STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE:

NEW CINGULAR WIRELESS PCS, LLC (AT&T) PETITION FOR A DECLARATORY RULING, PURSUANT TO CONNECTICUT GENERAL STATUTES §4-176 AND §16-50K, FOR THE INSTALLATION OF A SMALL CELL WIRELESS TELECOMMUNICATIONS FACILITY IN THE PUBLIC RIGHT-OF-WAY NEAR 40 AMELIA PLACE IN STAMFORD, CONNECTICUT.	PETITION NO._____ October 3, 2022

PETITION FOR A DECLARATORY RULING:
INSTALLATION HAVING
NO SUBSTANTIAL ADVERSE ENVIRONMENTAL EFFECT

I. Introduction

Pursuant to Section 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies ("R.C.S.A."), New Cingular Wireless PCS LLC ("AT&T") hereby petitions the Connecticut Siting Council (the "Council") for a declaratory ruling ("Petition") that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new "small cell" wireless telecommunications facility on a new pole in the public right-of-way near 40 Amelia Place in the City of Stamford, Connecticut (the "Site"). AT&T proposes that the Connecticut Light and Power Company d/b/a Eversource Energy ("Eversource") will install an approximately 45'-tall Class 2 utility pole that will be owned by Eversource. The proposed pole will stand approximately 38'6"-tall above grade level ("AGL"). AT&T proposes to mount two small cell antennas to the top of the new utility pole at a centerline height of 38' AGL with a total height of 39' AGL to the top of the antennas. A new equipment cabinet is proposed on the side of the pole. **Attachment 1** includes an authorization from Eversource permitting AT&T to file this Petition.

II. Factual Background

a. AT&T's Need for the Proposed Facility

AT&T identified a need for additional coverage and/or capacity relief in its network in this area of the City of Stamford. The proposed Facility is designed to assure reliable wireless service to AT&T customers in this area, including those traveling along the Metro-North Railway. AT&T has considered several alternative locations to the proposed pole, including all existing Eversource-owned utility poles near the intersection of Amelia Place and Bonner Street. All such utility poles were deemed not feasible due to utility company regulations regarding pole attachments and the

potential interference with the overhead wires and the existing risers.[1] No other suitable poles exist that would provide AT&T the network relief sought.

b. AT&T's Proposed "Small Cell" Facility

AT&T proposes to install its small cell Facility on a new 45'-tall Class 2 utility pole which will stand 38'6" AGL (6'6" of the pole will be buried). The proposed pole will be located in the Amelia Place public right-of-way. Eversource will install and own the pole and lease space to AT&T for the installation and maintenance of the small cell Facility.

AT&T's proposed Facility consists of two antennas mounted to the top of the utility pole and a proposed equipment cabinet attached to the side of the pole. The antennas will be 23.3" in height, 23.3" in width, and 6" in depth. Each antenna will operate at three frequencies, 700BC, PCS, and AWS. The combined wattage for the antennas will be 1325 watts.

The centerline height of AT&T's antennas is approximately 38' AGL. The bottom of the equipment cabinet will be approximately 12'9" AGL. Specifications and details of AT&T's proposed Facility are shown on the drawings included in **Attachment 2**. A structural analysis report confirming that the new pole installation will support AT&T's proposed small cell Facility is included in **Attachment 3**. The power and fiber connections will be provided via overhead wire connected to the pole directly southwest of the proposed pole. Eversource does not propose to use the pole to support it's electrical distribution lines. AT&T does not propose any backup power at this location.

c. Council Jurisdiction

Connecticut law confers jurisdiction to the Council over certain "facilities", including "telecommunication towers." C.G.S. §16-50i(a)(6). State regulations define "tower" as a "structure, whether free standing or attached to a building or another structure… used principally to support one or more antennas for receiving or sending radio frequency signals…." R.C.S.A. §16-50j-2a(30)(A). Utility structures used to support electric distribution lines located within the public right-of-way fall under PURA's jurisdiction. Thus, PURA has jurisdiction over small cell facility attachments to utility poles located within the public right-of-way. PURA, Docket 16-06-38.

Here, the proposed utility pole will be "used principally to support one or more antennas for receiving or sending radio frequency signals" and the pole will not, for the foreseeable future, be used as a part of the existing electric distribution system. The proposed utility pole along with AT&T's wireless equipment constitutes a "facility" over which the Council has jurisdiction. This jurisdiction is consistent with the Council's November 5, 2007 Opinion in Petition No. 809.

[1] Attachments to utility poles with risers are not allowed by Eversource.

III. Discussion

a. The Proposed Small Cell Facility Will Not Have A Substantial Environmental Impact

For the reasons set forth below, AT&T respectfully submits that its proposed small cell Facility will not have a substantial environmental impact and as such a Certificate pursuant to C.G.S. Section 16-50k(a) is not required.

i. Physical Environmental Effects

The proposed utility pole and AT&T's installation of antennas and associated radio and electrical equipment will not result in any significant physical and environmental change to the property or any adjacent parcels. The new pole will be within the public right-of-way where such poles are common. AT&T's proposed small cell Facility will not require any tree removal and the pole installation involves minimal disturbance. Construction of the new pole by Eversource and installation of the equipment by AT&T will occur Monday through Friday between the hours of 8:00am and 5:00pm and construction is not expected to take longer than 90 days. The proposed facility is not located within a 100-year or 500-year flood zone, the nearest wetland is approximately 1,382' from the proposed facility, and the pole location is not within a Natural Diversity Database buffered area.

ii. Visual Effects

The Site is located in a suburban residential area characterized with single-family homes with vegetated buffers. The location of the pole is located within close proximity to the Metro-North Railroad right-of-way. Above-ground utility poles run along Amelia Place and other nearby rights-of-way. Thus, the proposed pole and Facility are consistent with the existing utility infrastructure in the right-of-way. As shown in the photo-detail included in the drawings in **Attachment 2**, the proposed pole and AT&T's small cell Facility will not result in a significant visual impact to the area.

iii. FCC Compliance

The operation of AT&T's antennas will not increase the total radio frequency electromagnetic power density at the site to a level at or above applicable standards. A power density report is included in **Attachment 4** which concludes that the maximum power density at ground/street level from the proposed Facility is 7.4% of the FCC's general public limit. The total radio frequency power density will be well within standards adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and the MPE limits established by the FCC.

b. Notice to Municipal Officials and Adjoining Landowners

Pursuant to R.C.S.A. Section 16-50j-40(a), notice of AT&T's intent to file this Petition was sent to each person appearing of record as an owner of property that abuts the site, as well as the appropriate municipal officials and government agencies as listed in C.G.S Section 16-50*l*. Certification of such notice, a copy of the notice and the list of property owners is included in **Attachment 5** along with the map used to identify abutting property owners. **Attachment 5** also includes a certification of service to municipal officials and government agencies to whom notice was sent.

IV. Conclusion

As set forth above, AT&T's proposed small cell Facility will not result in any known adverse environmental effects. Therefore, and for all the foregoing reasons, AT&T petitions the Council for a determination that the proposed small cell Facility does not require a Certificate of Environmental Compatibility and Public Need and that the Council issue an order approving same.

Respectfully submitted,

Daniel Patrick
On behalf of the Petitioner

cc: Mayor Caroline Simmons, City of Stamford
Ralph Blessing, Land Use Bureau Chief, City of Stamford
Lyda Ruijter, City Clerk, City of Stamford
AT&T
Nexius
Lucia Chiocchio, Esq.
Meyling Nunez

ATTACHMENT 1

Clean Version:

LETTER OF CONSENT

RE: AT&T Small Cell Installation *II* cRAN_RCTB_AMTRK_042

ADDRESS: Near 40 Amelia Place, Stamford, CT 06902

The Connecticut Light and Power Company dba Eversource Energy (Eversource) hereby consents to New Cingular Wireless PCS, LLC ("AT&T"), and/or its agent, filing an application to the Connecticut Siting Council ("Siting Council") for approval and submitting requests for any associated required municipal approvals or reviews ("municipal approvals") as necessary for AT&T's installation of a small cell facility (including Eversource's installation of a utility pole to support such facility) in the public right-of-way at the above-described location. AT&T agrees that no less than ten (10) business days prior to submitting an application to the Siting Council and requests for associated required municipal approvals, AT&T will provide Eversource's representatives a copy of such application and requests for municipal approvals for Eversource's review and comment.

Eversource and AT&T understand that such Siting Council application may be denied, modified, or approved with conditions, and that any such conditions of approval or modifications will be subject to review by Eversource and AT&T as to whether they are acceptable. If such conditions or modifications are acceptable to both Eversource and AT&T, then AT&T will pay costs and expenses that result from their implementation. If such conditions or modifications are not acceptable to either Eversource or AT&T, they will confer to determine any subsequent action or step.

The Connecticut Light and Power Company dba Eversource Energy:

By: Richard A Comeau

Name: *Richard A Comeau*

Date: 09/14/2022

ATTACHMENT 2

AT&T

PROJECT: NEW ENGLAND_NEXIUS_CRAN

SITE NAME:	CRAN_RCTB_AMTRK_042
USID:	291842
PACE NUMBER:	MRCTB045258
FA NUMBER:	15122379
PTN NUMBER:	2051A0SRPT
COORDINATES:	41.038220°, −73.554600°
SITE ADDRESS:	40 AMELIA PLACE STAMFORD, CONNECTICUT 06902

PROJECT INFORMATION

PROJECT:	NEW ENGLAND_NEXIUS_CRAN
SITE NAME:	CRAN_RCTB_AMTRK_042
USID:	291842
PACE NUMBER:	MRCTB045258
LATITUDE:	41.038220°
LONGITUDE:	−73.554600°
SITE ADDRESS:	40 AMELIA PLACE
CITY, STATE ZIP:	STAMFORD, CONNECTICUT 06902
COUNTY:	FAIRFIELD
JURISDICTION:	CITY OF STAMFORD
STRUCTURE TYPE:	PROPOSED UTILITY POLE
STRUCTURE OWNER:	CT DOT
GROUND ELEVATION:	75'± AMSL
APPLICANT:	NEXIUS SOLUTIONS, INC. 300 APOLLO DRIVE, 2ND FLOOR CHELMSFORD, MA 01824 SITE ACQUISITION: NICOLE CAPLANMASON EMAIL: nicole.caplanmason@nexius.com
SITE ACQUISITION:	NEXIUS SOLUTIONS, INC. 300 APOLLO DRIVE, 2ND FLOOR CHELMSFORD, MA 01824
ENGINEERING SERVICES:	NEXIUS SOLUTIONS, INC 2051 MIDWAY ROAD LEWSVILLE, TX 75056−(972) 581−9888

AERIAL PHOTO

SHEET INDEX

SHEET #	SHEET TITLE
T−1	TITLE SHEET
GN−1	GENERAL NOTES
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C−2	PHOTOSIM
C−3	AERIAL MAP TO SCALE
C−4	SITE PLAN FOR ZONING
C−5	ENLARGED SITE PLAN
EQ−1	EQUIPMENT DETAILS
EQ−2	EQUIPMENT DETAILS
EQ−3	EQUIPMENT DETAILS
E−1	ELECTRICAL AND GROUNDING DETAILS

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH CURRENT EDITIONS OF THE FOLLOWING APPLICABLE CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- 2021 INTERNATIONAL BUILDING CODE
- 2020 NATIONAL ELECTRICAL CODE

THESE DRAWINGS ARE DESIGNED TO THE LATEST CODES. THEY ALSO MEET THE ADOPTED CODE REQUIREMENTS OF THE JURISDICTION LISTED ABOVE.

SCOPE OF WORK

1. INSTALL NEW 45'−0" (38'−6" A.G.L.) CLASS 2 WOOD POLE.
2. INSTALL (2) PROPOSED ANTENNAS SIDE MOUNTED ON PROPOSED POLE PER MANUFACTURER'S SPECIFICATIONS.
3. INSTALL (1) EQUIPMENT ENCLOSURE CONTAINING (1) RRU4449, (1) RRU8843, (3) PSU AC08 AND (1) SDX1926Q−43 ON PROPOSED POLE PER MANUFACTURER'S SPECIFICATIONS.
4. INSTALL (1) METER AND (1) AC DISTRIBUTION BOX/SERVICE DISCONNECT ON PROPOSED POLE PER MANUFACTURER'S SPECIFICATIONS AND PER UTILITY AND NEC REQUIREMENTS.

ANY DEVIATION THAT DIFFERS SUBSTANTIALLY FROM WHAT IS SHOWN ON THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE ENGINEER OF RECORD. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK CAN BE MADE DURING CONSTRUCTION WITHOUT ISSUING A CHANGE ORDER.

DRAWING SCALES ARE INTENDED FOR 11" X 17" SIZE PRINTED MEDIA ONLY. ALL OTHER SIZES ARE DEEMED "NOT TO SCALE".

STRUCTURE PHOTO

ONE CALL

811

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN CONNECTICUT, CONTACT CALL BEFORE YOU DIG TOLL FREE: 1−800−922−4455 OR www.cbyd.com

CONNECTICUT STATUTE REQUIRES MIN OF 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE

Know what's below. Call before you dig.

PREPARED BY:

nexius
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
LICENSED PROFESSIONAL ENGINEER
DocuSigned by:
6E2F23EC0DBB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

REV	DATE	DESCRIPTION	BY
A	08/01/22	FOR REVIEW	PM
B	08/09/22	UPDATED ABUTTERS	PM
0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA
CHECKED DATE: 09/15/22

SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

GENERAL CONSTRUCTION

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
2. GENERAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK. GENERAL CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, ORDINANCES, AND ISSUE ALL APPROPRIATE NOTICES.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
5. PLANS ARE NOT TO BE SCALED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
8. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
10. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
11. WORK SHALL BE DONE IN A PROFESSIONAL MANNER BY COMPETENT EXPERIENCED PERSONNEL IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
12. SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
13. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
14. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
15. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
16. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
17. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
18. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
19. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
20. THE GENERAL CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A TO 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
21. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, COMMUNICATIONS, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: FALL PROTECTION, CONFINED SPACE, ELECTRICAL SAFETY, AND TRENCHING / EXCAVATION.
22. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE RESPONSIBLE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
23. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
24. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK SHALL BE GRADED TO A UNIFORM SLOPE AND STABILIZED TO PREVENT EROSION.
25. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
26. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE.
27. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
28. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
29. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
30. CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
31. NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
32. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST GROUNDING STANDARD.
33. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
34. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER.
35. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
36. ALL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

ANTENNA MOUNTING

1. DESIGN AND CONSTRUCTION OF ANTENNA SUPPORTS SHALL CONFORM TO CURRENT ANSI/TIA-222 OR APPLICABLE LOCAL CODES.
2. ALL STEEL MATERIALS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS", UNLESS NOTED OTHERWISE.
3. ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC-COATING (HOT-DIP) ON IRON AND STEEL HARDWARE", UNLESS NOTED OTHERWISE.
4. DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY COLD GALVANIZING IN ACCORDANCE WITH ASTM A780.
5. ALL ANTENNA MOUNTS SHALL BE INSTALLED WITH LOCK NUTS, DOUBLE NUTS AND SHALL BE TORQUED TO MANUFACTURER'S RECOMMENDATIONS.
6. CONTRACTOR SHALL INSTALL ANTENNA PER MANUFACTURER'S RECOMMENDATION FOR INSTALLATION AND GROUNDING.
7. PRIOR TO SETTING ANTENNA AZIMUTHS AND DOWNTILTS, ANTENNA CONTRACTOR SHALL CHECK THE ANTENNA MOUNT FOR TIGHTNESS AND ENSURE THAT THEY ARE PLUMB. ANTENNA AZIMUTHS SHALL BE SET FROM TRUE NORTH AND BE ORIENTED WITHIN +/- 5% AS DEFINED BY THE RFDS. ANTENNA DOWNTILTS SHALL BE WITHIN +/- 0.5% AS DEFINED BY THE RFDS. REFER TO ND-00246.

TORQUE REQUIREMENTS

1. ALL RF CONNECTIONS SHALL BE TIGHTENED WITH A TORQUE WRENCH AND A TORQUE MARK INDICATED ON BOTH SIDES OF THE CONNECTION.
2. ALL GROUNDING AND ANTENNA HARDWARE SHALL ALL BE TIGHTENED WITH A TORQUE WRENCH AND A TORQUE MARK INDICATED ON THE NUT SIDE STARTING FROM THE THREADS TO THE SOLID SURFACE. TORQUE TO THE FOLLOWING VALUES:
   2.1. ALL 5/16" ANTENNA HARDWARE TIGHTENED TO 9 FT-LBS.
   2.2. ALL 1/2" ANTENNA HARDWARE TIGHTENED TO 43 FT-LBS.
   2.3. ALL DIN-TYPE CONNECTIONS TIGHTENED TO 18-22 FT-LBS.
   2.4. ALL N-TYPE CONNECTIONS TIGHTENED TO 15-20 IN-LBS.

COAXIAL CABLE NOTES

1. TYPES AND SIZES OF THE ANTENNA CABLE ARE BASED ON ESTIMATED LENGTHS. PRIOR TO ORDERING CABLE, CONTRACTOR SHALL VERIFY ACTUAL LENGTH BASED ON CONSTRUCTION LAYOUT AND NOTIFY THE PROJECT MANAGER IF ACTUAL LENGTHS EXCEED ESTIMATED LENGTHS.
2. CONTRACTOR SHALL VERIFY THE DOWNTILT OF EACH ANTENNA WITH A DIGITAL LEVEL.
3. CONTRACTOR SHALL CONFIRM COAX COLOR CODING PRIOR TO CONSTRUCTION. REFER TO "ANTENNA SYSTEM LABELING STANDARD" ND-00027 LATEST VERSION.
4. USE 1/2" COAX ON ANTENNAS UNLESS OTHERWISE SPECIFIED.
5. FILL VOID AROUND CABLES AT CONDUIT OPENING WITH FOAM SEALANT TO PREVENT WATER INTRUSION.
6. ALL COAXIAL CABLE SHALL BE SECURED TO THE DESIGNED SUPPORT STRUCTURE, IN AN APPROVED MANNER, AT DISTANCES NOT TO EXCEED 4'-0".
7. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS REGARDING BOTH THE INSTALLATION AND GROUNDING OF ALL COAXIAL CABLES, CONNECTORS, ANTENNAS, AND ALL OTHER EQUIPMENT.
8. ALL OUTDOOR RF CONNECTIONS SHALL BE WEATHERPROOFED USING COLD SHRINK OR HEAT SHRINK ON ALL ANTENNA AND RADIO CONNECTIONS,

GENERAL CABLE AND EQUIPMENT NOTES

1. PRIOR TO INSTALLATION CONTRACTOR SHALL VERIFY MAKE AND MODEL OF ANTENNA, DIPLEXERS, AND COAX CONFIGURATION.
2. ALL CONNECTIONS FOR HANGERS, SUPPORTS, BRACING, ETC. SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL REFERENCE THE STRUCTURAL ANALYSIS/DESIGN DRAWINGS FOR DIRECTIONS ON CABLE DISTRIBUTION/ROUTING.
4. IF REQUIRED TO PAINT ANTENNAS AND/OR COAX:
   4.1. TEMPERATURE SHALL BE ABOVE 50° F.
   4.2. PAINT COLOR MUST BE APPROVED BY BUILDING OWNER/LANDLORD.
   4.3. FOR REGULATED TOWERS, FAA/FCC APPROVED PAINT IS REQUIRED.
   4.4. DO NOT PAINT OVER COLOR CODING OR ON EQUIPMENT MODEL NUMBERS.
5. ALL PROPOSED GROUND BAR DOWNLEADS ARE TO BE TERMINATED TO THE EXISTING ADJACENT GROUND BAR DOWNLEADS A MINIMUM DISTANCE OF 4'-0" BELOW GROUND BAR. TERMINATIONS MAY BE EXOTHERMIC OR COMPRESSION.
6. NO BOLT THREADS TO PROTRUDE MORE THAN 1-1/2".

NOTES REVISION 20200526

PREPARED BY:

nexius
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
LICENSED PROFESSIONAL ENGINEER
DocuSigned by:
6E2C23EC6DBB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

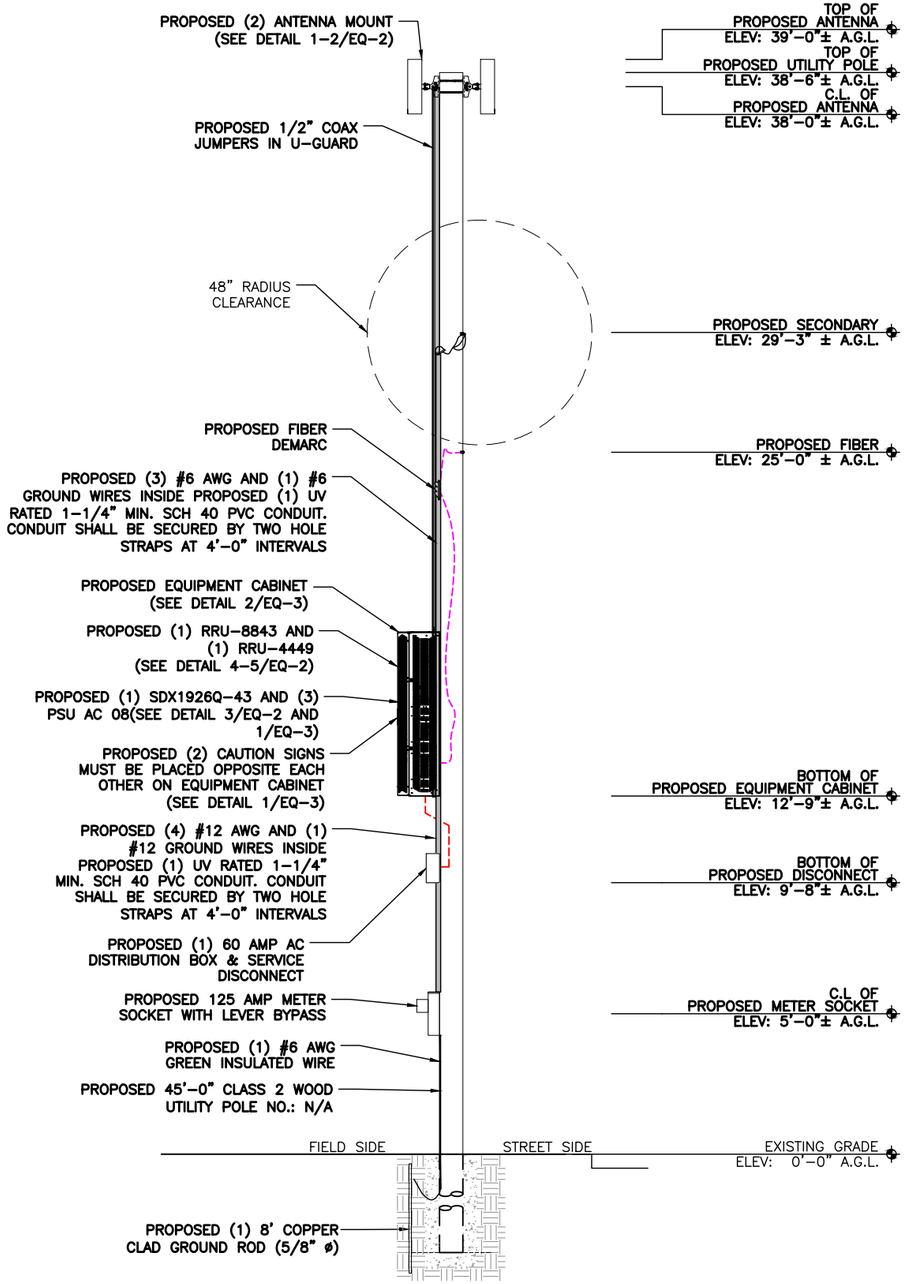
REV	DATE	DESCRIPTION	BY
A	08/01/22	FOR REVIEW	PM
B	08/09/22	UPDATED ABUTTERS	PM
0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA
CHECKED DATE: 09/15/22

SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
GN-1



1 POLE ELEVATION
SCALE: 3/16" = 1'-0"

3/16" = 1'-0"
0 2'-8" 5'-4" 10'-8"

NOTES:

1. AN ANALYSIS OF THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED LOADING HAS NOT BEEN COMPLETED BY NEXIUS. DRAWINGS ARE SUBJECT TO CHANGE PENDING OUTCOME OF A STRUCTURAL ANALYSIS.
2. AT&T SHALL MAKE ARRANGEMENTS WITH THE LOCAL ELECTRICAL UTILITY, TO ADJUST THE POSITION OF THE EXISTING OVERHEAD COMMUNICATION LINES AT SUBJECT UTILITY POLE TO PROVIDE THE REQUIRED CLEARANCE FOR THE INSTALLATION OF THE PROPOSED AT&T ANTENNA. THE PROPOSED INSTALLATION OF THE ANTENNA AND ALL APPURTENANCES SHALL MEET THE REQUIREMENTS OF THE POWER COMPANY AND THE 2020 NATIONAL ELECTRICAL SAFETY CODE.
3. VERIFY EQUIPMENT B.O.M. AGAINST RFDS TO ENSURE YOU HAVE THE RIGHT ANTENNA. NOTIFY YOUR PROJECT PM IF THERE IS A DISCREPANCY IN THE ANTENNA OR MOUNTING BRACKET.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, PRIOR TO THE ONSET OF CONSTRUCTION, THAT THE SUPPORTING STRUCTURE(S) AND MOUNTING SYSTEM(S) HAVE BEEN DEEMED STRUCTURALLY ADEQUATE BY A LICENSED PROFESSIONAL ENGINEER TO SUPPORT THE EXISTING AND PROPOSED EQUIPMENT AND ASSOCIATED CONSTRUCTION LOADS, INCLUDING BUT NOT LIMITED TO THOSE DEPICTED, HEREIN. THE CONTRACTOR SHALL ASSUME THE FULL-LIABILITY AND RISK ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED EQUIPMENT AND/OR APPURTENANCES IF PERFORMED WITHOUT SAID PASSING STRUCTURAL ANALYSIS OR EVALUATION. IF THE RESULT OF THE ANALYSIS REQUIRES THE STRUCTURE BE STRENGTHENED OR MODIFIED; SUCH MODIFICATIONS SHALL BE PROPERLY INSTALLED AND COMPLETED PRIOR TO THE ONSET OF CONSTRUCTION.

2 PHOTO DETAIL
N.T.S.

PREPARED BY:
nexius
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:
AT&T
AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
LICENSED PROFESSIONAL ENGINEER
DocuSigned by:
6E2C23EC7C0B41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

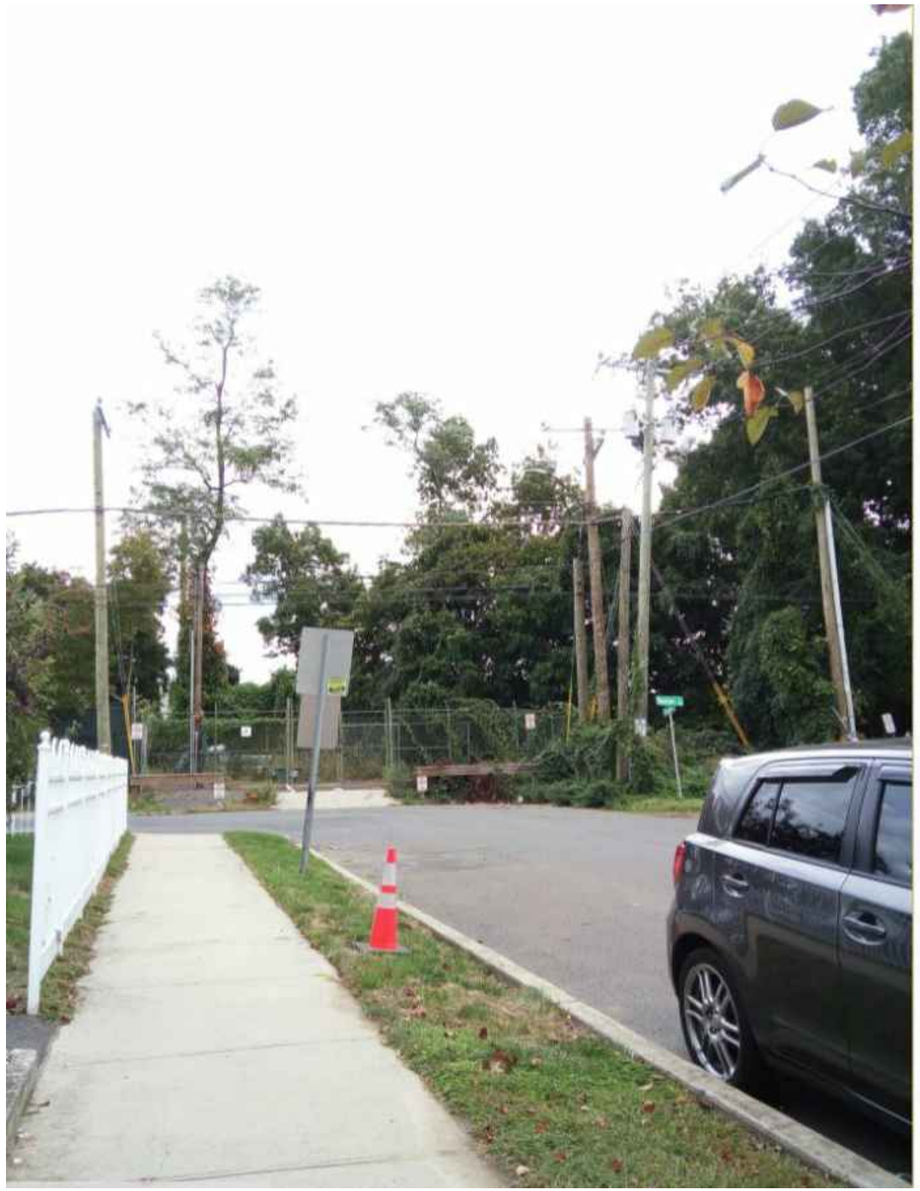
REV	DATE	DESCRIPTION	BY
A	08/01/22	FOR REVIEW	PM
B	08/09/22	UPDATED ABUTTERS	PM
0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA
CHECKED DATE: 09/15/22

SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
POLE ELEVATIONS

SHEET NUMBER:
C-1



1 EXISTING PHOTO
N.T.S

2 PROPOSED PHOTO
N.T.S

PREPARED BY:

nexius

NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
LICENSED PROFESSIONAL ENGINEER

DocuSigned by:
6E2C23EC7C0B41F...

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CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
PHOTOSIMS

SHEET NUMBER:
C-2

1 AERIAL MAP
SCALE: 1:40

1:40
0 40' 80' 160'

PREPARED BY:

NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
REGISTERED
PROFESSIONAL ENGINEER

DocuSigned by:
6F2C23FCF0DB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
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CHECKED BY: MA
CHECKED DATE: 09/15/22

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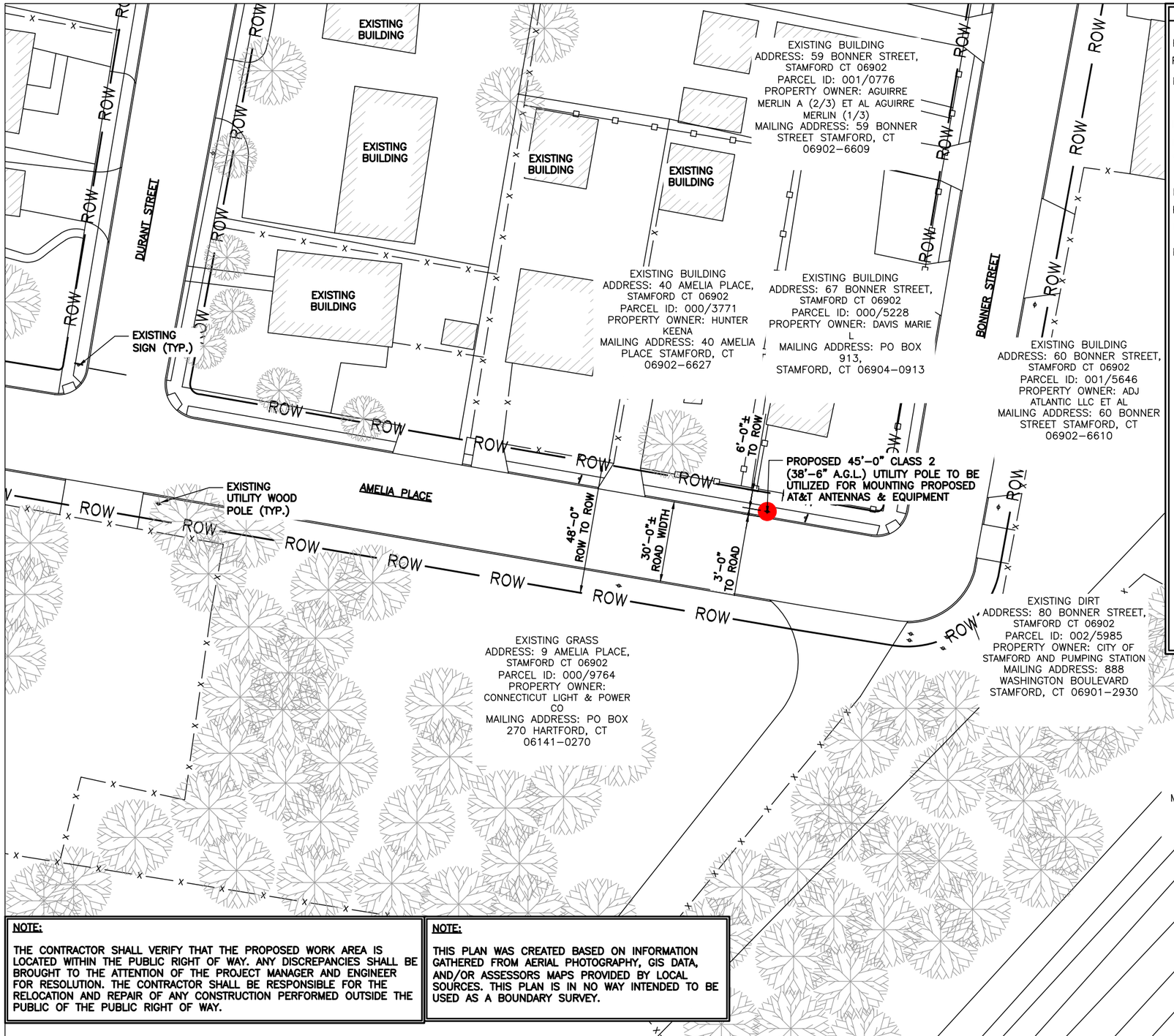
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
AERIAL MAP TO SCALE

SHEET NUMBER:
C-3



ABUTTERS LIST	
PARCEL ID:	000/5228
PROPERTY OWNER:	DAVIS MARIE L
PHYSICAL ADDRESS:	67 BONNER STREET, STAMFORD, CT 06902
MAILING ADDRESS:	PO BOX 913 STAMFORD, CT 06904–0913
PARCEL ID:	000/3771
PROPERTY OWNER:	HUNTER KEENA
PHYSICAL ADDRESS & MAILING ADDRESS:	40 AMELIA PLACE, STAMFORD, CT 06902–6627
PARCEL ID:	002/5985
PROPERTY OWNER:	CITY OF STAMFORD AND PUMPING STATION
PHYSICAL ADDRESS:	80 BONNER STREET, STAMFORD, CT 06902
MAILING ADDRESS:	888 WASHINGTON BOULEVARD, STAMFORD, CT 06901–2930
PARCEL ID:	000/9764
PROPERTY OWNER:	CONNECTICUT LIGHT & POWER CO
PHYSICAL ADDRESS:	9 AMELIA PLACE, STAMFORD, CT 06902
MAILING ADDRESS:	PO BOX 270 HARTFORD, CT 06141–0270
PARCEL ID:	001/5646
PROPERTY OWNER:	ADJ ATLANTIC LLC ET AL
PHYSICAL ADDRESS & MAILING ADDRESS:	60 BONNER STREET, STAMFORD, CT 06902–6610
PARCEL ID:	001/0776
PROPERTY OWNER:	AGUIRRE MERLIN A (2/3) ET AL AGUIRRE MERLIN (1/3)
PHYSICAL ADDRESS & MAILING ADDRESS:	59 BONNOR STREET, STAMFORD, CT 06902–6609
PROPERTY OWNER:	STATE OF CONNECTICUT DOT
MAILING ADDRESS:	P.O. BOX 317546 NEWINGTON, CT 06131

NOTE:

THE CONTRACTOR SHALL VERIFY THAT THE PROPOSED WORK AREA IS LOCATED WITHIN THE PUBLIC RIGHT OF WAY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER AND ENGINEER FOR RESOLUTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND REPAIR OF ANY CONSTRUCTION PERFORMED OUTSIDE THE PUBLIC OF THE PUBLIC RIGHT OF WAY.

NOTE:

THIS PLAN WAS CREATED BASED ON INFORMATION GATHERED FROM AERIAL PHOTOGRAPHY, GIS DATA, AND/OR ASSESSORS MAPS PROVIDED BY LOCAL SOURCES. THIS PLAN IS IN NO WAY INTENDED TO BE USED AS A BOUNDARY SURVEY.

LEGEND	
EXISTING CURB	
PROPERTY LINE	
ROW LINE	ROW
UTILITY POLE	

1 SITE PLAN
SCALE: 1:40

1:40
0 40' 80' 160'

PREPARED BY:

NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
REGISTERED PROFESSIONAL ENGINEER
DocuSigned by:
6E2E23EC5CBB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

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CHECKED DATE: 09/15/22

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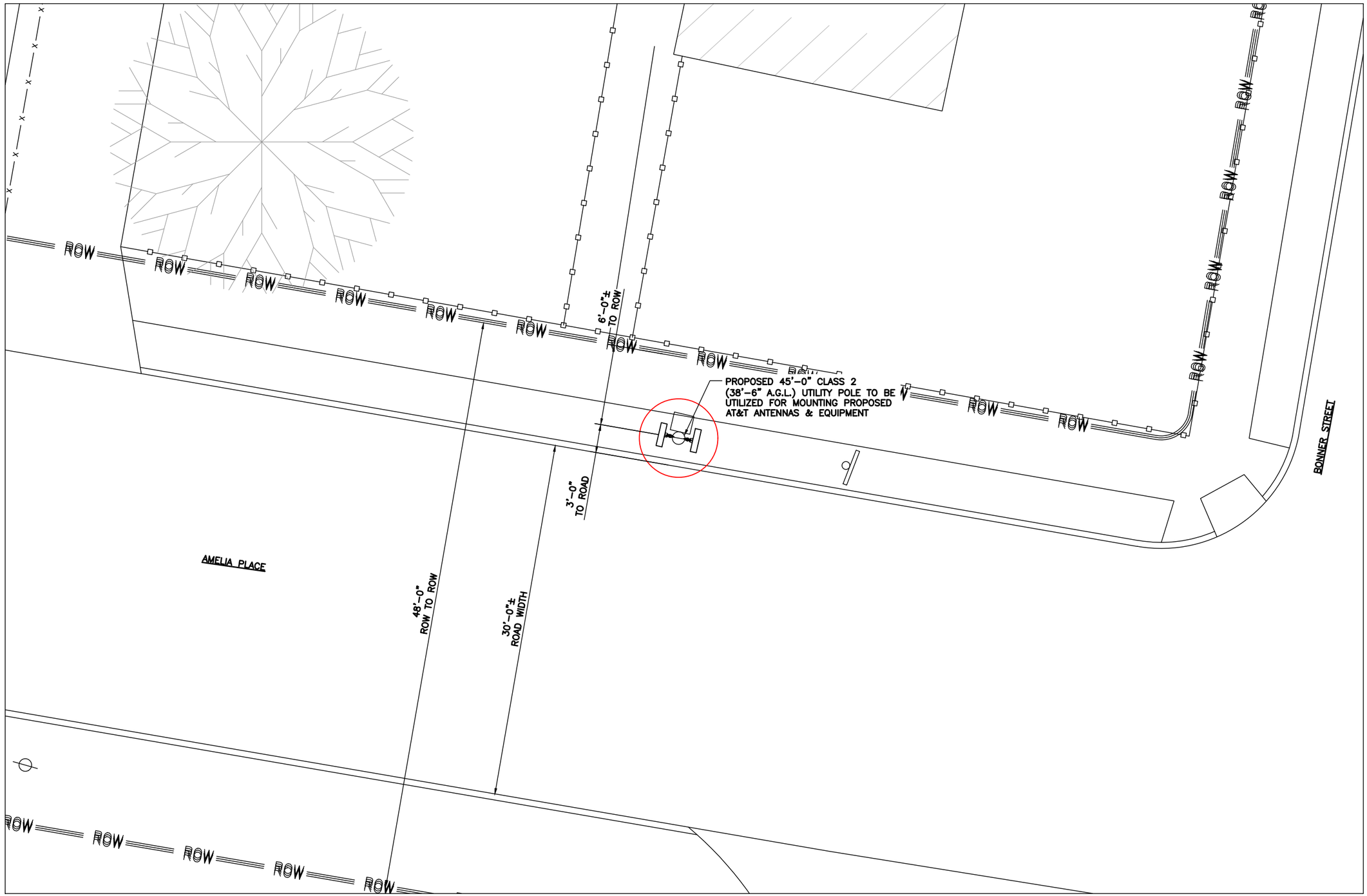
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
SITE PLAN FOR ZONING

SHEET NUMBER:
C-4



1 ENLARGED SITE PLAN
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0" (0, 4, 8, 16)

PREPARED BY:

NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
LICENSED PROFESSIONAL ENGINEER
DocuSigned by:
6E2C23EC5CBB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

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0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

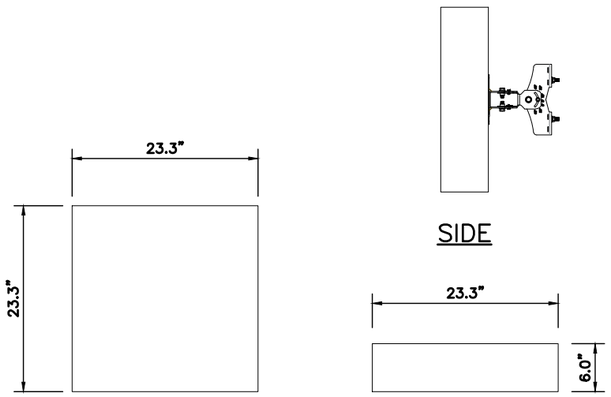
CHECKED BY: MA
CHECKED DATE: 09/15/22

SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
ENLARGED SITE PLAN

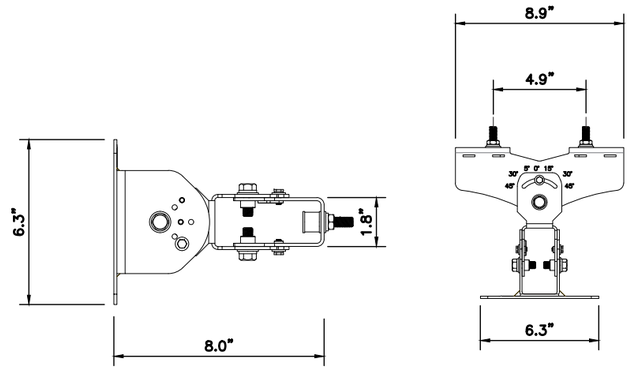
SHEET NUMBER:
C-5

ANTENNA SPECIFICATIONS	
MANUFACTURER	GALTRONICS
MODEL NUMBER	GP2406-06670
HEIGHT	23.3"
WIDTH	23.3"
DEPTH	6.0"
WEIGHT	26.5 LBS.



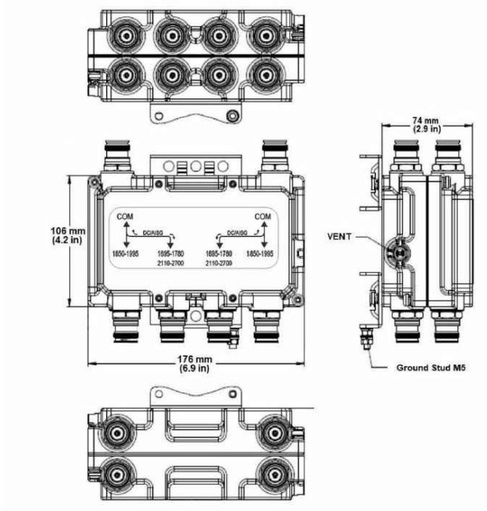
1 ANTENNA DETAIL
SCALE: N.T.S.

ANTENNA BRACKET SPECIFICATIONS	
MANUFACTURER	GALTRONICS
MODEL NUMBER	62-45-09
HEIGHT	6.3"
WIDTH	8.9"
LENGTH	8.0"
WEIGHT	5.4 LBS.
ITEM NUMBER	ANT.16455



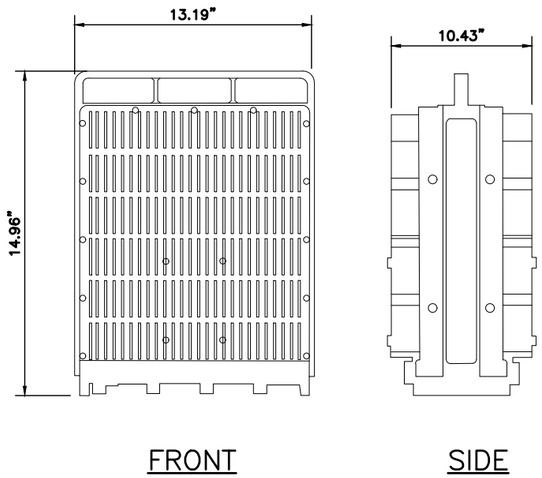
2 ANTENNA BRACKET DETAIL
SCALE: N.T.S.

DIPLEXERS SPECIFICATIONS	
MANUFACTURER	COMMSCOPE
MODEL NUMBER	SDX1926Q-43
HEIGHT	4.17"
WIDTH	6.92"
DEPTH	2.91"
WEIGHT	6.17 LBS.



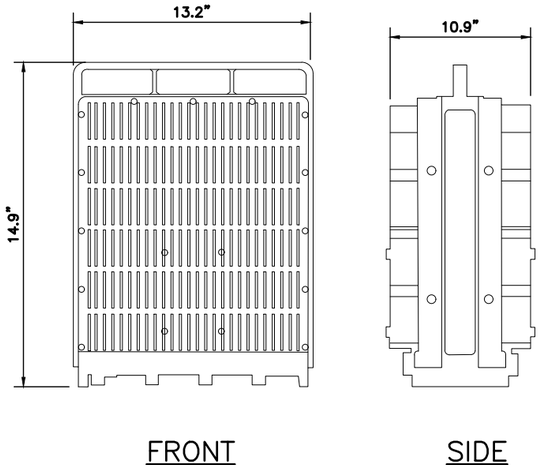
3 DIPLEXERS DETAIL
SCALE: N.T.S.

RADIO SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL NUMBER	RRU 4449
HEIGHT	14.96"
WIDTH	13.19"
DEPTH	10.43"
WEIGHT	73 LBS.



4 RRU 4449 DETAIL
SCALE: N.T.S.

RADIO SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL NUMBER	RRU 8843
HEIGHT	14.9"
WIDTH	13.2"
DEPTH	10.9"
WEIGHT	72 LBS.



5 RRU 8843 DETAIL
SCALE: N.T.S.

6 NOT USED
SCALE: N.T.S.

PREPARED BY:

NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:

AT&T

AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
PROFESSIONAL ENGINEER

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

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0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA

CHECKED DATE: 09/15/22

SITE INFORMATION:

SITE NAME:
CRAN_RCTB_AMTRK_042

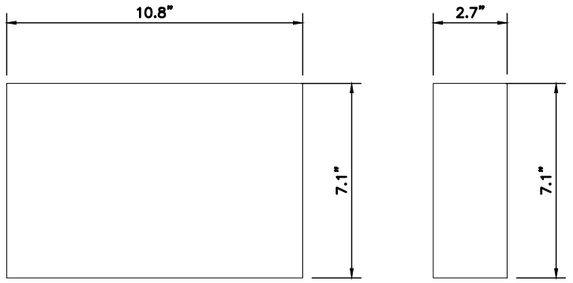
USID:
291842

SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
EQUIPMENT DETAILS

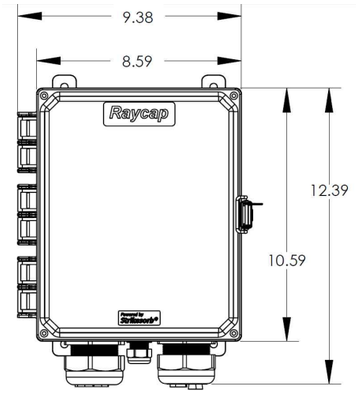
SHEET NUMBER:
EQ-1

PSU SPECIFICATIONS	
MANUFACTURER	ERICSSON
MODEL NUMBER	PSU AC 08
HEIGHT	7.1"
WIDTH	10.8"
DEPTH	2.7"
WEIGHT	11.5 LBS.

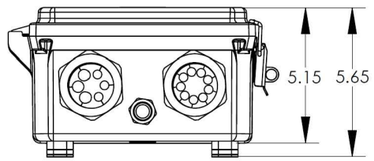


1 PSU AC 08 DETAIL
SCALE: N.T.S.

AC DISTRIBUTION BOX SPECIFICATIONS	
MANUFACTURER	RAYCAP
MODEL NUMBER	RSCAC-9556-P-240-D
HEIGHT	12.39"
WIDTH	8.59"
DEPTH	5.65"
WEIGHT	8.0 LBS.
ITEM NUMBER	CEQ.21617



FRONT



RSCAC-9556-P-240-D
**Hinged cover not shown*

BOTTOM

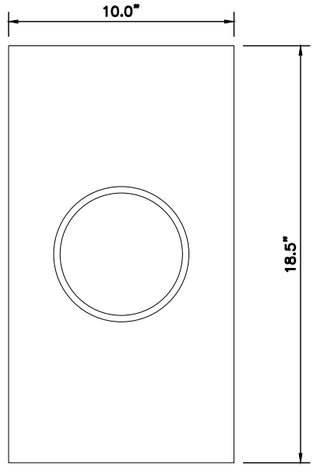
RSCAC-9556-P-240-D

INSIDE

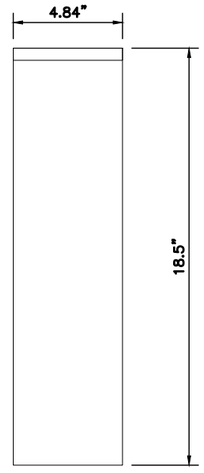
2 AC DISTRIBUTION BOX DETAIL
SCALE: N.T.S.

3 NOT USED
SCALE: N.T.S.

METER SPECIFICATIONS	
MANUFACTURER	MILBANK
MODEL NUMBER	U2272-RL-5T9-BL
HEIGHT	18.5"
WIDTH	10.0"
DEPTH	4.84"



FRONT



SIDE

4 METER MAIN WITH BYPASS DETAIL
SCALE: N.T.S.

PREPARED BY:
nexius
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:
AT&T
AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
REGISTERED
PROFESSIONAL ENGINEER
DocuSigned by:
6E2F23F6F0BB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

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CHECKED DATE: 09/15/22

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CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER:
EQ-2

7"

7"

CAUTION

Radio frequency exposure from antennas on this structure exceed the FCC occupational limit in this area.

Stay at least 12 ft. from the antennas.

before working within that range, call 800-638-2822 (opt.9&3) to deactivate the antennas.

AT&T Site USID_____

AT&T YELLOW CAUTION SIGN
MOUNTED ON THE EQUIPMENT SHROUD

NOTE:

SIGNAGE MUST BE ORDERED FROM ACP INTL SIGNS INC., ACCORDING TO THE GUIDANCE IN SECTION 6.2 "ACPT INTL SIGNS ORDERING PROCESS (CRAN) IN ATT-790-202-062 DAS (DISTRIBUTED ANTENNA SYSTEM) AND CRAN (CENTRALIZED RADIO ACCESS NETWORK) SIGNAGE STANDARD."
http://apex.web.att.com/bookview/bookview.jsp?bookname=att-790-202-062&fulltext

1. ORDERING PART NUMBER FOR THIS SIGN IS: ABOVE R801RPE
2. SIGN DIMENSIONS ARE: HEIGHT= 7", WIDTH=7"
3. USE THE SUPPLIED NUMBER PAD TO ENTER THE NUMBER 12. INTO THE BLANK SPACE AS SHOWN IN THE SIGN DIAGRAM.

6.5"

2.5"

NOTICE

RF energy emitted by this antenna may exceed the FCC's exposure limits for the general population.
Stay at least 12 feet away from the antenna.
Call AT&T at 800-638-2822, option 9 then 3, for help if you need access within 12 feet.

STONEHOUSE RD899

AT&T NOTICE SIGN (TOTAL OF 2)
TO BE PLACED (1) NOTICE STICKER AT THE BOTTOM OF EACH ANTENNA.

6"

2"

The custodian of this station license is AT&T Mobility

fccmw@att.com 1-855-699-7073

AT&T CUSTODIAN SIGN
TO BE MOUNTED TO FRONT OF AC DISTRIBUTION BOX

4.5"

5.5"

EATON BUSSMANN SERIES — FC available fault current calculator

Your System Details:
Project Name:
System Type:
Creation Date:

Fault #1
total s.c. (L-L) 24,586 AMPS
total s.c (L-N.L 36,849 AMPS
Voltage (L-L) 7,200 V

Transformer #1
KVA 50
Voltage secondary 250
%Z 1.50
%Z TOL+10% (Min Fault)

Fault #2
total s.c. (L-L) 11,917 AMPS
total s.c (L-N.L 17,876 AMPS
Voltage (L-L) 250 V

Conductor Set #1
LENGTH 29 FT
SIZE 6
QTY
(per phase) 1
TYPE Three Single Conductors
CONDUIT Nonmagnetic
WIRE Cu, 600 V

Fault #2
total s.c. (L-L) 4.297 AMPS
total s.c (L-N.L 2.828 AMPS
Voltage (L-L) 250 V

Created Using Eaton's Busemann Series – Available Fault Current Calculator 1.5

AT&T FAULT CURRENT SIGN
MOUNTED ON THE DISCONNECT

4"

6"

INFORMATION

AT&T MOBILITY OPERATES TELECOMMUNICATIONS ANTENNAS AT OR NEAR THE TOP OF THIS STRUCTURE.

OBEY GUIDANCE CONTAINED IN ADDITIONAL SIGNAGE NEAR THE ANTENNAS.

CONTACT AT&T MOBILITY AT 800-638-2822 FOR FURTHER INFORMATION REGARDING AT&T MOBILITY'S ANTENNAS.

THIS IS AT&T MOBILITY SITE _____

at&t

AT&T INFORMATION SIGN
TO BE MOUNTED TO FRONT OF AC DISTRIBUTION BOX

10"

8"

DISCONNECT AC & DC POWER BOTH BEFORE WORKING ON POLE

Contact AT&T at 800-638-2822, opt. 9,3 and follow their instructions prior to performing any maintenance or repairs above this point.

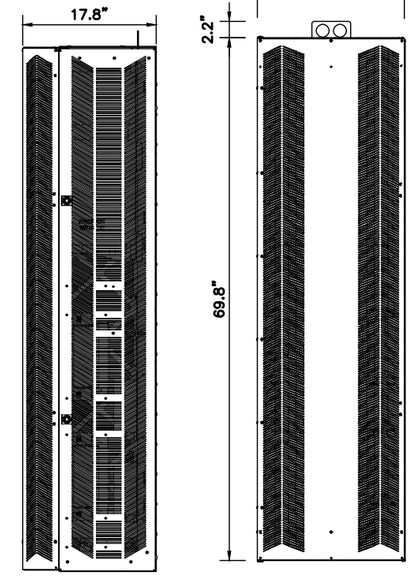
Cell Site USID ☐

STONEHOUSE RD8M

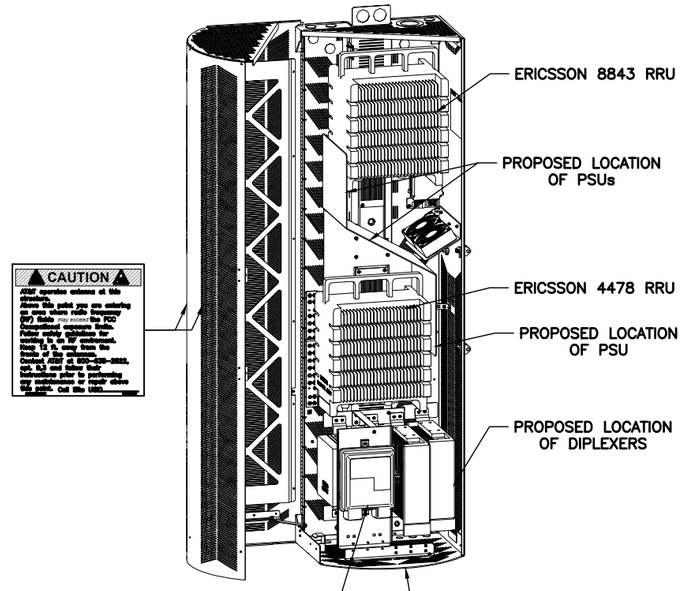
POLE OWNER DISCONNECT SIGN
TO BE PLACED AT THE DISCONNECT

1 SIGNAGE DETAILS
SCALE: N.T.S.

EQUIPMENT ENCLOSURE SPECIFICATIONS	
MANUFACTURER	CHARLES
MODEL NUMBER	SH60-702018DNE7
HEIGHT	70.0"
WIDTH	20.0"
DEPTH	18.0"
WEIGHT	181.0 LBS.
ITEM NUMBER	CEQ.43918



2 EQUIPMENT CABINET DETAIL
SCALE: N.T.S.



NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS

3 EQUIPMENT CABINET DETAIL
SCALE: N.T.S.

PREPARED BY:
nexius
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:
AT&T
AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
PROFESSIONAL ENGINEER
DocuSigned by:
6E2E23EC5CBB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

REV	DATE	DESCRIPTION	BY
A	08/01/22	FOR REVIEW	PM
B	08/09/22	UPDATED ABUTTERS	PM
0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA
CHECKED DATE: 09/15/22

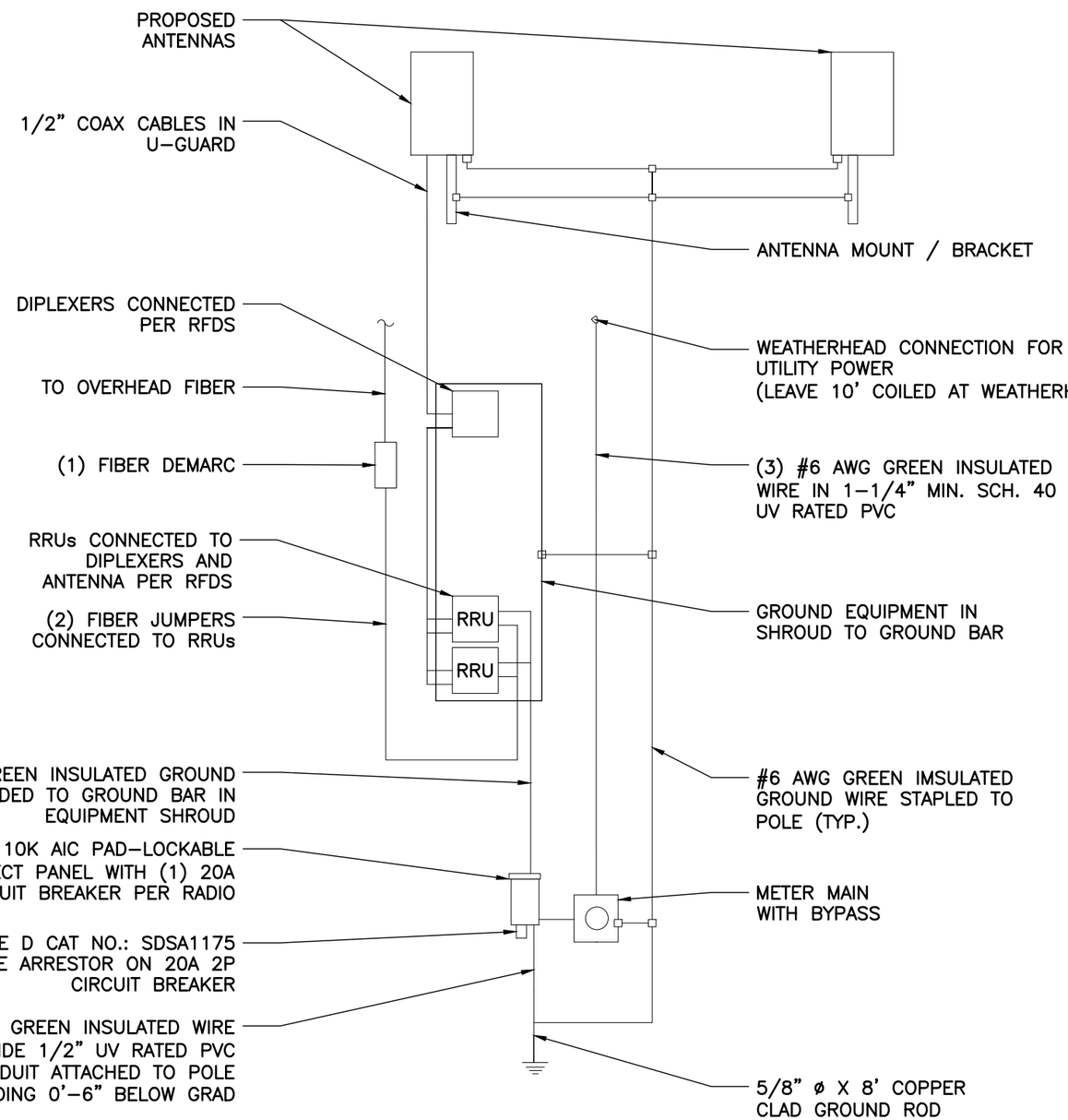
SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

SHEET TITLE:
EQUIPMENT DETAILS

SHEET NUMBER:
EQ-3

NOTES:

1. EQUIPMENT AND LAYOUT SHOWN IS FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO PROPOSED SITE PLAN AND POLE ELEVATION FOR ACTUAL EQUIPMENT LOCATIONS AND CONDITIONS.
2. ALL ELECTRICAL WORK MUST MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.
3. BONDING AND GROUNDING TO MEET APPLICABLE NEC REQUIREMENTS.



1 GENERAL WIRING DIAGRAM
SCALE: N.T.S.

PREPARED BY:
NEXIUS SOLUTIONS, INC.
2051 MIDWAY ROAD
LEWISVILLE, TX 75056

CLIENT:
AT&T
AT&T
550 COCHITUATE ROAD,
FRAMINGHAM, MA 01701

FOR ZONING

STATE OF CONNECTICUT
JACK T. PHIPPS
32330
PROFESSIONAL ENGINEER
DocuSigned by:
6E2F23F6F0BB41F...

DATE SIGNED: 09/15/22

NEXIUS SOLUTIONS, INC.
CONNECTICUT FIRM NO.PEC.0001571
FIRM REGISTRATION RENEWAL 3/17/23.
PE LICENSE RENEWAL 1/31/23

SUBMITTALS

REV	DATE	DESCRIPTION	BY
A	08/01/22	FOR REVIEW	PM
B	08/09/22	UPDATED ABUTTERS	PM
0	09/14/22	FINAL CD	PM
1	09/15/22	PER NEW PHOTOSIM	PM

CHECKED BY: MA
CHECKED DATE: 09/15/22

SITE INFORMATION:
SITE NAME:
CRAN_RCTB_AMTRK_042
USID:
291842
SITE ADDRESS:
40 AMELIA PLACE
STAMFORD, CONNECTICUT 06902

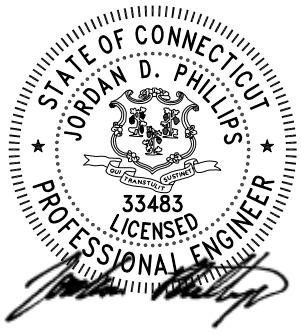
SHEET TITLE:
ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER:
E-1

ATTACHMENT 3

nexius

Engineering Structural Analysis Report



CRAN_RCTB_AMTRK_042

Proposed

MRCTB045258

9/9/2022

ADEQUATE

nexius

Engineering Structural Analysis Report

Reference:	Assessment of the **proposed** 45-ft Class 2 Wooden Pole.
Cascade ID - Candidate:	CRAN_RCTB_AMTRK_042
Site Address:	40 AMELIA PLACE, STAMFORD, CONNECTICUT 06902

We are pleased to provide you with our engineering assessment of the 45-ft Wooden Pole located at 40 AMELIA PLACE, STAMFORD, CONNECTICUT 06902.

The pole analyzed for this project is a 45-ft tall, Class 2 pole. The program calculates an applied wind load on the surface area of the attachments and multiplies that by the height of the attachment to determine a bending moment in the pole (WL load and BM). It also calculates the vertical loads applied and adds the moment due to the applied gravity loads. The calculated moment is compared to the pole capacity and capacity utilization is calculated. The final calculations for this pole indicate a capacity utilization is **63.5%.** This is below the maximum allowable capacity utilization, 100%, so it is determined that the applied loads and configuration is acceptable for this pole.

Existing information such as pole height, line types, line heights and depth of set are based on site photographs gathered by Nexius staff. Line and equipment heights are determined based on standard spacing requirements set forth by the pole owner and standard industry practices. If any of these assumptions are not valid or made in error, the conclusion of this assessment may be affected and NEXIUS should review the effect on the structural integrity of the pole.

To the best of our knowledge and based on the result of this pole loading calculation, the additional loadings to the existing pole will not compromise the structural integrity of this utility/streetlight pole. This pole loading calculation satisfies the minimum requirements set forth by the National Electric Code, National Electric Safety Code, ANSI O5 utility pole standards, and the pole owner's attachment standards. If any of these assumptions are not valid or made in error, the conclusion of this assessment may be affected and NEXIUS should review the effect on the structural integrity of the pole.

Please contact us if you have any questions.

ASSUMPTIONS AND LIMITATIONS OF ANALYSIS

Please note the following assumptions and limitations inherent in this analysis and report:

A) The equipment configuration is as per "15122379.AE201.220823.REV 0 CD 2ND NEW CAND" Drawings by NEXIUS, dated 08/23/2022.

If any of these assumptions are not valid or made in error, the conclusion of this assessment may be affected and NEXIUS should review the effect on the structural integrity of the pole.

Proposed Final Equipment		
Item	**Model**	**Quantity**
Antenna	Galtronics GP2406-06670 w/ Mount Bracket	2
Equipment Cabinet	Charles SH60-702018DNE7	1
Radio	Ericsson 8843	1*
Radio	Ericsson 4449	1*
PSU	Ericsson PSU AC 08	3*
Diplexer	Commscope SDX1926Q-43	1*
AC Distribution Box/Service Disconnect	Raycap RSCAC-9556-P-240-D	1
Meter	Milbank U2272-RL-5T9-BL	1

*Located inside Equipment Cabinet

CONCLUSIONS & RECOMMENDATIONS:

The proposed 45-ft wooden pole has been found **ADEQUATE** to support its overall and total load subject to the attached Standard Conditions on **page 4** and the above-mentioned assumptions and limitations.

Please note that the soils report for the foundation were not available to us at the time of this analysis, therefore, the soil conditions have been assumed.

Should you have any questions, comments or require additional information, please do not hesitate to call.

Sincerely,

Analysis by: Joanne-Marie Zogheib

Reviewed by: Jordan Phillips, PE

nexius

Standard Conditions for Providing Structural Consulting Services on Existing Structures

1. If the existing conditions are not as represented in this structural report or attached sketches, we should be contacted to evaluate the significance of the deviation and revise the structural assessment accordingly.

2. The structural analysis has been performed assuming that the structure is in "like new" condition. No allowance was made for excessive corrosion, damaged or missing structural members, loose bolts, etc. If there are any known deficiencies in the structure that potentially compromise structural integrity, we should be made aware of the deficiencies. If we are aware of a deficiency that exists in a structure at the time of our analysis, a general explanation of the structural concern due to the deficiency will be included in the structural report, but the deficiency will not be reflected in capacity calculations.

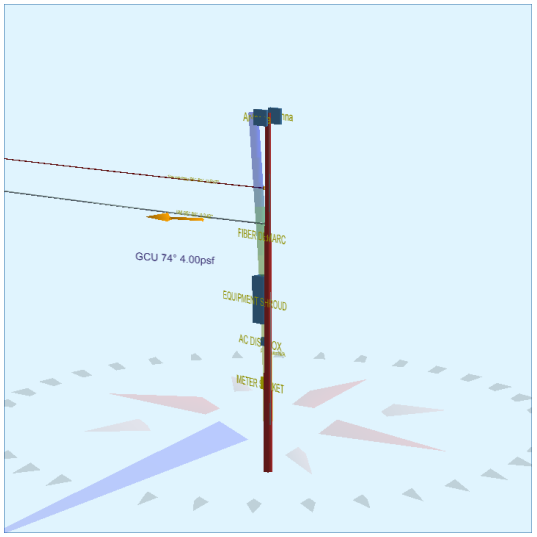
3. The structural analysis provided is an assessment of the primary load carrying capacity of the structure. We provide a limited scope of service, in that we have not verified the capacity of every weld, plate, connection detail, etc. In most cases, structural fabrication details are unknown at the time of our analysis, and the detailed field measurement of this information is beyond the scope of our services. In instances where we have not performed connection/component capacity calculations, it is assumed that existing manufactured connection/component develop the full capacity of the primary members being calculated.

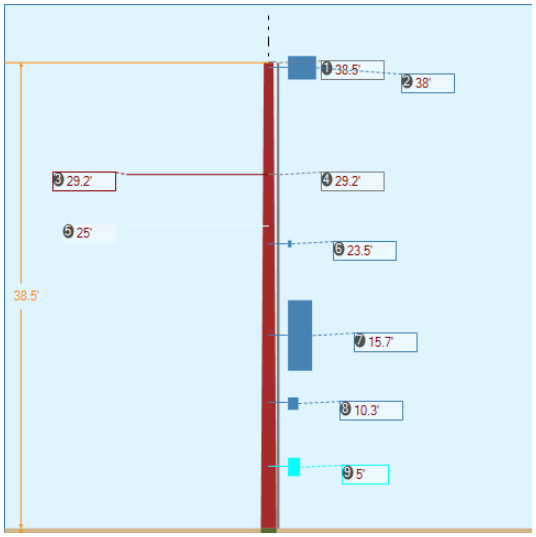
4. We will not accept any liability for the adequacy of the existing foundation system unless accurate structural foundation drawings are provided with a site-specific geotechnical report. Foundations will be assumed installed per the drawings with no construction deficiency due to initial installation or age.

5. Miscellaneous items such as antenna mounts, coax supports, etc. have not been designed, detailed, or specified as part of our work. It is assumed that material of adequate size and strength will be purchased from a reputable component manufacturer. The attached report and sketches are schematic in nature and should not be used to fabricate or purchase hardware and accessories to be attached to the structure. We recommend field measurement of the structure before fabricating or purchasing new hardware and accessories. We are not responsible for proper fit and clearance of hardware and accessory items in the field.

6. The structural analysis has been performed considering minimum code requirements or recommendations. If alternate wind, ice, or deflection criteria are to be considered, then we shall be made aware of the alternate criteria.

Pole Num:	**N/A**	Pole Length / Class:	**45 / 2**	Code:	**NESC**	Structure Type:	**Deadend**
Customer:	**AT&T**	Species:	**SOUTHERN PINE**	NESC Rule:	**Rule 250B**	Status	**Unguyed**
Site Name:	**CRAN_RCTB_AMTRK_042**	Setting Depth (ft):	**6.50**	Construction Grade:	**B**	Pole Strength Factor:	**0.65**
PACE #:	**MRCTB045258**	G/L Circumference (in):	**40.30**	Loading District:	**Heavy**	Transverse Wind LF:	**2.50**
Site Address:	**40 Amelia Place**	G/L Fiber Stress (psi):	**8,000**	Ice Thickness (in):	**0.50**	Wire Tension LF:	**1.65**
USID:	**291842**	Allowable Stress (psi):	**5,200**	Wind Speed (mph):	**39.53**	Vertical LF:	**1.50**
Proposed RAD Center (AGL):	**38'-0"**	Fiber Stress Ht. Reduc:	**No**	Wind Pressure (psf):	**4.00**		
Latitude:	**41.038220 Deg**	Longitude:	**-73.554600 Deg**			Elevation:	**76 Feet**





Pole Capacity Utilization (%)		Height (ft)	Wind Angle (deg)
Maximum	**63.5**	0.0	74.1
Groundline	**63.5**	0.0	74.1
Vertical	**5.3**	18.1	74.1

Pole Moments (ft-lb)		Load Angle (deg)	Wind Angle (deg)
Max Cap Util	**56,604**	87.0	74.1
Groundline	**56,604**	87.0	74.1
GL Allowable	**89,811**		

Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 87.0°

	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
Powers	820	36.4	**23,919**	42.3	**26.6**	**1,390**	46	0	**1,390**	**26.7**
Comms	821	36.4	**20,451**	36.1	**22.8**	**1,188**	83	1	**1,189**	**22.9**
GenericEquipments	198	8.8	**3,969**	7.0	**4.4**	**231**	680	5	**236**	**4.5**
Pole	325	14.4	**6,271**	11.1	**7.0**	**364**	2,079	16	**380**	**7.3**
Risers	89	4.0	**1,982**	3.5	**2.2**	**115**	102	1	**116**	**2.2**
Insulators	0	0.0	**12**	0.0	**0.0**	**1**	9	0	**1**	**0.0**
Pole Load	2,253	100.0	**56,604**	100.0	**63.0**	**3,289**	2,999	23	**3,312**	**63.7**
Pole Reserve Capacity			**33,207**		**37.0**	**1,911**			**1,888**	**36.3**

Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 87.0°

	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
<Undefined>	1,732	76.9	**46,411**	82.0	**51.7**	**2,696**	250	2	**2,698**	**51.9**
GALTRONICS	39	1.7	**1,481**	2.6	**1.7**	**86**	96	1	**87**	**1.7**
CHARLES	138	6.1	**2,303**	4.1	**2.6**	**134**	550	4	**138**	**2.7**
RAYCAP	8	0.4	**84**	0.2	**0.1**	**5**	12	0	**5**	**0.1**
MILBANK	11	0.5	**55**	0.1	**0.1**	**3**	12	0	**3**	**0.1**
CT DOT	325	14.4	**6,271**	11.1	**7.0**	**364**	2,079	16	**380**	**7.3**
Totals:	2,253	100.0	**56,604**	100.0	**63.0**	**3,289**	2,999	23	**3,312**	**63.7**

Detailed Load Components:

Power		**Owner**	**Height (ft)**	**Horiz. Offset (in)**	**Cable Diameter (in)**	**Sag at Max Temp (ft)**	**Cable Weight (lbs/ft)**	**Lead/Span Length (ft)**	**Span Angle (deg)**	**Wire Length (ft)**	**Tension (lbs)**	**Tension Moment* (ft-lb)**	**Offset Moment* (ft-lb)**	**Wind Moment* (ft-lb)**	**Moment at GL* (ft-lb)**
Secondary	DUPLEX 6 AWG		29.25	6.81	0.5370	0.79	0.071	85.0	95.0	85.0	500	23,896	26	79	24,001
											Totals:	**23,896**	**26**	**79**	**24,001**

Comm		**Owner**	**Height (ft)**	**Horiz. Offset (in)**	**Cable Diameter (in)**	**Sag at Max Temp (ft)**	**Cable Weight (lbs/ft)**	**Lead/Span Length (ft)**	**Span Angle (deg)**	**Wire Length (ft)**	**Tension (lbs)**	**Tension Moment* (ft-lb)**	**Offset Moment* (ft-lb)**	**Wind Moment* (ft-lb)**	**Moment at GL* (ft-lb)**
Overlashed Bundle	6M		25.00	7.33	0.2420	0.08	0.104	85.0	95.0	85.0	500	20,424	1	69	20,494

Telco	BELOPTIX AT072 - 72 FIBERS - ARMORED (0.657)	24.95	7.33	0.6570	0.190	85.0	95.0	85.0			1	25	26
										Totals:	**20,424**	**3**	**94**	**20,521**

GenericEquipment		**Owner**	**Height (ft)**	**Horiz. Offset (in)**	**Offset Angle (deg)**	**Rotate Angle (deg)**	**Unit Weight (lbs)**	**Unit Height (in)**	**Unit Depth (in)**	**Unit Diameter (in)**	**Unit Length (in)**	**Offset Moment* (ft-lb)**	**Wind Moment* (ft-lb)**	**Moment at GL* (ft-lb)**
Box	Antenna	GALTRONICS	38.00	15.01	190.0	0.0	31.90	23.30	6.00	--	23.30	-13	743	729
Box	Antenna	GALTRONICS	38.00	15.01	10.0	0.0	31.90	23.30	6.00	--	23.30	13	743	756
Box	FIBER DEMARC		23.50	6.18	10.0	0.0	7.00	7.00	2.50	--	3.00	1	45	47
Box	EQUIPMENT SHROUD	CHARLES	15.67	14.42	10.0	0.0	366.67	70.00	18.00	--	20.00	149	2,162	2,311
Box	AC DIST BOX	RAYCAP	10.27	8.59	10.0	0.0	8.00	12.39	5.65	--	8.59	2	82	84
Box	METER SOCKET	MILBANK	5.00	8.52	10.0	0.0	8.00	18.50	4.84	--	10.00	2	54	56
										Totals:		**154**	**3,829**	**3,983**

Riser		**Owner**	**Height (ft)**	**Horiz. Offset (in)**	**Offset Angle (deg)**	**Rotate Angle (deg)**	**Unit Weight (lbs)**	**Unit Height (in)**	**Unit Depth (in)**	**Unit Diameter (in)**	**Unit Length (in)**	**Offset Moment* (ft-lb)**	**Wind Moment* (ft-lb)**	**Moment at GL* (ft-lb)**
Riser- 2" 300.0°	Riser- 2"		38.50	6.57	300.0	300.0	38.50	462.00	2.00	2.00	462.00	-17	1,153	1,136
Riser- 2" 322.5°	Riser- 2"		29.25	6.57	322.5	322.5	29.25	351.00	2.00	2.00	351.00	-9	862	853
											Totals:	**-26**	**2,015**	**1,989**

Insulator		**Owner**	**Height (ft)**	**Horiz. Offset (in)**	**Offset Angle (deg)**	**Rotate Angle (deg)**	**Unit Weight (lbs)**	**Unit Diameter (in)**	**Unit Length (in)**	**Offset Moment* (ft-lb)**	**Wind Moment* (ft-lb)**	**Moment at GL* (ft-lb)**
Spool	Spool 2.5"		29.25	0.00	90.0	0.0	1.00	2.50	2.12	1	10	11
Bolt	Single Bolt		25.00	0.00	0.0	0.0	5.00	3.00	0.00	0	0	0
									Totals:	**1**	**10**	**12**

Pole Buckling

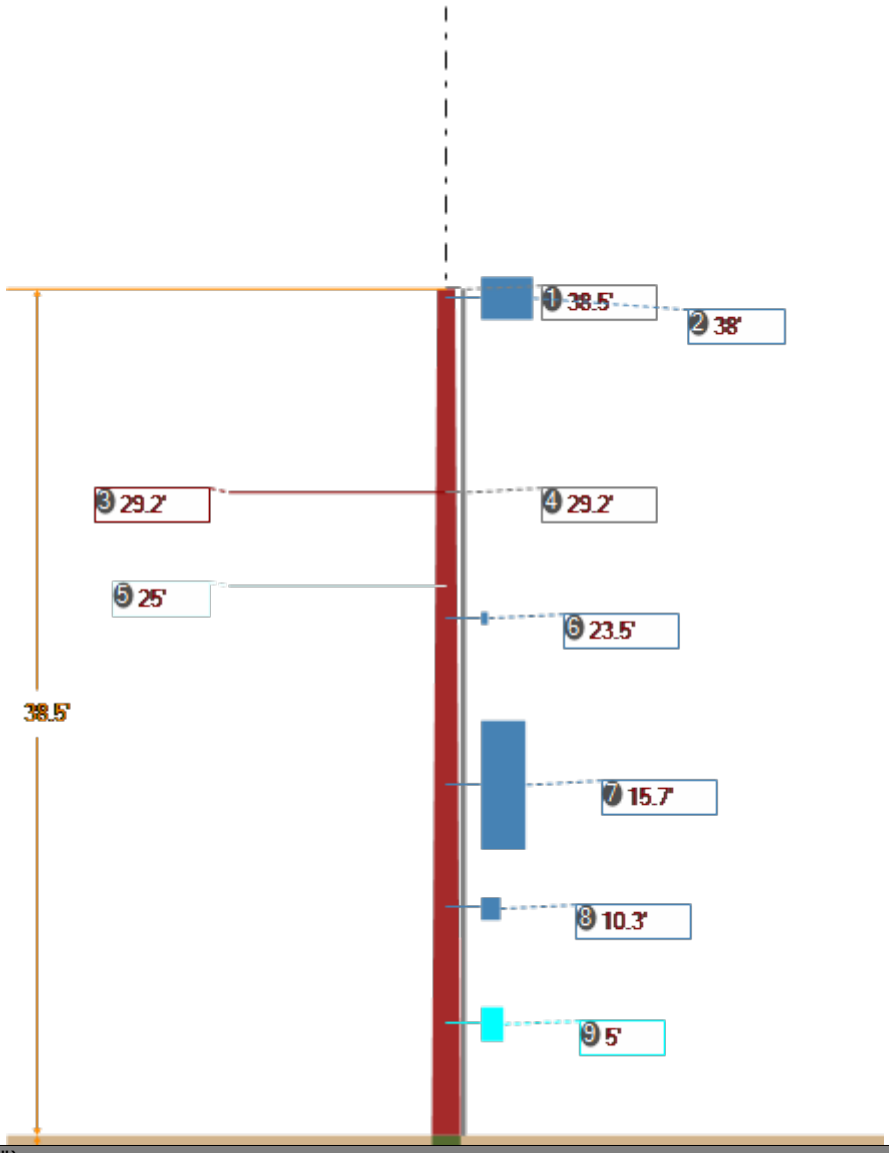
Buckling Constant	**Buckling Column Height* (ft)**	**Buckling Section Height (% Buckling Col. Hgt.)**	**Buckling Section Diameter (in)**	**Minimum Buckling Diameter at GL (in)**	**Diameter at Tip (in)**	**Diameter at GL (in)**	**Modulus of Elasticity (psi)**	**Pole Density (pcf)**	**Ice Density (pcf)**	**Pole Tip Height (ft)**	**Buckling Load Capacity at Height (lbs)**	**Buckling Load Applied at Height (lbs)**	**Buckling Load Factor of Safety**
2.00	18.12	32.68	12.08	13.37	7.96	12.83	1.60e+6	60.00	57.00	38.50	56,721	**565.78**	**18.87**

O-Calc® Pro Schematic View

Pole Identification: N/A

Report Created: 9/9/2022

File: Pole_MRCTB045259_pplx.pplx



1 - 38.5' (462")
Riser- 2" 300.0°

2 - 38' (456")
Antenna
Antenna

3 - 29.2' (351")
Secondary 95° 85' 0.537" (DUPLEX 6 AWG)

4 - 29.2' (351")
Riser- 2" 322.5°

5 - 25' (300")
6M 95° 85' Msgr:0.242"

6 - 23.5' (282")
FIBER DEMARC

7 - 15.7' (188")
EQUIPMENT SHROUD

8 - 10.3' (123.2") AC DIST BOX
9 - 5' (60") METER SOCKET

ATTACHMENT 4

DONALD L. HAES, JR., CHP
Radiation Safety Specialist
PO Box 198, Hampstead, NH 03841 617-680-6262 Email: donald_haes_chp@comcast.net

September 14, 2022

RE: Installation of antennas and associated equipment for an AT&T Mobility "Pico Cell" Personal Wireless Services facility to be mounted on a utility pole in Stamford, CT.

PURPOSE

I have reviewed the information pertinent to the proposed installations. To determine regulatory compliance, theoretical calculations of maximal radio-frequency (RF) fields have been prepared for the proposed site. The physical conditions are that AT&T Mobility proposes to install two (2) antennas along with radio equipment including two (2) remote radio head (RRH or RRU) transmitting units on a utility pole in Stamford, CT. The mounting centerline heights of the antennas is proposed to be 38'6" above ground level (AGL), with one antenna aimed along a 41° azimuth, and the other along the 249° azimuth.

This report considers the contributions of the proposed AT&T Mobility PWS transmitters operating at their proposed FCC licensed capacities. The calculated values of RF fields are presented as a percent of current Maximum Permissible Exposures (%MPE) as adopted by the Federal Communications Commission (FCC).[i,ii]

SUMMARY

Theoretical RF field calculations data indicate the summation of the proposed AT&T Mobility PWS RF contributions at the proposed Pico Cell facility in Stamford, CT would be within the established RF exposure guidelines; see Figure 2. This includes all publicly accessible areas, and the surrounding neighborhoods in general. The results support compliance with the pertinent sections of the FCC's guidelines for RF exposure.

Based on the results of the theoretical RF fields I have calculated; it is my expert opinion that this proposed Pico Cell facility would comply with all regulatory guidelines for RF exposure with the proposed AT&T Mobility antenna and transmitter installations.

EXPOSURE LIMITS AND GUIDELINES

RF exposure guidelines enforced by the FCC were established by the Institute of Electrical and Electronics Engineers (IEEE)[iii] and the National Council on Radiation Protection and Measurement (NCRP).[iv] The RF exposure guidelines are listed for RF workers and members of the public. The applicable FCC RF exposure guidelines for the public are listed in Table 1 and depicted in Figure 1. All listed values are intended to be averaged over any contiguous 30-minute period. NOTE: The values for the public assume 24 hours/day exposure, seven days a week. Also note the values for "workers" are five times the values for members of the public, albeit averaged over six minutes.

Table 1: Maximum Permissible Exposure (MPE) Values in Public Areas

Frequency Bands	Electric Fields	Magnetic Fields	Equivalent Power Density
0.3 – 1.34 MHz	614 (V/m)	1.63 (A/m)	(100) mW/cm^2
1.34 - 30 MHz	824/f (V/m)	2.19/f (A/m)	(100) mW/cm^2
30 - 300 MHz	27.5 (V/m)	0.073 (A/m)	0.2 mW/cm^2
300 - 1500 MHz	--	--	f/1500 mW/cm^2
1500 - 100,000	--	--	1.0 mW/cm^2

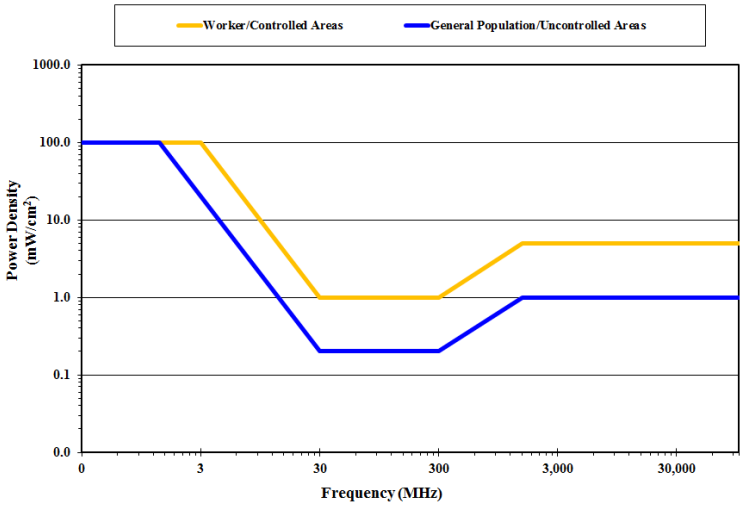


Figure 1: FCC Limits for Maximum Permissible Exposure (MPE)

NOTE: FCC 5% Rule – When the exposure limits are exceeded in an accessible area due to the emissions from multiple fixed RF sources, actions necessary to bring the area into compliance are the shared responsibility of all licensees whose RF sources produce, at the area in question, levels that exceed 5% of the applicable exposure limit proportional to power. (Federal Register / Vol. 85, No. 63 / Wednesday, April 1, 2020 / Rules and Regulations 18145)

INTRODUCTORY INFORMATION: MAKING SENSE OF THE "G"S

There are many references to the so-called "generation" of wireless technologies in use. Each new "generation" of wireless technologies has colloquially been designated a numbered "G."[1] The latest "G" to come out, the fifth generation of wireless technologies or so called "5G", has attracted extensive research interest, both inside and outside the scientific community. According to the 3rd generation partnership project,[2] 5G networks should support three major families of applications: (1) Enhanced mobile broadband; (2) Machine type communications, and (3) Ultra-reliable and low-latency communications. There are also enhanced "vehicle-to-everything" communications which are expected to be supported by 5G networks. These situations require much more "connectivity" than the latest fourth generation (aka "4G" or "Long Term Evolution (LTE)") networks can handle. Thus, new networks must be able to handle this high system throughput, in addition to supporting existing older technologies still in use. This is being accomplished through additional spectrum assignments both higher and lower than currently assigned frequencies used by PWS facilities. In fact, currently deployed 5G networks are operating at frequencies once used by television stations.

Nonetheless, frequencies assigned by the FCC for 5G use are all within the bands currently under regulatory oversight, including setting safe limits of exposure to RF energy for both workers, and members of the public. Just recently (4/2020) the FCC has reaffirmed the efficacy of their regulatory exposure limits to RF energy, including those for 5G. From an RF safety standpoint, there is nothing peculiar about the fifth generation of wireless technologies that would set it apart from any of the other advancements of technologies; including the first two generations (first analog then digital communications), the third generation (the first to be referred to a numbered-series as "3G"), and the currently deployed fourth generations (LTE). Recently published studies in peer-reviewed journals[v] have shown typical exposures to RF energy from operating 5G systems to be well-within the exposure limits.

The FCC currently has categories of devices operating in the Citizens Broadband Radio Service (CBRS) 3.5 GHz band. Category "A" refers to a lower power base station and Categories "B" and "C" refer to CBRS devices that must be deployed outdoors and have higher maximum power limits compared with Category A devices. Category A devices have a maximum allowable Equivalent Isotropically Radiated Power (EIRP) limit per 10 MHz of 30 dBm (1 watt), while Categories B and C have EIRP limits of 47 dBm (50 watts) and 62 dBm (1585 watts), respectively.

[1] PWS "Generations": **1G**: Analog voice; **2G**: Digital voice; **3G**: Mobile data; **4G**: LTE and mobile Internet; **5G**: Mobile networks interconnect people, control machines, objects, and devices with multi-Gbps peak rates and ultra-low latency.

[2] SOURCE: (https://www.3gpp.org/about-3gpp) The 3rd Generation Partnership Project (3GPP) unites [Seven] telecommunications standard development organizations (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC), known as "Organizational Partners" and provides their members with a stable environment to produce the Reports and Specifications that define 3GPP technologies.

ANTENNA & TRANSMITTER INVENTORIES

The transmitter and antenna data and supporting parameters for the proposed AT&T "Pico Cell" Site in Stamford, CT is contained in Table 2. See **Appendix A** for Remote Radio Head Unit (RRH or RRU) specifications and **Appendix B** for specifications & patterns of energy for the proposed antennas.

Table 2: Transmitter and Antenna Data and Supporting Parameters for Proposed AT&T "Pico Cell" to be Mounted on a utility pole in Stamford, CT

Remote Radio Head Unit (RRH or RRU) See Appendix A for Specifications			**Antenna See Appendix B for Specifications & Patterns**				
Model	Frequency[†]/ FCC Assigned Band	# Tx X Output Power[‡]	Manufacturer / Model Number and Quantity	Gain (dBi)	**ERP** (watts)[⁂]	Centerline Height ('AGL)	Electrical / Mechanical Down-Tilt (º)
RRUS-4449	869-894 MHz / Band 5	1 X 60 watts	Galtronics / GP2406-06670: 2 spaced 180° apart	10.45	666	38'6"	0º
RRUS-4449	729-746 MHz / Band 12	1 X 60 watts		10.45	666		
RRUS-8843	1930-1990 MHz / Band 2	1 X 60 watts		13.35	1298		
RRUS-8843	2110-2180 MHz / Band 66A	1 X 80 watts		13.85	1941		

Table Notes

† Transmitter (Tx) Frequency: Central transmit frequency used to account for multiple channels.

‡ Maximum rated output power (per channel).

⁂ **ERP**: ERP It is equal to the input power to the antenna multiplied by the gain of the antenna.

THEORETICAL RF FIELD CALCULATIONS - GROUND LEVELS METHODOLOGY FOR DIRECTIONAL ANTENNAS

These calculations are based on what are called "worst-case" estimates. That is, the estimates assume 100% use of all transmitters simultaneously. Additionally, the calculations make the assumption that the surrounding area is a flat plane. The resultant values are thus conservative in that they over predict actual resultant power densities. The calculations use the following information (See Table 2 data):

1. Effective Radiated Power (ERP); see Appendix A data sheets.
2. Antenna height: centerline, above ground level (AGL).
3. Antenna vertical energy patterns; the source of the negative gain (G) values); see Appendix B data sheets. Antennas are designed to focus the RF signal, resulting in "patterns" of signal loss and gain. Antenna energy patterns display the loss of signal strength relative to the direction of propagation due to elevation angle changes. The gain is expressed in this document as "G^E".

Note: "G" is a unitless factor usually expressed in decibels (dB); where $G = 10^{(dB/10)}$. For example: for an antenna *gain* of 3 dB, the net factor (G) = $10^{(3/10)} = 2$. For an antenna *loss* of -3 dB, the net factor (G) = $10^{(-3/10)} = 0.5$

The magnitude of the RF field (the power density (S)) from an isotropic RF source is calculated making use of the power density formula as outlined in FCC's OET Bulletin 65, Edition 97-01: [vi]

$$S = \frac{P \cdot G}{4 \cdot \pi \cdot R^2}$$

Where:
- $P \rightarrow$ Power to antenna (watts)
- $G \rightarrow$ Gain of antenna
- $R \rightarrow$ Distance (range) from antenna source to point of intersection with the ground (feet)
- $R^2 = (\text{Height})^2 + (\text{Horizontal distance})^2$

Since: $P \cdot G = EIRP$ (Effective Isotropic Radiated Power), and for the situation of off-axis power density calculations, apply the negative elevation gain (G^E) value from the vertical energy patterns with the following formula:

$$S = \frac{EIRP \cdot G^E}{4 \cdot \pi \cdot R^2}$$

Ground reflections may add in-phase with the direct wave, and essentially double the electric field intensity. Because power density is proportional to the *square* of the electric field, the power density may quadruple, that is, increase by a factor of four (4).

Since ERP is routinely used, convert ERP into EIRP by multiplying by the factor of 1.64 (the gain of a ½-wave dipole relative to an isotropic radiator).

$$S = \frac{4 \cdot (ERP \cdot 1.64) \cdot G^E}{4 \cdot \pi \cdot R^2} = \frac{ERP \cdot 1.64 \cdot G^E}{\pi \cdot R^2} = \frac{0.522 \cdot ERP \cdot G^E}{R^2}$$

To calculate the % MPE, use the formula:

$$\% \text{ MPE} = \frac{S}{MPE} \cdot 100$$

Note that any loss along the horizontal direction was neglected which means the results would be the maximum values in any direction. The resultant values are thus conservative in that they over predict actual resultant power densities. The data used to prepare the theoretical RF field calculations are outlined in Table 2.

OBSERVATIONS IN CONSIDERATION WITH FCC RULES §1.1307(B) & §1.1310

Will it be physically possible to stand next to or touch any omnidirectional antenna and/or stand in front of a directional antenna?

NO; access to the utility pole is restricted, and the site will adhere to established RF safety guidelines regarding the transmitting antennas, including the appropriate signage.

RESULTS

The results of the %MPE calculations for the summation of the proposed AT&T Mobility RF emissions are depicted in Figure 2 as plotted against linear distance from the base of the proposed AT&T Mobility Pico Cell site in Stamford, CT. The values have been calculated for a height of six feet above ground level in accordance with regulatory rationale. Note that the value of the public limit is plotted at an MPE of 100% (shown at the top of the chart).

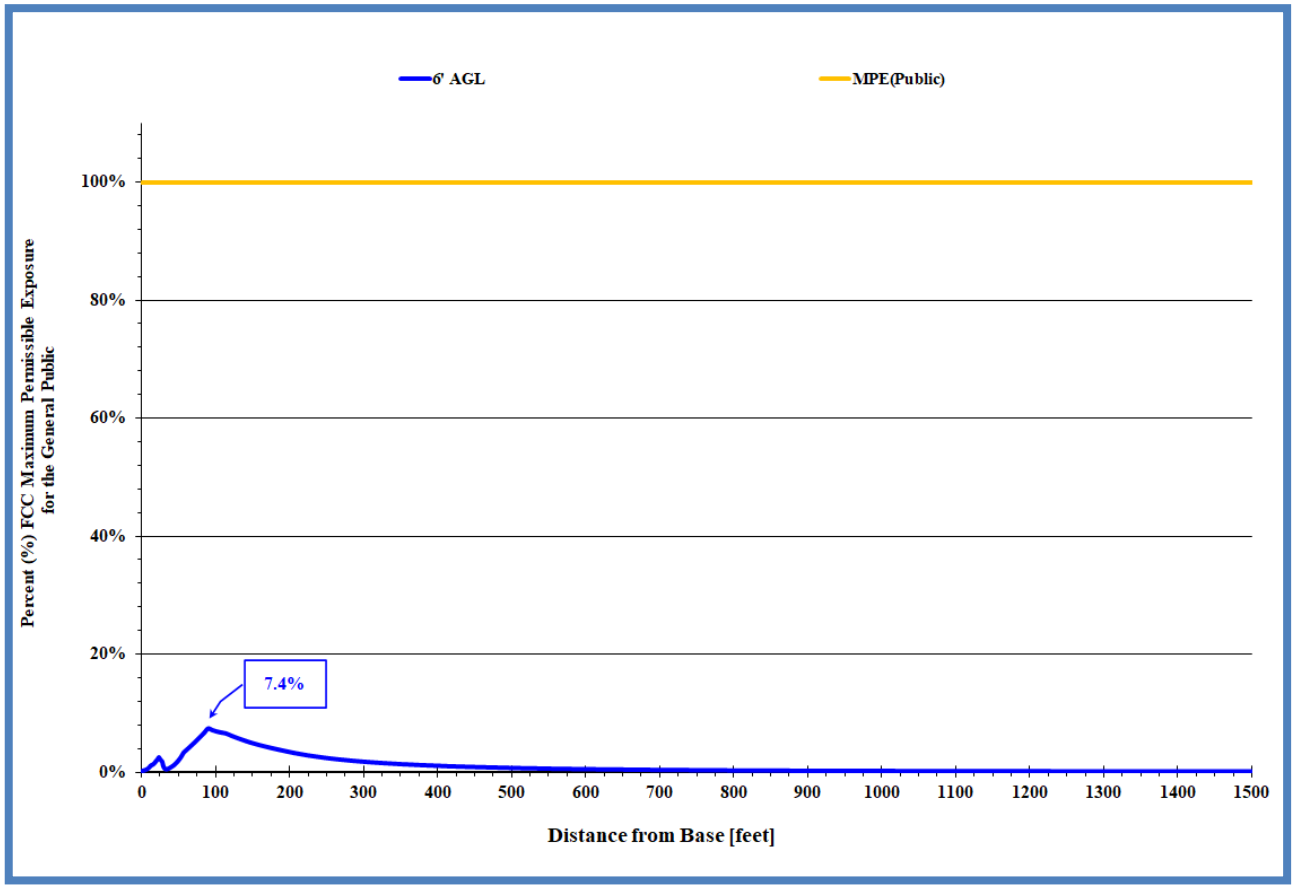


Figure 2: Theoretical Cumulative Maximum Percent MPE - vs. - Distance
PWS RF Emissions in any Direction
Proposed AT&T Mobility Pico Site in Stamford, CT

CONCLUSION

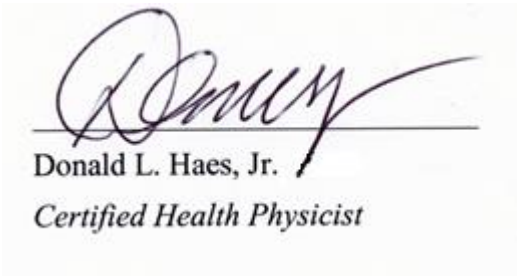
Theoretical RF field calculations data indicate the summation of the proposed AT&T Mobility PWS RF contributions at the proposed Pico Cell facility in Stamford, CT would be within the established RF exposure guidelines; see Figure 2. This includes all publicly accessible areas, and the surrounding neighborhoods in general. The results support compliance with the pertinent sections of the FCC's guidelines for RF exposure.

The number and duration of calls passing through PWS facilities cannot be accurately predicted. Thus, to estimate the highest RF fields possible from operation of these installations, the maximal amount of usage was considered. Even in this so-called "worst-case," the resultant increase in RF field levels is far below established levels considered safe.

Based on the results of the theoretical RF fields I have calculated; it is my expert opinion that this proposed Pico Cell facility would comply with all regulatory guidelines for RF exposure with the proposed AT&T Mobility antenna and transmitter installations.

Feel free to contact me if you have any questions.

Sincerely,



Donald L. Haes, Jr.
Certified Health Physicist

Note: The analyses, conclusions and professional opinions are based upon the precise parameters and conditions of this particular site; **AT&T SC PWS facility mounted on a utility pole in Stamford, CT**. Utilization of these analyses, conclusions and professional opinions for any personal wireless services installation, existing or proposed, other than the aforementioned has not been sanctioned by the author, and therefore should not be accepted as evidence of regulatory compliance.

DONALD L. HAES, JR., CHP

Radiation Safety Specialist

PO Box 198, Hampstead, NH 03841 617-680-6262 Email: donald_haes_chp@comcast.net

STATEMENT OF CERTIFICATION

1. I certify to the best of my knowledge and belief, the statements of fact contained in this report are true and correct.

2. The reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are personal, unbiased professional analyses, opinions, and conclusions.

3. I have no present or prospective interest in the property that is the subject of this report and I have no personal interest or bias with respect to the parties involved.

4. My compensation is not contingent upon the reporting of a predetermined energy level or direction in energy level that favors the cause of the client, the amount of energy level estimate, the attainment of a stipulated result, or the occurrence of a subsequent event.

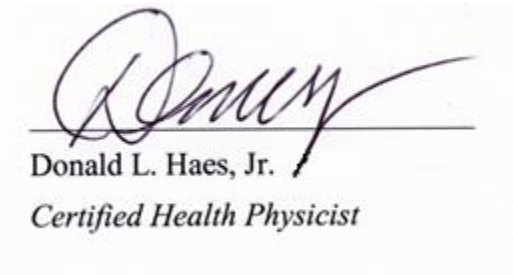
5. This assignment was not based on a requested minimum environmental energy level or specific power density.

6. My compensation is not contingent on an action or event resulting from the analyses, opinions, or conclusions in, or the use of, this report.

7. The consultant has accepted this assessment assignment having the knowledge and experience necessary to complete the assignment competently.

8. My analyses, opinions, and conclusions were developed, and this report has been prepared, in conformity with the *American Board of Health Physics* (ABHP) statements of standards of professional responsibility for Certified Health Physicists.

Date: September 14, 2022



DONALD L. HAES, JR., CHP

Radiation Safety Specialist

PO Box 198, Hampstead, NH 03841 617-680-6262 Email: donald_haes_chp@comcast.net

SUMMARY OF QUALIFICATIONS

- **Academic Training -**
  - Graduated from Chelmsford High School, Chelmsford, MA; June 1973.
  - Completed Naval Nuclear Naval Nuclear Power School, 6-12/1976.
  - Completed Naval Nuclear Reactor Plant Mechanical Operator and Engineering Laboratory Technician (ELT) schools and qualifications, Prototype Training Unit, Knolls Atomic Power Laboratory, Windsor, Connecticut, 1-9/1977.
  - Graduated Magna Cum Laude from University of Lowell with a Bachelor of Science Degree in *Radiological Health Physics*; 5/1987.
  - Graduated from University of Lowell with a Master of Science Degree in *Radiological Sciences and Protection*; 5/1988.

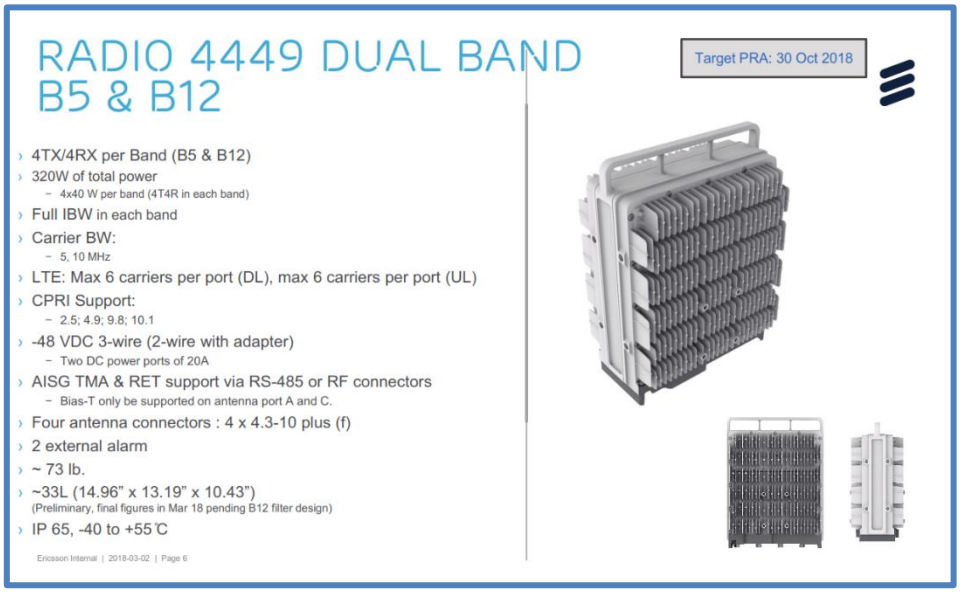
- **Certification -**
  - Board Certified by the American Board of Health Physics 1994; renewed 1998, 2002, 2006, 2010, 2014, and 2018. Expiration 12/31/2022.
  - Board Certified by the Board of Laser Safety 2008; renewed 2011, 2014, 2017, 2020. Expiration 12/31/2023.

- **Employment History -**
  - Consulting Health Physicist; Ionizing/Nonionizing Radiation, 1988 - present.
  - Radiation, RF and Laser Safety Officer; BAE Systems, 2005–2018 (retired).
  - Assistant Radiation Safety Officer; MIT, 1988 – 2005 (retired).
  - Radiopharmaceutical Production Supervisor - DuPont/NEN, 1981 – 1988 (retired).
  - United States Navy; Nuclear Power Qualifications, 1975 – 1981 (Honorably Discharged).

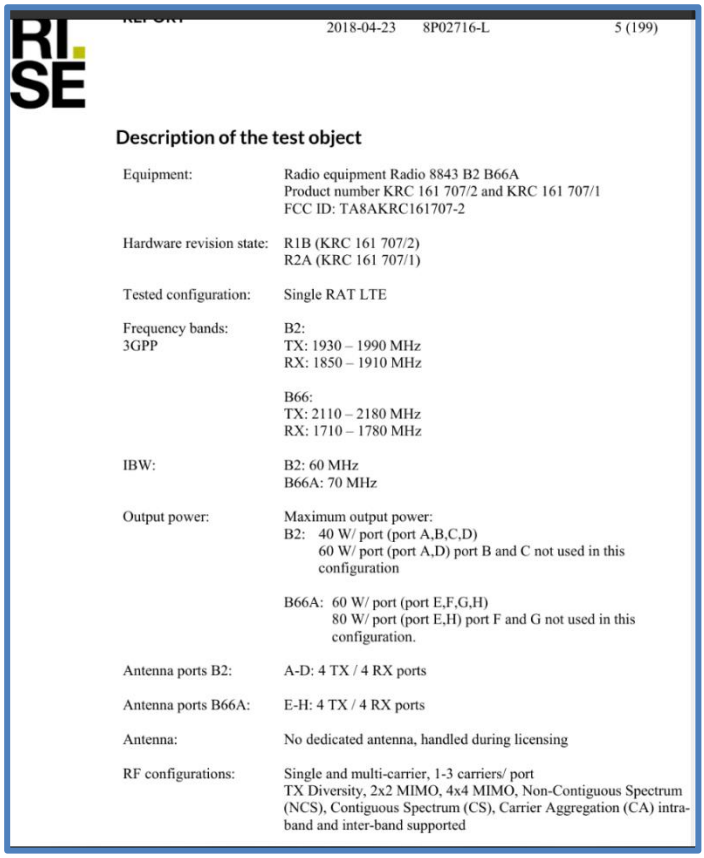
- **Professional Societies -**
  - Health Physics Society [HPS].
  - American Academy of Health Physics [AAHP]
  - Institute of Electrical and Electronics Engineers [IEEE];
  - International Committee on Electromagnetic Safety [ICES] (ANSI C95 series).
  - Laser Institute of America [LIA].
  - Board of Laser Safety [BLS].
  - American National Standards Institute Accredited Standards Committee [ASC Z136].
  - Committee on Man and Radiation [COMAR].

APPENDIX A

SPECIFIC REMOTE RADIO HEAD UNITS
RRU 4449 (Bands 5, and 12)



RRU 8843 (Bands 2 and 66A)



RI. SE

2018-04-23 8P02716-L 5 (199)

Description of the test object

Equipment:	Radio equipment Radio 8843 B2 B66A Product number KRC 161 707/2 and KRC 161 707/1 FCC ID: TA8AKRC161707-2
Hardware revision state:	R1B (KRC 161 707/2) R2A (KRC 161 707/1)
Tested configuration:	Single RAT LTE
Frequency bands: 3GPP	B2: TX: 1930 – 1990 MHz RX: 1850 – 1910 MHz B66: TX: 2110 – 2180 MHz RX: 1710 – 1780 MHz
IBW:	B2: 60 MHz B66A: 70 MHz
Output power:	Maximum output power: B2: 40 W/ port (port A,B,C,D) 60 W/ port (port A,D) port B and C not used in this configuration B66A: 60 W/ port (port E,F,G,H) 80 W/ port (port E,H) port F and G not used in this configuration.
Antenna ports B2:	A-D: 4 TX / 4 RX ports
Antenna ports B66A:	E-H: 4 TX / 4 RX ports
Antenna:	No dedicated antenna, handled during licensing
RF configurations:	Single and multi-carrier, 1-3 carriers/ port TX Diversity, 2x2 MIMO, 4x4 MIMO, Non-Contiguous Spectrum (NCS), Contiguous Spectrum (CS), Carrier Aggregation (CA) intra-band and inter-band supported

APPENDIX B
ANTENNA SPECIFICATIONS & ENERGY PATTERNS: GALTRONICS / GP2406-06670

GALTRONICS

30°/30° 6-Port Directional Panel Antenna [698-896, 1695-2690 and 5150-5925 MHz]

GP2406-06670

Description:

- Single-sector Hex-port MIMO antenna for high capacity and stadium venues.
- 30°/30° beam width dual-polarized covering LTE/ CELL, AWS/PCS/WCS and LAA/U-NII Bands.
- 2x ports for 698-896 MHz and 1695-2690 MHz
- 2x ports for 1695-2690 MHz
- 2x ports for 5150-5925 MHz*

698-896, 1695-2690 & 5150-5925 MHz Directional Panel Antenna

*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E

Electrical Specifications

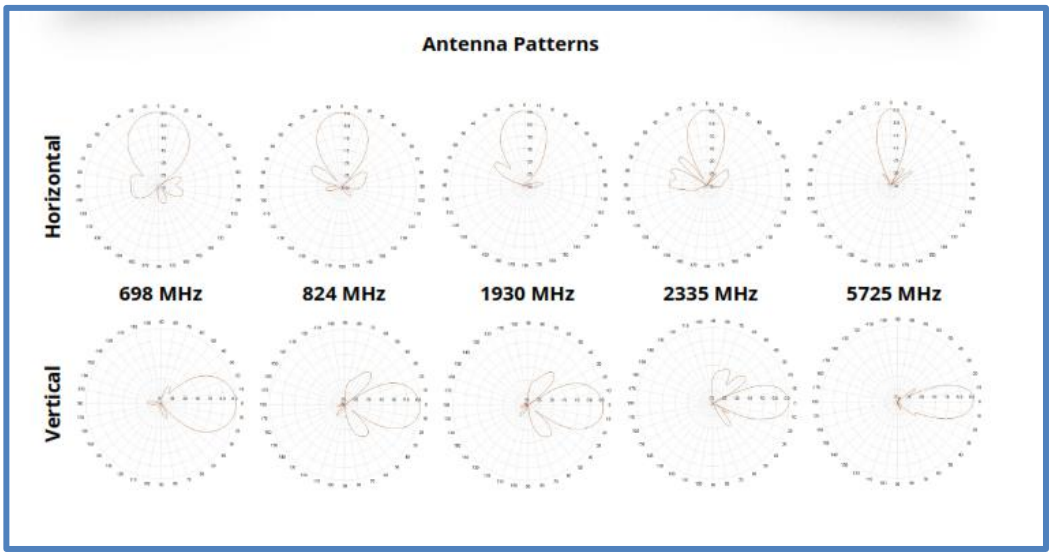
Frequency Band [MHz]	698-806	806-896	1695-2180	2300-2400	2496-2690	5150-5925
Input Connector Type	2x 4.3-10 (F)					2x 4.3-10 (F)
			2x 4.3-10 (F)			
Isolation (Typ.)	20 dB					
VSWR/Return Loss (Typ.)	<1.5:1 / 14.0 dB					
Impedance	50 Ω					
Polarization	Dual slant 45° (±45°)					
Horizontal Beamwidth	39.6°	33.9°	32.4°	24.2°	23.4°	20.9°
Vertical Beamwidth	36.3°	31.7°	27.2°	22.8°	20.3°	21.1°
Max. Gain	12.6 dBi	13.0 dBi	15.5 dBi	16.0 dBi	16.7 dBi	6.0 dBi
Avg. Gain	12.2 dBi	12.7 dBi	14.6 dBi	15.5 dBi	15.9 dBi	5.3 dBi
Front-to-Back Ratio, 180°	28 dB	30 dB	30 dB	30 dB	30 dB	30 dB
Max Power / Port	150 Watts		100 Watts			1 Watt
PIM @ 2x43 dBm	<-153 dBc		<-153 dBc			N/A

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	26.5 lbs (12.0 kg)
Antenna Depth	6.0" (152 mm)
Antenna Width	23.3" (592mm)
Antenna Height	23.3" (592mm)
Radome Material	ASA
Radome Color	Gray
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

Release Date: September 19, 2018; Revision: 1.02; RFDA06670

WWW.GALTRONICS.COM



REFERENCES

[i]. Federal Register, Federal Communications Commission Rules; *Radiofrequency radiation; environmental effects evaluation guidelines* Volume 1, No. 153, 41006-41199, August 7, 1996. (47 CFR Part 1; Federal Communications Commission).

[ii]. Telecommunications Act of 1996, 47 USC; Second Session of the 104th Congress of the United States of America, January 3, 1996.

[iii]. IEEE C95.1-1999: American National Standard, *Safety levels with respect to human exposure to radio frequency electromagnetic fields, from 3 kHz to 300 GHz* (Updated in 2020 as C95.1-2019/Cor 2-2020™ *Standard for Safety Levels with Respect to Human Exposure to Electric, Magnetic, and Electromagnetic Fields, 0 Hz to 300 GHz, Corrigenda 2*).

[iv]. National Council on Radiation Protection and Measurements (NCRP); *Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields*, NCRP Report 86, 1986.

[v]. Jamshed, Muhammad Ali (Institute of Communication Systems (ICS), Home of 5G Innovation entre (5GIC), University of Surrey, Guildford GU2 7XH, U.K). *Electro-magnetic field exposure reduction/avoidance for the next generations of wireless communication systems.* IEEE Journal of Electromagnetics, RF, And Microwaves in Medicine and Biology, Vol. 4, No. 1, March 2020.

[vi]. OET Bulletin 65: Federal Communications Commission Office of Engineering and Technology, *Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields*; Edition 97-01, August 1999.

ATTACHMENT 5

CERTIFICATION OF SERVICE

I hereby certify that on September 30, 2022 a copy of the following notice of the intended filing of a Petition with the Connecticut Siting Council for a declaratory ruling was sent by certified mail, return receipt requested, to the list below:

Dated: 9/30/2022

Cuddy & Feder LLP
45 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for:
New Cingular Wireless PCS, LLC (AT&T)

State

THE HONORABLE WILLIAM TONG ATTORNEY GENERAL OFFICE OF THE ATTORNEY GENERAL 165 CAPITOL AVENUE HARTFORD, CT 06106	DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT DAVID LEHMAN, COMMISSIONER 450 COLUMBUS BLVD HARTFORD, CT 06103
DEPARTMENT OF PUBLIC HEALTH MANISHA JUTHANI, MD, COMMISSIONER 410 CAPITOL AVENUE HARTFORD, CT 06134	PUBLIC UTILITIES REGULATORY AUTHORITY MARISSA P. GILLETT, CHAIRMAN 10 FRANKLIN SQUARE NEW BRITAIN, CT 06051
COUNCIL ON ENVIRONMENTAL QUALITY PAUL ARESTA, EXECUTIVE DIRECTOR 79 ELM STREET, 6th FLOOR HARTFORD, CT 06106	DEPARTMENT OF TRANSPORTATION JOSEPH GIULIETTI, COMMISSIONER 2800 BERLIN TURNPIKE, P.O. BOX 317546 NEWINGTON, CT 06131
DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION KATIE DYKES, COMMISSIONER 79 ELM STREET HARTFORD, CT 06106	DEPARTMENT OF AGRICULTURE BRYAN P. HURLBURT, COMMISSIONER 450 COLUMBUS BOULEVARD SUITE 701 HARTFORD, CT 06103
OFFICE OF POLICY AND MANAGEMENT JEFFREY R. BECKHAM, SECRETARY 450 CAPITOL AVENUE HARTFORD, CT 06106	SECRETARY OF THE STATE MARK F. KOHLER 165 CAPITOL AVENUE, SUITE 1000 P.O. BOX 150470 HARTFORD, CT 06115
GOVERNOR NED LAMONT STATE CAPITOL 210 CAPITOL AVENUE HARTFORD, CT 06106	DEPARTMENT OF EMERGENCY SERVICES & PUBLIC PROTECTION DIVISION OF EMERGENCY MANAGEMENT AND HOMELAND SECURITY JAMES C. ROVELLA, COMMISSIONER

	1111 COUNTRY CLUB ROAD MIDDLETOWN, CT 06457
STATE HISTORIC PRESERVATION OFFICE 450 COLUMBUS BOULEVARD, FLOOR 5 HARTFORD, CT 06103	STATE REPRESENTATIVE-DISTRICT 145 COREY P. PARIS LEGISLATIVE OFFICE BUILDING 300 CAPITOL AVENUE ROOM 4000 HARTFORD, CT 06106
STATE SENATOR – DISTRICT S27 PATRICIA BILLIE MILLER LEGISLATIVE OFFICE BUILDING 300 CAPITOL AVENUE ROOM 3300 HARTFORD, CT 06106	WESTERN CONNECTICUT COUNCIL OF GOVERNMENTS 1 RIVERSIDE ROAD SANDY HOOK, CT 06482

Federal

FEDERAL COMMUNICATIONS COMMISSION 45 L STREET NE WASHINGTON, DC 20554	FEDERAL AVIATION ADMINISTRATION 800 INDEPENDENCE AVENUE, SW WASHINGTON, DC 20591
U.S. SENATOR CHRISTOPHER MURPHY COLT GATEWAY 120 HUYSHOPE AVENUE SUITE 401 HARTFORD, CT 06106	U.S. SENATOR RICHARD BLUMENTHAL 90 STATE HOUSE SQUARE, 10TH FLOOR HARTFORD, CT 06103
U.S. CONGRESSMAN – 4TH DISTRICT JIM HIMES 888 WASHINGTON BOULEVARD 10TH FLOOR STAMFORD, CT 06901	

City of Stamford

CAROLINE SIMMONS, MAYOR OFFICE OF THE MAYOR STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD 10TH FLOOR STAMFORD, CT 06901	PLANNING BOARD STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD 7TH FLOOR STAMFORD, CT 06901
ROBERT CLAUSI, EXECUTIVE DIRECTOR ENVIRONMENTAL PROTECTION BOARD STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD 7TH FLOOR STAMFORD, CT 06901	LYDA RUIJTER, CITY & TOWN CLERK TOWN CLERK'S OFFICE STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD GROUND FLOOR STAMFORD, CT 06901

ZONING BOARD STAMFORD GOVERNMENT CENTER 888 WASHINGTON BOULEVARD 7TH FLOOR STAMFORD, CT 06901	RALPH BLESSING, LAND USE BUREAU CHIEF 888 WASHINGTON BOULEVARD 7TH FLOOR STAMFORD, CT 06901

Town of Greenwich

FRED CAMILLO, FIRST SELECTMAN 101 FIELD POINT ROAD FIRST FLOOR GREENWICH, CT 06830	PLANNING AND ZONING COMMISSION TOWN HALL 101 FIELD POINT ROAD 2ND FLOOR GREENWICH, CT 06830
PATRICIA SESTO, DIRECTOR ENVIRONMENTAL AFFAIRS TOWN HALL 101 FIELD POINT ROAD 2ND FLOOR GREENWICH, CT 06830	JACQUELINE A. BUDKINS, TOWN CLERK TOWN HALL 101 FIELD POINT ROAD FIRST FLOOR GREENWICH, CT 06830
KATIE DELUCA, AICP, DIRECTOR OF PLANNING AND ZONING TOWN HALL 101 FIELD POINT ROAD 2ND FLOOR GREENWICH, CT 06830	

NOTICE

Notice is hereby given, pursuant to Section 16-50j-40(a) of the Regulations of Connecticut State Agencies of a Petition being filed with the Connecticut Siting Council ("Siting Council") on or after October 3, 2022 by New Cingular Wireless PCS, LLC ("AT&T"). AT&T seeks a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new "small cell" wireless telecommunications facility on a new pole within the public right-of-way.

The proposed telecommunications facility will be installed in the public right-of-way located adjacent to 40 Amelia Place, Stamford, Connecticut, and identified on the Town's Tax Map as MBLU 000-3771. AT&T proposes to install an approximately 45'-tall Class 2 utility pole. The proposed pole will stand approximately 38'6"-tall above grade level ("AGL"). AT&T proposes to mount two small cell antennas to the top of the new utility pole at a centerline height of 38'0" AGL with a total height of 39'0" AGL to the top of the antennas and mount. A new equipment cabinet is proposed on the side of the pole.

The Petition will provide additional details of the proposal and explain why AT&T submits that this proposed small cell facility presents no significant adverse environmental effects. The location, height, and other features of the proposal are subject to review and potential change under the provisions of Connecticut General Statutes Sections 16-50g *et. seq*.

Copies of the Petition will be available for review during normal business hours on or after October 3, 2022, at the following:

Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051	Lyda Ruijter, City and Town Clerk Town Clerk's Ofifice 888 Washington Boulevard – Ground Floor Stamford, CT 06901

or the offices of the undersigned. A copy of the Petition will also be available on the Connecticut Siting Council website: https://www.ct.gov/cSc/site/default.asp under Pending Matters. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Lucia Chiocchio, Esq.
Daniel Patrick, Esq.
Cuddy & Feder LLP
445 Hamilton Ave, 14th Floor
White Plains, New York 10601
(914) 761-1300
Attorneys for the Petitioner

CERTIFICATION OF SERVICE

I hereby certify that on September 30, 2022 a copy of the following letter and notice of the intended filing of a Petition with the Connecticut Siting Council for a declaratory ruling was sent by certified mail, return receipt requested, to the attached list of abutting property owners:

Dated: 9/30/2022

Cuddy & Feder LLP
45 Hamilton Avenue, 14th Floor
White Plains, New York 10601
Attorneys for:
New Cingular Wireless PCS, LLC (AT&T)

DAVIS L. MARIE 67 BONNER STREET STAMFORD, CT 06902	DAVIS L. MARIE P O BOX 913 STAMFORD, CT 06904-0913
KEENA HUNTER 40 AMELIA PLACE STAMFORD, CT 06902-6627	CITY OF STAMFORD AND PUMPING STATION 80 BONNER STREET STAMFORD, CT 06902
CITY OF STAMFORD AND PUMPING STATION 888 WASHINGTON BLVD STAMFORD, CT 06901-2930	CONNECTICUT LIGHT & POWER CO 9 AMELIA PLACE STAMFORD, CT 06902
CONNECTICUT LIGHT & POWER CO P O BOX 270 HARTFORD, CT 06141-0270	ADJ ATLANTIC LLC ET AL 60 BONNER STREET STAMFORD, CT 06902-6610
MERLIN A. AGUIRRE ET AL (2/3) MERLIN AGUIRRE (1/3) 59 BONNER STREET STAMFORD, CT 06902-6609	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION P.O. BOX 317546 NEWINGTON, CT 06131

March_____, 2022

VIA CERTIFIED MAIL/
RETURN RECEIPT REQUESTED

Re: New Cingular Wireless PCS, LLC ("AT&T")
Installation of A Small Cell Wireless Telecommunication Facility
Davis Avenue, Greenwich, Connecticut

Dear Sir or Madam:

We are writing to you on behalf of our client New Cingular Wireless PCS, LLC ("AT&T") with respect to the above referenced matter and our client's intent to file a petition for a declaratory ruling with the State of Connecticut Siting Council for approval of installation of a small cell wireless telecommunication facility on a new pole (the "Facility") to be installed in the public right-of-way near the above-captioned property.

State law requires that record owners of property abutting a parcel on which a facility is proposed be sent notice of an applicant's intent to file a petition with the Siting Council.

Included with this letter please find a Notice of this submission and details of the proposal. The location, height and other features of the Facility are subject to review and potential change by the Connecticut Siting Council under the provisions of Connecticut General Statutes §16-50g *et seq*.

If you have any questions concerning this petition, please contact the Connecticut Siting Council or the undersigned after March 24, 2021 which is the date that the petition is expected to be on file.

Very truly yours,

Daniel Patrick
Enclosure

cc: Lucia Chiocchio, Esq., Cuddy & Feder LLP

NOTICE

Notice is hereby given, pursuant to Section 16-50j-40(a) of the Regulations of Connecticut State Agencies of a Petition being filed with the Connecticut Siting Council ("Siting Council") on or after October 3, 2022 by New Cingular Wireless PCS, LLC ("AT&T"). AT&T seeks a declaratory ruling that no Certificate of Environmental Compatibility and Public Need ("Certificate") is required under Section 16-50k(a) of the Connecticut General Statutes ("C.G.S.") to install a new "small cell" wireless telecommunications facility on a new pole within the public right-of-way.

The proposed telecommunications facility will be installed in the public right-of-way located adjacent to 40 Amelia Place, Stamford, Connecticut, and identified on the Town's Tax Map as MBLU 000-3771. AT&T proposes to install an approximately 45'-tall Class 2 utility pole. The proposed pole will stand approximately 38'6"-tall above grade level ("AGL"). AT&T proposes to mount two small cell antennas to the top of the new utility pole at a centerline height of 38'0" AGL with a total height of 39'0" AGL to the top of the antennas and mount. A new equipment cabinet is proposed on the side of the pole.

The Petition will provide additional details of the proposal and explain why AT&T submits that this proposed small cell facility presents no significant adverse environmental effects. The location, height, and other features of the proposal are subject to review and potential change under the provisions of Connecticut General Statutes Sections 16-50g *et. seq*.

Copies of the Petition will be available for review during normal business hours on or after October 3, 2022, at the following:

Connecticut Siting Council 10 Franklin Square New Britain, Connecticut 06051	Lyda Ruijter, City and Town Clerk Town Clerk's Ofifice 888 Washington Boulevard – Ground Floor Stamford, CT 06901

or the offices of the undersigned. A copy of the Petition will also be available on the Connecticut Siting Council website: https://www.ct.gov/cSc/site/default.asp under Pending Matters. All inquiries should be addressed to the Connecticut Siting Council or to the undersigned.

Lucia Chiocchio, Esq.
Daniel Patrick, Esq.
Cuddy & Feder LLP
445 Hamilton Ave, 14th Floor
White Plains, New York 10601
(914) 761-1300
Attorneys for the Petitioner

Abutter's Map

ABUTTERS LIST

Parcel ID	Site Address	Owner Name	Mailing Address	City	State	Zip
000/5228	67 Bonner Street, Stamford, CT 06902	Davis L. Marie	P O Box 913	Stamford	CT	06904-0913
000/3771	40 Amelia Place, Stamford, CT 06902	Keena Hunter	40 Amelia Place	Stamford	CT	06902-6627
002/5985	80 Bonner Street, Stamford, CT 06902	City of Stamford and Pumping Station	888 Washington Blvd.	Stamford	CT	06901-2930
000/9764	9 Amelia Place, Stamford, CT 06902	Connecticut Light & Power CO	P O BOX 270	Hartford	CT	06141-0270
001/5646	60 Bonner Street, Stamford, CT 06902	ADJ Atlantic LLC Et Al	60 Bonner Street	Stamford	CT	06902-6610
001/0776	59 Bonner Street, Stamford, CT 06902	Merlin A. Aguirre Et Al (2/3) Merlin Aguirre (1/3)	59 Bonner Street	Stamford	CT	06902-6609
		State of Connecticut Department of Transportation	P.O. Box 317546	Newington	CT	06131