying that the facility modifications were completed in accordance with the May 28, 2024, Mount Analysis Report prepared by Colliers Engineering and Design. Photographs of the completed improvements are also attached.

If you have any questions or need any additional information regarding this facility, please do not hesitate to contact me.

Sincerely,

Kenneth C. Baldwin

Attachment
Copy to:
Aleksey Tyurin

31514641-v1

CENTEK engineering
Centered on Solutions℠

February 6, 2025

Mr. Jason Nowosad
Town of Colchester Building Department
127 Norwich Avenue
Colchester, CT 06415

Re: Letter of Professional Opinion

Project: Colchester East CT (Verizon)
29 Mohoney Road
Colchester, CT 06415

Owner: SBA Communications Corp.

Engineer: Chappell Engineering Associates, LLC
201 Boston Post Road West, Suite 101, Marlborough, MA 01752

Contractor: Eastern Communications
103R Old Windsor Rd, Bloomfield, CT 06002

Centek Project No.: 25002.23

Building Permit No.: 24-296B

Dear Mr. Nowosad,

We are providing this "Letter of Professional Opinion" with regard to the structural components at the above referenced project.

The following are the basis for substantiating compliance with construction documents prepared by Chappell Engineering Associates, LLC dated 04/05/2024 Rev.1, Structural Analysis Report prepared by SBA Communications Corporation dated 03/13/2024 and Post-Modification Mount Analysis Report prepared by Colliers Engineering & Design dated 05/28/2024 Rev.2:

- ❑ Field observations of completed construction on 02/04/2025.

Please note that discrepancies in the tower-mounted equipment listed in the Post-Modification Mount Analysis Report prepared by Colliers Engineering & Design (dated 05/28/2024 Rev.2), Structural Analysis Report prepared by SBA Communications Corporation (dated 03/13/2024) and the construction documents prepared by Chappell Engineering Associates, LLC (dated 04/05/2024 Rev.1) have been identified. The inconsistency in equipment models between the construction documents, Structural Analysis Report and Post-Modification Mount Analysis Report is highlighted in red on the attached pages: page 5 of the construction documents, page 5 of the Structural Analysis Report and page 3 of the Post-Modification Mount Analysis Report.

The work under this Contract has been reviewed and found, to the Engineer's best knowledge, information, and belief, to be completed in general compliance with the documents prepared by the aforementioned offices.

Sincerely,

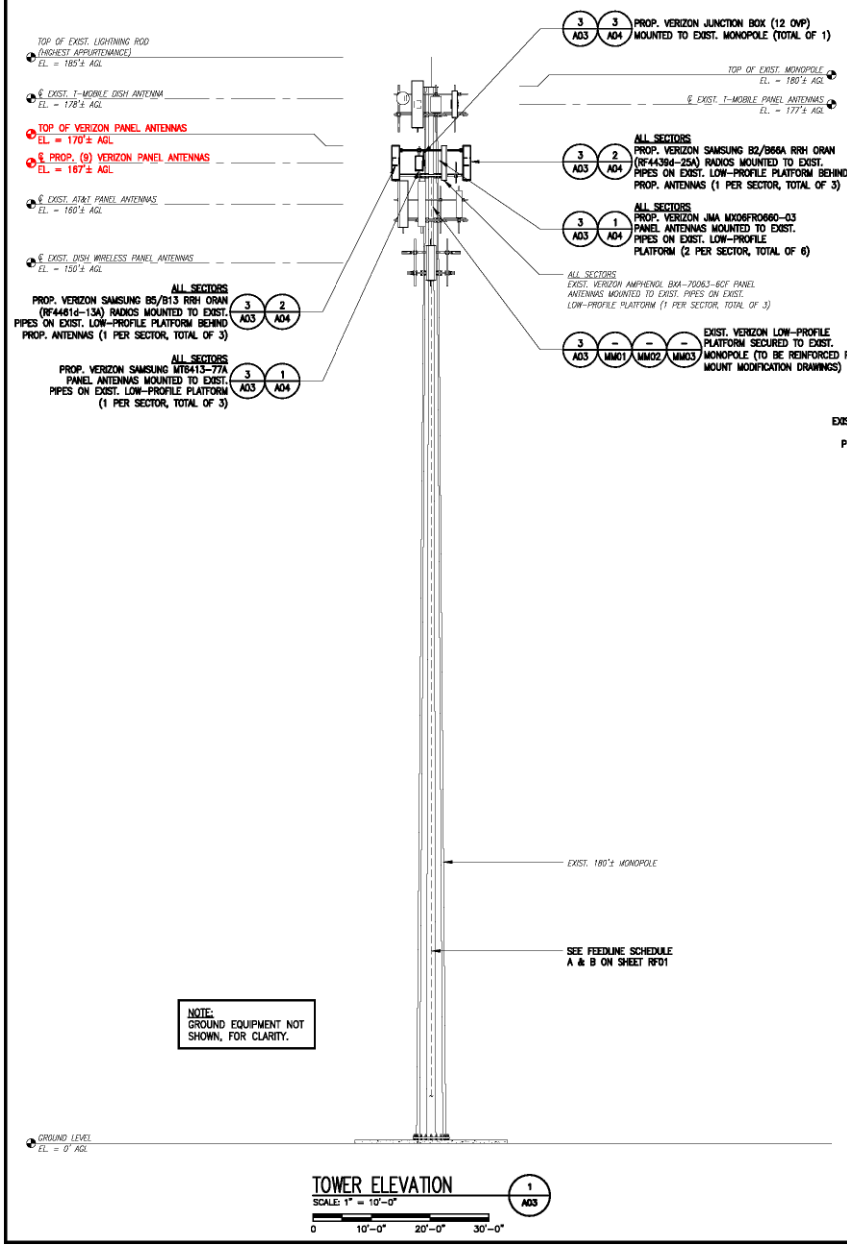
Carlo F. Centore, PE
Principal

SPECIAL PRE-CONSTRUCTION WORK NOTE (SBA-PROVIDED TOWER STRUCTURAL ANALYSIS SPECIAL EQUIPMENT INSTALLATION REQUIREMENTS):
GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SPECIAL OR SUPPLEMENTAL ADDITIONAL TOWER-MOUNTED EQUIPMENT PER RECOMMENDATIONS FROM SBA-PROVIDED TOWER STRUCTURAL ANALYSIS FOR ANY SPECIAL SHIELDING OF TOWER TOP EQUIPMENT AND FOR ANY SPECIAL FEEDLINE BUNDLING OR RELOCATION.

SPECIAL CONSTRUCTION NOTE (SBA-PROVIDED ANTENNA MOUNT STRUCTURAL MOD SPECIAL EQUIPMENT INSTALLATION REQUIREMENTS):
GENERAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ANTENNA MOUNT STRUCTURAL AUGMENTS (STRUCTURAL MODIFICATIONS) AT THE VERIZON RAD/VERTICAL EQUIPMENT SPACE PER RECOMMENDATIONS FROM SBA-PROVIDED ANTENNA MOUNT STRUCTURAL ANALYSIS AND ANY SUPPLEMENTAL CONSTRUCTION DRAWINGS (PROVIDED BY OTHERS).

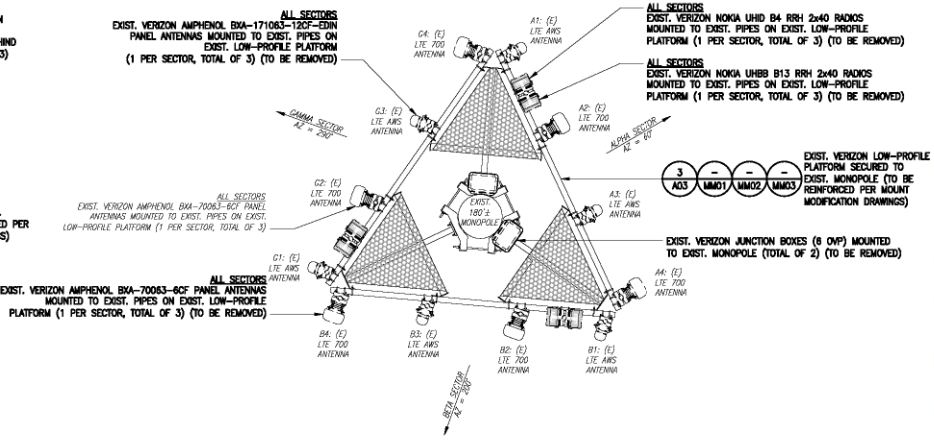
ANTENNA MOUNT REINFORCEMENT NOTE:
PRIOR TO THE COMMENCEMENT OF THE UPGRADE WORK SHOWN ON THESE DRAWINGS, THE EXISTING VERIZON TRI-SECTOR ANTENNA MOUNTING FRAME LOCATED ON THE EXISTING MONOPOLE SHALL BE REINFORCED AS PER THE MOUNT MODIFICATION DRAWINGS PREPARED BY COLLIERS ENGINEERING & DESIGN (PROJECT #21777294).

RAD CENTER NOTE:
VERIZON ANTENNA AND MOUNT RAD CENTER SHOWN IN ELEVATION ARE ACCORDING TO STRUCTURAL ANALYSIS DONE BY OTHERS AND MAY DIFFER FROM RAD CENTER ON RFDS PROVIDED BY VERIZON.

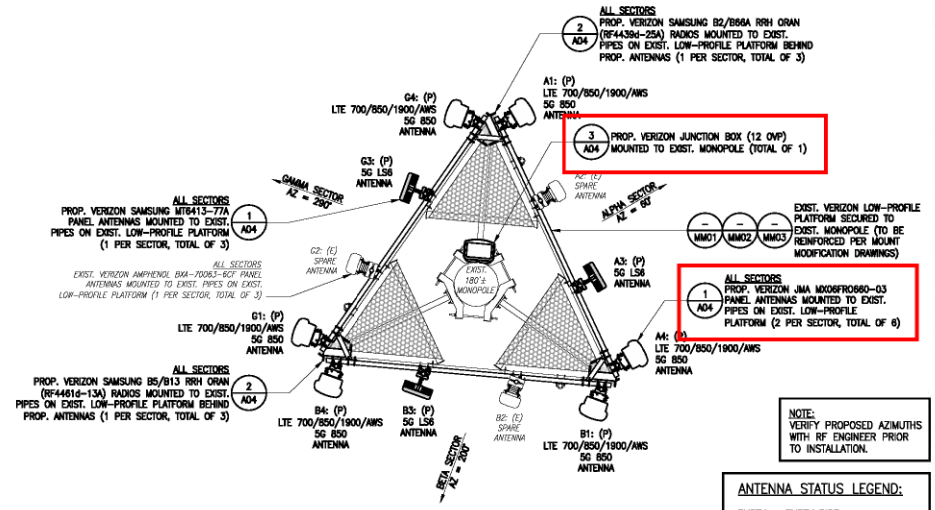


NOTE:
GROUND EQUIPMENT NOT SHOWN, FOR CLARITY.

TOWER ELEVATION (1 A03)
SCALE: 1" = 10'-0"
0 10'-0" 20'-0" 30'-0"



EXISTING ANTENNA PLAN (2 A03)
SCALE: N.T.S.



NOTE:
VERIFY PROPOSED AZIMUTHS WITH RF ENGINEER PRIOR TO INSTALLATION.

ANTENNA STATUS LEGEND:
EMPTY – EMPTY PIPE
(E) – EXISTING
(P) – INSTALL
(F) – FUTURE

PROPOSED ANTENNA PLAN (3 A03)
SCALE: N.T.S.

verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492
(203) 741-7338

SBA
SBA COMMUNICATIONS CORP.
134 FLANDERS ROAD, SUITE 125
WESTBOROUGH, MA 01581
(508) 251-0720

CHAPPELL ENGINEERING ASSOCIATES, LLC
Civil · Structural · Land Surveying
R.K. EXECUTIVE CENTRE
201 BOSTON POST ROAD WEST, SUITE 101
MARLBOROUGH, MA 01752
(508) 481-7400
www.chappellengineering.com

STATE OF CONNECTICUT
JAMES M. FITZGERALD
No. 25997
LICENSED
PROFESSIONAL CIVIL ENGINEER
4/5/2024

CHECKED BY:	JMT
APPROVED BY:	JMT

SUBMITTALS

REV.	DATE	DESCRIPTION	BY
1	04/05/24	ISSUED FOR CONSTRUCTION	CMC
0	03/28/24	ISSUED FOR REVIEW	CMC

PROJECT NAME & ADDRESS
COLCHESTER EAST CT
29 MAHONEY ROAD
COLCHESTER, CT 06415

VZW LOCATION CODE:	467283
MDG LOCATION ID:	8000245797
FUZE PROJECT ID:	18272106

SHEET TITLE
TOWER ELEVATION & ANTENNA PLANS

SHEET NUMBER
A03

221.35.080

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 244213, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
12	167.0	6	JMA Wireless MX06FRO660-03 - Panel	Modified Low Profile Platform w/ Handrails	(10) 1 5/8" Foam (2) 1-1/4" Hybriflex	Verizon
13		3	Samsung MT6413-77A - Panel			
14		3	Antel BXA-70063-6CF - Panel			
15		3	Samsung B2/B66A RRH ORAN (RF4439d-25A) - RRU			
16		3	Samsung RF4461d-13A - RRU			
17		1	Raycap RRFDC-3315-PF-48 - OVP			

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
165.00	167.00	3	Samsung	MT6413-77A	Added
		6	Commscope	NHH-65B-R2B	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4461d-13A	
		3	Amphenol	BXA-70063-6CF	Retained

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

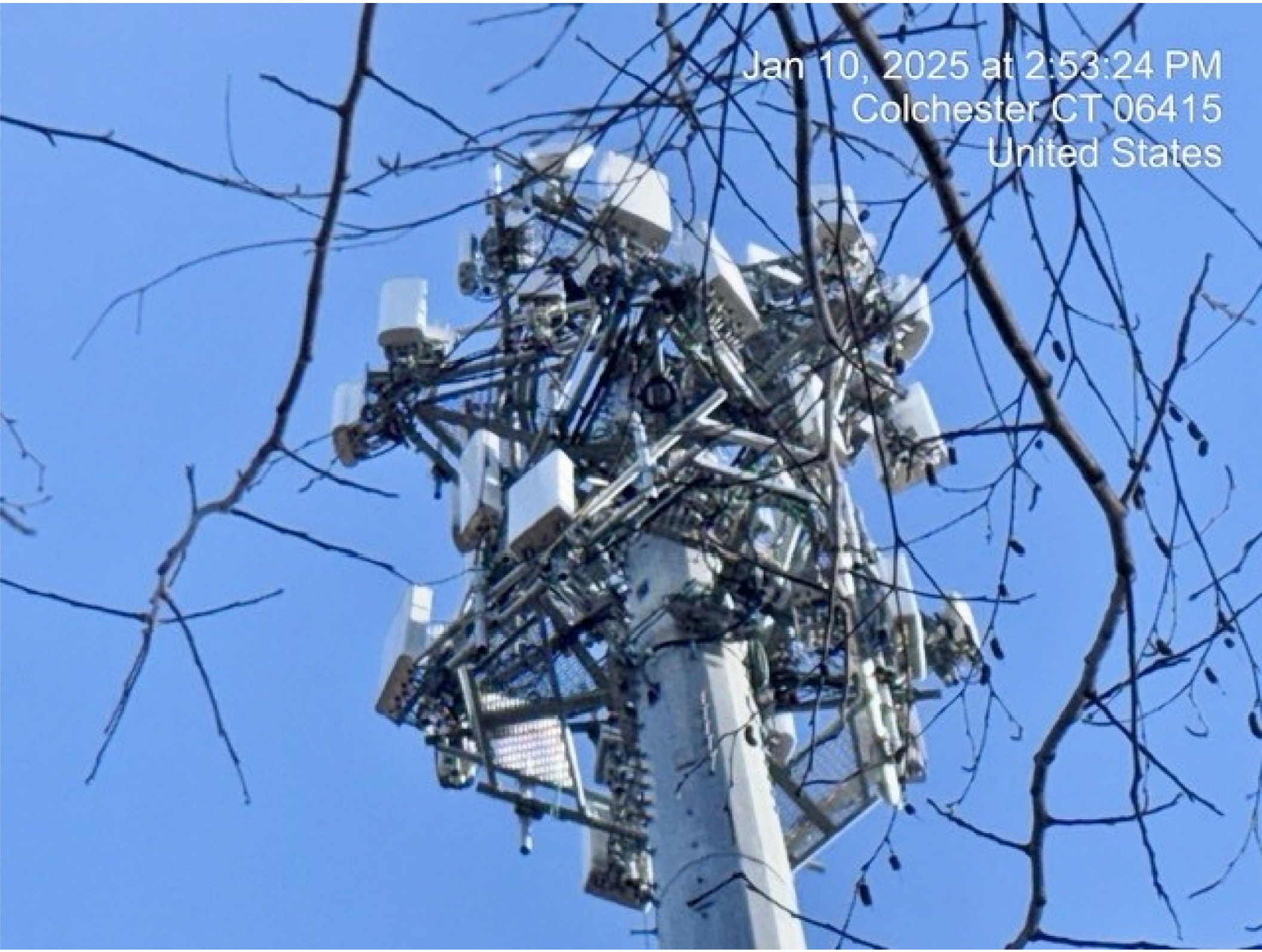
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.


Jan 10, 2025 at 2:50:42 PM
Lebanon CT 06249
United States


Jan 10, 2025 at 2:51:39 PM
Colchester CT 06415
United States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Colchester CT 06415
United States