



April 22, 2021

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

Re: Notice of Exempt Modification New Cingular Wireless PCS LLC ("AT&T") Site CT5103
Sound Shore Drive, Greenwich, CT 06830 (the "Property")
Latitude: 41-01-48.760 N Longitude: 73-35-43.935 W

Dear Ms. Bachman:

AT&T currently maintains (6) antennas at the 160-foot level on the existing 160' power mount within Eversource transmission tower #1279 ("Tower") located on Sound Shore Drive, Greenwich, CT. The Tower is owned by Eversource ("EVS") and the property is owned by the State of Connecticut. AT&T intends to modify its facility by replacing (9) RRUs with (2) 4478-B14, and (3) 8843 B2/B66A RRUs at the equipment location at grade. Although no tower work is proposed with this project, there will be changes to the power density because of the modifications. The changes in power density are captured in the table below. Since all modifications are to be performed at the equipment location at grade, no structural analysis is included in this filing. The height of AT&Ts existing antennas remains unchanged at 160-foot centerline.

This modification includes B2, B5, and B12 hardware that is both 4G (LTE) and 5GNR capable through remote software configuration and either or both services may be turned on or off at various times.

The AT&T facility received CT Siting Council ("Council") approval in Petition 443A on December 15, 2015. The approval contained no conditions that could feasibly be violated by this modification, including facility height or mounting restrictions. AT&Ts modification complies with the above-mentioned approval.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies ("R.C.S.A") §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A §16-50j-72(b)(2). In accordance with to R.C.S.A §16-50j-73, a copy of this letter is being sent to the Honorable Fred Camillo, First Selectman, Town of Greenwich, as elected official, Ms. Katie DeLuca, AICP, Director, Planning & Zoning, Town of Greenwich and the State of Connecticut as property owner. Eversource, the tower owner, received a copy by email.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require an extension of the site boundary.
3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The existing structure and foundation can support the proposed loading.

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

Sincerely,

Hollis M. Redding

Hollis M. Redding
SAI Communications, LLC
12 Industrial Way
Salem, NH 03079
Mobile: 860-834-6964
hredding@saigrp.com

Enclosures

Cc: Honorable Fred Camillo, First Selectman, Town of Greenwich
Ms. Katie DeLuca, AICP, Director, Planning & Zoning, Town of Greenwich
The State of Connecticut, property owner
Eversource, tower owner

Power Density

Existing Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							N/A
AT&T	1	711	160	0.0108	880	0.5867	0.18%
AT&T	2	887	160	0.0269	710	0.4733	0.57%
AT&T	1	1067	160	0.0162	880	0.5867	0.28%
AT&T	2	1854	160	0.0562	1900	1.0000	0.56%
AT&T	1	2129	160	0.0323	2300	1.0000	0.32%
Site Total							1.91%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

Proposed Loading on Tower

Carrier	# of Channels	ERP/Ch (W)	Antenna Centerline Height (ft)	Power Density (mW/cm ²)	Freq. Band (MHz ^{**})	Limit S (mW/cm ²)	%MPE
Other Carriers*							N/A
AT&T	1	1000	160	0.0152	850	0.5667	0.27%
AT&T	1	2951	160	0.0447	700	0.4667	0.96%
AT&T	1	5070	160	0.0769	2100	1.0000	0.77%
AT&T	1	1476	160	0.0224	700	0.4667	0.48%
AT&T	1	880	160	0.0133	850	0.5667	0.24%
AT&T	4	7329	160	0.4445	1900	1.0000	4.45%
AT&T	1	1285	160	0.0195	2300	1.0000	0.19%
Site Total							7.35%

*Per CSC Records (available upon request, includes calculation formulas)

** If a range of frequencies are used, such as 880-894, enter the lowest value, i.e. 880

PROJECT INFORMATION

SCOPE OF WORK: ITEMS TO BE MOUNTED ON THE EXISTING TRANSMISSION TOWER #1279:
 • NONE.

ITEMS TO BE MOUNTED AT EQUIPMENT LOCATION:
 • NEW AT&T RRUS: 8843 B2/B66A (PCS/AWS) (TYP. OF 1 PER SECTOR, TOTAL OF 3).
 • NEW AT&T RRUS: 4478 B14 (700) (TYP. OF 1 PER ALPHA & BETA SECTOR, TOTAL OF 2) (ALPHA & GAMMA SHARED).
 • EXISTING RRUS: RRUS-32 B30 (WCS) (TYP. OF 1 PER SECTOR, TOTAL OF 3) (TO BE RELOCATED FROM POS. 1 TO POS. 2).
 • NEW AT&T SURGE ARRESTOR: TSXDC-4310FM (TYP. OF 4 PER ALPHA & BETA SECTOR, TOTAL OF 8).
 • NEW AT&T SURGE ARRESTOR: TSXDC-4310FM (TYP. OF 8 PER SECTOR, TOTAL OF 24).
 • NEW AT&T DIPLEXER: QBC0007F1V51-1 (TYP. OF 4 PER SECTOR, TOTAL OF 12).

ITEMS TO BE REMOVED:
 • EXISTING AT&T RRUS: RRUS-12 B2 (PCS) (TYP. OF 2 PER SECTOR, TOTAL OF 6).
 • EXISTING AT&T RRUS: RRUS-32 B66A (AWS) (TYP. OF 1 PER SECTOR, TOTAL OF 3).

ITEMS TO REMAIN:
 • (6) ANTENNAS, (11)(G) RRU'S, (12) TMA'S, (42)(G) SURGE ARRESTOR, (24)(G) DIPLEXER, (24) COAX CABLES.

SITE ADDRESS: 0 SOUND SHORE DRIVE
 GREENWICH, CT 06830

LATITUDE: 41.030211° N, 41° 01' 48.75" N
 LONGITUDE: 73.595538° W, 73° 35' 43.93" W
 TYPE OF SITE: TRANSMISSION TOWER #1279 / OUTDOOR
 STRUCTURE HEIGHT: 160'-0"±
 RAD CENTER: 160'-0"±
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT5103

SITE NAME: GREENWICH COS COB

FA CODE: 14958771

PACE ID: MRCTB050062, MRCTB050068, MRCTB050063

PROJECT: LTE 7C_5G NR_4TXRX ANTENNA RETROFIT 2021 UPGRADE

DRAWING INDEX

SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	0
GN-1	GENERAL NOTES	0
A-1	COMPOUND & EQUIPMENT PLANS	0
A-2	DETAILS	0
G-1	GROUNDING DETAILS	0
RF-1	RF PLUMBING DIAGRAM	0

VICINITY MAP

DIRECTIONS TO SITE:

MERGE ONTO I-91 S. FOLLOW I-91 S, CT-15 S AND I-95 S TO INDIAN FIELD RD IN GREENWICH. TAKE EXIT 4 FROM I-95 S. MERGE ONTO I-91 S. KEEP RIGHT TO STAY ON I-91 S. TAKE EXIT 17 TO MERGE ONTO CT-15 S. KEEP RIGHT TO STAY ON CT-15 S, FOLLOW SIGNS FOR W CROSS PKWY TAKE EXIT 52 FOR STATE ROUTE 108 S/STATE ROUTE 8 S TOWARD BRIDGEPORT. EEP LEFT, FOLLOW SIGNS FOR CT-8 S/BRIDGEPORT AND MERGE ONTO CT-8 S. KEEP LEFT TO CONTINUE ON CT-25 S/CT-8 S. KEEP LEFT TO STAY ON CT-25 S/CT-8 S. TAKE THE EXIT ONTO I-95 S TOWARD N.Y. CITY. TAKE EXIT 4 FOR INDIAN FIELD ROAD TOWARD COS COB. TAKE SOUND SHORE DR TO YOUR DESTINATION. TURN RIGHT ONTO INDIAN FIELD RD. TURN RIGHT ONTO SOUND SHORE DR. TURN RIGHT. 22 SOUND SHORE DR. GREENWICH CONNECTICUT 06830



GENERAL NOTES

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

72 HOURS



CALL BEFORE YOU DIG



CALL TOLL FREE 1-800-922-4455

OR CALL 811

UNDERGROUND SERVICE ALERT

HGD HUDSON Design Group LLC
 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
 TEL: (978) 557-5553 FAX: (978) 336-5586

SAI
 12 INDUSTRIAL WAY SALEM, NH 03079

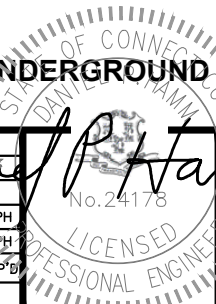
**SITE NUMBER: CT5103
 SITE NAME: GREENWICH COS COB**

0 SOUND SHORE DRIVE
 GREENWICH, CT 06830
 FAIRFIELD COUNTY

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

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	04/05/21	ISSUED FOR REVIEW	GA	HC	DPH
A	03/22/21	ISSUED FOR REVIEW	GA	HC	DPH

SCALE: AS SHOWN DESIGNED BY: HC DRAWN BY: GA



AT&T	
TITLE SHEET	
LTE 7C_5G NR_4TXRX ANTENNA RETROFIT 2021 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CT5103	T-1
REV	
0	

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81 STANDARDS) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS AND #2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR – SAI
 SUBCONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER – AT&T MOBILITY
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCH UP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T SITES."
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
20. **APPLICABLE BUILDING CODES:**
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

**BUILDING CODE: IBC 2015 WITH 2018 CT STATE BUILDING CODE AMENDMENTS
 ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE (NFPA 70-2017)**

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

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

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

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

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

ABBREVIATIONS

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

HGD HUDSON Design Group LLC
 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845
 TEL: (978) 557-5553 FAX: (978) 336-5586

SAI
 12 INDUSTRIAL WAY SALEM, NH 03079

**SITE NUMBER: CT5103
 SITE NAME: GREENWICH COS COB**

0 SOUND SHORE DRIVE GREENWICH, CT 06830 FAIRFIELD COUNTY

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

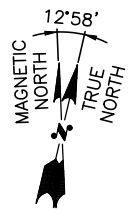
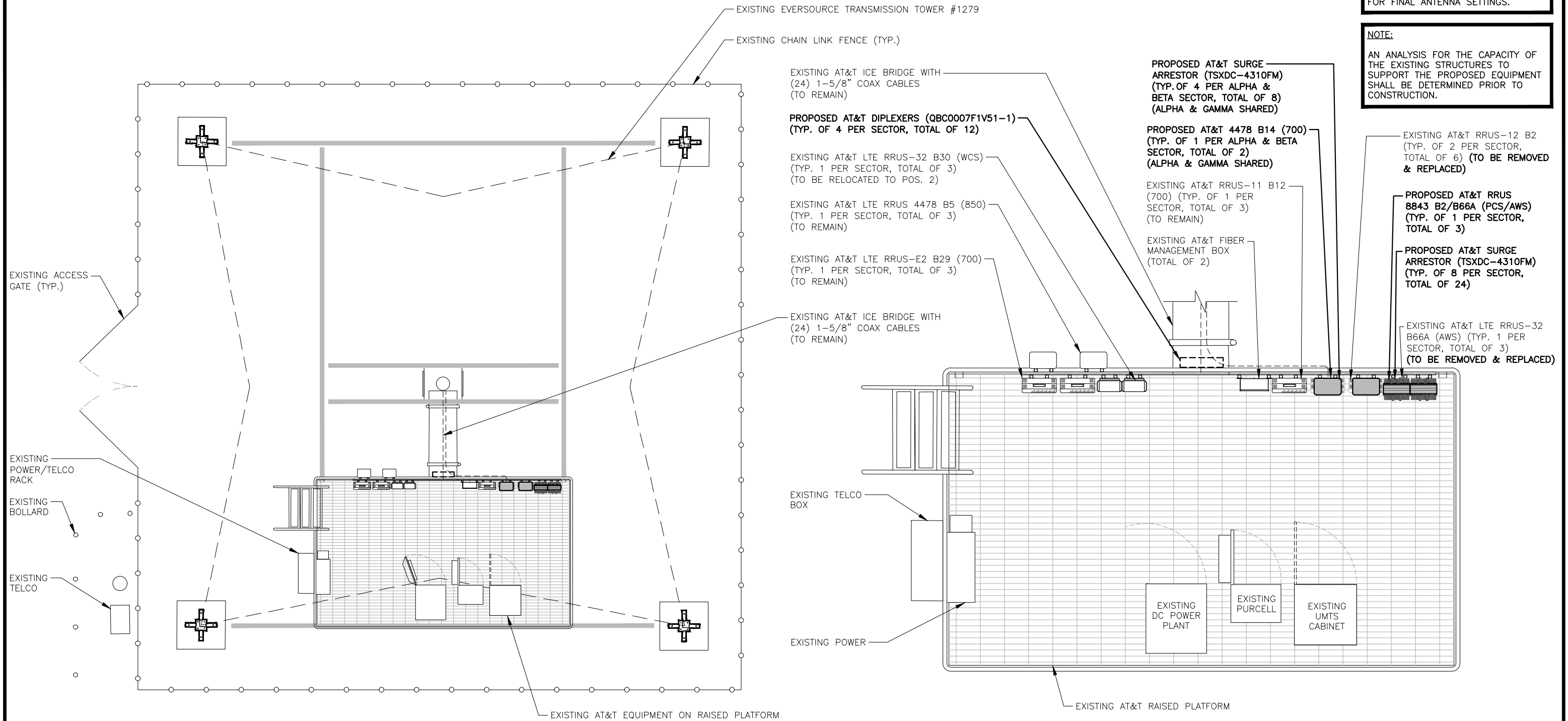
AT&T
 GENERAL NOTES
 LIE 7C_5G NR_4TXRX ANTENNA RETROFIT 2021 UPGRADE
 SITE NUMBER: CT5103 DRAWING NUMBER: GN-1 REV: 0

0 04/05/21 ISSUED FOR REVIEW GA HC DPH
 A 03/22/21 ISSUED FOR REVIEW GA HC DPH
 NO. DATE REVISIONS BY CHK APP'D
 SCALE: AS SHOWN DESIGNED BY: HC DRAWN BY: GA

Daniel P. Hamon
 No. 24178
 LICENSED PROFESSIONAL ENGINEER

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

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



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

1
A-1



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

2
A-1



NO.	DATE	REVISIONS	BY	CHK	APP'D
0	04/05/21	ISSUED FOR REVIEW	GA	HC	DPH
A	03/22/21	ISSUED FOR REVIEW	GA	HC	DPH

Daniel P. Hamm
No. 24178
STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

ANTENNA SCHEDULE

SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA Ø HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	EXISTING	LTE 700 B14/WCS/5G NR 850	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	30°	(2)(E) TMABPD7823VG12A (4)(E)(G) DBC2055F1V1-1	(1)(P)(G) 4478 B14 (700) (1)(E)(G) RRUS-E2 B29 (700) (1)(E)(G) 4478 B5 (850)	18.1X13.4X8.3	(4)1-5/8 COAX	
A2	EXISTING	UMTS 850/LTE 700 BC/PCS/AWS J	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	30°	(2)(E) TMABPD7823VG12A (4)(P)(G) QBC0007F2V51-1	(1)(P)(G) 8843 B2/B66A (850/700) (1)(E)(G) RRUS-11 B12 (700) (1)(E)(G) RRUS-32 B30 (WCS)	14.9X13.2X10.9	(4)1-5/8 COAX	I
A3	-	-	-	-	-	-	-	-	-	-	
A4	-	-	-	-	-	-	-	-	-	-	
B1	EXISTING	LTE 700 B14/WCS/5G NR 850	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	150°	(2)(E) TMABPD7823VG12A (4)(E)(G) DBC2055F1V1-1	(1)(P)(G) 4478 B14 (700) (1)(E)(G) RRUS-E2 B29 (700) (1)(E)(G) 4478 B5 (850)	18.1X13.4X8.3	(4)1-5/8 COAX	
B2	EXISTING	UMTS 850/LTE 700 BC/PCS/AWS J	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	150°	(2)(E) TMABPD7823VG12A (4)(P)(G) QBC0007F2V51-1	(1)(P)(G) 8843 B2/B66A (850/700) (1)(E)(G) RRUS-11 B12 (700) (1)(E)(G) RRUS-32 B30 (WCS)	14.9X13.2X10.9	(4)1-5/8 COAX	I
B3	-	-	-	-	-	-	-	-	-	-	
B4	-	-	-	-	-	-	-	-	-	-	
C1	EXISTING	LTE 700 B14/WCS/5G NR 850	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	270°	(2)(E) TMABPD7823VG12A (4)(E)(G) DBC2055F1V1-1	(1)(E)(G) RRUS-E2 B29 (700) (1)(E)(G) 4478 B5 (850)	-	(4)1-5/8 COAX	
C2	EXISTING	UMTS 850/LTE 700 BC/PCS/AWS J	OPA-65R-LCUU-H6	72X14.8X7.4	160'-0"±	270°	(2)(E) TMABPD7823VG12A (4)(P)(G) QBC0007F2V51-1	(1)(P)(G) 8843 B2/B66A (850/700) (1)(E)(G) RRUS-11 B12 (700) (1)(E)(G) RRUS-32 B30 (WCS)	14.9X13.2X10.9	(4)1-5/8 COAX	I
C3	-	-	-	-	-	-	-	-	-	-	
C4	-	-	-	-	-	-	-	-	-	-	

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

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

FINAL ANTENNA SCHEDULE

SCALE: N.T.S

1
A-2

RRU CHART		
QUANTITY	MODEL	SIZE (L x W x D)
3(P)	8843 (PCS/AWS)	14.9"x13.2"x10.9"
2(P)	4478 B14 (700)	18.1"x13.4"x8.3"
3(E)	4478 B5	16.5"x13.4"x5.9"
3(E)	RRUS-32 (WCS)	27.2"x12.1"x7.0"
3(E)	RRUS-E2 B29 (700)	20.4"x18.5"x7.5"
3(E)	RRUS-11	19.7"x17.0"x7.2"

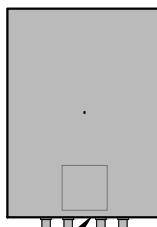
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS

NOTE:
SEE RFDS FOR RRU FREQUENCY AND MODEL NUMBER

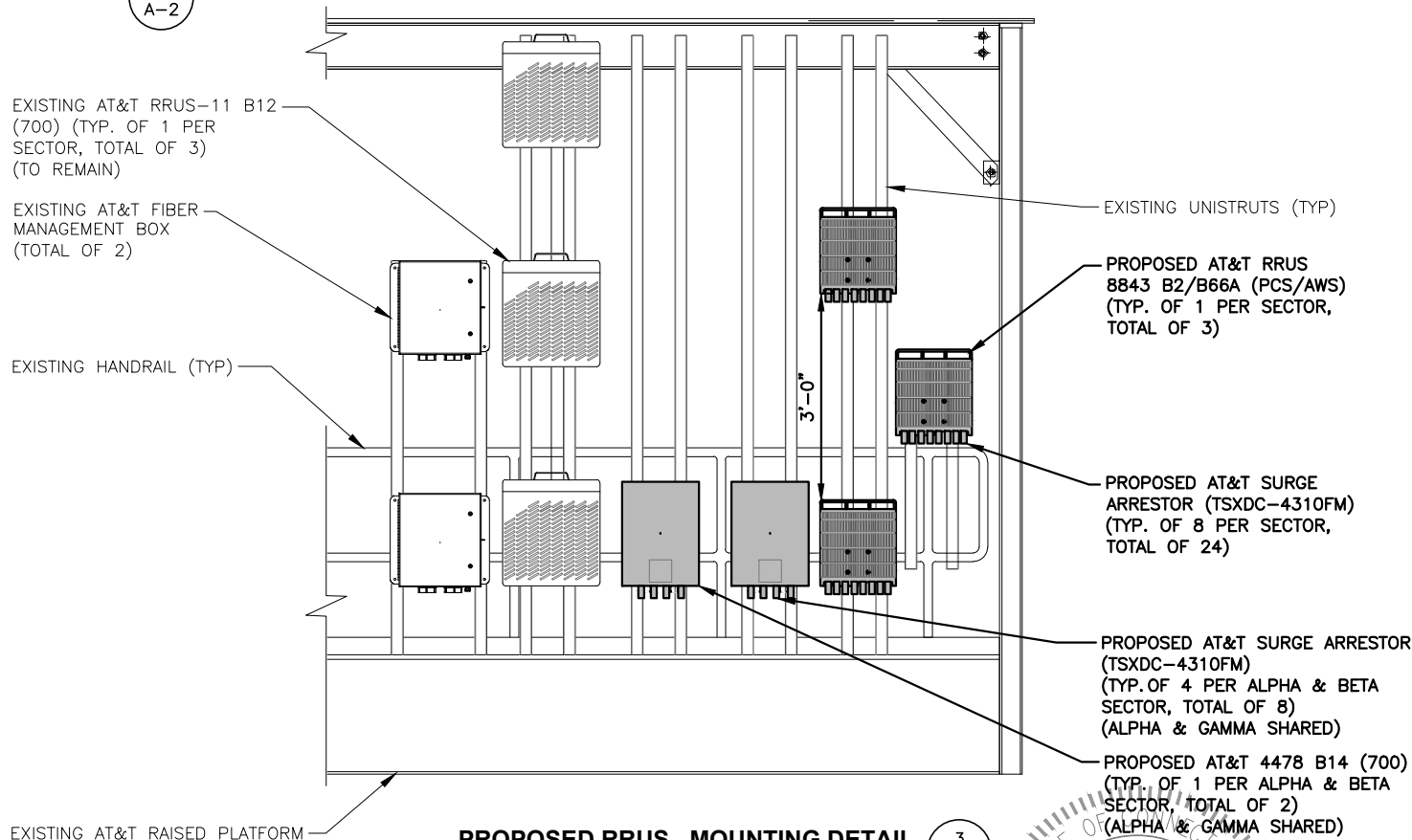
PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

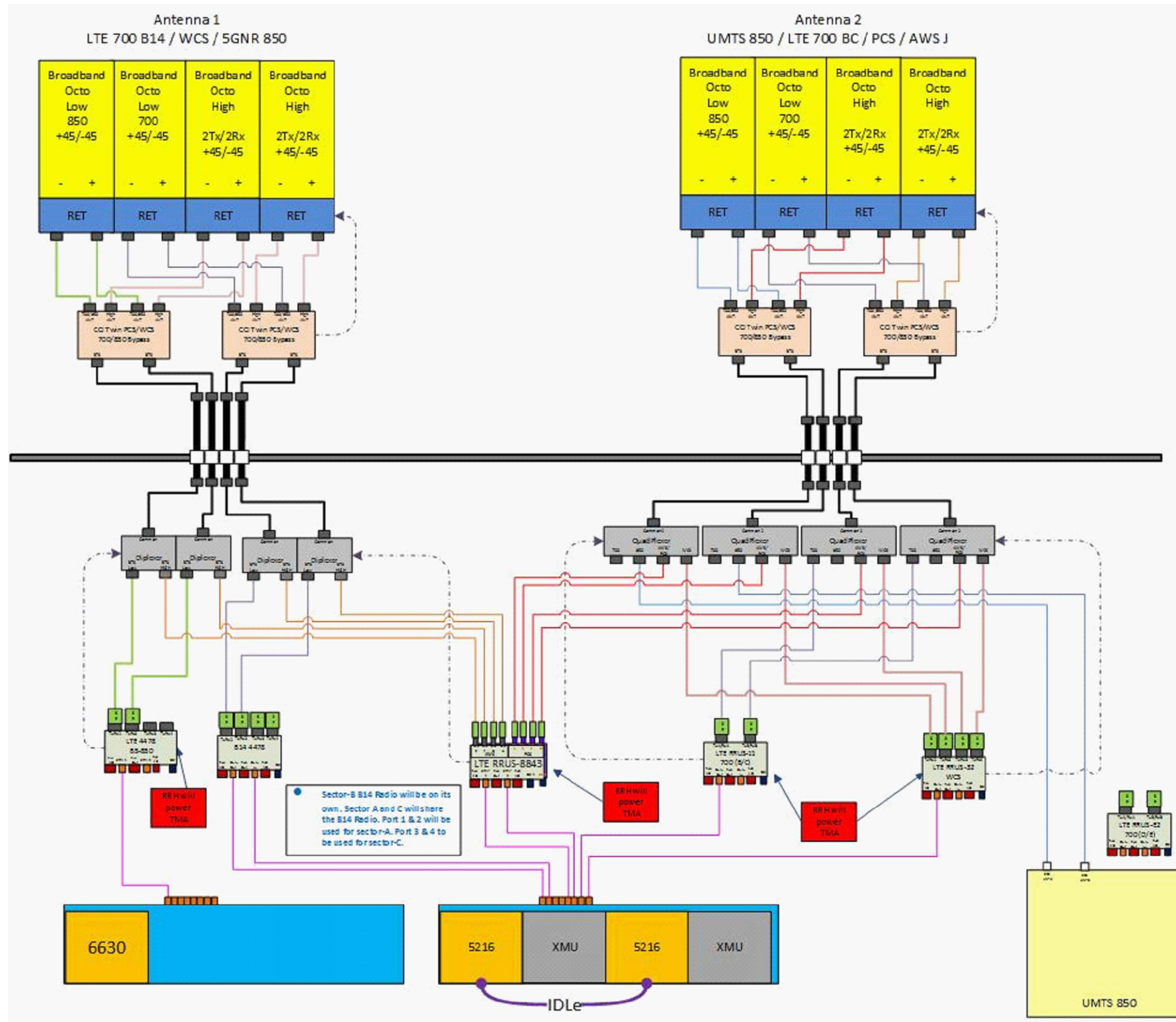
NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

PROPOSED RRUS DETAIL
SCALE: N.T.S



2
A-2





RF PLUMBING DIAGRAM 1
SCALE: N.T.S. RF-1

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

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NO.	DATE	REVISIONS	BY	CHK	APP'D
0	04/05/21	ISSUED FOR REVIEW	GA	HC	DPH
A	03/22/21	ISSUED FOR REVIEW	GA	HC	DPH
SCALE: AS SHOWN		DESIGNED BY: HC	DRAWN BY: GA		

AT&T		
RF PLUMBING DIAGRAM		
LTE 7C_5G NR_4TXRX ANTENNA RETROFIT 2021 UPGRADE		
SITE NUMBER	DRAWING NUMBER	REV
CT5103	RF-1	0



1:1920
1"=160'



3/16/2021 3:23:15 PM

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ADMINISTRATIVE INFORMATION

OWNERSHIP

Tax ID 368/036

Printed 01/12/2021 Card No. 1 of 1

PARCEL NUMBER 02-4587/S
Parent Parcel Number
Property Address SOUND SHORE DRIVE 0000
Neighborhood 113020 INDIAN HARBOR [2]
Property Class 299 Exempt Commercial

CONNECTICUT STATE OF
FINANCE DEPT TOWN OF GREENWICH
101 FIELD POINT ROAD
GREENWICH, CT 06830
LOT NO C-1B SOUND SHORE D R S7Z

TRANSFER OF OWNERSHIP

Table with columns: Date, Description, Amount. Rows include 04/18/2007 and 07/31/1989.

EXEMPT

TAXING DISTRICT INFORMATION

Jurisdiction 57 Greenwich, CT
Area 001
Corporation 057
District 02
Section & Plat 236
Routing Number 7890S0007Z

VALUATION RECORD

Table with columns: Assessment Year, Reason for Change, Valuation (Market, 70% Assessed) for years 2015-2020.

Site Description

Topography:
Public Utilities: Sewer, Electric
Street or Road:

LAND DATA AND CALCULATIONS

Table with columns: Rating, Measured Acreage, Table, Prod. Factor, Depth Factor, Base Rate, Adjusted Rate, Extended Value, Influence Factor, Value. Includes Land Type: Residential Land.

CKMP: 6548, 6560
DBA: Metro-North Electric Substation

Supplemental Cards

TRUE TAX VALUE 973800

Permit Number Type FilingDate Est. Cost Est. SqFt Field Visit

Supplemental Cards
TOTAL LAND VALUE

973800

IMPROVEMENT DATA

PHYSICAL CHARACTERISTICS

Item Description Units Cost Total Pct

01

02

03

04

(LCM: 150.00)

SPECIAL FEATURES

SUMMARY OF IMPROVEMENTS

Description	Value	ID	Use	Stry Hgt	Const Type	Grade	Year Const	Eff Year	Cond	Base Rate	Feat-ures	Adj Rate	Size or Area	Computed Value	Phys Depr	Obsol Depr	Market Adj	% Comp	Value
		01	UTLSHED	10.00	1	Avg	1900	1965	PR	44.50	N	66.75	16x 22	23500	53	0	100	100	11100
		02	UTLSHED	10.00	1	Fair	1900	1965	PR	44.50	N	30.26	18x 32	17430	53	0	100	100	8200
		03	UTLSHED	10.00	1	Avg+	1999	1999	AV	44.50	N	76.99	25x 80	153980	7	0	100	100	143200
		04	UTLSHED	10.00	1	Avg	1980	1985	AV	44.50	N	66.75	16x 20	21360	13	0	100	100	18600

Data Collector/Date

RV 02/22/2000

Appraiser/Date

TOG 10/01/2015

Neighborhood

Neigh 113020 AV

Supplemental Cards

TOTAL IMPROVEMENT VALUE

181100



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

CERTIFIED MAIL RETURN RECEIPT REQUESTED

December 15, 2015

Christopher B. Fisher, Esq.
Cuddy & Feder LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601

RE: **PETITION NO. 443A** - AT&T request to amend its declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the modification of an existing Connecticut Light and Power high-voltage electric transmission line support structure (no. 1292) located at Sound Shore Drive (Cos Cob) in Greenwich, Connecticut. Request to Amend.

Dear Attorney Fisher:

At a public meeting held on December 10, 2015, the Connecticut Siting Council (Council) considered and approved the amendment to this petition, dated November 30, 2015.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction, with the condition that AT&T and Eversource select a preferred location for the temporary facility and submit for approval by the Council's Executive Director. All work is to be implemented as specified in the petition dated January 14, 2000 and in the amended submission dated November 30, 2015.

Enclosed for your information is a copy of the staff report.

Very truly yours,

Robert Stein
Chairman

RS/CH/lm

Enclosure: Staff Report dated December 10, 2015

c: The Honorable Peter J. Tesei, First Selectman, Town of Greenwich
Katie DeLuca, Director of Planning & Zoning, Town of Greenwich



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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**Petition No. 443A – Request to Amend
New Cingular Wireless PCS, LLC/AT&T
Sound Shore Drive, Greenwich
Staff Report
December 10, 2015**

On December 1, 2015, the Connecticut Siting Council (Council) received a request to amend Petition No. 443 (Request to Amend) from New Cingular Wireless PCS, LLC (AT&T) to permanently relocate an existing power mount telecommunications facility from an existing Connecticut Light & Power Company (dba Eversource) electric transmission tower structure #1292, to an adjacent electric transmission tower #1279 within an existing Eversource right-of-way at Cos Cob Substation off of Sound Shore Drive, Greenwich.

Eversource has notified AT&T that the existing telecommunications facility must be removed by February 1, 2016. Eversource and AT&T have coordinated efforts to relocate and minimize disruption to AT&T wireless services.

AT&T proposes to install a 161-foot power mount pole within the center of a 147-foot electric transmission line lattice structure #1279. Structure #1279 is approximately 965 feet northeast of the existing telecommunications facility installed on electric transmission line structure #1292. The power mount would support six T-arm mounted antennas along with 12 tower mounted amplifiers to be mounted at a centerline height of 160 feet, with antennas at an overall height of 163 feet above ground level. An elevated steel equipment platform, measuring 20-foot long by 12-foot wide by 4-foot high, is proposed for AT&T's outdoor equipment cabinets. This platform would be located within a 50-foot by 50-foot fenced lease area at the base of the existing structure. Access to the facility would be via a 20-foot wide easement over the existing paved access drive from Sound Shore Drive, and then along a proposed 350-foot long by 12-foot wide gravel access drive to the equipment compound. The relocation facility would be constructed entirely within the limits of the existing transmission tower's footprint, and within an existing EVERSOURCE easement. No tree clearing is proposed.

Structure #1279 is in an intertidal zone and approximately 20 feet from the wetland delineated area identified as the high tide zone of Long Island Sound. All Points Technology (APT) conducted a Coastal Consistency Review and Tidal Wetlands Delineation, and has concluded that the relocation facility is consistent with Connecticut's applicable coastal management policies, and will not adversely impact tidal wetlands which are well defined by a rip-rap armored shoreline. APT's recommendation for additional soil and erosion control measures and wetlands monitoring has been incorporated into the Request to Amend. Portions of the host property are identified within the 100 year flood hazard zone (base elevation of 14 feet). AT&T's site will be situated at an elevation of 16.7 feet, 2.7 feet above the 100 year flood hazard zone, and would be elevated by the equipment platform to 6.7 feet above the 100 year flood hazard zone.

In coordination with Eversource, state agencies, and local agencies, and in order to avoid disruptions in wireless services, AT&T plans to construct the relocation site during an upcoming planned line outage scheduled for January 13-20, 2016. If it is not possible to construct during the planned outage, AT&T is also requesting consideration of a temporary tower location. AT&T is concurrently pursuing either of two temporary tower locations. Either location would involve an 85-foot tall ballast mounted tower with a removable equipment shelter in a 40-foot by 30-foot fenced compound. Only one location would be developed as a temporary tower location to minimize loss in service associated with mandatory removal of AT&T's existing facility. Temporary site "A" is located east from the end of Sound Shore Drive and south of the railroad right of way. Temporary Site "B" is located adjacent to the existing AT&T telecommunications site on structure #1292 and south of Cos Cob Substation. Both options are being presented for Council consideration.

The visual impact of the project is expected to be minimal, as the 16-foot incremental change in height would not change existing views of electric transmission line structures significantly.

The site would have a cumulative worst-case power density of 1.91 percent of the applicable limit using a -10 dB off-beam adjustment. No notice to the Federal Aviation Administration is required.

Notice was provided to all municipal, state and federal officials under C.G.S. § 16-50l, including, but not limited to, Greenwich First Selectman Peter Tesei, Planning & Zoning Commission Chairman Donald Heller, and Inland Wetlands & Watercourses Agency Chairman Brian Harris. A copy of this Request to Amend was sent to the owners of land that abuts the site property. No comments have been received to date.

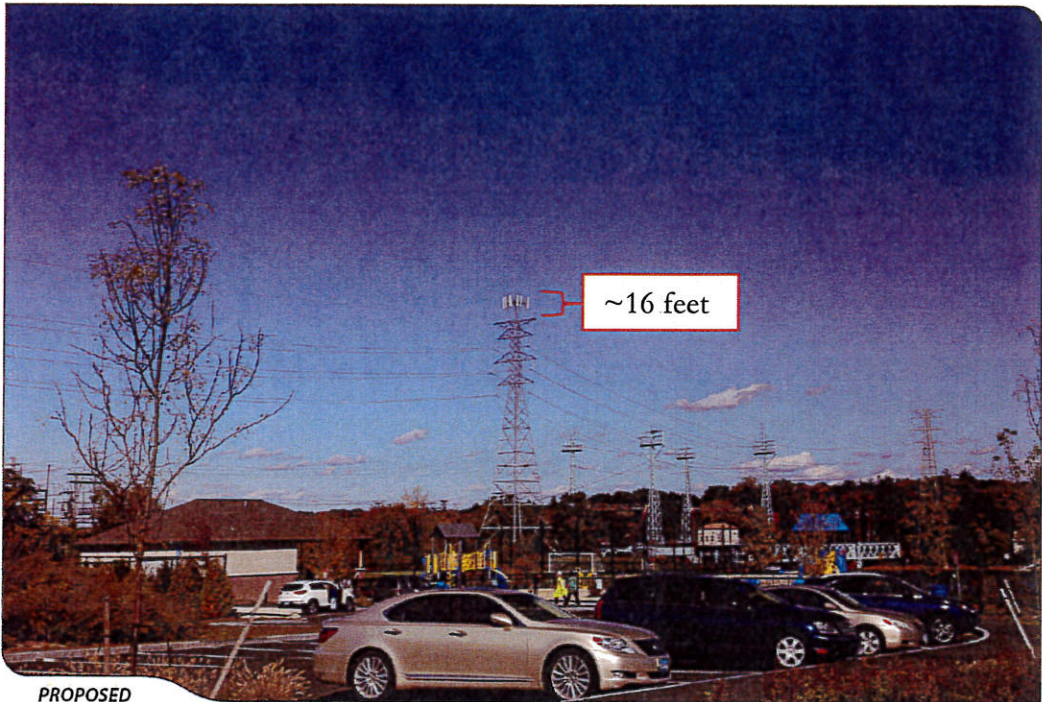
Site





EXISTING

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
2	COS COB PARK	NORTHEAST	+/- 0.16 MILE



PROPOSED

PHOTO	LOCATION	ORIENTATION	DISTANCE TO SITE
2	COS COB PARK	NORTHEAST	+/- 0.16 MILE





56 Prospect Street,
Hartford, CT 06103

P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

April 9, 2021

Mr. Tim Burks
SAI Communications
12 Industrial Way
Salem, NH 03079

RE: AT&T Antenna Site CT5103, Sound Shore Drive, Greenwich CT, Eversource Structure 1279

Dear Mr. Burks:

Based on our review of the equipment location drawings provided by HUDSON Design Group LLC, we accept the location of the proposed equipment. The work as shown is for ground construction only.

Construction activities within the Eversource system rights-of way must adhere to the clearance requirements provided in Attachment 1, "Operation of Equipment on NU Rights-of-Way" (OTRM 222).

Please contact Christopher Gelinis of Eversource Real Estate regarding leasing modifications for this site (christopher.gelinis@eversource.com), or me (richard.badon@eversource.com) with any questions.

Sincerely,

Richard Badon

Richard Badon
Transmission Line Engineering

Ref: CT5103_LTE_7C_CD_Rev0_04.05.21



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Expected Delivery Date: 04/24/21

Ref#: CT5103

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C027

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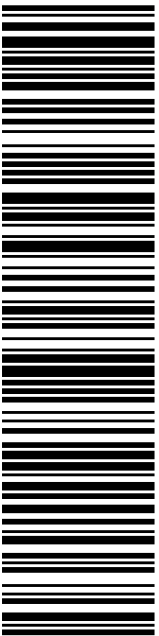
TO: HON FRED CAMILLO, 1ST SELECTMAN KATIE

TOWN OF GREENWICH

101 FIELD POINT RD

GREENWICH CT 06830-6463

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Electronic Rate Approved #038555749



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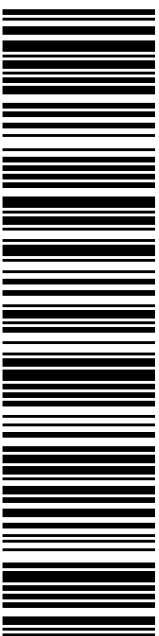
TO: STATE OF CONNECTICUT C/O FINANCE DEPT

TOWN OF GREENWICH

101 FIELD POINT RD

GREENWICH CT 06830-6463

USPS TRACKING #



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Electronic Rate Approved #038555749

Cut on dotted line.



Hollis Redding

To: Gelinas, Christopher
Subject: AT&T Wireless Exempt Modification CSC Filing CT5103 Sound Shore Drive, Greenwich, CT Eversource Structure #1279

Chris-

Attached please find an Exempt Modification which will be filed with the CT Siting Council today, April 22, 2021. Thank you. Hollis

Hollis M. Redding



SAI Communications LLC
Mobile: 860-834-6964
hredding@saigrp.com