768 Southleaf Dr.
Virginia Beach, VA 23462
aconwell@clinellc.com
215.588.7035

April 18, 2024

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

Re: Notice of Exempt Modifications – AT&T Site CT1245
AT&T Telecommunications Facility @ 577 Bell Street Glastonbury, CT 06033

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC ("AT&T") currently maintains a wireless telecommunications facility on an existing +/- 104' self-support tower at the above referenced address, latitude 41.7336281, longitude -72.5496800. Said self-support tower is owned and managed by American Tower Company.

AT&T desires to modify its existing telecommunications facility by replacing six (6) antennas, removing three (3) diplexers, removing (6) TMAs, replacing (6) RRUs, adding (3) RRUs, adding (1) surge arrestor, adding (3) cables, as more particularly detailed and described on the enclosed Construction Drawings prepared by TEP Northeast, last revised on April 12, 2024. The centerline height of the existing antennas is and will remain at 90 feet.

Please accept this letter as notification pursuant to R.C.S.A §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A §16-50j-72(b)(2). In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: Jonathan Luiz, Town Manager of the Town of Glastonbury: Lincoln White Building Official/Zoning Enforcement Officer for the Town of Glastonbury: American Tower Company as tower owner and 577 Bell Street LLC c/o Worthington Tracy as property owner.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. §16-50j-72(b)(2). Specifically:

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require an extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commissions safety standard. *Please see the RF emissions calculation for AT&T's modified facility enclosed herewith.*
5. The proposed modifications will not cause an ineligible change or alternation in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis dated April 9, 2024 and prepared by American Tower Corp enclosed herewith.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A §16-50j-72(b)(2).

Best Regards,

Allison Conwell
Site Acquisition Consultant – Agent for AT&T
Centerline Communications LLC
750 West Center St. Ste 301
West Bridgewater, MA 02379
215-588-7035
aconwell@clinellc.com

Enclosures:
Exhibit 1 – Construction Drawings
Exhibit 2 – Property Card and GIS
Exhibit 3 – Structural Analysis
Exhibit 4 – Mount Analysis
Exhibit 5 – RF Emissions Analysis Report Evaluation
Exhibit 6 – Available Town of Glastonbury Original Tower Approval Records
Exhibit 7 – Notice Deliver Confirmations

Cc:
Jonathan Luiz, as elected official, Town of Glastonbury
Lincoln White, Building Official/Zoning Officer, Town of Glastonbury
Heather Morris, American Tower Company, as tower owner
577 Bell Street c/o Worthington Tracy as property owner

EXHIBIT 1

PROJECT INFORMATION

SCOPE OF WORK:	ITEMS TO BE MOUNTED ON THE EXISTING SELF SUPPORT TOWER: • INSTALL AT&T ANTENNAS: OPA65R-BU8DA @ POS. 3 & 4 ON ALPHA & GAMMA SECTORS (TYP. OF 2 PER ALPHA & GAMMA SECTOR, TOTAL OF 4) • INSTALL AT&T ANTENNAS: OPA65R-BU6DA @ POS. 3 & 4 ON BETA SECTOR (TOTAL OF 2 FOR BETA SECTOR) • INSTALL AT&T RRUS: 4890 B25/B66 (1900/AWS) @ POS. 2 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T RRUS: 4478 B14 (700) @ POS. 3 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T RRUS: 4490 B5/B12A (700/850/AWS) @ POS. 4 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • INSTALL AT&T SURGE ARRESTOR: DC6-48-60-18-8F (TOTAL OF 1) WITH (2) #6AWG DC POWER & (1) FIBER CABLE. • INSTALL AT&T (6) Y-CABLES. ITEMS TO BE MOUNTED IN EQUIPMENT LOCATION: • INSTALL (1) NEW 6651 AND IDLE Xcede CABLE IN EXISTING LTE FIF RACK. • INSTALL (1) NEW DC12 SURGE ARRESTOR TO EXISTING LTE FIF RACK • INSTALL (2) RECTIFIERS TO EXISTING DC POWER PLANT ITEMS TO BE REMOVED: • DECOMMISSION EXISTING AT&T ANTENNA: 800-10121 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T ANTENNA: DUO1417-8686 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T RRUS-11 B12 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T RRUS-32 B2 (1900) (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T TMAS: TT19-08BP111-001 (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T TMAS: DTMABP7819VG12A (TYP. OF 1 PER SECTOR, TOTAL OF 3). • DECOMMISSION EXISTING AT&T DIPLEXERS: 782-10250 (TYP. OF 1 PER SECTOR, TOTAL OF 3). ITEMS TO REMAIN: • (6) 1-5/8" COAX, (1) SURGE ARRESTOR, (2) DC POWER & (1) FIBER.
RFDS:	FINAL APPROVED V5 RFDS 06/05/2023
SITE ADDRESS:	577 BELL STREET GLASTONBURY, CT 06033
LATITUDE:	41.7336281° N, 41° 44' 1.06" N
LONGITUDE:	-72.5496800° W, 72° 32' 58.84" W
TYPE OF SITE:	SELF SUPPORT TOWER / INDOOR EQUIPMENT
STRUCTURE HEIGHT:	104'-0"±
RAD CENTER:	90'-0"±
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

DRAWING INDEX

ATC SITE NAME: GLASTONBURY
ATC SITE NUMBER: CT-207747

NOTE TO GENERAL CONTRACTOR: (PRIOR TO CONSTRUCTION COMPLETION)

- TEP NORTHEAST (TEP OPCO, LLC.) TO PERFORM POST/CLIMB AND INSPECTION TO CONFIRM PROPOSED INSTALLATION COMPLIES WITH THE RECORD STAMPED DRAWINGS AND STRUCTURAL REPORTS PRIOR TO SUBMITTING FCCA (FINAL CONSTRUCTION CONTROL AFFIDAVIT). GC IS RESPONSIBLE FOR COORDINATING INSPECTIONS WITH TEP NORTHEAST (TEP OPCO, LLC.) PRIOR TO CONSTRUCTION BEING COMPLETED.

AT&T

SITE NUMBER: CTL01245

SITE NAME: GLASTONBURY-BELL ST

FA CODE: 10050975

PACE ID: MRCTB062219, MRCTB062393, MRCTB062138, MRCTB062359, MRCTB062183

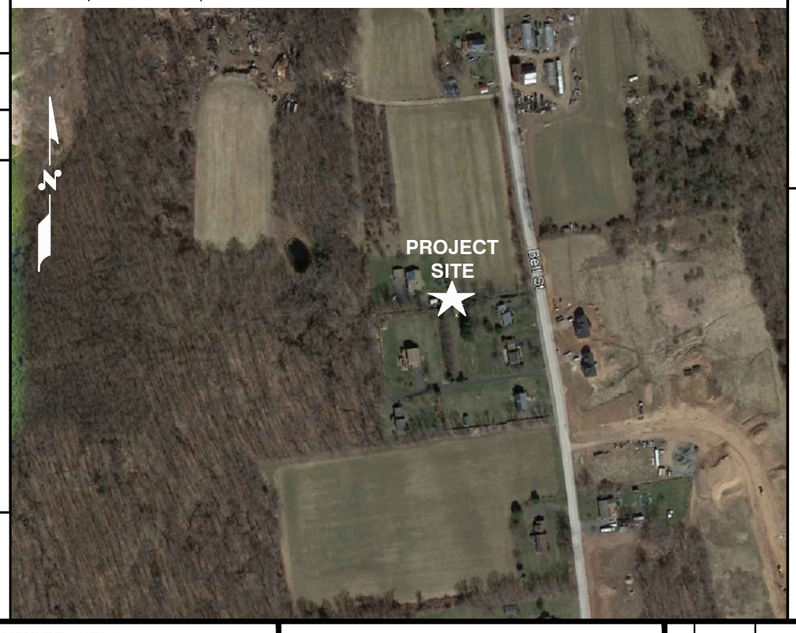
PROJECT: BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C UPGRADE

ISSUED FOR PERMITTING

VICINITY MAP

DIRECTIONS TO SITE:

HEAD SOUTH TOWARD ENTERPRISE DR, TURN LEFT ONTO ENTERPRISE DR, TURN LEFT ONTO CAPITAL BLVD, USE THE LEFT LANE TO TURN LEFT ONTO STATE HWY 411, TURN LEFT TO MERGE WITH I-91 N, MERGE WITH I-91 N, TAKE THE EXIT ONTO CT-3 N TOWARD GLASTONBURY, USE ANY LANE TO MERGE WITH CT-2 E TOWARD NORWICH, TAKE EXIT 8 FOR CT-94, USE ANY LANE TO TURN LEFT ONTO CT-94 E/HEBRON AVE, TURN LEFT ONTO BELL ST, DESTINATION WILL BE ON THE LEFT, GLASTONBURY, CT 06033.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T MOBILITY REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.
4. CONSTRUCTION DRAWINGS ARE VALID FOR SIX MONTHS AFTER ENGINEER OF RECORD'S STAMPED AND SIGNED SUBMITTAL DATE LISTED HEREIN.

72 HOURS

CALL
BEFORE YOU DIG
CALL TOLL FREE 1-800-922-4455
OR CALL 811

UNDERGROUND SERVICE ALERT

STATE OF CONNECTICUT · DANIEL P. DEMM · No. 24178 · LICENSED PROFESSIONAL ENGINEER

TEP NORTHEAST
TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

CENTERLINE
750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CTL01245
SITE NAME: GLASTONBURY-BELL ST
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577 BELL STREET
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HARTFORD COUNTY

AT&T
500 ENTERPRISE DRIVE, SUITE 3A
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NO.	DATE	REVISIONS	BY	CHK	APP'D
B	04/12/24	ISSUED FOR PERMITING	SG	AT	DPH
A	02/29/24	ISSUED FOR REVIEW	AM	AT	DPH

SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

AT&T

TITLE SHEET
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	T-1	B

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.

2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81 STANDARDS) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.

5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.

6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.

9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

   CONTRACTOR – CENTERLINE
   SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
   OWNER – AT&T MOBILITY

2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.

3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.

5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.

7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.

9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.

16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."

17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

20. **APPLICABLE BUILDING CODES:**
    SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

    BUILDING CODE: IBC 2021 WITH 2022 CT STATE BUILDING CODE AMENDMENTS
    ELECTRICAL CODE: 2020 NATIONAL ELECTRICAL CODE (NFPA 70-2020)

    SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

    AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

    AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION, ASD, FOURTEENTH EDITION;

    TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-H, STRUCTURAL STANDARDS FOR STEEL

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	MINIMUM	TBRR	TO BE REMOVED AND REPLACED
BTS	BASE TRANSCEIVER STATION	P	PROPOSED	TYP	TYPICAL
E	EXISTING	NTS	NOT TO SCALE	UG	UNDER GROUND
EGB	EQUIPMENT GROUND BAR	RAD	RADIATION CENTER LINE	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	RET	ANTENNA		

TEP NORTHEAST
TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

CENTERLINE
750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CTL01245
SITE NAME: GLASTONBURY-BELL ST
ATC SITE NUMBER: CT-207747

577 BELL STREET
GLASTONBURY, CT 06033
HARTFORD COUNTY

AT&T
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

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A	02/29/24	ISSUED FOR REVIEW	AM	AT	BPH

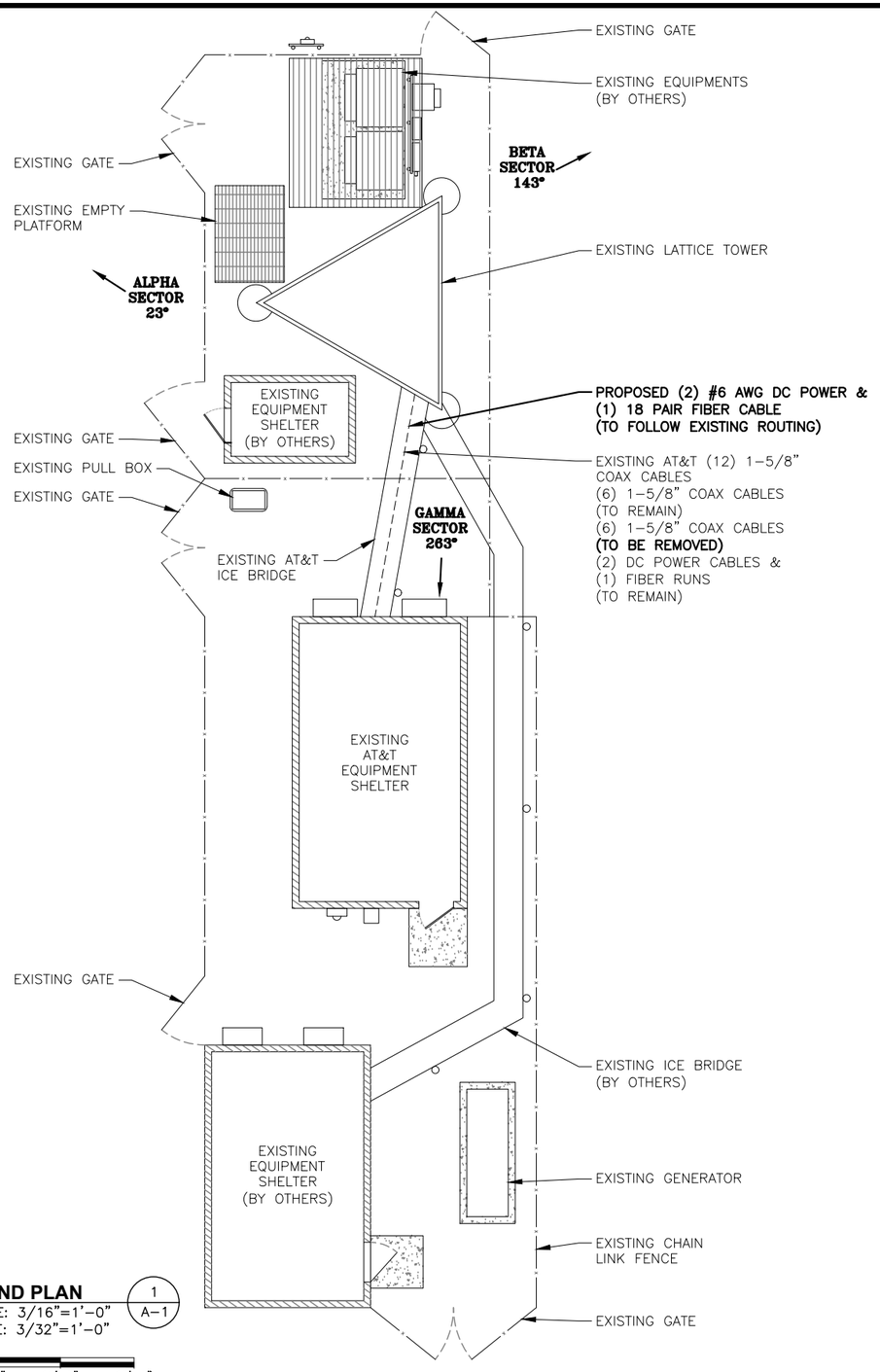
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

STATE OF CONNECTICUT
DANIEL M. LAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

GENERAL NOTES
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE
RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	GN-1	B



TRUE NORTH
13°49'
MAGNETIC NORTH

COMPOUND PLAN (1 / A-1)
22x34 SCALE: 3/16"=1'-0"
11x17 SCALE: 3/32"=1'-0"

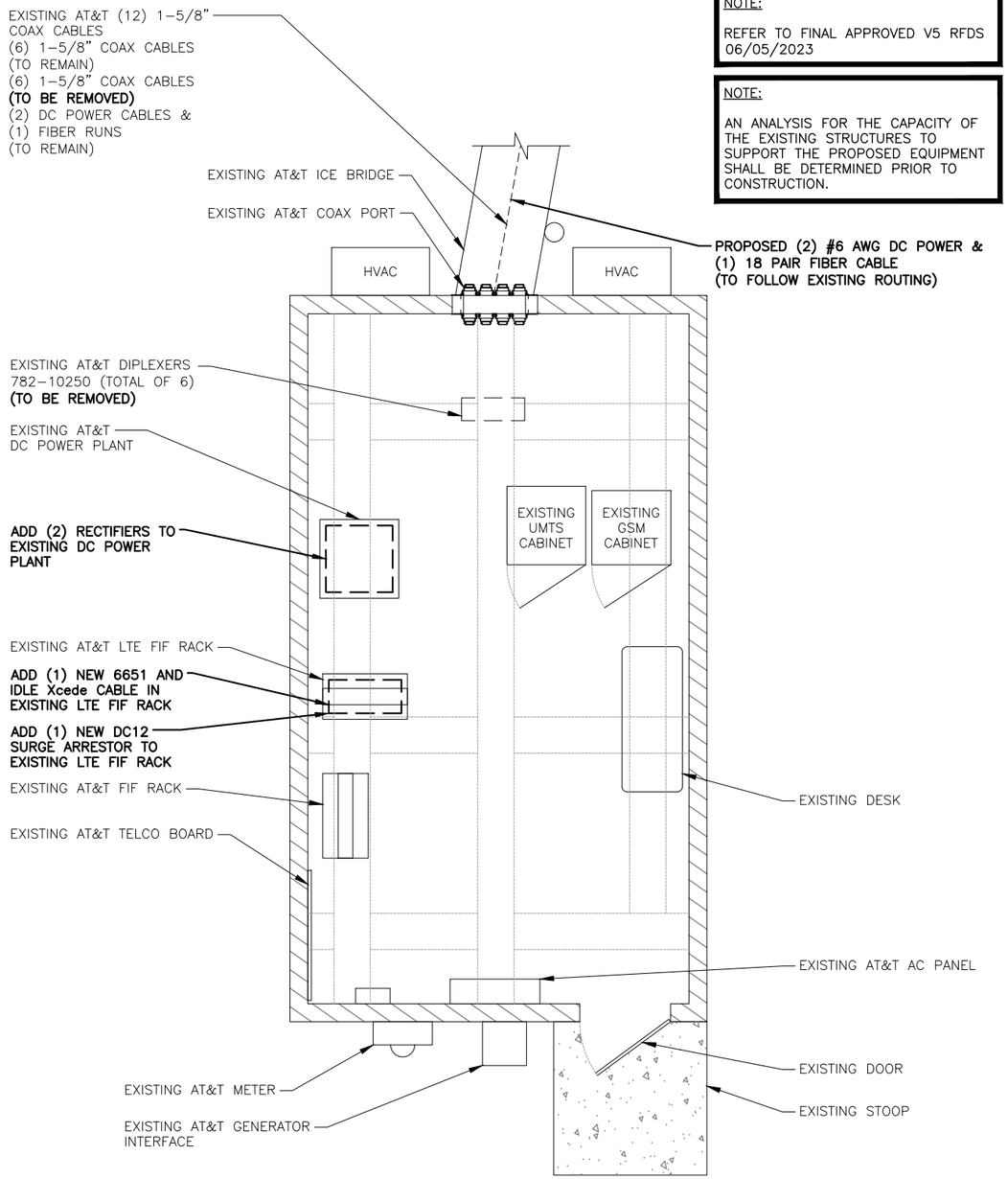
0 2'-8" 5'-4" 10'-8" 16'-0"

NOTE:

REFER TO FINAL APPROVED V5 RFDS 06/05/2023

NOTE:

AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.



TRUE NORTH
13°49'
MAGNETIC NORTH

EQUIPMENT PLAN (2 / A-1)
22x34 SCALE: 1/2"=1'-0"
11x17 SCALE: 1/4"=1'-0"

0 1'-0" 2'-0" 4'-0" 6'-0"

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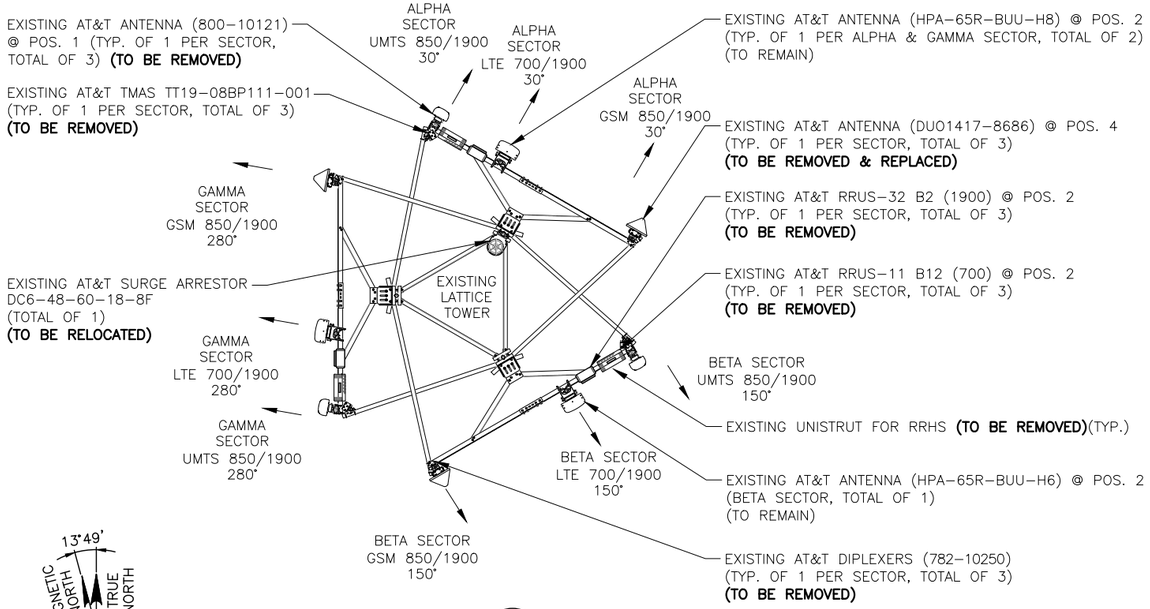
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

COMPOUND & EQUIPMENT PLANS
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE
RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	A-1	B

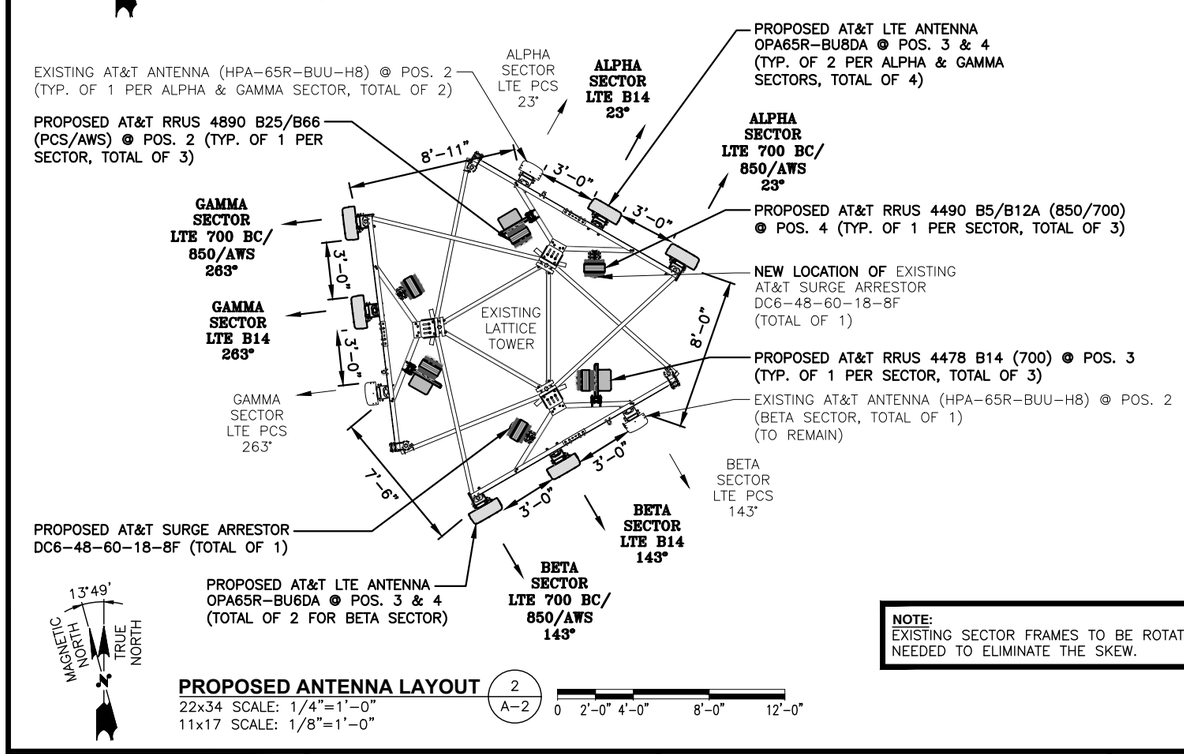


EXISTING ANTENNA LAYOUT

1 / A-2

22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

0 2'-0" 4'-0" 8'-0" 12'-0"



PROPOSED ANTENNA LAYOUT

2 / A-2

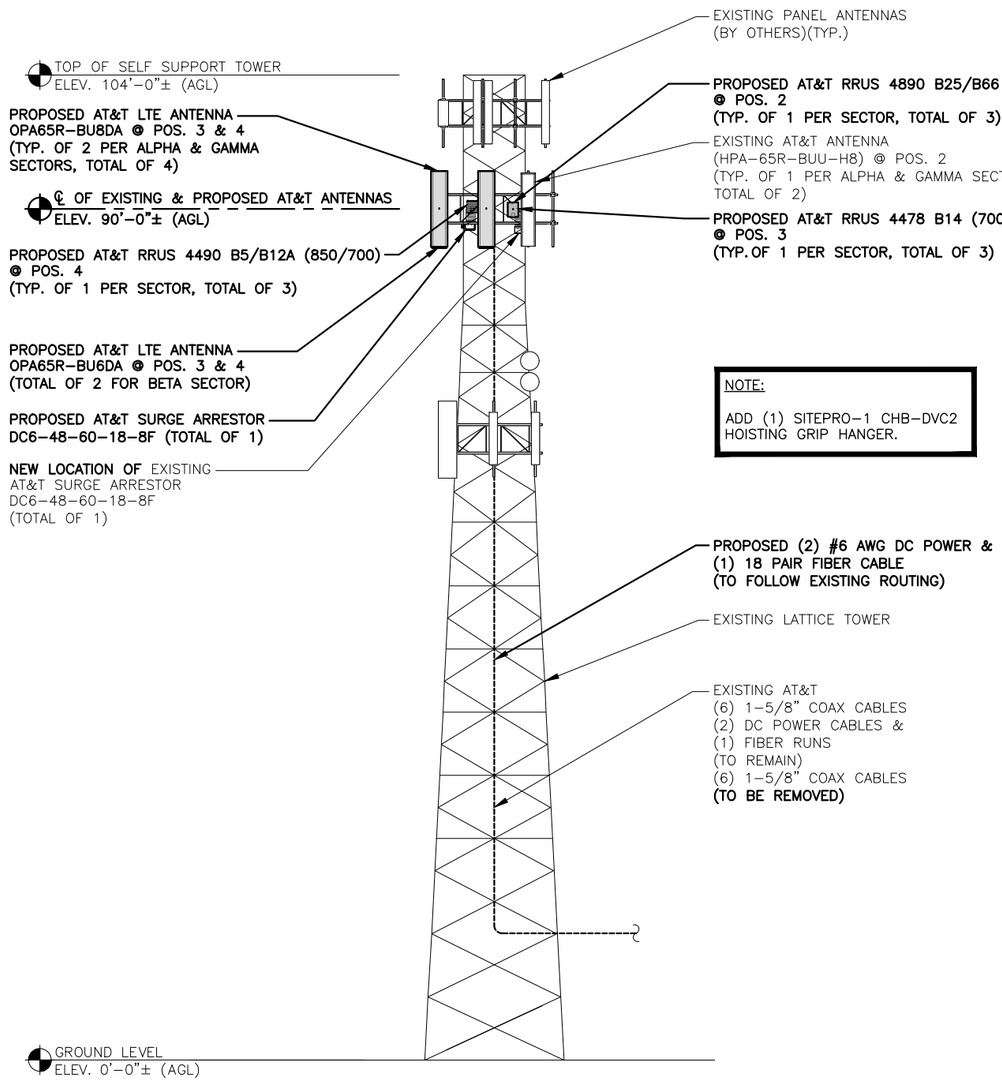
22x34 SCALE: 1/4"=1'-0"
11x17 SCALE: 1/8"=1'-0"

0 2'-0" 4'-0" 8'-0" 12'-0"

NOTE:
EXISTING SECTOR FRAMES TO BE ROTATED AS NEEDED TO ELIMINATE THE SKEW.

NOTE:
REFER TO FINAL APPROVED V5 RFDS 06/05/2023

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.



NOTE:
ADD (1) SITEPRO-1 CHB-DVC2 HOISTING GRIP HANGER.

ELEVATION

3 / A-2

22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

0 4'-0" 8'-0" 16'-0" 24'-0"

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

TEP NORTHEAST
TEP OPCO, LLC.
45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

CENTERLINE
750 WEST CENTER STREET, SUITE #301
WEST BRIDGEWATER, MA 02379

SITE NUMBER: CTL01245
SITE NAME: GLASTONBURY-BELL ST
ATC SITE NUMBER: CT-207747

577 BELL STREET
GLASTONBURY, CT 06033
HARTFORD COUNTY

AT&T
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

NO.	DATE	REVISIONS	BY	CHK	APP'D
B	04/12/24	ISSUED FOR PERMITING	SG	AT	DPH
A	02/29/24	ISSUED FOR REVIEW	AM	AT	DPH

SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

AT&T

ANTENNA LAYOUTS & ELEVATION
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	A-2	B

ANTENNA SCHEDULE

FINAL APPROVED V5 RFDS 06/05/2023

SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA ℄ HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	–	–	–	–	–	–	–	–	–	(E)(2) 1-5/8" COAX	(P) (1) RAYCAP DC6-48-60-18-8F
A2	EXISTING	LTE PCS	HPA-65R-BUU-H8	92.4"X14.8"X7.4"	90'-0"±	23°	–	(P)(1)RRUS-4890 B25/B66 (1900)	15.1"x17.5"x6.9"	(P)(1)(Y-CABLE)	
A3	PROPOSED	LTE B14	OPA65R-BU8DA	96"X20.7"X7.7"	90'-0"±	23°	–	(P)(1)RRUS-4478 B14 (700)	18.1"x13.4"x8.3"	(E)(2) DC POWER & (1) FIBER	
A4	PROPOSED	LTE 700 BC /850/AWS	OPA65R-BU8DA	96"X20.7"X7.7"	90'-0"±	23°	–	(P)(1)RRUS-4490 B5/B12A (850/700/AWS)	17.5"x15.1"x6.8"	(P)(1)(Y-CABLE)	
B1	–	–	–	–	–	–	–	–	–	(E)(2) 1-5/8" COAX	(E) (1) RAYCAP DC6-48-60-18-8F
B2	EXISTING	LTE PCS	HPA-65R-BUU-H6	72"X14.8"X9"	90'-0"±	143°	–	(P)(1)RRUS-4890 B25/B66 (1900)	15.1"X17.5"X6.9"	(P)(1)(Y-CABLE)	
B3	PROPOSED	LTE B14	OPA65R-BU6DA	71.2"X20.7"X7.7"	90'-0"±	143°	–	(P)(1)RRUS-4478 B14 (700)	18.1"x13.4"x8.3"	(P)(2) #6AWG DC POWER & (1) FIBER	
B4	PROPOSED	LTE 700 BC /850/AWS	OPA65R-BU6DA	71.2"X20.7"X7.7"	90'-0"±	143°	–	(P)(1)RRUS-4490 B5/B12A (850/700/AWS)	17.5"X15.1"X6.8"	(P)(1)(Y-CABLE)	
C1	–	–	–	–	–	–	–	–	–	(E)(2) 1-5/8" COAX	
C2	EXISTING	LTE PCS	HPA-65R-BUU-H8	92.4"X14.8"X7.4"	90'-0"±	263°	–	(P)(1)RRUS-4890 B25/B66 (1900)	15.1"X17.5"X6.9"	(P)(1)(Y-CABLE)	
C3	PROPOSED	LTE B14	OPA65R-BU8DA	96"X20.7"X7.7"	90'-0"±	263°	–	(P)(1)RRUS-4478 B14 (700)	18.1"x13.4"x8.3"		
C4	PROPOSED	LTE 700 BC /850/AWS	OPA65R-BU8DA	96"X20.7"X7.7"	90'-0"±	263°	–	(P)(1)RRUS-4490 B5/B12A (850/700/AWS)	17.5"x15.1"x6.8"	(P)(1)(Y-CABLE)	

RRU CHART

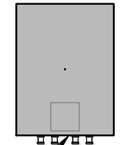
QUANTITY	MODEL	SIZE (L x W x D)
P(3)	4490 B5/B12A (850/700/AWS)	17.5"X15.1"X6.8"
P(3)	4890 B25/B66 (PCS/AWS)	15.1"X17.5"X6.9"
P(3)	4478 B14 (700)	18.1"x13.4"x8.3"

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS

NOTE:
REFER TO FINAL APPROVED V5 RFDS 06/05/2023

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

NOTE:
SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER

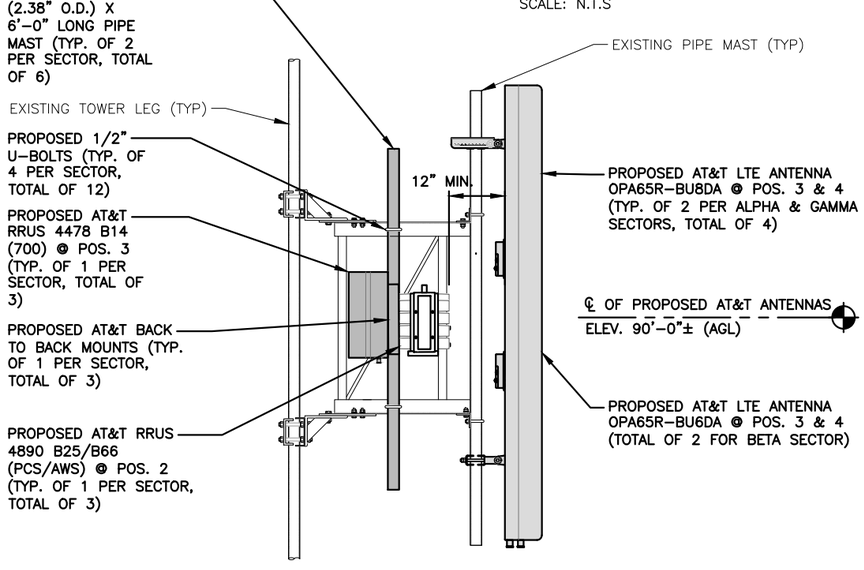


PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

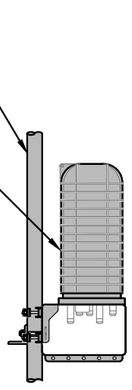
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

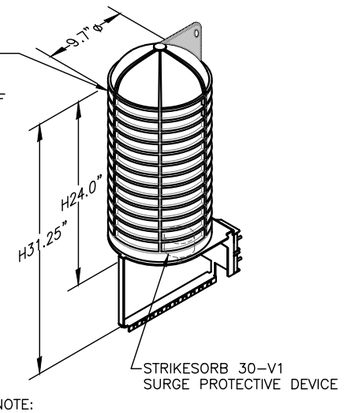
PROPOSED RRUS DETAIL (2 / A-3)
SCALE: N.T.S

FINAL ANTENNA CONFIGURATION (1 / A-3)
SCALE: N.T.S



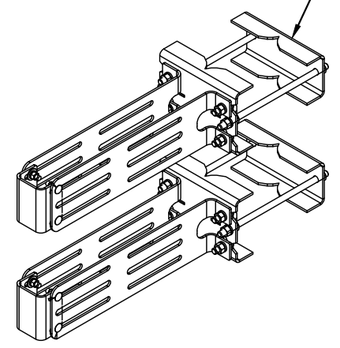
PROPOSED ANTENNAS @ POS. 3 & 4 (3 / A-3)
22x34 SCALE: 3/4"=1'-0"
11x17 SCALE: 3/8"=1'-0"
0 8" 1'-4" 2'-8" 4'-0"





NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

PROPOSED SURGE PROTECTOR MOUNTING DETAIL (4 / A-3)
SCALE: N.T.S



PROPOSED BACK TO BACK MOUNT, COMMSCOPE (RR-FA2) (5 / A-3)
SCALE: N.T.S

TEP NORTHEAST
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45 BEECHWOOD DRIVE, NORTH ANDOVER, MA 01845
TEL: (978) 557-5553

CENTERLINE
750 WEST CENTER STREET, SUITE #301
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SITE NUMBER: CTL01245
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ATC SITE NUMBER: CT-207747

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500 ENTERPRISE DRIVE, SUITE 3A
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B	04/12/24	ISSUED FOR PERMITING	SG	AT	DPH
A	02/29/24	ISSUED FOR REVIEW	AM	AT	DPH

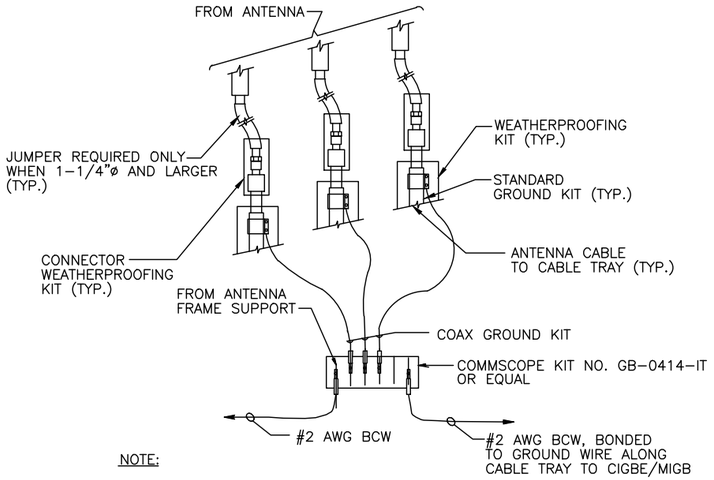
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

STATE OF CONNECTICUT
DANIEL P. HAMM
No. 24178
LICENSED PROFESSIONAL ENGINEER

AT&T

DETAILS
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	A-3	B



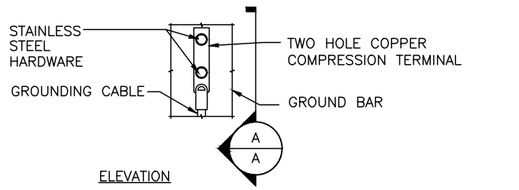
NOTE:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

GROUND WIRE TO GROUND BAR CONNECTION DETAIL

SCALE: N.T.S

1 / G-1



NOTES:

1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATION.
3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB

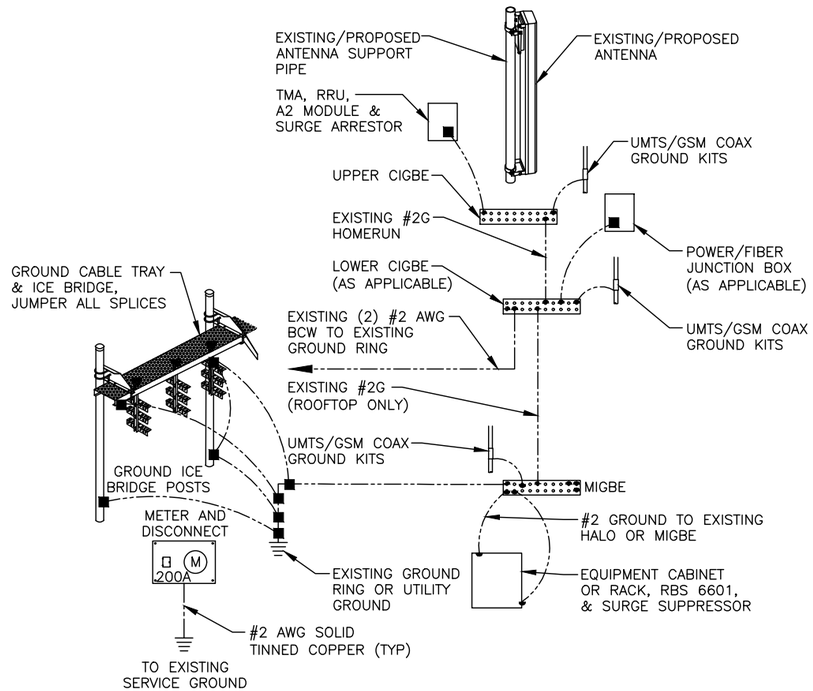
TYPICAL GROUND BAR CONNECTION DETAIL

SCALE: N.T.S

3 / G-1

AT&T GROUNDING STANDARDS TO BE FOLLOWED:

ATT-TP-76416
ATT-TP-76300
ATT-CEM-18002
ATT-002-290-531
ATT-002-290-701
ATT-CEM-23001



GROUNDING RISER DIAGRAM

SCALE: N.T.S

2 / G-1

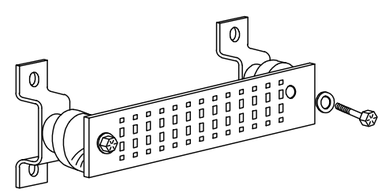
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" – SURGE PRODUCERS

CABLE ENTRY PORTS (HATCH PLATES) (#2 AWG)
GENERATOR FRAMEWORK (IF AVAILABLE) (#2 AWG)
TELCO GROUND BAR
COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2 AWG)
+24V POWER SUPPLY RETURN BAR (#2 AWG)
-48V POWER SUPPLY RETURN BAR (#2 AWG)
RECTIFIER FRAMES.

SECTION "A" – SURGE ABSORBERS

INTERIOR GROUND RING (#2 AWG)
EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
BUILDING STEEL (IF AVAILABLE) (#2 AWG)



GROUND BAR - DETAIL (AS REQUIRED)

SCALE: N.T.S

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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

STATE OF CONNECTICUT · DANIEL P. HAMM · No. 24178 · LICENSED PROFESSIONAL ENGINEER

AT&T

GROUNDING DETAILS
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	G-1	B

FINAL APPROVED V5 RFDS 06/05/2023

PLUMBING DIAGRAM TO BE INSERTED ONCE FINAL RFDS HAS BEEN RECEIVED

RF PLUMBING DIAGRAM (1 / RF–1)
SCALE: N.T.S

NOTE:
1. CONTRACTOR TO CONFIRM ALL PARTS.
2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

NOTE:

REFER TO FINAL APPROVED V5 RFDS 06/05/2023

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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: AM

AT&T

RF PLUMBING DIAGRAM
BWE SOFTWARE CARRIER, 4TX4RX SOFTWARE
RETROFIT, 5G NR RADIO, LTE 4C, LTE 3C

SITE NUMBER	DRAWING NUMBER	REV
CTL01245	RF–1	B

EXHIBIT 2

577 Bell St
Building

Directions Save Nearby Send to phone Share

577 Bell St, Glastonbury, CT 06033

Town of Glastonbury GIS Parcel Report

Report Generated 3/21/2024 10:00:57 AM

Owner of Record

GIS ID: 03200577
Owner: 577 BELL STREET LLC
Co-Owner: C/O WORTHINGTON TRACY
Address: 499 BELL ST
City, State ZIP: GLASTONBURY, CT 06033-1419

Account Number: 03200577
Property Address: 577 BELL ST

Property highlighted in blue

Parcel Information

Map/Street/Lot H3 / 0320 / W0011A **Property ID:** 12497
Developer Lot ID: 0001 **Water:** Well
Parcel Acreage: 1.28 **Sewer:** Septic
Zoning Code: RR **Census:** 5201

Valuation Summary

Item	Appraised Value	Assessed Value
Buildings	148300	103800
Land	318200	222700
Appurtenances	2100	1500
Total	**468600**	**328000**

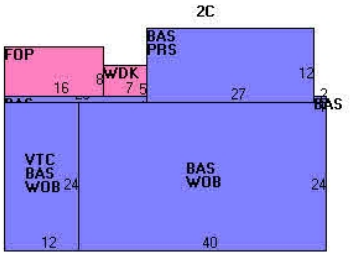
Owner of Record	Deed / Page	Sale Date	Sale Price
577 BELL STREET LLC	3606/0118	2020-01-02	0
577 BELL STREET LLC	3312/0219	2016-01-21	0
SPENCER JOHN B IRREV TRUST	2938/0349	2012-01-19	0
SPENCER JOHN B REV TRUST	2400/0050	2006-12-14	0
SPENCER JOHN	0311/1146	1985-12-19	0

Building Information

Building ID 12497

Year Constructed : 1977
Building Type : Residential
Style : Ranch
Occupany : Single Family
Stories : 1
Building Zone : RR
Roof Type : Gable
Roof Material : Asphalt Shingl
Est. Gross S.F. : 3620
Est. Living S.F. : 1597

Number of Rooms : 4
Number of Bedrooms : 02
Number of Bathrooms : 1
Number of Half-Baths : 0
Exterior Wall : Vinyl
Interior Wall : Drywall
Interior Floor : Pine
Interior Floor #2 : No entry
Air Conditioning Type : None
Heat Type : Forced Air
Fuel Type : Oil



Subarea Type	Est. Gross S.F.	Est. Living S.F.
First Floor	1597	1597
Porch, Open	128	0
Piers	324	0
Vaulted Ceiling	288	0
Wood Deck	35	0
Walk out basement	1248	0

Outbuilding Type	Est. Gross S.F.	Comments
Shed-Wood/Comp	560.00	

EXHIBIT 3

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure	:	104 ft Self Support Tower
ATC Asset Name	:	Glastonbury
ATC Asset Number	:	207747
Engineering Number	:	OAA790719_C3_02
Proposed Carrier	:	AT&T MOBILITY
Carrier Site Name	:	Glastonbury-Bell St
Carrier Site Number	:	CT1245
Site Location	:	577 Bell Street Glastonbury, CT 06033-1419 41.7337° N, 72.5497° W
County	:	Hartford
Date	:	April 9, 2024
Max Usage	:	97%
Analysis Result	:	Pass

Created By:

Taylor Kellner
Structural Engineer I

COA: PEC.0001553

Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 104 ft Self Support tower to reflect the change in loading by AT&T MOBILITY.

Supporting Documents

Tower:	Mapping by TEP Project #74779.491480, dated April 29, 2021
Foundation:	Mapping by Delta Oaks Group Project #BGI21-08508-02, dated May 18, 2021
Geotechnical:	Delta Oaks Group Project #GEO21-08508-02, dated April 14, 2021
Modification:	B&P Job #17004.002, dated January 20, 2017

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	118 mph (3-second gust)
Basic Wind Speed w/ Ice:	50 mph (3-second gust) w/ 1.50" radial ice concurrent
Code(s):	ANSI/TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	B
Risk Category:	II
Topographic Factor Procedure:	Method 1
Topographic Category:	1
Feature:	Flat
Spectral Response:	Ss = 0.20, S_1 = 0.06
Site Class:	D - Stiff Soil - Default

Wind load and Ice thickness have been reduced by applicable existing structure load modification factors in accordance with TIA-222-H, ANNEX-S

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please reach out to your American Tower contact. If you do not have an American Tower contact and have an Engineering question, please contact **Engineering@americantower.com** Please include the American Tower asset name, asset number, and engineering number in the subject line for any questions.

Structure Usages

Structural Component	Usage	Control	Location	Result
Leg	85.0%	User Input	Section 2	Pass
Diagonal	66.0%	Block Shear	Section 7	Pass
Horizontal	36.0%	Member Z	Section 6	Pass
Bolt	80.6%	-	Section 3	Pass
Serviceability Usage	8.6%	Deflection	Elevation 104 ft	Pass
Foundation	97.0%	-	-	Pass

Maximum Reactions

Foundation	Moment (k-ft)	Axial (k)	Uplift (k)	Shear (k)
Self Support Base (Global)	1,517.3	33.6	-	23.8
Self Support Base (Local)	-	130.6	106.6	15.0

Reactions shown are maximum overall and not limited by Load Case

Structure base reactions were analyzed using available geotechnical and foundation information.

AT&T MOBILITY Final Loading

Elev (ft)	Qty	Equipment	Lines
90.0	1	CCI HPA-65R-BUU-H6	(4) 0.78" (19.7mm) 8 AWG 6 (12) 1 5/8" Coax (2) 1 5/8" Hybriflex
	2	CCI HPA-65R-BUU-H8	
	2	CCI OPA65R-BU6D	
	2	Raycap DC6-48-60-18-8F	
	3	Ericsson RRUS 4478 B14	
	3	Ericsson Radio 4490HP 44B5 44B12A C	
	3	Ericsson Radio 4890HP 48B2/B25 48B66 M01	
	3	Light Sector Frame	
	4	CCI OPA65R-BU8D	

Install proposed lines in the place of the existing AT&T MOBILITY lines.

Other Existing/Reserved Loading

Elev (ft)	Qty	Equipment	Lines	Carrier
102.0	3	Alcatel-Lucent B13 RRH4x30-4R	(18) 1 5/8" Coax (2) 1 5/8" Hybriflex	VERIZON WIRELESS
	3	Alcatel-Lucent RRH4x30W-B25		
	3	Alcatel-Lucent RRH4x45-1900		
	3	Amphenol Antel BXA-70063-6CF-EDIN-X		
	3	Commscope LNX-8514DS-T4M		
	3	Sector Frame		
	3	RFS DB-T1-6Z-8AB-0Z		
	6	Andrew SBNHH-1D65B		
79.0	1	Decibel DB806-XT	(1) 1/2" Coax	TOWN OF GLASTONBURY, CT
75.8	1	Commscope VHLP3-11W	-	TOWN OF GLASTONBURY, CT
74.0	1	Side Arm	-	TOWN OF GLASTONBURY, CT
73.5	1	Side Arm	-	TOWN OF GLASTONBURY, CT
72.6	1	Commscope VHLP3-11W	-	TOWN OF GLASTONBURY, CT
65.0	3	Ericsson AIR 21	(3) 1 5/8" Hybriflex (3) 1.25" (31.8mm) Hybrid	METRO PCS INC
	3	Ericsson AIR 32 (57" Height)		
	3	Ericsson Radio 4449 B12,B71		
	3	Mount Reinforcement		
	3	Sector Frame		
	3	Jaybeam SmartTilt AISG Modem		
	3	RFS APXVAARR24_43-U-NA20		
55.0	1	Commscope RDIDC-9181-PF-48	(1) 1.60" (40.6mm) Hybrid	DISH WIRELESS L.L.C.
	3	Fujitsu TA08025-B604		
	3	Fujitsu TA08025-B605		
	3	Sector Frame		
	3	JMA Wireless MX08FRO665-21		

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

Standard Conditions

All engineering services performed by A.T. Engineering Services LLC are prepared on the basis that the information used is current and correct. This information may consist of, but is not limited to the following:

- Information supplied by the client regarding antenna, mounts, and feed line loading
- Information from drawings, design and analysis documents, and field notes in the possession of A.T. Engineering Services LLC

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Services LLC and used in the performance of our engineering services is correct and complete.

All assets of American Tower Corporation, its affiliates, and subsidiaries (collectively "American Tower") are inspected at regular intervals. Based upon these inspections and in the absence of information to the contrary, American Tower assumes that all structures were constructed in accordance with the drawings and specifications.

Unless explicitly agreed by both the client and A.T. Engineering Services LLC, all services will be performed in accordance with the current revision of ANSI/TIA-222.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Services LLC is not responsible for the conclusions, opinions and recommendations made by others based on the information supplied herein.

EXHIBIT 4

March 1, 2024

David Ford
Centerline Communications
95 Ryan Drive
Raynham, MA 02767
(508) 821-6509

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351
Structures@tepgroup.net

Subject:	**Appurtenance Mount Analysis**	
Carrier Designation:	***AT&T Mobility* Reconfiguration**	
	Site Number:	CT1245
	FA Location Code:	10050975
Engineering Firm Designation:	**TEP Project Number:**	74779.931456
Site Data:	**577 Bell Street, Glastonbury, Hartford County, CT 06033** **Latitude *41° 44' 01.06"*, Longitude *-72° 32' 58.85"*** **104.0 ± Foot - Self-Support Tower** **90.0 Foot Mount Height - Sector**	

Dear David Ford,

Tower Engineering Professionals is pleased to submit this **"Appurtenance Mount Analysis"** to determine the structural integrity of the antenna mount on the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the mount's stress level. Based on our analysis we have determined the stress level for the mount structure, under the following load case, to be:

LC1: Existing + Proposed + Reserved Loading **Sufficient Capacity**
Note: See Table 2 for the existing, proposed, and reserved loading

Mount Capacity
76.7%

The analysis has been performed in accordance with the ANSI/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas, and Small Wind Turbine Support Structures, the 2022 Connecticut state Building Code, and the AT&T Mount Technical Guidance – Revision 22.

All equipment proposed in this report shall be installed in accordance with the appurtenances listed in Table 2 for the determined available structural capacity to be effective.

We at *Tower Engineering Professionals* appreciate the opportunity of providing our continuing professional services to you and *Centerline Communications.* If you have any questions or need further assistance on this or any other projects, please give us a call.

Respectfully submitted by:

Aaron T. Rucker, P.E.

03/01/2024

ANALYSIS CRITERIA

Table 1 - Mount Analysis Parameters

Ultimate Wind Speed (MPH)	Ice Thickness (in)	Ice Wind Speed (MPH)	Exposure Category	Risk Category	Topographic Procedure	K_{zt}	Seismic Design Category	Maintenance Loads
118	***1.5***	***50***	***C***	***II***	***Method 2***	***1.0***	***B***	***Lm = 250 lbs***
								Lv = 250 lbs

Table 2 - Existing, Proposed, and Reserved Antenna Loading Configuration

Existing/ Proposed/ Reserved	Mount Level (ft)	Ant CL (ft)	Qty	Antenna Model	Mount Type	Owner/ Tenant
Proposed	***90.0***	***90.0***	***4***	***CCI Antennas OPA65R-BU8DA***	(3) Sectors	***AT&T***
			2	***CCI Antennas OPA65R-BU6DA***		
			3	***Ericsson RRUS 4890 B25/B66***		
			3	***Ericsson RRUS 4490 B5/B12A***		
			3	***Ericsson RRUS 4478 B14***		
			1	***Raycap DC6-48-60-18-8F***		
Existing	90.0	90.0	2	CCI HPA-65R-BUU-H8-K		AT&T
			1	CCI HPA-65R-BUU-H6-K		
			1	Raycap DC6-48-60-18-8F		
To Be Removed	*90.0*	*90.0*	*3*	*Kathrein 800-10121*	-	*AT&T*
			3	*CSS DUO1417-8686*		
			3	*Ericsson RRUS-11 B12*		
			3	*Ericsson RRUS-32 B2*		
			3	*Kathrein 782-10250*		
			3	*Powerwave TT19-08BP111-001*		
			3	*CCI Antenna DTMABP7819VG12A*		

ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

Notes	Component	% Capacity	Pass / Fail
-	Face Horizontal	35.8	Pass
-	Support Horizontals	28.1	Pass
-	Support Bracings	17.5	Pass
-	Stabilizer Arms	6.2	Pass
-	Threaded Rods	76.6	Pass
-	Mount Pipe	54.1	Pass
1	Connection Bolts	3.1	Pass

Structure Rating (max from all components) =	**76.6%**

Notes:
1) See additional documentation in “Appendix B - Additional Calculations” for calculations supporting the % capacity listed.

Table 4 - TARP Mount Specification

RAD Center	Number of Loaded Mount Pipes / Sector	Allowable EPA per Pipe[1] (ft^2)	Allowable Weight per Pipe[1] (lbf)
90.0	***3***	***14.4***	***84.7***

Notes:
1) This allowable value is an average of the loaded mount pipes per sector.

Table 5 - Documents Provided

Document	Remarks	Source
Previous Mount Analysis	Tower Engineering Professionals, dated June 5, 2023 TEP No: 315913.739353, Rev.1	TEP
Mount Mapping	Tower Engineering Professionals, dated April 29, 2021 TEP No: 74779.491480	TEP
Mount Mapping	Pro Vertic, dated August 4, 2022 FA # 10050975	Centerline Communications
Construction Drawings	TEP Northeast, dated May 30, 2023 Site No. CTL01245	TEP
RFDS	AT&T Mobility, dated June 5, 2023 RFDS ID: 5112698	Centerline Communications

RECOMMENDATIONS

1) If the load differs from that described in Table 2 of this report or the provisions of this analysis are found to be invalid, another structural analysis should be performed.
2) The mount and its connection have sufficient capacity to carry the proposed loading configuration. To satisfy the AT&T-790-202-083 Macro Build Standards, the mount modifications listed below must be completed to accommodate installation of all existing and proposed radio equipment:

    a) (9) SitePro P2120, 2SCH40x10-ft Pipes (Conmat No.55993)

ANALYSIS ASSUMPTIONS

1) The mount was built in accordance with the manufacturer's specifications.
2) The mount has been maintained in accordance with the manufacturer's specification.
3) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 2. All mount components have been assumed to be in sufficient condition to carry their full design capacity for this analysis. Refer to the issued mapping for any structural and/or maintenance issues found during our site visit.
4) Serviceability with respect to antenna twist, tilt, roll, or lateral translation, is not checked and is left to the carrier or tower owner to ensure conformance.
5) All material grades used for this analysis, unless verified by mount manufacturer design, were assumed per AISC Table 2-4, 15th Edition. See RISA 3-D output for confirmation on grades used in this analysis.

This analysis may be affected if any assumptions are not valid or have been made in error. Tower Engineering Professionals should be notified to determine the effect on the structural integrity of the mount.

EXHIBIT 5

Radio Frequency Exposure Analysis Report

April 17, 2024

AT&T

Site Name: GLASTONBURY-BELL ST
Site ID: CTL01245
FA#: 10050975
Site Address: 577 Bell Street, Glastonbury, CT 06033

Michael Fischer, P.E.
Registered Professional Engineer (Electrical)
Connecticut License Number 33928
Expires January 31, 2025

Signed 17 April 2024

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	14.00403 µW/cm^2
Cumulative General Population % MPE (Ground Level):	1.40058%
Cumulative Calculated Power Density (35' Rooftop):	0.02573 µW/cm^2
Cumulative General Population % MPE (35' Rooftop):	0.00337%%

April 17, 2024

Centerline
Attn: David Ford, Program Manager
750 W Center St, Suite 301
West Bridgewater, MA 02379

RF Exposure Analysis for Site: **GLASTONBURY-BELL ST**

Centerline was contracted to analyze the proposed AT&T facility at **577 Bell Street, Glastonbury, CT 06033** for the purpose of determining whether the predictive exposure from the proposed facility is within specified federal limits.

All information used in this report was analyzed as a percentage of the Maximum Permissible Exposure (% MPE) limits as detailed in 47 CFR § 1.1310 as well as Federal Communications Commission (FCC) OET Bulletin 65 Edition 97-01. The FCC MPE limits are typically expressed in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter ($\mu W/cm^2$). The exposure limits vary depending upon the frequencies being utilized. The General Population/Uncontrolled MPE limit (in mW/cm^2) for frequencies between 300 and 1500 is defined as frequency (in MHz) divided by 1500 ($f_{MHz}/1500$). Frequencies between 1500 and 100,000 MHz have a General Population/Uncontrolled MPE limit of 1 mW/cm^2 (1000 $\mu W/cm^2$). The calculated power density at each sample point divided by the limit at each calculated frequency provides a result in % MPE. Summing the calculated % MPE from all contributors provides a cumulative % MPE at a particular sample point. Wireless carriers use different frequency bands with varying MPE limits; therefore, it is useful to report results in terms of % MPE as opposed to power density.

All results were compared to the FCC radio frequency exposure rules as detailed in 47 CFR § 1.1307(b) to determine compliance with the MPE limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits, as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means. Additional details can be found in FCC OET 65.

Calculation Methodology

Centerline has performed theoretical modeling of the site using a software tool, RoofMaster®, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.

Data & Results

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at ground level and on the adjacent 35' rooftop.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average) and the adjacent 35' rooftop (35-41' spatial average). The results from highest cumulative sample points at ground level surrounding the site and on the adjacent 35' rooftop are displayed in the tables below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table(s) below. The cumulative power density and cumulative % MPE are displayed at the bottom of the table(s) below.

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Maximum Calculated Cumulative Power Density @ Ground Level
(Location: approximately 531' southeast of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
AT&T A 1	CCI HPA-65R-BUU-H8-	1900	14.75	90.00	4.00	30.00	3582.46	0.00000	1000.00	0.00000
AT&T A 2	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	850	13.75	90.00	4.00	30.00	2845.65	0.00000	566.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	2100	15.25	90.00	4.00	30.00	4019.59	0.00000	1000.00	0.00000
AT&T B 4	CCI HPA-65R-BUU-H6-	1900	14.51	90.00	4.00	30.00	3389.86	0.00013	1000.00	0.00001
AT&T B 5	CCI OPA65R-BU6D	700	11.85	90.00	4.00	30.00	1837.30	0.00022	466.67	0.00005
AT&T B 6	CCI OPA65R-BU6D	700	11.85	90.00	4.00	30.00	1837.30	0.00022	466.67	0.00005
AT&T B 6	CCI OPA65R-BU6D	850	11.95	90.00	4.00	30.00	1880.10	0.00019	566.67	0.00003
AT&T B 6	CCI OPA65R-BU6D	2100	14.95	90.00	4.00	30.00	3751.30	0.00012	1000.00	0.00001
AT&T C 7	CCI HPA-65R-BUU-H8-	1900	14.75	90.00	4.00	30.00	3582.46	0.00000	1000.00	0.00000
AT&T C 8	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T C 9	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T C 9	CCI OPA65R-BU8D	850	13.75	90.00	4.00	30.00	2845.65	0.00000	566.67	0.00000
AT&T C 9	CCI OPA65R-BU8D	2100	15.25	90.00	4.00	30.00	4019.59	0.00000	1000.00	0.00000
Verizon A 10	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00000	566.67	0.00000
Verizon A 11	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon A 11	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon A 11	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon A 12	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon A 12	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon A 12	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon A 13	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	0.30652	1000.00	0.03065
Verizon B 14	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00014	566.67	0.00002
Verizon B 15	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00014	466.67	0.00003
Verizon B 15	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00014	1000.00	0.00001
Verizon B 15	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00016	1000.00	0.00002
Verizon B 16	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00014	466.67	0.00003
Verizon B 16	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00014	1000.00	0.00001
Verizon B 16	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00016	1000.00	0.00002
Verizon B 17	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	13.38019	1000.00	1.33802
Verizon C 18	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00000	566.67	0.00000
Verizon C 19	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon C 19	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon C 19	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon C 20	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon C 20	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon C 20	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon C 21	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	0.31366	1000.00	0.03137
T-Mobile A 22	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00000	1000.00	0.00000
T-Mobile A 23	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00000	1000.00	0.00000

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (µW/cm²)	General Population MPE Limit (µW/cm²)	General Population % MPE
T-Mobile A 24	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00000	400.00	0.00000
T-Mobile A 24	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
T-Mobile A 24	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00000	1000.00	0.00000
T-Mobile B 25	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00033	1000.00	0.00003
T-Mobile B 26	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00034	1000.00	0.00003
T-Mobile B 27	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00032	400.00	0.00008
T-Mobile B 27	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00035	466.67	0.00007
T-Mobile B 28	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00042	1000.00	0.00004
T-Mobile C 29	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00000	1000.00	0.00000
T-Mobile C 30	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00000	1000.00	0.00000
T-Mobile C 31	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00000	400.00	0.00000
T-Mobile C 31	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
T-Mobile C 31	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00000	1000.00	0.00000
							Cumulative Power Density:	**14.00403 µW/cm²**	**Cumulative % MPE:**	**1.40058%**

CENTERLINE

Maximum Calculated Cumulative Power Density on Adjacent 35' Rooftop
(Location: approximately 175' southwest of site)

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (μW/cm²)	General Population MPE Limit (μW/cm²)	General Population % MPE
AT&T A 1	CCI HPA-65R-BUU-H8-	1900	14.75	90.00	4.00	30.00	3582.46	0.00000	1000.00	0.00000
AT&T A 2	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00000	466.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	850	13.75	90.00	4.00	30.00	2845.65	0.00000	566.67	0.00000
AT&T A 3	CCI OPA65R-BU8D	2100	15.25	90.00	4.00	30.00	4019.59	0.00000	1000.00	0.00000
AT&T B 4	CCI HPA-65R-BUU-H6-	1900	14.51	90.00	4.00	30.00	3389.86	0.00002	1000.00	0.00000
AT&T B 5	CCI OPA65R-BU6D	700	11.85	90.00	4.00	30.00	1837.30	0.00007	466.67	0.00001
AT&T B 6	CCI OPA65R-BU6D	700	11.85	90.00	4.00	30.00	1837.30	0.00007	466.67	0.00001
AT&T B 6	CCI OPA65R-BU6D	850	11.95	90.00	4.00	30.00	1880.10	0.00001	566.67	0.00000
AT&T B 6	CCI OPA65R-BU6D	2100	14.95	90.00	4.00	30.00	3751.30	0.00001	1000.00	0.00000
AT&T C 7	CCI HPA-65R-BUU-H8-	1900	14.75	90.00	4.00	30.00	3582.46	0.00052	1000.00	0.00005
AT&T C 8	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00072	466.67	0.00016
AT&T C 9	CCI OPA65R-BU8D	700	13.15	90.00	4.00	30.00	2478.46	0.00072	466.67	0.00016
AT&T C 9	CCI OPA65R-BU8D	850	13.75	90.00	4.00	30.00	2845.65	0.00049	566.67	0.00009
AT&T C 9	CCI OPA65R-BU8D	2100	15.25	90.00	4.00	30.00	4019.59	0.00043	1000.00	0.00004
Verizon A 10	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00000	566.67	0.00000
Verizon A 11	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon A 11	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon A 11	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon A 12	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
Verizon A 12	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00000	1000.00	0.00000
Verizon A 12	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00000	1000.00	0.00000
Verizon A 13	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	0.00016	1000.00	0.00002
Verizon B 14	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00002	566.67	0.00000
Verizon B 15	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00003	466.67	0.00001
Verizon B 15	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00001	1000.00	0.00000
Verizon B 15	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00003	1000.00	0.00000
Verizon B 16	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00003	466.67	0.00001
Verizon B 16	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00001	1000.00	0.00000
Verizon B 16	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00003	1000.00	0.00000
Verizon B 17	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	0.00097	1000.00	0.00010
Verizon C 18	GENERIC PANEL	850	12.25	100.00	4.00	40.00	2686.09	0.00057	566.67	0.00010
Verizon C 19	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00052	466.67	0.00011
Verizon C 19	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00048	1000.00	0.00005
Verizon C 19	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00057	1000.00	0.00006
Verizon C 20	GENERIC PANEL	700	12.31	100.00	4.00	40.00	2723.45	0.00052	466.67	0.00011
Verizon C 20	GENERIC PANEL	1900	15.05	100.00	4.00	40.00	5118.23	0.00048	1000.00	0.00005
Verizon C 20	GENERIC PANEL	2100	15.53	100.00	4.00	40.00	5716.37	0.00057	1000.00	0.00006
Verizon C 21	GENERIC PANEL	3700	23.45	100.00	4.00	50.00	44261.89	0.01093	1000.00	0.00109
T-Mobile A 22	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00000	1000.00	0.00000
T-Mobile A 23	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00000	1000.00	0.00000

Antenna ID	Make / Model	Frequency Band (MHz)	Antenna Gain (dBd)	Antenna Centerline (ft)	Channel Count	TX Power/ Channel (watts)	ERP (watts)	Calculated Power Density (µW/cm²)	General Population MPE Limit (µW/cm²)	General Population % MPE
T-Mobile A 24	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00000	400.00	0.00000
T-Mobile A 24	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00000	466.67	0.00000
T-Mobile A 24	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00001	1000.00	0.00000
T-Mobile B 25	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00005	1000.00	0.00001
T-Mobile B 26	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00007	1000.00	0.00001
T-Mobile B 27	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00006	400.00	0.00002
T-Mobile B 27	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00007	466.67	0.00002
T-Mobile B 28	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00005	1000.00	0.00001
T-Mobile C 29	GENERIC PANEL	1900	15.54	66.00	4.00	40.00	5729.54	0.00118	1000.00	0.00012
T-Mobile C 30	GENERIC PANEL	2100	15.71	66.00	4.00	40.00	5958.27	0.00113	1000.00	0.00011
T-Mobile C 31	GENERIC PANEL	600	11.66	66.00	4.00	40.00	2344.88	0.00160	400.00	0.00040
T-Mobile C 31	GENERIC PANEL	700	12.31	66.00	4.00	40.00	2723.45	0.00126	466.67	0.00027
T-Mobile C 31	GENERIC PANEL	2500	14.81	66.00	2.00	100.00	6053.83	0.00126	1000.00	0.00013
							Cumulative Power Density:	**0.02573 µW/cm²**	**Cumulative % MPE:**	**0.00337%**

Summary

The theoretical calculations performed for this analysis yielded cumulative power density totals in all areas at ground level and the adjacent 35’ rooftop that are within the allowable federal limits for public exposure to RF energy. Therefore, the site is **compliant** with FCC rules and regulations.

Samuel Cosgrove
RF EME Technical Writer II
Centerline

EXHIBIT 6

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Internet: ct.gov/csc

Daniel F. Caruso
Chairman

#19

GLASTONBURY – 1083 / 1245
MANCHESTER – 1080
STAFFORD – 1049
WINDSOR – 1026

October 1, 2007

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067

RE: **EM-CING-054-054-077-134-164-070911** – New Cingular Wireless PCS, LLC notice of intent to modify existing telecommunications facilities located at 2108 Main Street, Glastonbury; 577 Bell Street, Glastonbury; 60 Adams Street, Manchester; 46 Brendon Street, Stafford; and 419 Broad Street, Windsor, Connecticut.

Dear Mr. Levine:

At a public meeting held on September 25, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated August 31, 2007, including the placement of all necessary equipment and shelters within the tower compounds. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to existing facility sites that would not increase tower heights, extend the boundaries of the tower sites, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power densities measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to any of these facilities will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso FOC

Daniel F. Caruso
Chairman

DFC/MP/cm

c: The Honorable Susan Karp, Chairman Town Council, Town of Glastonbury
Kenith Leslie, Community Development Director, Town of Glastonbury
The Honorable Allen Bacchiochi, First Selectman, Town of Stafford
Wendell Avery, Zoning Enforcement Officer, Town of Stafford
The Honorable Donald Trinks, Mayor, Town of Windsor
Mario Zavarella, Town Planner, Town of Windsor
The Honorable Josh M. Howroyd, Mayor, Town of Manchester
Thomas R. O'Marra, Zoning Enforcement Officer, Town of Manchester
Cox Communications
W. B. Thornton Real Estate
Crown Castle

See Other Side

577 ← ~~589~~ BELL STREET

TOWN OF GLASTONBURY, CONNECTICUT

BUILDING PERMIT

№ 20245

ZBA Approved: ..... Date 4-24-80

Building Zone ..... Net floor area ..... sq. ft. OA Dimensions .....

Property Line: Street Lot Line .....ft. Rear Lot Line .....ft.

Clearances: Right Side Lot Line .....ft. Left Side Lot Line .....ft.

Lot No. .....

Estimated Costs:

Structural	$ 8,000.00
Plumbing	$
Electrical	$
Heat/Air Cond'g	$
Total	$ 8,000.00

Fees:

Use & Occupancy Certificate	$ 5.00
Structural Fee	48.00
Plumbing Permit	
Electrical Permit	
Heat/Air Cond'g Permit	
Total	$ 53.00

Greater Hartford CATV, 801 Parker Street, Manchester is authorized to proceed with the: Construction of the 90' TOWER FOR CATV OF MANCHESTER

Which (is) (is to be) Located at: 577 ← ~~589~~ BELL STREET in the Town of Glastonbury, Connecticut, the Owner of Record of which on this date is: MR. SPENCER

in accordance with plans and specifications for the structure which have been filed with the Building Department hereof.

FILE COPY

Bernard G. Dion

Building Official

5-13-80 - Inspected Elec Service + Wiring
O.K. R.D. + Ed.

5-28-80 - Wiring Certificate - Sent
4E000897

DEPARTMENT DECISION

Application is hereby

☑ Approved ☐ Disapproved

6-24-80 — Date

O.C.E. — Inspector

Building Official may demand affidavit of actual cost.

Estimated Costs:		Use & Occupancy Certificate	$ 5.00
Structural	$ 8000	Structural Fee	48
Plumbing		Plumbing Permit	
Electrical		Electrical Permit	
Heat/Air Cond'g.		Heat/Air Cond'g. Permit	
Total	$ 8000.—	Total	$ 53.—

Application For Building Permit

BUILDING DEPARTMENT

Town of Glastonbury, Conn.

APPLICATION MUST BE PRINTED OR TYPED

1. Location of Job ~~589~~ 577 Bell St
   Zone
   Lot # .....
   No. Street

2. Owner Mr. Spencer

3. Address 589 Bell St Glastonbury
   No. Street Phone
   06033 Connecticut
   Town or City State

4. Applicant Greater Hartford CATV

5. Address 801 Parker St 6466400
   No. Street Phone
   Manchester Connecticut 06040
   Town or City State

6. Architect .....

7. Address .....
   No. Street
   Town or City State

8. Builder .....

9. Address .....
   No. Street
   Town or City State

10. Fee covers ☐ Certificate of occupancy
    ☐ Plumbing ☐ Heating ☐ Electrical

11. Type of Job
    ☐ Alteration ☐ Original Construction
    ☐ Addition ☐ Demolition
    ☐ Repair

12. Type of Building
    ☐ Commercial ☐ Residential
    ☐ Miscellaneous
    No. of Families

13. Distance from street line ..... rear line .....

14. Distance from lot line .....
    Right Side Left Side

15. Size of building .....
    No. of Stories
    Height Depth Front

16. Material of footing .....
    Depth below Grade Width Thickness

17. Material of foundation .....
    Below grade .....
    Depth Thickness
    Above grade .....
    Height Thickness

18. Material of chimney .....
    Foundation Height .....
    Width Depth .....

19 No. of flues Size .....
    Thickness of lining .....
    ☐ City Sewer ☐ Septic Tank
    ☐ Private Well ☐ Community Well
    ☐ Public Water Supply

MASONRY CONSTRUCTION

20.	FRONT WALL	SIDE WALL	REAR WALL	PARTITION WALL	VENEER
Basement					
1st Story					
2nd Story					

WOOD CONSTRUCTION

	JOISTS				GIRDERS			COLUMNS OR PIERS			
21.	Size	Longest Span	Centers	Bridging	Size	Longest Span	Centers	Size	Length	Centers	Footing
1st											
2nd											
3rd											

22. Size of sill ..... Size of outside studs ..... Distance on centers .....

23. Size studs of bearing partitions ..... Centers ..... Are joists double under partitions? .....

24. Size of plate ..... Size of headers ..... Will firestops be provided? .....

25. Size of rafters ..... Distance on centers ..... Size of hip or valley rafter .....

26. Species & grade of framing .....

27. Type and grade of sheathing .....

28. Stairs: Head Room .....1st to 2nd Flr. .....Basement Treads .....1st to 2nd Flr. .....Basement Risers .....1st to 2nd Flr. .....Basement

29. Further Details To Erect a 90' Tower for C.A.T.V of Manchester

30. All work covered by this application has been authorized by the (owner) or (agent) of this property and will be done according to approved plans and all local codes and regulations.

4/24/80
DATE

Carl Dunning
APPLICANT

EXHIBIT 7

UPS CampusShip: View/Print Label

1. **Ensure there are no other shipping or tracking labels attached to your package.** Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.

2. **Fold the printed label at the solid line below.** Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.

3. **GETTING YOUR SHIPMENT TO UPS**
   Customers with a Daily Pickup
   Your driver will pickup your shipment(s) as usual.

   Customers without a Daily Pickup
   Schedule a same day or future day Pickup to have a UPS driver pickup all your CampusShip packages.
   Hand the package to any UPS driver in your area.
   Take your package to any location of The UPS Store®, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampusShip and select UPS Locations.

FOLD HERE

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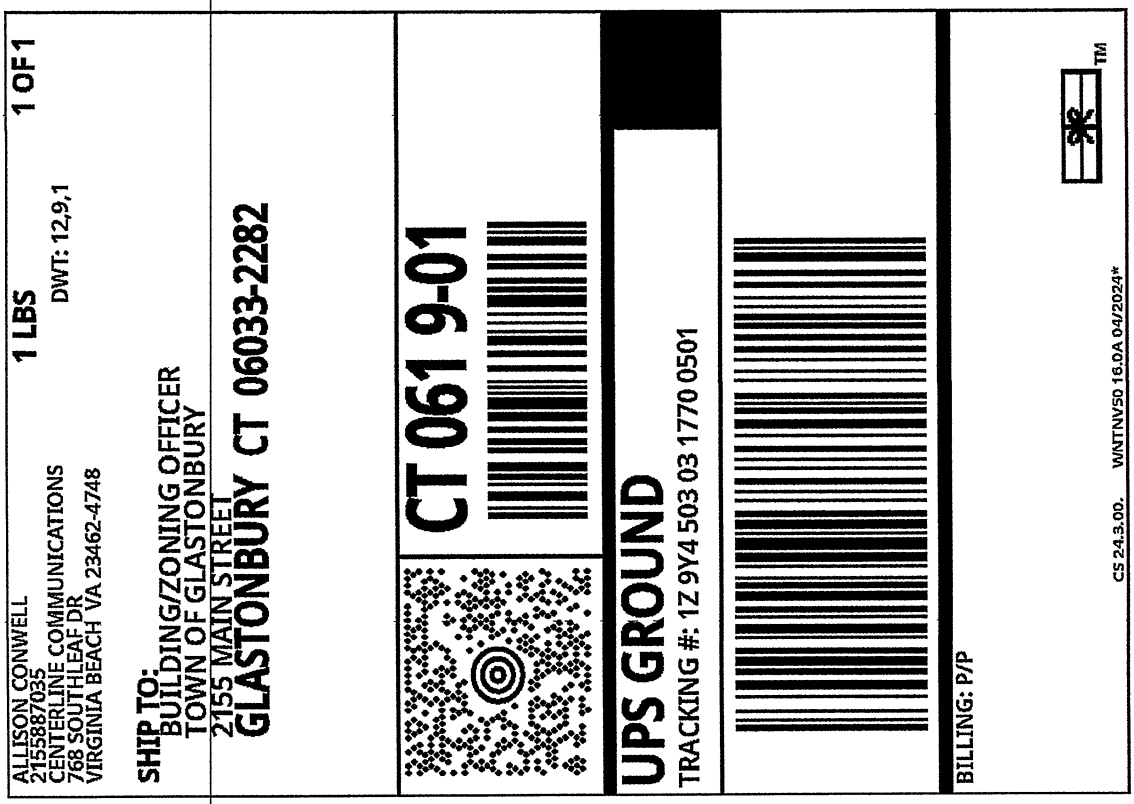

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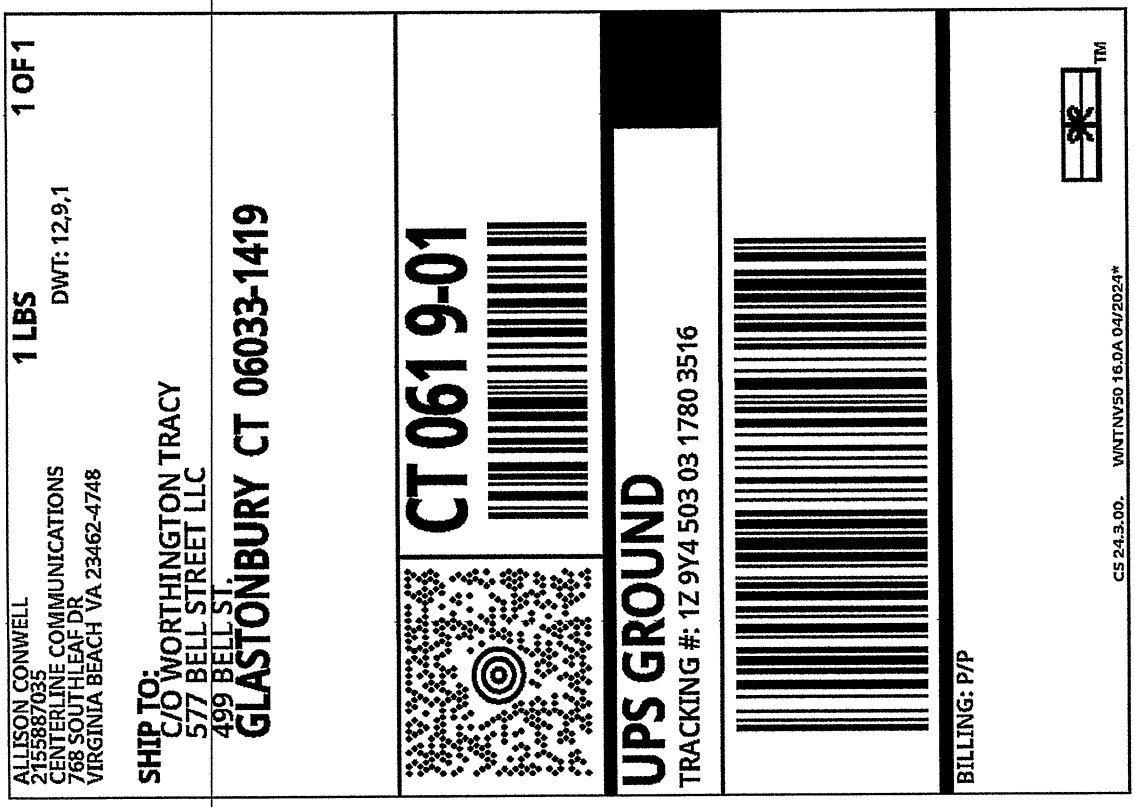

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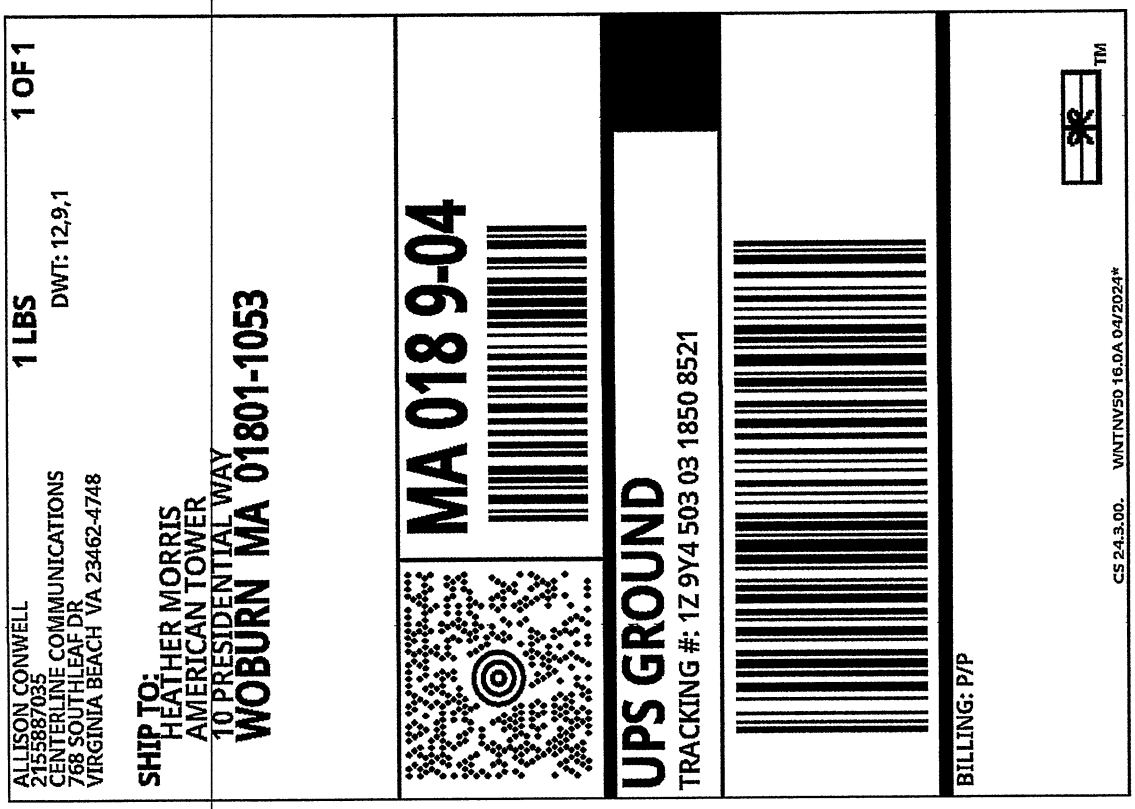

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