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

March 15, 2023

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

Re: Notice of Exempt Modifications – AT&T Site CT1269
AT&T Telecommunications Facility @ 49 Brainerd Rd Niantic, CT 06357

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC ("AT&T") currently maintains a wireless telecommunications facility on an existing +/- 170' monopole tower at the above referenced address, latitude 41.3075833, longitude -72.2239167. Said monopole tower is owned and managed by SBA.

AT&T desires to modify its existing telecommunications facility by replacing nine (9) antennas, replacing three (3) RRUs, replacing two (2) surge arrestors, adding two (2) fiber cables, removing six (6) diplexers, and removing three (3) TMA's as more particularly detailed and described on the enclosed Construction Drawings prepared by TEP Northeast, last revised on February 7, 2023. The centerline height of the existing antennas is and will remain at 168 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: Kevin Seery, First Selectman for the Town of East Lyme: Gary Goeschel II, Director of Planning: George O'Neil for SBA as tower owner and Christopher Samuelsen 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 March 13, 2023 and prepared by Serge Berthomieux 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 East Lyme Original Tower Approval Records
Exhibit 7 – Notice Deliver Confirmations

Cc:
Kevin Seery, as elected official, Town of East Lyme
Gary Goeschel II, Director of Planning, Town of East Lyme
SBA, Tower Owner
Christopher Samuelsen, as Property Owner

EXHIBIT 1

PROJECT INFORMATION

SCOPE OF WORK:

ITEMS TO BE MOUNTED ON THE EXISTING SELF SUPPORT:
- NEW AT&T ANTENNAS: AIR6419 B77G (TYP. OF 1 PER SECTOR, TOTAL OF 3) (TOP).
- NEW AT&T ANTENNAS: AIR6449 B77D (TYP. OF 1 PER SECTOR, TOTAL OF 3) (BOTTOM).
- NEW AT&T ANTENNAS: TPA-65R-BU4DA-K (TYP. OF 1 PER ALPHA)
- NEW AT&T ANTENNAS: TPA-65R-BU6DA-K (TYP. OF 1 PER BETA)
- NEW AT&T ANTENNAS: TPA-65R-BU8DA-K (TYP. OF 1 GAMMA)
- NEW AT&T RRUS: RRUS-8843 B2/B66A (TYP. OF 1 PER SECTOR, TOTAL OF 3)
- NEW AT&T (6) Y-CABLES
- NEW AT&T SURGE ARRESTORS (DC6-48-60-18-8F) (TOTAL OF 2).
- NEW AT&T (2) 18 PAIR OF FIBER RUN.

ITEMS TO BE MOUNTED IN EQUIPMENT LOCATION:
- INSTALL (1) FIBER MANAGEMENT BOX.
- INSTALL (4) 48V RECTIFIER. (TOTAL OF 9).
- INSTALL (12) VERTIV UPCONVERTERS.
- ADD 6648+IDLE XCEDE CABLE

FINAL=1X6601, 1X5216, 2XXMU03, 1X6630 MIXED-MODE + IDLE, 6648+IDLE XCEDE.

ITEMS TO BE REMOVED:
- EXISTING AT&T ANTENNA: AM-X-CD-14-65-00T-RET (TYP. OF 1 PER ALPHA SECTOR, TOTAL OF 1).
- EXISTING AT&T ANTENNA: SBNHH-1D65A (TYP. OF 2 PER ALPHA SECTOR, TOTAL OF 2).
- EXISTING AT&T ANTENNA: AM-X-CD-16-65-00T-RET (TYP. OF 1 PER BETA SECTOR, TOTAL OF 1).
- EXISTING AT&T ANTENNA: HPA-65R-BUU-H6 (TYP. OF 2 PER BETA SECTOR, TOTAL OF 2).
- EXISTING AT&T ANTENNA: SBNH-1D6565C (TYP. OF 1 PER GAMMA SECTOR, TOTAL OF 1).
- EXISTING AT&T ANTENNA: HPA-65R-BUU-H8 (TYP. OF 2 PER GAMMA SECTOR, TOTAL OF 2)
- EXISTING AT&T RRU: RRUS-12 B2 + RRUS-A2 B25 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- EXISTING AT&T DIPLEXERS: (TYP. OF 2 PER SECTOR, TOTAL OF 6).
- EXISTING AT&T TMAS: (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- EXISTING AT&T DC ONLY SQUIDS: (TOTAL OF 2).

ITEMS TO REMAIN:
- (3) ANTENNAS, (9) RRU'S, (1) SURGE ARRESTOR, (6) DC POWER, (1) FIBER RUNS & (6) 1-5/8" COAX CABLES.

RFDS:	FINAL-APPROVED V3 RFDS DATED 10/27/22
SITE ADDRESS:	49 BRAINERD ROAD NIANTIC, CT 06357
LATITUDE:	41.3075833° N, 41° 18' 27.29" N
LONGITUDE:	-72.2239167° W, 72° 13' 26.10" W
TYPE OF SITE:	MONOPOLE / INDOOR EQUIPMENT
STRUCTURE HEIGHT:	170'-0"±
RAD CENTER:	168'-0"±
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
A-1	COMPOUND & EQUIPMENT PLANS	1
A-2	ANTENNA LAYOUT PLANS & ELEVATION	1
A-3	DETAILS	1
A-4	DETAILS	1
G-1	GROUNDING DETAILS	1
RF-1	RF PLUMBING DIAGRAM	1

SITE NUMBER: CTL01269

SITE NAME: NIANTIC BRAINERD RD

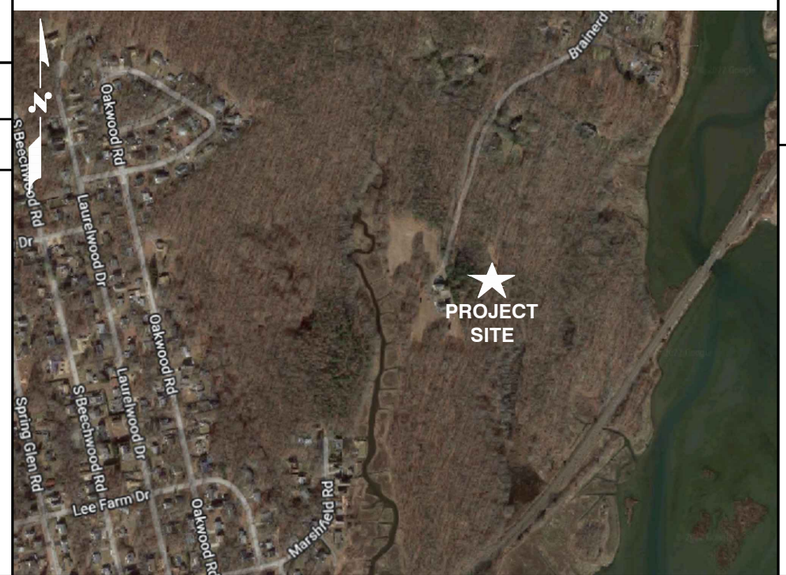
FA CODE: 10133918

PACE ID: MRCTB056342, MRCTB055650, MRCTB056278

PROJECT: CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION, 2022 UPGRADE

VICINITY MAP

DIRECTIONS TO SITE:
HEAD SOUTHEAST TOWARD CAPITAL BLVD, TURN LEFT ONTO CAPITAL BLVD, USE THE LEFT 2 LANES TO TURN LEFT ONTO STATE HWY 411, TURN LEFT TO MERGE WITH I-91 S, MERGE WITH I-91 S, TAKE EXIT 22S ON THE LEFT TO MERGE ONTO CT-9 S, TAKE THE EXIT ON THE LEFT ONTO I-95 N/US-1 N TOWARD NEW LONDON/PROVIDENCE, CONTINUE TO FOLLOW I-95 N, TAKE EXIT 72 TOWARD ROCKY NCK/STATE PK, CONTINUE ONTO ROCKY NECK CON, USE ANY LANE TO TURN LEFT ONTO CT-156 E, TURN RIGHT ONTO FAIRHAVEN RD, TURN RIGHT ONTO BRAINERD RD.



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

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

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

SITE NUMBER: CTL01269
SITE NAME: NIANTIC BRAINERD RD

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NEW LONDON COUNTY

at&t
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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: GD

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

AT&T

TITLE SHEET
CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	T-1	1

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 ANTENNA/AZIMUTH	VIF	VERIFY IN FIELD
EGR	EQUIPMENT GROUND RING	REF	R		

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

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

SITE NUMBER: CTL01269
SITE NAME: NIANTIC BRAINERD RD

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

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

AT&T

GENERAL NOTES

CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
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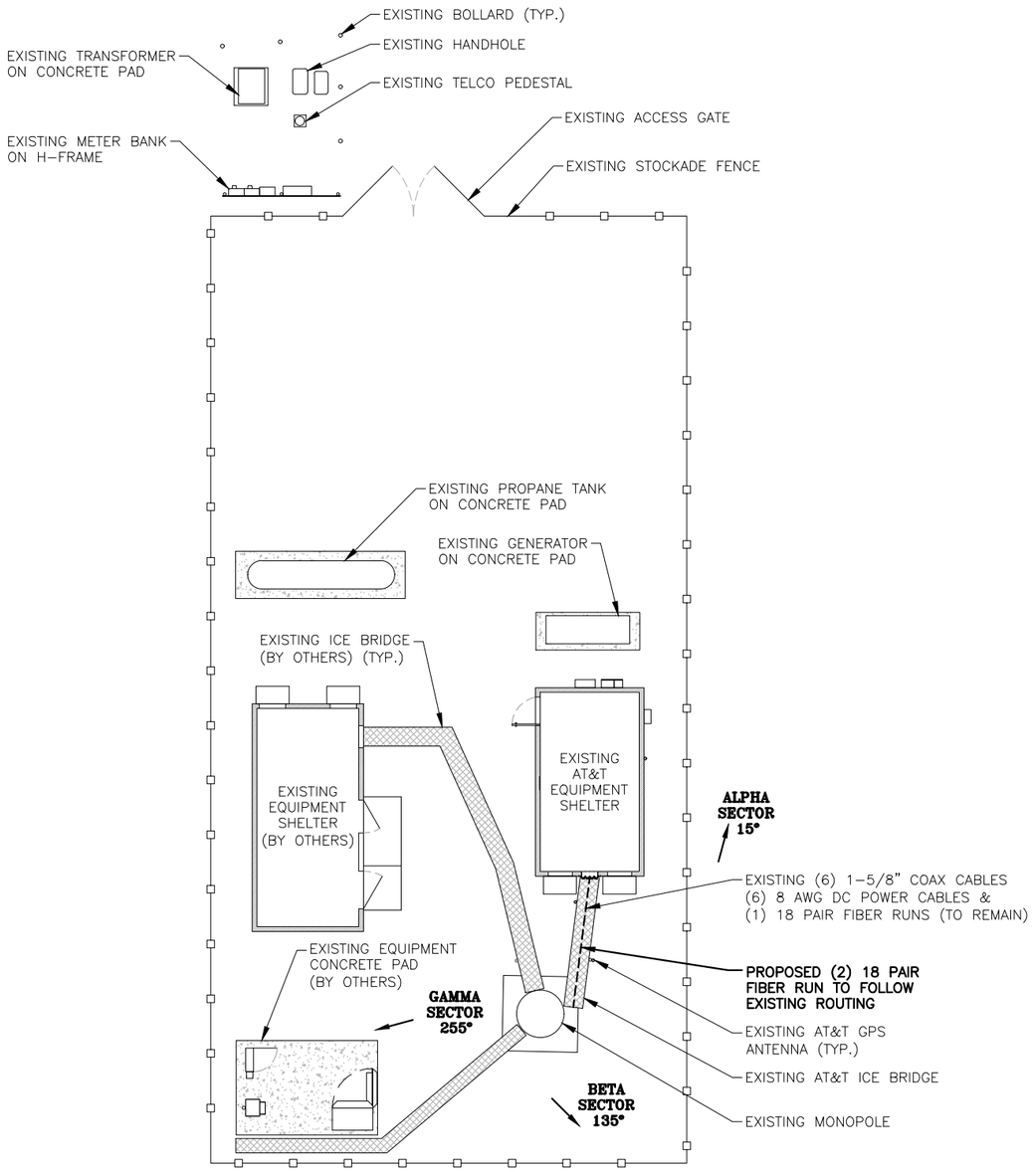


COMPOUND PLAN (1 / A-1)
22x34 SCALE: 1/8"=1'-0"
11x17 SCALE: 1/16"=1'-0"

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

NOTE:

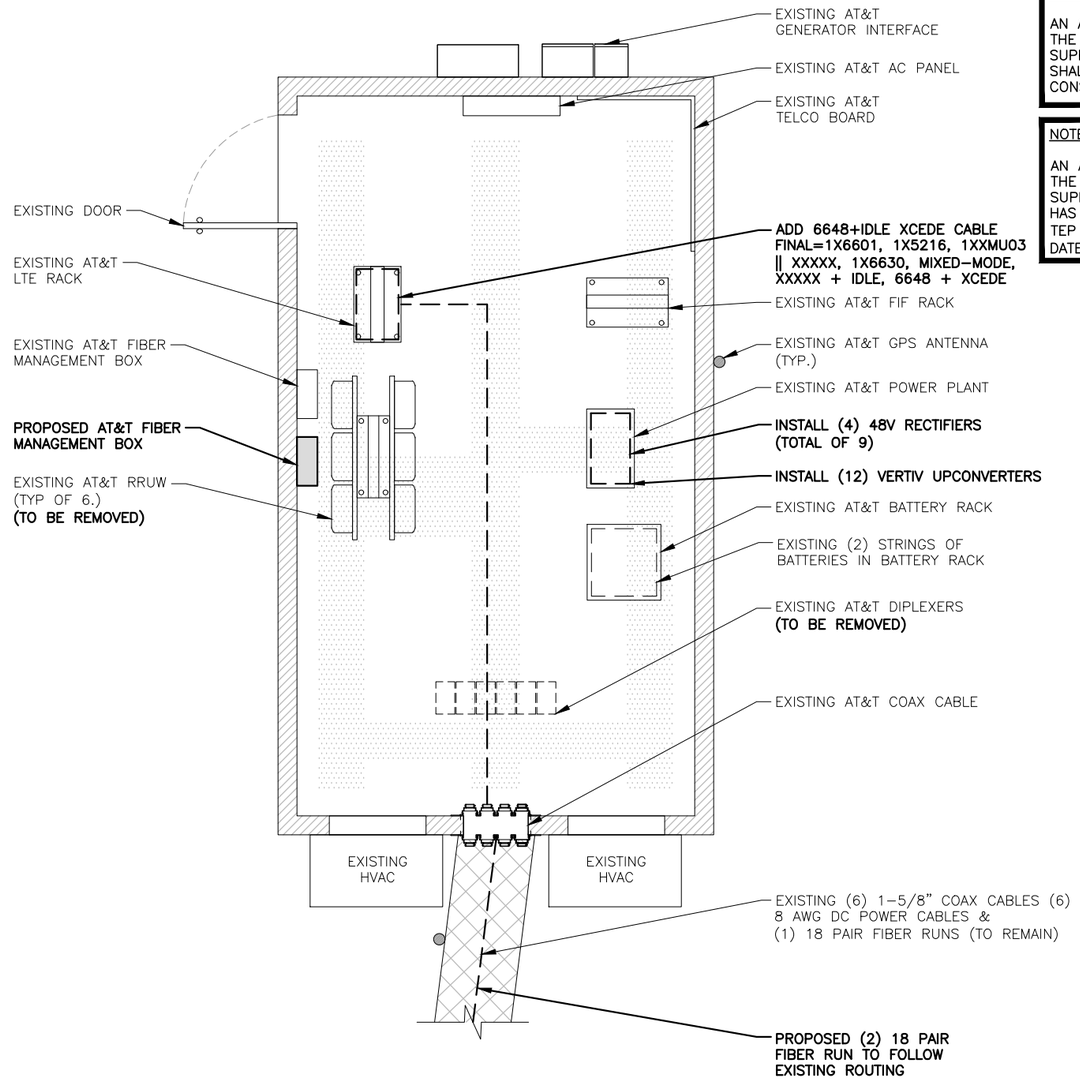
REFER TO THE FINAL-APPROVED V3 RFDS DATED 10/27/22 FOR FINAL ANTENNA SETTINGS.

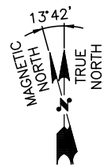
NOTE:

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

NOTE:

AN ANALYSIS FOR THE CAPACITY OF THE EXISTING **ANTENNA MOUNT** TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY:
TEP NORTHEAST (TEP OPCO, LLC.)
DATED: FEBRUARY 03, 2023 (REV.2)





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

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

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COMPOUND & EQUIPMENT PLANS
CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

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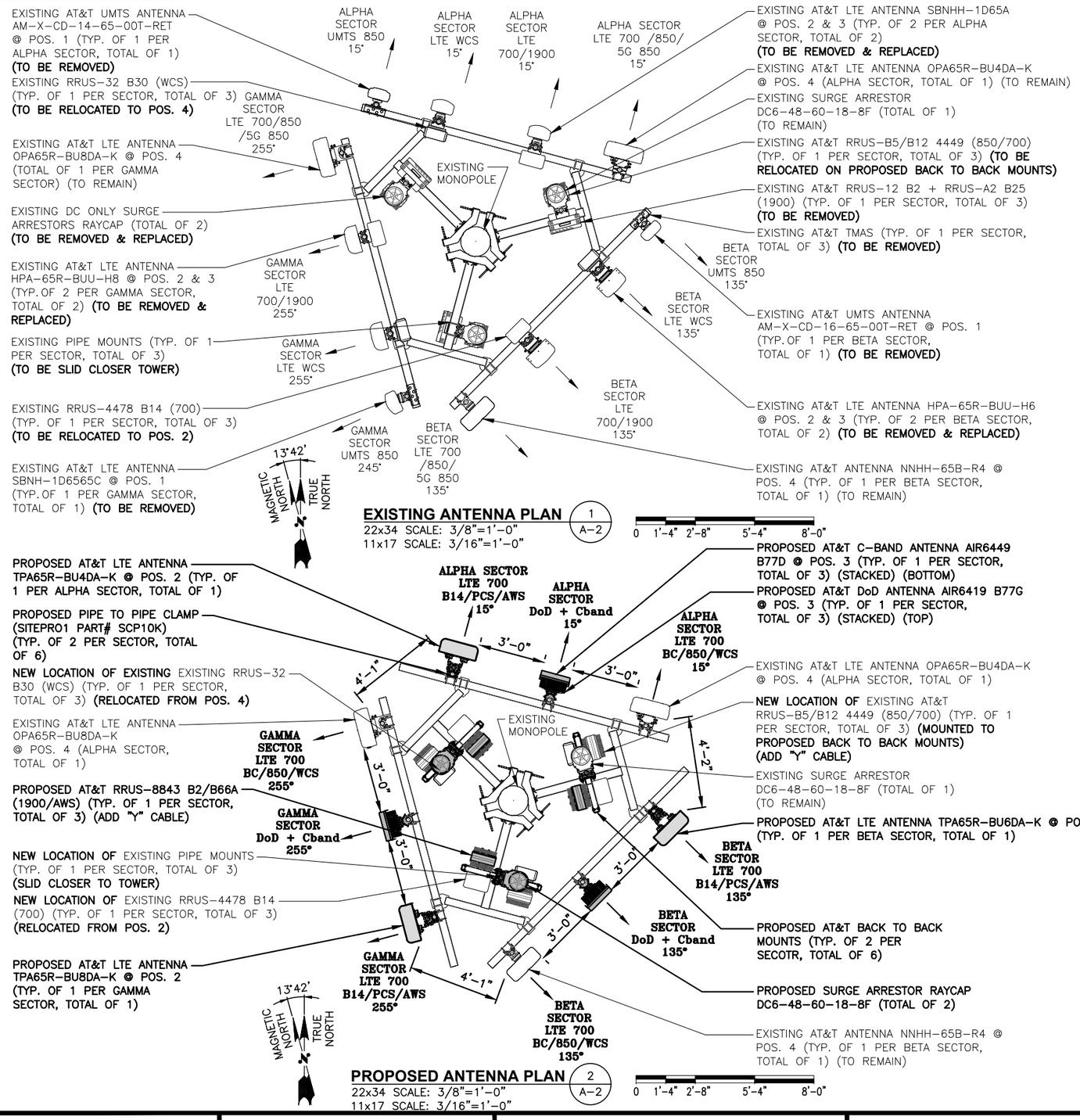


EXISTING ANTENNA PLAN

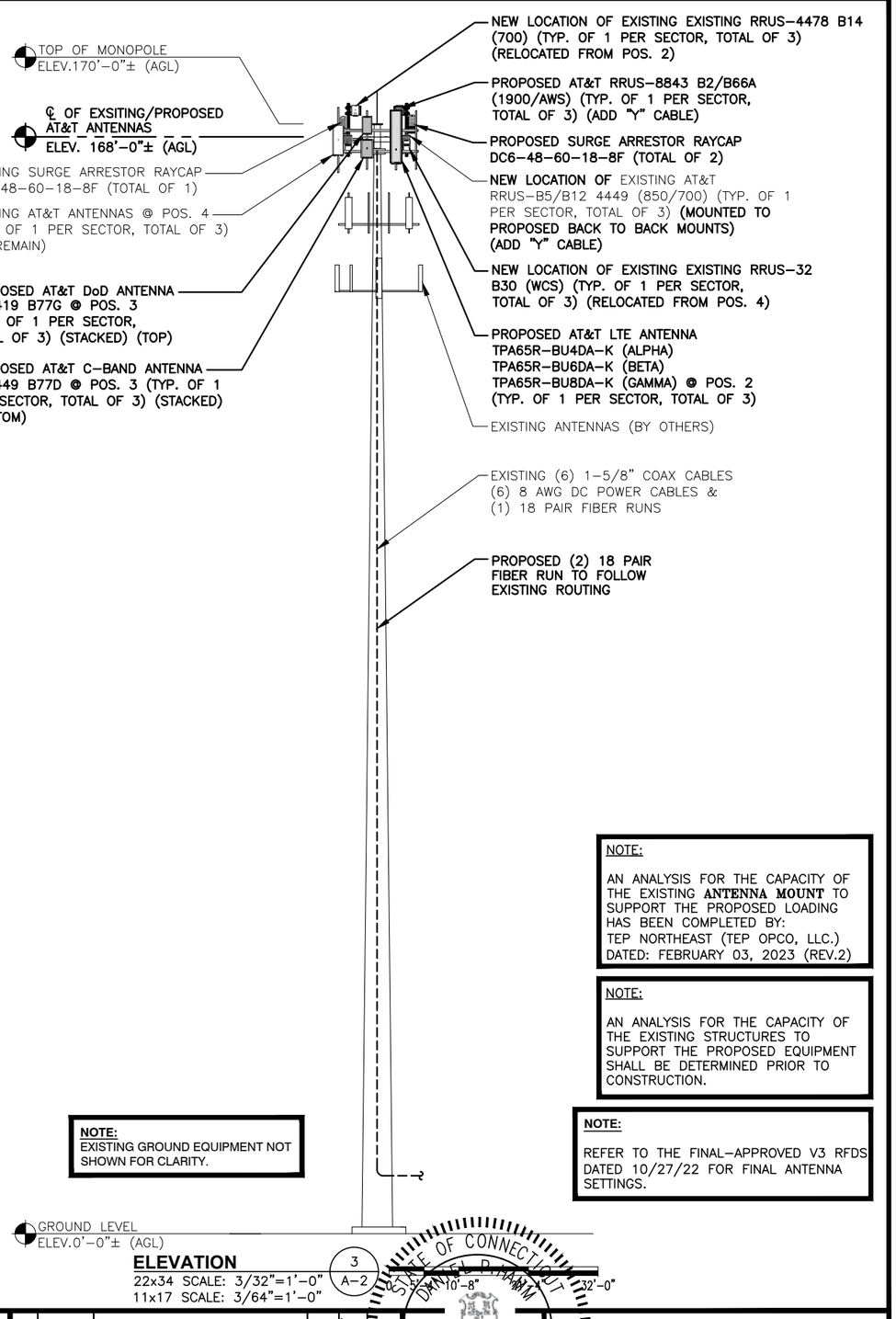
1 / A-2

22x34 SCALE: 3/8"=1'-0"
11x17 SCALE: 3/16"=1'-0"

PROPOSED ANTENNA PLAN

2 / A-2

22x34 SCALE: 3/8"=1'-0"
11x17 SCALE: 3/16"=1'-0"



ELEVATION

3 / A-2

22x34 SCALE: 3/32"=1'-0"
11x17 SCALE: 3/64"=1'-0"

NOTE:
EXISTING GROUND EQUIPMENT NOT SHOWN FOR CLARITY.

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING **ANTENNA MOUNT** TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY:
TEP NORTHEAST (TEP OPCO, LLC.)
DATED: FEBRUARY 03, 2023 (REV.2)

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

NOTE:
REFER TO THE FINAL-APPROVED V3 RFDS DATED 10/27/22 FOR FINAL ANTENNA SETTINGS.

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

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

SITE NUMBER: CTL01269
SITE NAME: NIANTIC BRAINERD RD

49 BRAINERD ROAD
NIANTIC, CT 06357
NEW LONDON COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

NO.	DATE	REVISIONS	BY	CHK	APP'D
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A	02/24/21	ISSUED FOR REVIEW	ASK	MKT	DPH

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

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

AT&T

ANTENNA LAYOUT PLANS & ELEVATION
CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	A-2	1

ANTENNA SCHEDULE

FINAL-APPROVED V3 RFDS DATED 10/27/22

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) (1) RAYCAP DC6-48-60-18-8F
A2	**PROPOSED**	**LTE 700 B14/PCS/AWS**	**TPA-65R-BU4DA-K**	**48"X20.7"X7.7"**	**168'-0"±**	**15°**	–	(E)(1)RRUS-4478 B14 (700) **(P)(1)8843 B2/B66A (1900/AWS)**	– **14.9"X13.2"X10.9"**	(E)(2) COAX CABLE (E)(2) DC POWER (E)(1) FIBER **(P)(1)(Y-CABLE)**	
A3	**PROPOSED**	**DoD C-BAND**	**AIR6419 B77G AIR6449 B77D**	**31.1"X16.1"X7.3" 30.4"X15.9"X8.1"**	**168'-0"±**	**15°**	–	–	–	–	
A4	EXISTING	LTE 700BC/WCS/ 5G 850	OPA65R-BU4DA	48"X20.7"X7.7"	168'-0"±	15°	–	(E)(1)RRUS-4449 B5/B12 (700/850) (E)(1)RRUS-32 B30 (WCS)	– –	**(P)(1)(Y-CABLE)**	
B1	–	–	–	–	–	–	–	–	–	–	(P) (1) RAYCAP DC6-48-60-18-8F
B2	**PROPOSED**	**LTE 700 B14/PCS/AWS**	**TPA-65R-BU6DA-K**	**71.2"X20.7"X7.7"**	**168'-0"±**	**135°**	–	(E)(1)RRUS-4478 B14 (700) **(P)(1)8843 B2/B66A (1900/AWS)**	– **14.9"X13.2"X10.9"**	(E)(2) COAX CABLE (E)(2) DC POWER **(P)(1) FIBER (APPROX. LENGTH 200'-0"±) (P)(1)(Y-CABLE)**	
B3	**PROPOSED**	**DoD C-BAND**	**AIR6419 B77G AIR6449 B77D**	**31.1"X16.1"X7.3" 30.4"X15.9"X8.1"**	**168'-0"±**	**135°**	–	–	–	–	
B4	EXISTING	LTE 700BC/WCS/ 5G 850	NNHH-65B-R4	71.2"X20.7"X7.7"	168'-0"±	135°	–	(E)(1)RRUS-4449 B5/B12 (700/850) (E)(1)RRUS-32 B30 (WCS)	– –	**(P)(1)(Y-CABLE)**	
C1	–	–	–	–	–	–	–	–	–	–	(P) (1) RAYCAP DC6-48-60-18-8F
C2	**PROPOSED**	**LTE 700 B14/PCS/AWS**	**TPA65R-BU8DA-K**	**96"X22"X9.6"**	**168'-0"±**	**255°**	–	(E)(1)RRUS-4478 B14 (700) **(P)(1)8843 B2/B66A (1900/AWS)**	– **14.9"X13.2"X10.9"**	(E)(2) COAX CABLE (E)(2) DC POWER **(P)(1) FIBER (APPROX. LENGTH 200'-0"±) (P)(1)(Y-CABLE)**	
C3	**PROPOSED**	**DoD C-BAND**	**AIR6419 B77G AIR6449 B77D**	**31.1"X16.1"X7.3" 30.4"X15.9"X8.1"**	**168'-0"±**	**255°**	–	–	–	–	
C4	EXISTING	LTE 700BC/WCS/ 5G 850	OPA65R-BU8DA	96"X20.7"X7.7"	168'-0"±	255°	–	(E)(1)RRUS-4449 B5/B12 (700/850) (E)(1)RRUS-32 B30 (WCS)	– –	**(P)(1)(Y-CABLE)**	

FINAL ANTENNA SCHEDULE

SCALE: N.T.S

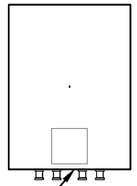
(1 / A-3)

RRU CHART

QUANTITY	MODEL	SIZE (L x W x D)
E(3)	4478 B14 (700)	18.1"x13.4"x8.3"
E(3)	4449 B5/B12 (700)	17.9"x13.2"x10.4"
E(3)	RRUS-32 B30 (WCS)	27.2"x12.1"x7.0"
(P)(3)	**8843 B2/B66A (1900/AWS)**	**14.9"X13.2"X10.9"**

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS

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

SCALE: N.T.S

(2 / A-4)

NOTE:
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NOTE:
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DATED: FEBRUARY 03, 2023 (REV.2)

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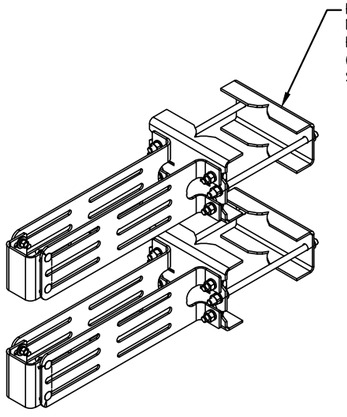
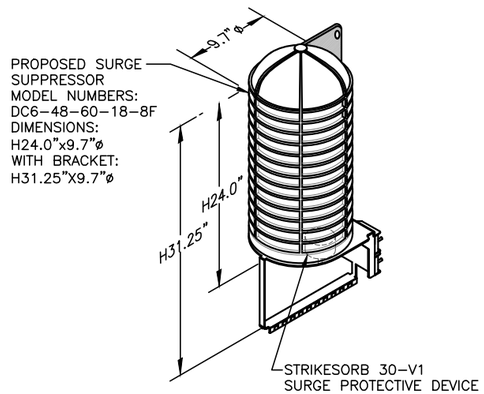


PROPOSED BACK TO BACK MOUNT COMMSCOPE (RR-FA2)

SCALE: N.T.S

(3 / A-3)



NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

DC SURGE SUPPRESSOR DETAIL

SCALE: N.T.S

(4 / A-3)

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

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

AT&T

DETAILS

CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	A-3	1

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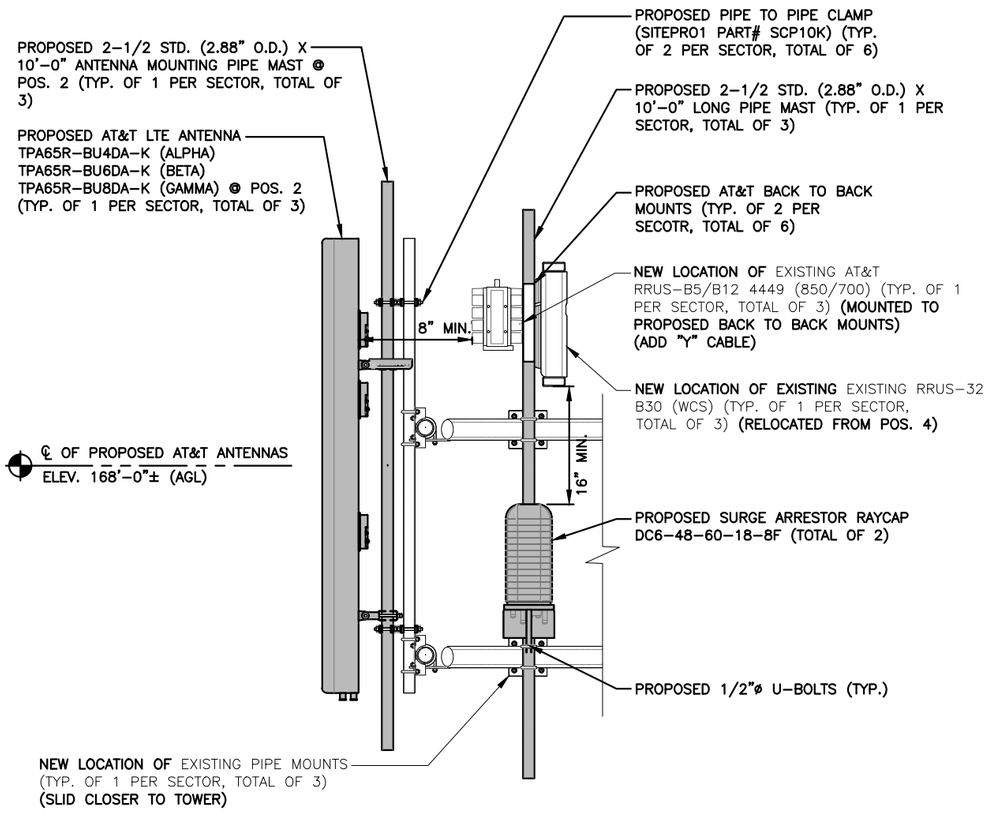
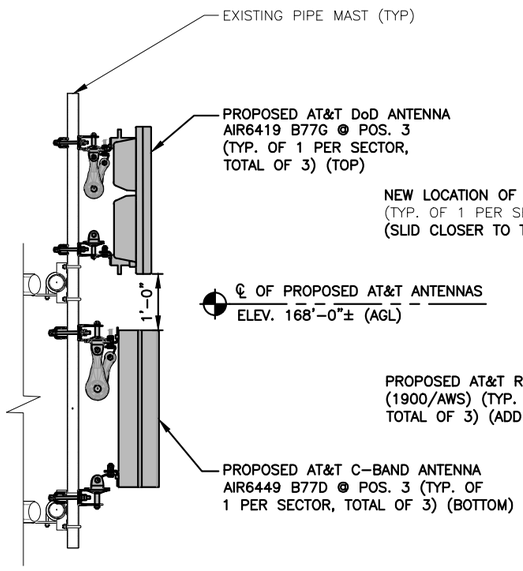
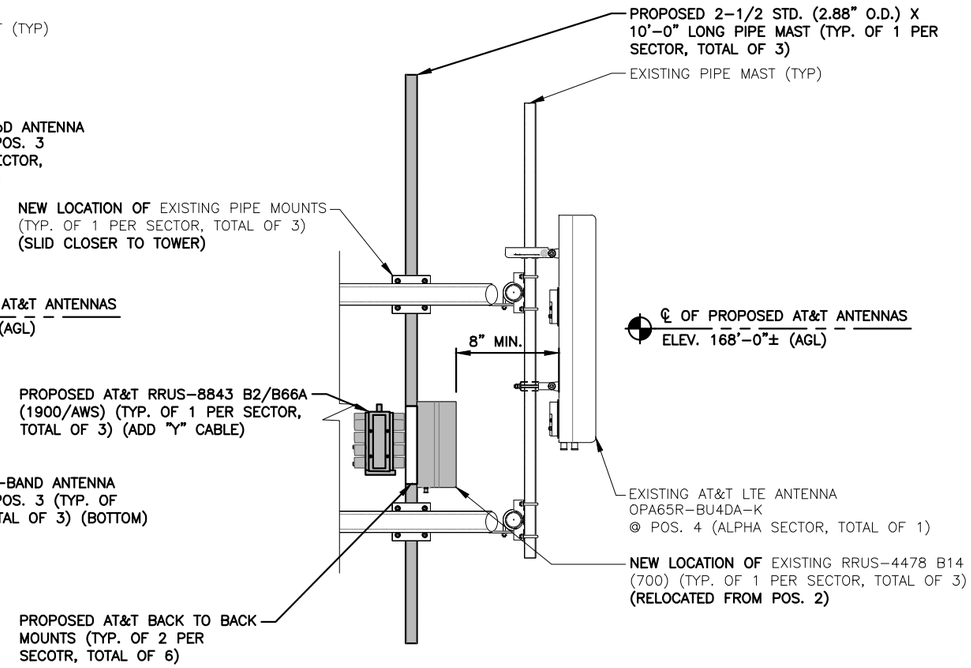


PROPOSED ANTENNA @ POS. 2 (1 / A-4)
22x34 SCALE: 3/4"=1'-0"
11x17 SCALE: 3/8"=1'-0"
0 8" 1'-4" 2'-8" 4'-0"



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



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

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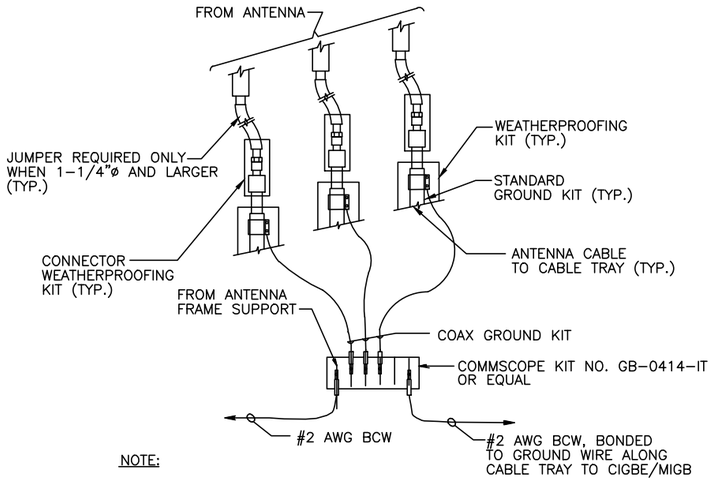
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: GD

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

AT&T

DETAILS
CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	A-4	1



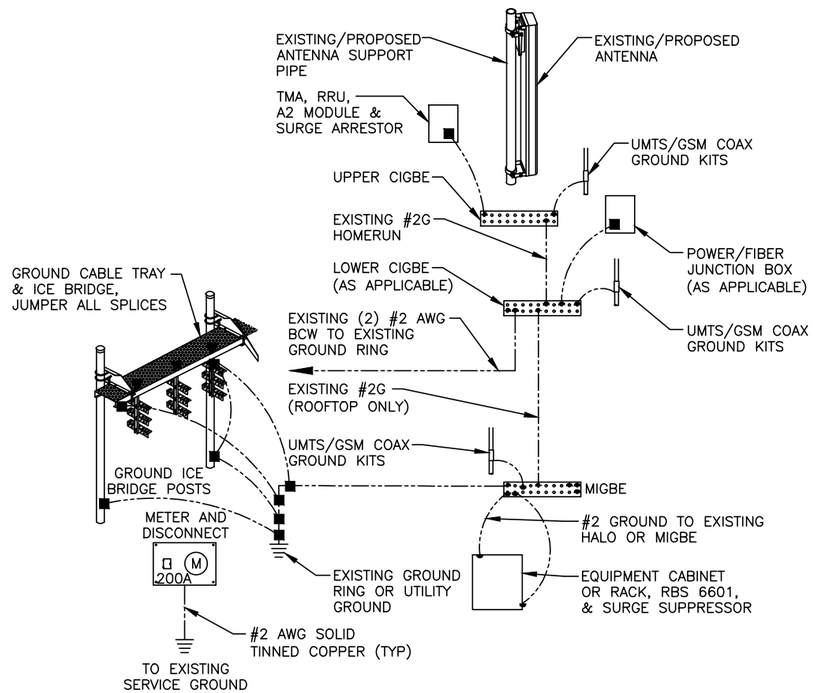
NOTE:

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

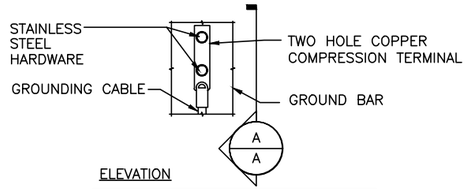
1 / G-1



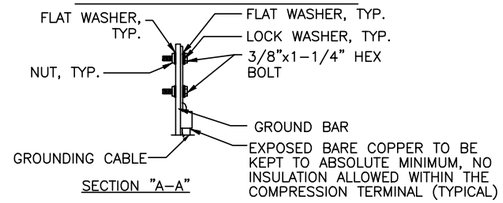
GROUNDING RISER DIAGRAM

SCALE: N.T.S

2 / G-1



ELEVATION



SECTION "A-A"

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

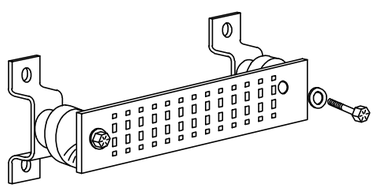
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

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: GD

STATE OF CONNECTICUT
DANIEL P. HAMM
06.24.23
LICENSED PROFESSIONAL ENGINEER

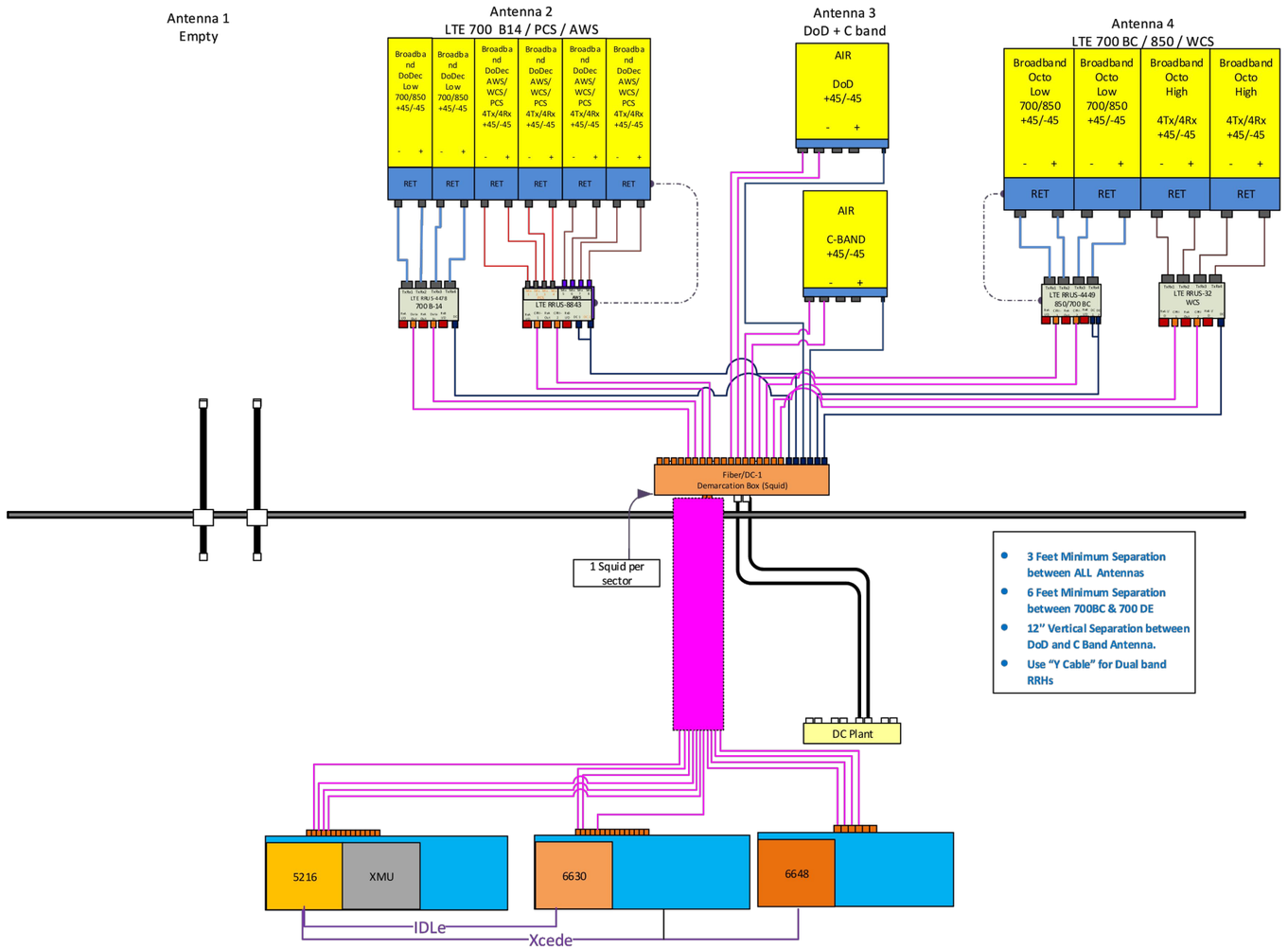
AT&T

GROUNDING DETAILS

CCL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR-1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	G-1	1

FINAL–APPROVED V3 RFDS DATED 10/27/22



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 THE FINAL–APPROVED V3 RFDS DATED 10/27/22 FOR FINAL ANTENNA SETTINGS.

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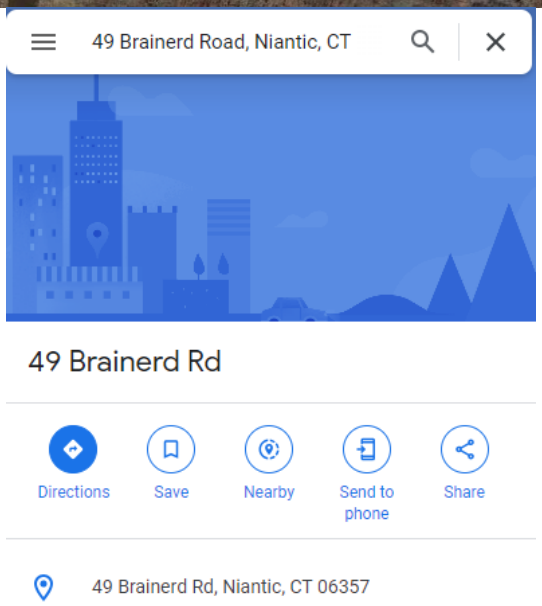
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: GD

AT&T

RF PLUMBING DIAGRAM
CELL SITE RF MODIFICATIONS, 5G NR SOFTWARE UPGRADE, 5G NR RADIO, 5G NR 1SR CBAND, 5G NR 1DR–1, BBU RECONFIGURATION

SITE NUMBER	DRAWING NUMBER	REV
CTL01269	RF–1	1

EXHIBIT 2


49 Brainerd Road, Niantic, CT
49 Brainerd Rd
Directions
Save
Nearby
Send to phone
Share
49 Brainerd Rd, Niantic, CT 06357

49 BRAINERD RD

Location	49 BRAINERD RD	**Mblu**	07.4/ 21/ / /
Acct#	005680	**Owner**	SAMUELSEN CHRISTOPHER
Assessment	$440,990	**Appraisal**	$776,300
PID	5939	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$340,400	$435,900	$776,300
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$238,280	$202,710	$440,990

Owner of Record

Owner	SAMUELSEN CHRISTOPHER	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	49 BRAINERD RD NIANTIC, CT 06357	**Book & Page**	0831/0222
		Sale Date	07/10/2009
		Instrument	04

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
SAMUELSEN CHRISTOPHER &	$0		0788/0266	04	10/24/2007
SAMUELSEN CHRISTOPHER	$560,000		0748/0207	07	07/13/2006
BOUTIN WYNN R	$0		0737/0532	01	04/03/2006
BOUTIN ZACHARY H OR WYNN R	$0		0542/0147	08	10/01/2001

Building Information

Building 1 : Section 1

Year Built:	1890
Living Area:	2,485
Replacement Cost:	$423,858

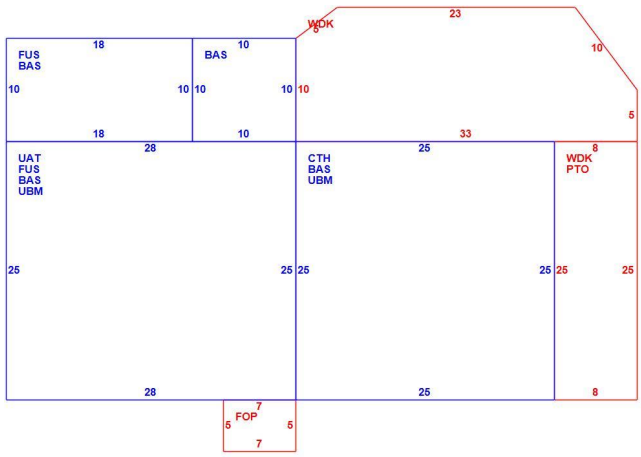
Building Percent Good: 67
Replacement Cost
Less Depreciation: $284,000

Building Attributes	
Field	**Description**
Style:	Conventional
Model	Residential
Grade:	Good
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Wood Shingle
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Asph/F Gls/Cmp
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	Hardwood
Interior Flr 2	Ceram Clay Til
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	Central
Total Bedrooms:	4 Bedrooms
Total Bthrms:	2
Total Half Baths:	1
Total Xtra Fixtrs:	
Total Rooms:	8 Rooms
Bath Style:	Modern
Kitchen Style:	Modern
Num Kitchens	01
Cndtn	
Num Park	
Fireplaces	
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos2/EastLymeCTPhotos//default.jpg)

Building Layout



(ParcelSketch.ashx?pid=5939&bid=6060)

Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,605	1,605
FUS	Upper Story, Finished	880	880
CTH	Cathedral Ceiling	625	0
FOP	Porch, Open, Finished	35	0
PTO	Patio	200	0
UAT	Attic, Unfinished	700	0
UBM	Basement, Unfinished	1,325	0
WDK	Deck, Wood	599	0
		5,969	2,485

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	1010
Description	Single Fam M-01
Zone	R40
Neighborhood	0060
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	51.31
Frontage	0
Depth	0
Assessed Value	$202,710
Appraised Value	$435,900

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
BRN4	1 STY LFT&BSMT			378.00 S.F.	$5,700	1
SHP1	WORK SHOP AVE			841.00 S.F.	$21,000	1
FGR2	GARAGE-GOOD			841.00 S.F.	$29,400	1
SHD1	SHED FRAME			45.00 S.F.	$300	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$231,700	$435,900	$667,600
2019	$231,700	$435,900	$667,600
2018	$231,700	$435,900	$667,600

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$162,190	$197,620	$359,810
2019	$162,190	$197,620	$359,810
2018	$162,190	$197,620	$359,810

EXHIBIT 3

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: AT&T

Client Site ID / Name: CT1269 / Niantic Brainerd Rd
Application #: 223811, v1

SBA Site ID / Name: CT11794-S / East Lyme 1

170 ft Monopole

49 Brainerd Road
Niantic, Connecticut 06357
Lat: 41.307583, Long: -72.223917

Project number: CT11794-ATT-031023

Analysis Results

Tower	80.4%	Pass
Foundation	60.0%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by:

Serge Berthomieux
Structural Engineer I
561-226-9365
SBerthomieux@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-981-7390
SShanubhogue@sbasite.com

March 13, 2023

03/13/23

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Structural Analysis Report

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Analysis Results

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Change in tower stress due to mount modification / replacement	N/A

Prepared by:

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Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-981-7390
SShanubhogue@sbasite.com

March 13, 2023

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 170 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Sabre Towers & Poles, Job# 42498. Dated 04/06/2011
Foundation drawings	Sabre Towers & Poles, Job# 42498. Dated 04/06/2011
Geotechnical report	Tower Engineering Professionals, Project #: 103196.01. Dated 03/18/2011.
Mount Analysis	TEP OPCO, LLC., RE: CT1269 Rev. 2, Dated 02/03/2023
Modification drawings	N/A
Latest SA	SBAE, Project # CT11794-VZW-102722, dated 10/31/2022

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/NEW LONDON/Niantic
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC / 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	130.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00”
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	13.5 ft.
Seismic Parameter S_s	0.191
Seismic Parameter S_1	0.053

This structural analysis is based upon the tower being classified as a risk category II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	171.75	3	Ericsson AIR 6419 B77G - Panel	(3) Reinforced T-Arms	(1) 2" Conduit housing (1) 3/8" Fiber & (2) 0.64" Fiber (1) 1/2" Fiber (4) 0.64" DC Power (6) 1 5/8" (1) 1.5" Fiber	AT&T
2	170.0	3	CCI OPA65R-BU4DA - Panel			
4		1	CCI TPA65R-BU4DA-K - Panel			
5		1	CCI TPA65R-BU6DA-K - Panel			
6		1	CCI TPA65R-BU8DA-K - Panel			
9		3	CCI DTMABP7819VG12A TMA			
10		3	Ericsson RRUS 4478 B14 RRU			
11		3	Ericsson 4449 B5/B12 RRU			
12		3	Ericsson RRUS-32 RRU			
13		6	Ericsson RRUS-12 RRU			
14		3	Ericsson 8843 B2 B66A RRU			
15		6	Ericsson RRUS A2			
16		3	Raycap DC6-48-60-18-8F			
17	168.75	3	Ericsson AIR 6449 B77D - Panel			
18	160.0	3	Ericsson KRY 112 144/1 TMA	(3) Modified T-Arm w/ Site Pro 1: PRK-1245L and PRK-SFS-L	(7) 1 5/8" (3) 1 5/8" Fiber (2) 1.9" Fiber	T-Mobile
19		3	Ericsson AIR 6419 B41 - Panel			
20		3	Commscope VV-65A-R1 - Panel			
21		3	RFS APXVAALL24_43-U-NA20 - Panel			
22		3	Ericsson 4449 B71 + B85 RRU			
23		3	Ericsson 4460 B25/B66A RRU			
24	147.0	3	Samsung MT6407-77A - Panel	Low Profile Platform Modified	(12) 1 5/8" (2) 1 5/8" Hybrid	Verizon
25		6	JMA Wireless MX06FRO660-03 - Panel			
26		3	Samsung RF4439d-25A			
27		3	Samsung RF4440d-13A			
28		1	Raycap 12 OVP			

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 223811, v1 from AT&T and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
2	171.75	3	Ericsson AIR 6419 B77G - Panel	(3) Reinforced T-Arms	(1) 2" Conduit housing (1) 3/8" Fiber & (2) 0.64" Fiber (1) 1/2" Fiber (4) 0.64" DC Power (6) 1 5/8" (1) 1.5" Fiber	AT&T
3	170.0	1	CCI OPA65R-BU4DA - Panel			
4		1	CCI TPA65R-BU4DA-K - Panel			
5		1	CCI TPA65R-BU6DA-K - Panel			
6		1	CCI TPA65R-BU8DA-K - Panel			
7		1	Commscope NNHH-65B-R4 - Panel			
8		1	Commscope OPA65R-BU8DA - Panel			
9		3	CCI DTMABP7819VG12A TMA			
10		3	Ericsson RRUS 4478 B14 RRU			
11		3	Ericsson 4449 B5/B12 RRU			
12		3	Ericsson RRUS-32 RRU			
13		6	Ericsson RRUS-12 RRU			
14		3	Ericsson 8843 B2 B66A RRU			
15		6	Ericsson RRUS A2 RRU			
16		3	Raycap DC6-48-60-18-8F			
17	168.75	3	Ericsson AIR 6449 B77D - Panel			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	80.4%	78.8%	47.3%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	60.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

EXHIBIT 4

February 3, 2023 (Rev.2)
August 30, 2022 (Rev.1)
April 14, 2022

Centerline Communications
750 West Center Street, Suite #301
West Bridgewater, MA, 02379

RE:		
	AT&T Site Number:	CT1269
	FA Number:	10133918
	PACE Number:	2051A11LN5
	PT Number:	MRCTB056278
	TEP Site Number:	354079
	AT&T Site Name:	NIANTIC BRAINERD RD
	Site Address:	49 Brainerd Road Niantic, CT 06357

To Whom It May Concern:

TEP Northeast (TEP NE) has been authorized by Centerline Communications to perform a mount analysis on the existing AT&T antenna/RRH mounts to determine their capability of supporting the following additional loading:

- (1) NNHH-65B-R4 Antenna (72.0"x19.6"x7.8" – Wt. = 79 lbs.)
- (1) OPA65R-BU4DA Antenna (48.0"x20.7"x7.7" – Wt. = 47 lbs.)
- (1) OPA65R-BU8DA Antenna (96.0"x20.7"x7.7" – Wt. = 79 lbs.)
- (3) 4449 B5/B12 RRH's (17.9"x13.2"x9.4" – Wt. = 73 lbs. /each)
- (3) RRUS-32 B30 RRH's (27.2"x12.1"x7.0" – Wt. = 60 lbs. /each)
- (3) 4478 B14 RRH's (18.1"x13.4"x8.3" – Wt. = 60 lbs. /each)
- (1) DC6-48-60-18-8F Surge Arrestor (31.4"x10.2" Ø – Wt. = 29 lbs.)
- **(1) TPA65R-BU4DA-K Antenna (48.0"x20.7"x7.7" – Wt. = 53 lbs.)**
- **(1) TPA65R-BU6DA-K Antenna (71.2"x20.7"x7.7" – Wt. = 69 lbs.)**
- **(1) TPA65R-BU8DA-K Antenna (96.0"x20.7"x7.7" – Wt. = 87 lbs.)**
- **(3) AIR6419 Antennas (31.1"x16.1"x7.3" – Wt. = 66 lbs. /each)**
- **(3) AIR6449 Antennas (30.6"x15.9"x10.6" – Wt. = 82 lbs. /each)**
- **(3) 8843 B2/B66A RRH's (14.9"x13.2"x10.9" – Wt. = 72 lbs. /each)**
- **(2) DC6-48-60-18-8F Surge Arrestor (31.4"x10.2" Ø – Wt. = 29 lbs. /each)**

**Proposed equipment shown in bold*

No original structural design documents or fabrication drawings were available for the existing mount. A survey climb and mapping of the existing AT&T antenna mount was conducted by ProVertic LLC on March 15, 2022.

Mount Analysis Methods:

- This analysis was conducted in accordance with EIA/TIA-222-H, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, the International Building Code 2021 with 2022 Connecticut State Building Code, and AT&T Mount Technical Directive – R22.
- TEP NE considers this mount to be asymmetrical and has applied wind loads in 30 degree increments all around the mount. Per TIA-222-H and Appendix P of the Connecticut State Building Code, the max basic wind speed for this site is equal to 130 mph with a max basic wind speed with ice of 50 mph and a max ice thickness of 1.0 in. An escalated ice thickness of 1.18 in was used for this analysis.
- TEP NE considers this site to be exposure category C; tower is located near large, flat, open, terrain/grasslands.
- TEP NE considers this site to be topographic category 1; tower is located on flat terrain or the bottom of a hill or ridge.
- TEP NE considers this site to have a spectral response acceleration parameter at short periods, S_S, of 0.198 and a spectral response acceleration parameter at a period of 1 second, S_1, of 0.053.
- The mount has been analyzed with load combinations consisting of 500 lbs live load using a service wind speed of 30 mph wind on the worst case antenna. Analysis performed on each antenna pipe to determine worst case location; worst case location was antenna position 1.
- The mount has been analyzed with load combinations consisting of a 250 lbs live load in a worst case location on the mount.
- The existing mounts are secured to the existing monopole with ring mounts and threaded rods. TEP NE considers the threaded rods to be the governing connection member.

Based on our evaluation, we have determined that the existing mounts **ARE CAPABLE** of supporting the proposed installation.

	Component	Controlling Load Case	Stress Ratio	Pass/Fail
Existing Mount Rating	69	LC3	59%	**PASS**

Reference Documents:

- Mount mapping report prepared by ProVertic LLC.

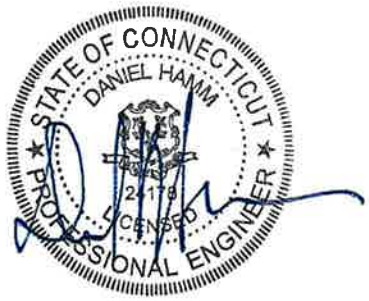
This determination was based on the following limitations and assumptions:

1. TEP NE is not responsible for any modifications completed prior to and hereafter which TEP NE was not directly involved.
2. All structural members and their connections are assumed to be in good condition and are free from defects with no deterioration to its member capacities.
3. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer's requirements.
4. The existing mount has been adequately secured to the tower structure per the mount manufacturer's specifications.
5. All components pertaining to AT&T's mounts must be tightened and re-plumbed prior to the installation of new appurtenances.
6. TEP NE performed a localized analysis on the mount itself and not on the supporting tower structure.

Please feel free to contact our office should you have any questions.

Respectfully Submitted,
TEP Northeast

Michael Cabral
Director



Daniel P. Hamm, PE
Vice President

EXHIBIT 5

Radio Frequency Exposure Analysis Report

March 13, 2023

AT&T

Site Name: NIANTIC BRAINERD RD
Site Number: CTL01269
FA#: 10133918
USID: 105269
Site Address: 49 BRAINERD ROAD, NIANTIC, CT 06357

Michael Fischer, P.E.
Registered Professional Engineer (Electrical)
Connecticut License Number 33928
Expires January 31, 2024

Signed 13 March 2023

Site Compliance Summary

AT&T Compliance Status:	Compliant
Cumulative Calculated Power Density (Ground Level):	12.79404 µW/cm^2
Cumulative General Population % MPE (Ground Level):	1.92346%

March 13, 2023

Centerline
Attn: Ryan Burgdorfer, Project Manager
750 W Center St, Suite 301
West Bridgewater, MA 02379

RF Exposure Analysis for Site: **NIANTIC BRAINERD RD**

Centerline Communications, LLC ("Centerline") was contracted to analyze the proposed AT&T facility at **49 BRAINERD ROAD, NIANTIC, CT 06357** 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

IXUS electromagnetic energy (EME) calculation software was used to assess all RF field levels presented in this study. IXUS software uses a fast and accurate EME calculation tool that allows for the determination of RF field strength in the vicinity of radio communication base stations and transmitters. At its core, the IXUS EME calculation module implements evaluation techniques detailed in the ITU-TK.61, CENELEC EN 50383, and IEC 62232 specifications and referenced in C95.3 IEEE Recommended Practice for Measurements and Computations of Electric, Magnetic, and Electromagnetic Fields with Respect to Human Exposure to Such Fields, 0 Hz to 300 GHz. The EME calculation result at any point in 3D space is achieved via a synthetic ray tracing technique, a conservative cylindrical envelope method, or through full-wave electromagnetic simulation. The ray tracing method is an advanced computation method described in IEC 622322 where the power is summed from elemental sources representing the individual components of the antenna which are selected by an analysis of published manufacturer datasheets and antenna pattern information. The selection of the solution method is determined by the particular antenna being considered.

In order to determine the spatial power density for comparison to the FCC limits, IXUS performs a spatial average of power density values between 0-6' above the specified study plane (e.g., ground level).

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 IXUS to perform the theoretical exposure calculations at ground level.

The theoretical calculations performed in IXUS determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table 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.

Maximum Calculated Cumulative Power Density @ Ground Level (Location: approximately 353' 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 ($\mu W/cm^2$)	General Population MPE Limit ($\mu W/cm^2$)	General Population % MPE
AT&T A	CCI TPA65R-BU4D	700	11.15	168.00	4.00	30.00	1563.80	0.00338	466.67	0.00072
AT&T A	CCI TPA65R-BU4D	1900	15.05	168.00	4.00	30.00	3838.67	0.00024	1000.00	0.00002
AT&T A	CCI TPA65R-BU4D	2100	15.05	168.00	4.00	30.00	3838.67	0.00230	1000.00	0.00023
AT&T A	Ericsson AIR 6419	3450	23.05	170.00	1.00	54.22	10943.58	0.03726	1000.00	0.00373
AT&T A	Ericsson AIR 6449	3700	23.55	166.00	1.00	86.75	19645.79	0.03355	1000.00	0.00336
AT&T A	CCI OPA65R-BU4D	700	11.05	168.00	4.00	30.00	1528.20	0.00314	466.67	0.00067
AT&T A	CCI OPA65R-BU4D	850	11.85	168.00	4.00	30.00	1837.30	0.00327	566.67	0.00058
AT&T A	CCI OPA65R-BU4D	2300	14.85	168.00	4.00	18.75	2291.19	0.00013	1000.00	0.00001
AT&T B	CCI TPA65R-BU6D	700	12.35	168.00	4.00	30.00	2061.49	0.07896	466.67	0.01692
AT&T B	CCI TPA65R-BU6D	1900	15.95	168.00	4.00	30.00	4722.60	0.03308	1000.00	0.00331
AT&T B	CCI TPA65R-BU6D	2100	16.25	168.00	4.00	30.00	5060.36	0.03263	1000.00	0.00326
AT&T B	Ericsson AIR 6419	3450	23.05	170.00	1.00	54.22	10943.58	2.50400	1000.00	0.25040
AT&T B	Ericsson AIR 6449	3700	23.55	166.00	1.00	86.75	19645.79	3.20300	1000.00	0.32030
AT&T B	CommScope NNHH-65A-R4	700	11.25	168.00	4.00	30.00	1600.23	0.39438	466.67	0.08451
AT&T B	CommScope NNHH-65A-R4	850	11.75	168.00	4.00	30.00	1795.48	0.35252	566.67	0.06221
AT&T B	CommScope NNHH-65A-R4	2300	16.15	168.00	4.00	18.75	3090.73	0.06575	1000.00	0.00658
AT&T C	CCI TPA65R-BU8D	700	13.45	168.00	4.00	30.00	2655.71	0.00038	466.67	0.00008
AT&T C	CCI TPA65R-BU8D	1900	15.95	168.00	4.00	30.00	4722.60	0.00013	1000.00	0.00001
AT&T C	CCI TPA65R-BU8D	2100	16.15	168.00	4.00	30.00	4945.17	0.00011	1000.00	0.00001
AT&T C	Ericsson AIR 6419	3450	23.05	170.00	1.00	54.22	10943.58	0.03717	1000.00	0.00372
AT&T C	Ericsson AIR 6449	3700	23.55	166.00	1.00	86.75	19645.79	0.03340	1000.00	0.00334
AT&T C	CCI OPA65R-BU8D	700	13.55	168.00	4.00	30.00	2717.57	0.00039	466.67	0.00008
AT&T C	CCI OPA65R-BU8D	850	14.45	168.00	4.00	30.00	3343.35	0.00049	566.67	0.00009
AT&T C	CCI OPA65R-BU8D	2300	16.15	168.00	4.00	18.75	3090.73	0.00083	1000.00	0.00008
Unknown A	Generic Panel 4ft.	700	11.45	156.00	4.00	40.00	2234.19	0.00469	466.67	0.00101
Unknown A	Generic Panel 6ft.	1900	15.55	156.00	4.00	40.00	5742.75	0.00011	1000.00	0.00001
Unknown A	Generic Panel 6ft.	2100	16.45	156.00	4.00	40.00	7065.13	0.00003	1000.00	0.00000
Unknown A	Generic Panel 4ft.	850	11.55	156.00	4.00	40.00	2286.23	0.00195	566.67	0.00034
Unknown B	Generic Panel 4ft.	700	11.45	156.00	4.00	40.00	2234.19	1.27260	466.67	0.27270
Unknown B	Generic Panel 6ft.	1900	15.55	156.00	4.00	40.00	5742.75	0.01719	1000.00	0.00172
Unknown B	Generic Panel 6ft.	2100	16.45	156.00	4.00	40.00	7065.13	0.02097	1000.00	0.00210
Unknown B	Generic Panel 4ft.	850	11.55	156.00	4.00	40.00	2286.23	1.24440	566.67	0.21960
Unknown C	Generic Panel 4ft.	700	11.45	156.00	4.00	40.00	2234.19	0.01652	466.67	0.00354
Unknown C	Generic Panel 6ft.	1900	15.55	156.00	4.00	40.00	5742.75	0.00010	1000.00	0.00001
Unknown C	Generic Panel 6ft.	2100	16.45	156.00	4.00	40.00	7065.13	0.00003	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
Unknown C	Generic Panel 4ft.	850	11.55	156.00	4.00	40.00	2286.23	0.00454	566.67	0.00080
Unknown A	Generic Panel 4ft.	700	11.45	146.00	4.00	40.00	2234.19	0.00561	466.67	0.00120
Unknown A	Generic Panel 4ft.	850	11.55	146.00	4.00	40.00	2286.23	0.00212	566.67	0.00037
Unknown A	Generic Panel 6ft.	1900	15.55	146.00	4.00	40.00	5742.75	0.00002	1000.00	0.00000
Unknown A	Generic Panel 6ft.	2100	16.45	146.00	4.00	40.00	7065.13	0.00002	1000.00	0.00000
Unknown B	Generic Panel 4ft.	700	11.45	146.00	4.00	40.00	2234.19	1.64267	466.67	0.35200
Unknown B	Generic Panel 4ft.	850	11.55	146.00	4.00	40.00	2286.23	1.68527	566.67	0.29740
Unknown B	Generic Panel 6ft.	1900	15.55	146.00	4.00	40.00	5742.75	0.02038	1000.00	0.00204
Unknown B	Generic Panel 6ft.	2100	16.45	146.00	4.00	40.00	7065.13	0.02538	1000.00	0.00254
Unknown C	Generic Panel 4ft.	700	11.45	146.00	4.00	40.00	2234.19	0.00764	466.67	0.00164
Unknown C	Generic Panel 4ft.	850	11.55	146.00	4.00	40.00	2286.23	0.00127	566.67	0.00022
Unknown C	Generic Panel 6ft.	1900	15.55	146.00	4.00	40.00	5742.75	0.00003	1000.00	0.00000
Unknown C	Generic Panel 6ft.	2100	16.45	146.00	4.00	40.00	7065.13	0.00001	1000.00	0.00000
							Cumulative Power Density:	**12.79404 µW/cm²**	**Cumulative % MPE:**	**1.92346%**

Summary

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

Katrina Styx
RF EME Technical Writer
Centerline Communications, LLC

EXHIBIT 6

DOCKET NO. 396 – SBA Towers II, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and management of a telecommunications facility located at 49 Brainerd Road, Niantic (East Lyme), Connecticut.	}	Connecticut Siting Council March 3, 2011

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and management of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to SBA Towers II, LLC, hereinafter referred to as the Certificate Holder, for a telecommunications facility at the SBA Hybrid Site (i.e. approximately 310 feet to the south of the proposed location) at 49 Brainerd Road, East Lyme, Connecticut.

Unless otherwise approved by the Council, the facility shall be constructed, managed, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular Wireless PCS, LLC (AT&T), Cellco Partnership d/b/a Verizon Wireless (Cellco), and other entities, both public and private, but such tower shall not exceed a height of 170 feet above ground level. All commercial wireless telecommunications antennas shall be attached to the tower via T-arms.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of East Lyme for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. Prior to the commencement of operation, the Certificate Holder shall provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of East Lyme public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of East Lyme. Any proposed modifications to this Decision and Order shall likewise be so served.

9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

10. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.

11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

12. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.

13. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

14. The Certificate Holder shall maintain the facility and associated equipment, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping in a reasonable physical and operational condition that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.

15. If the Certificate Holder is a wholly-owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the Certificate Holder within 30 days of the sale and/or transfer.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Day.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
SBA Towers II LLC	Carrie L. Larson, Esq. Pullman & Comley, LLC 90 State House Square Hartford, CT 06103-3702
Intervenor	**Its Representative**
Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597
Intervenor	**Its Representative**
Russell L. Brown	Russell L. Brown 41 Brainerd Road Niantic, CT 06357
Party	**Its Representative**
Town of East Lyme	Edward B. O'Connell, Esq. Waller, Smith & Palmer, P.C. 52 Eugene O'Neill Drive P.O. Box 88 New London, CT 06320

Intervenor	**Its Representative**
New Cingular Wireless PCS, LLC	Daniel M. Laub, Esq. Christopher B. Fisher, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th floor White Plain, NY 10601
Party	**Its Representative**
Friends of the Pattagansett Trust	Keith R. Ainsworth, Esq. Evans Feldman & Ainsworth, LLC 261 Bradley Street P.O. Box 1694 New Haven, CT 06507-1694
Intervenor	**Its Representative**
Joseph Raia	Joseph Raia 97 West Main Street, Unit 9 Niantic, CT 06357

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
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, 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.
   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.

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VIRGINIA BEACH ,VA 23462

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CVS STORE # 4835
4500 PRINCESS ANNE RD
VIRGINIA BEACH ,VA 23462

UPS Access Point™
THE UPS STORE
2085 LYNNHAVEN PKWY
VIRGINIA BEACH ,VA 23456

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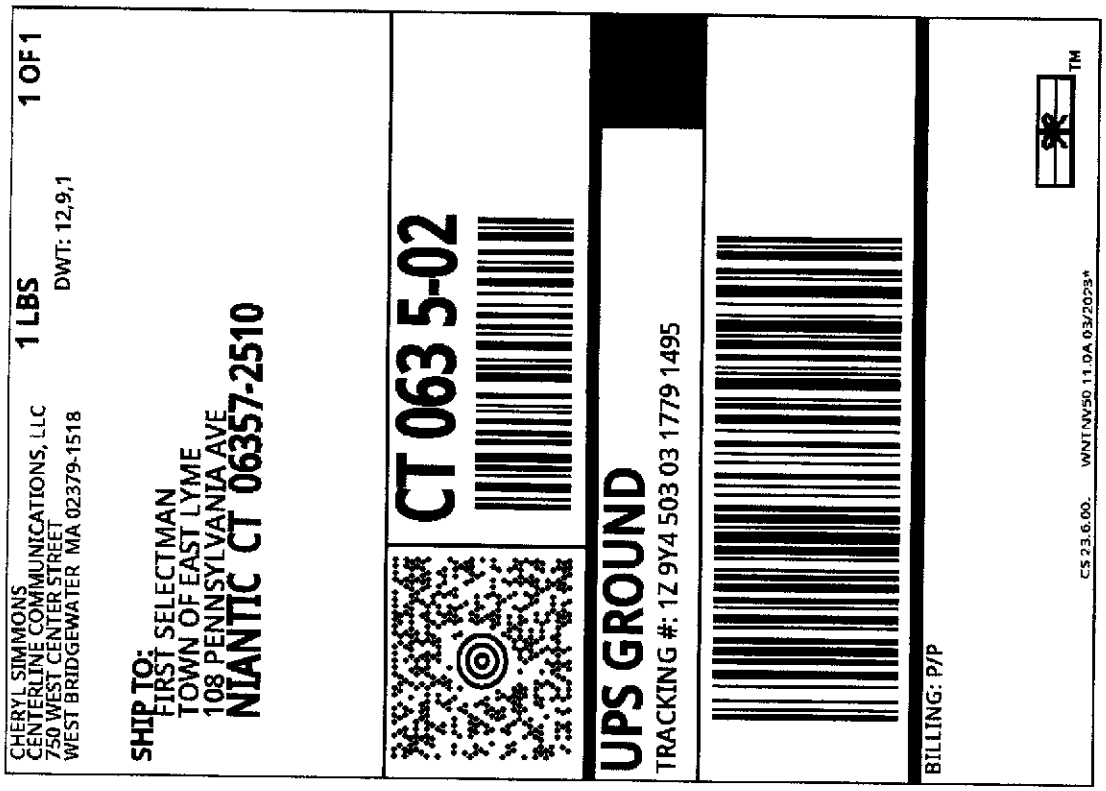

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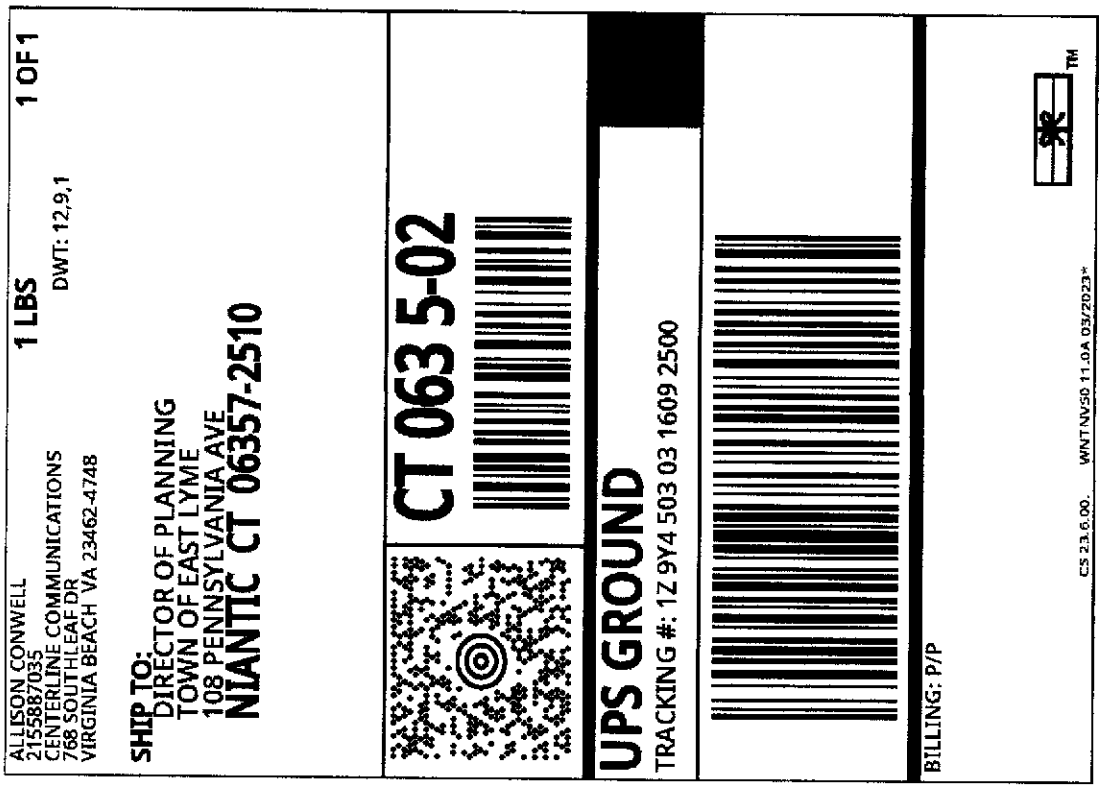

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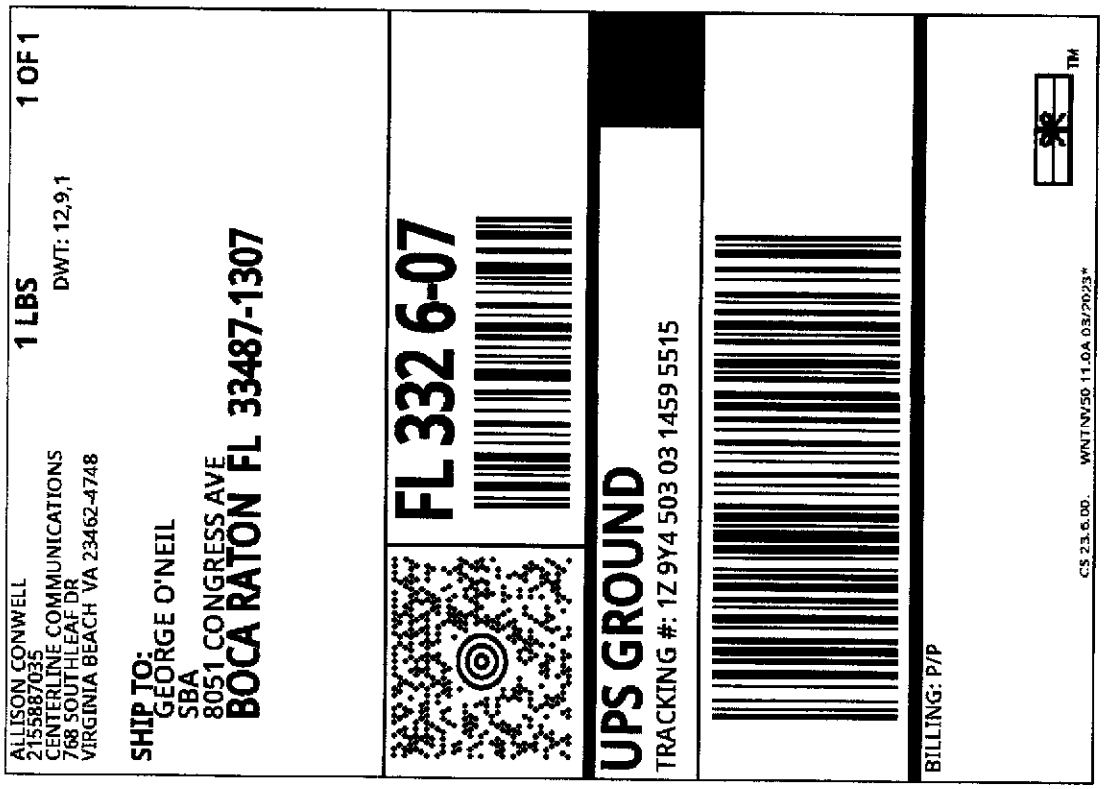

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