



October 17, 2024

Melanie A. Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: EM-VER-033-240528 - Cellco Partnership d/b/a Verizon Wireless, 100 Berlin Road (a/k/a Christian Hill Road), Cromwell, Connecticut.

Notice of Construction Complete

Dear Ms. Bachman:

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

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

Sincerely,

A handwritten signature in black ink that reads "Barbara Kassabian".

Barbara Kassabian

Barbara Kassabian
c/o Cellco Partnership d/b/a Verizon Wireless
Centerline Communications, LLC
750 West Center Street, Suite 301
West Bridgewater, MA 02379
Mobile: (603) 303-8001
bkassabian@clinellc.com

750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

October 15, 2024

Mr. John Egan
Town of Cromwell Building Department
41 West Street, 2nd Floor
Cromwell, CT 06416

Re: Letter of Professional Opinion

Project: Cromwell SW CT (Verizon)
99 Christian Hill Road
Cromwell, CT 06416

Owner: American Tower

Engineer: A.T. Engineering Services, PLLC
1 Fenton Main, Suite 300, Cary, NC 27511

Contractor: Construction Services of Branford
4 Industrial Circle, Hamden, CT 06517

Centek Project No.: 24140.08

Building Permit No.: NA

Dear Mr. Egan,

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

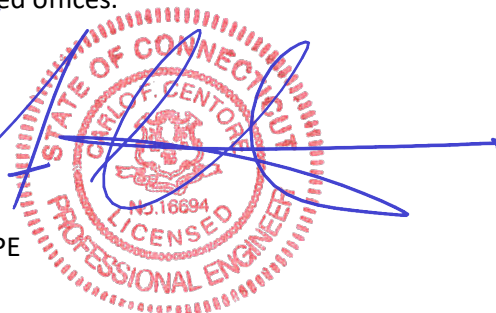
Field observations of completed construction on 10/01/2024.

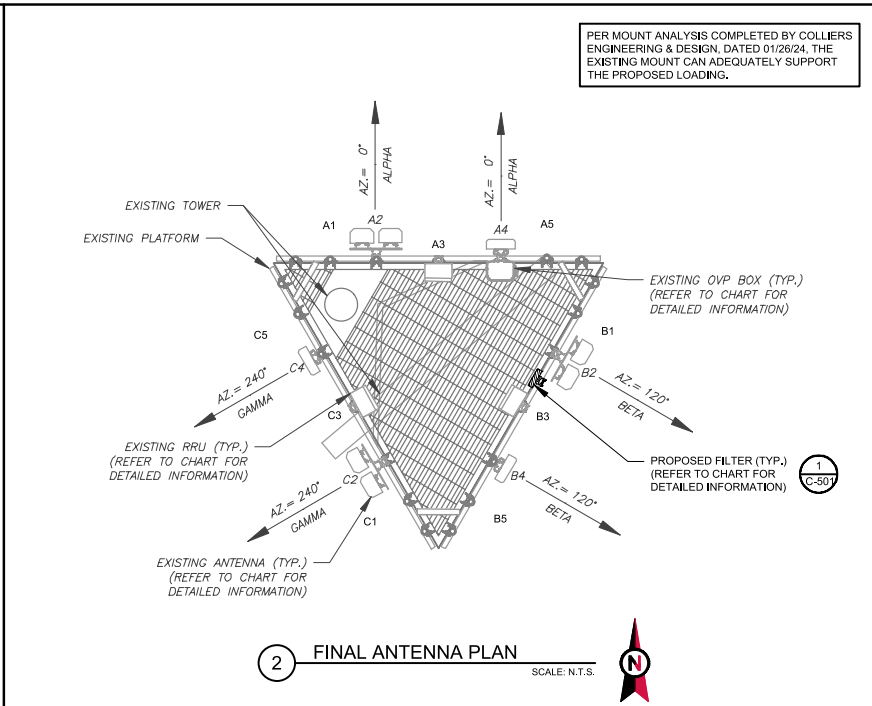
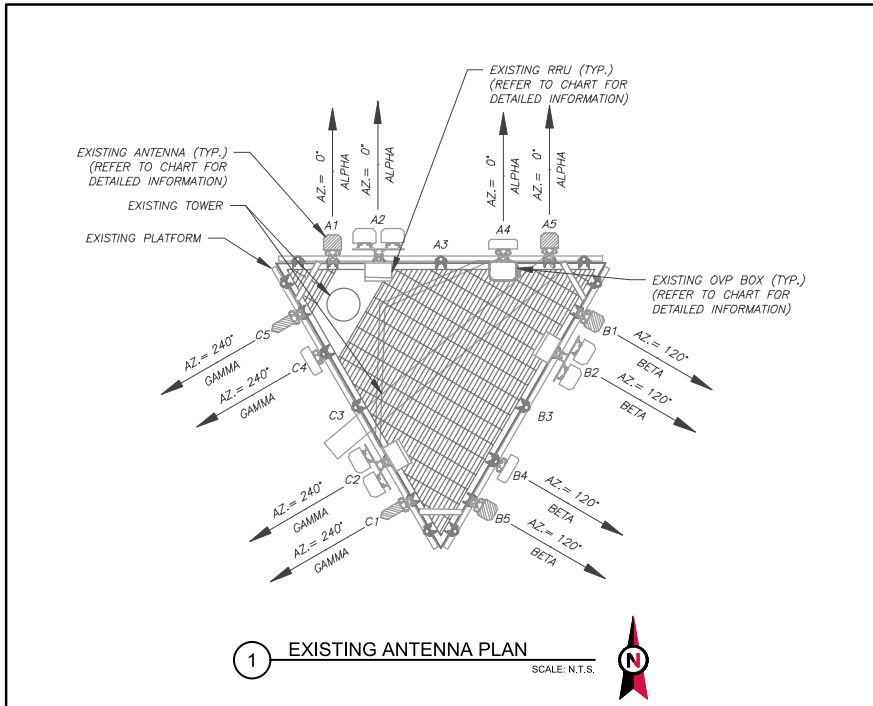
Please note that discrepancies have been identified in the tower-mounted equipment listed in the Construction Documents prepared by A.T. Engineering Services, PLLC (dated 04/29/24 Rev.2), the Structural Analysis Report prepared by American Tower Corporation (dated 04/18/24), and the Mount Analysis Report by Colliers Engineering & Design (dated 01/26/24). The inconsistencies in equipment used between the construction documents and these reports are outlined in red on the attached pages: page 6 of the Construction Documents, page 3 of the Mount Analysis, and page 5 of the Structural Analysis.

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





PER MOUNT ANALYSIS COMPLETED BY COLLIER'S ENGINEERING & DESIGN, DATED 01/26/24, THE EXISTING MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.

AMERICAN TOWER
A.T. ENGINEERING SERVICES, PLLC
 1 FENTON MAIN STREET
 SUITE 300
 CARY, NC 27511
 PHONE: (919) 468-0112
 COA: PEC.0001553

THE USE AND PUBLICATION OF THESE DRAWINGS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY ARE PREPARED. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND ADVISE AMERICAN TOWER OR THE SPECIFIED CARRIER OF ANY DISCREPANCIES. ANY PRIOR ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST VERSION.

REV.	DESCRIPTION	BY	DATE
△	FOR CONSTRUCTION	JO	1/10/2024
△	UPDATED RFDS & MA	VAR	04/17/24
△			
△			

ATC SITE NUMBER:
411261
 ATC SITE NAME:
CROMWELLSW CT
 VERIZON SITE NAME:
CROMWELL SW CT
 SITE ADDRESS:
99 CHRISTIAN HILL RD
CROMWELL, CT 06416

EXISTING ANTENNA SCHEDULE							
LOCATION		ANTENNA SUMMARY			NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT
ALPHA	84°	0°	A1	DB846F65ZAXY	-	RMV	-
			A2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			A3	-	-	-	-
			A4	MT6407-77A	L-SUB6 5G	RMN	-
			A5	DB846F65ZAXY	-	RMV	-
BETA	84°	120°	B1	DB846F65ZAXY	-	RMV	-
			B2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			B3	-	-	-	-
			B4	MT6407-77A	L-SUB6 5G	RMN	-
			B5	DB846F65ZAXY	-	RMV	-
GAMMA	84°	240°	C1	LPA-80080/6CF	-	RMV	-
			C2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			C3	-	-	-	-
			C4	MT6407-77A	L-SUB6 5G	RMN	-
			C5	LPA-80080/6CF	-	RMV	-

NOTES

- CONFIRM WITH VERIZON REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFG), GC TO CAP ALL UNUSED PORTS.
- CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS.

STATUS ABBREVIATIONS

RMV: TO BE REMOVED
 RMN: TO REMAIN
 REL: TO BE RELOCATED
 ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'
 RRU TO ANTENNA: 10'

EXISTING ANTENNA SCHEDULE							
LOCATION		ANTENNA SUMMARY			NON ANTENNA SUMMARY		
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT
ALPHA	84°	0°	A1	-	-	-	-
			A2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	-
			A3	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			A4	MT6407-77A	L-SUB6 5G	RMN	-
			A5	-	-	-	-
BETA	84°	120°	B1	-	-	-	-
			B2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	(2) BSF0020F3V1-1
			B3	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			B4	MT6407-77A	L-SUB6 5G	RMN	-
			B5	-	-	-	-
GAMMA	84°	240°	C1	-	-	-	-
			C2	(2) MX06FRO660-02	700 LTE, 850 LTE, 1900 LTE, AWS LTE	RMN	-
			C3	-	-	-	B2/B66A RRH-BR049 B5/B13 RRH-BR04C
			C4	MT6407-77A	L-SUB6 5G	RMN	-
			C5	-	-	-	-

EXISTING FIBER DISTRIBUTION/OVP BOX		EXISTING CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
RVZDC-6627-PF-48	RMN	(12) 1-5/8" COAX, AND (2) 1-5/8" HYBRID	RMN
-	-	-	-

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION / OVP BOX		FINAL CABLING SUMMARY	
MODEL NUMBER	STATUS	CABLE QTY, SIZE, TYPE	STATUS
RVZDC-6627-PF-48	RMN	(12) 1-5/8" COAX, AND (2) 1-5/8" HYBRID	RMN
-	-	-	-

SEAL:

Digitally Signed: 2024-04-29

verizon

ATC JOB NO: 14519438_G0
 CUSTOMER ID: CROMWELL SW CT
 CUSTOMER #: 5000242779

ANTENNA INFORMATION & SCHEDULE

SHEET NUMBER: **C-401** REVISION: **1**

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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
81.00	84.00	6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48*	
		2	KAelus	BSF0020F3V1-1	Added

* Equipment is flush mounted directly to the Monopole. They are not mounted on the platform mount and are not included in this mount analysis.

The recent mount mapping reported existing OVP units. 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.

VERIZON WIRELESS Final Loading

Elev (ft)	Qty	Equipment	Lines
88.0	1	GPS	(1) 1/2" Coax
86.0	1	Raycap RVZDC-6627-PF-48	(2) 1 5/8" Hybriflex
84.0	2	Kaelus BSF0020F3V1-1	(12) 1 5/8" Coax
	3	Samsung B2/B66A RRH-BR049	
	3	Samsung B5/B13 RRH-BR04C	
	3	Samsung MT6407-77A	
	6	JMA Wireless MX06FRO660-02	
83.0	1	Platform with Handrails	-

Install proposed lines in the place of the existing VERIZON WIRELESS lines.

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
108.0	1	Platform with Handrails	(3) 1 5/8" (1.63"-41.3mm) Fiber (2) 1.99" (50.7mm) Hybrid	T-MOBILE
	3	Commscope VV-65A-R1		
	3	Ericsson 4460 BAND 2/25		
	3	Ericsson Air6449 B41		
	3	Ericsson Radio 4449 B71 B85A		
	3	RFS APXVAALL24 43-U-NA20		
98.0	1	Raycap DC6-48-60-18-8F	(3) 0.41" (10.3mm) Fiber (2) 0.78" (19.7mm) 8 AWG 6 (5) 0.92" (23.4mm) Cable (6) 1 5/8" Coax (1) 2" conduit (1) 3/8" (0.38"- 9.5mm) RET Control Cable	AT&T MOBILITY
	1	Raycap DC6-48-60-18-8F(32.8 lbs)		
	1	Raycap DC9-48-60-24-8C-EV		
	3	CCI DMP65R-BU6DA		
	3	CCI TPA-65R-BU6DA-K		
	3	Ericsson RRUS 4426 B66		
	3	Ericsson RRUS 4449 B5, B12		
	3	Ericsson RRUS 4478 B14		
95.7	3	Ericsson AIR 6419 B77G	-	AT&T MOBILITY
92.4	3	Ericsson RRUS 32 B2	-	AT&T MOBILITY
	3	Ericsson RRUS 32 B30	-	AT&T MOBILITY
91.6	3	Ericsson AIR 6449 B77D/ C-Band	-	AT&T MOBILITY

(If table breaks across pages, please see previous page for data in merged cells)

