



September 8, 2020

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

**Re:** Notice of Exempt Modifications – AT&T Site CT2381 AT&T Telecommunications Facility @ 23 Stonybrook Road Stratford, CT 06614

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC ("AT&T") currently maintains a wireless telecommunications facility on an existing +/- 120' monopole tower at the above referenced address, latitude 41.203280, longitude - 73.148630. Said monopole tower is owned and managed by American Tower Corporation.

AT&T desires to modify its existing telecommunications facility by adding (1) quad WCS filter as more particularly detailed and described on the enclosed Construction Drawings prepared by Hudson Design Group Engineering, last revised on July 30, 2020. The centerline height of the existing antennas is and will remain at 117 feet.

Please accept this letter as notification pursuant to R.C.S.A §16-50j-73 for construction that constitutes an exempt modification pursuant to R.C.S.A §16-50j-72(b)(2). In accordance with R.C.S.A §16-50j-73, a copy of this letter is being sent to the following individuals: Laura R. Hoydick Mayor of the Town of Stratford: John Rusatsky Zoning Enforcement Officer of the Town of Stratford: Chris Andreottola Account Project Manager of American Tower Corporation as Tower Owner and Stonybrook Management LLC as ground owner.

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

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

6. The existing structure and its foundation can support the proposed loading. Please see the structural evaluation dated August 12, 2020 and prepared by American Tower Corporation enclosed herewith.

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

Best Regards,

#### **Allison Hebel**

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

Enclosures: Exhibit 1 – Construction Drawings

Exhibit 2 – Property Card and GIS Exhibit 3 – Structural Analysis Exhibit 4 – Mount Analysis

Exhibit 5 – RF Emissions Analysis Report Evaluation

Exhibit 6 – Available Town of Stratford Original Tower Approval Records

Exhibit 7 – Notice Deliver Confirmations

Cc: Laura Hoydick Mayor, Town of Stratford as elected official

John Rusatsky Zoning Enforcement Officer, Town of Stratford

Chris Andreottola Account Project Manager, American Tower Corporation as Tower Owner

Stonybrook Management LLC, as ground owner

Connecticut Siting Council

Check: 21286

Date: 8/3/2020

Vendor: 0

<u>Invoice</u> 517932-003 CT5043 P.O. Num.

Invoice Amt 625.00 Prior <u>Balance</u> 625.00

Retention 0.00 Discount 0.00 Amt. Paid 625.00

625.00

625.00

0.00

0.00

625.00

**Centerline Communications LLC** 

750 W. Center Street Suite 301 W. Bridgewater, MA 02379 (781) 713-4725 ROCKLAND TRUST COMPANY MEDFIELD, MA 02052

53-447/113

DATE

AMOUNT

21286

Security features. Details on back

0

021286

8/3/2020

\*\*\*\*\*\*\*\*625.00

PAY TO THE ORDER OF Connecticut Siting Council

VOID AFTER 90 DAYS

1

AUTHORIZED SIGNATURE

#O21286# #O11304478#

29 2 200 9B 79 III

**Centerline Communications LLC** 

Connecticut Siting Council

Check: 21286

Date: 8/3/2020

Vendor: 0

0

<u>Invoice</u> 5<del>17932-</del>003 <del>CT5043</del>-

CTZ381

<u>P.O. Num.</u>

Invoice Amt 625.00

Balance 625.00

Prior

Retention 0.00 Discount 0.00 <u>Amt. Paid</u> 625.00

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# EXHIBIT 1

PROJECT INFORMATION

SCOPE OF WORK:

ITEMS TO BE MOUNTED ON THE EXISTING MONOPOLE:

• NEW AT&T QUAD WCS FILTER (TOTAL OF 1 FOR ALPHA SECTOR).

ITEMS TO BE MOUNTED AT EQUIPMENT LOCATION:

ADD IDLE

ITEMS TO REMAIN:

•(6) ANTENNAS, (9) RRU'S, (2) SURGE ARRESTOR, (4) DC POWER & (2) FIBER.

SITE ADDRESS:

23 STONYBROOK ROAD STRATFORD, CT 06614

LATITUDE:

41.203280° N, 41° 12′ 11.80″ N

LONGITUDE:

73.148630° W, 73° 08' 55.06" W

TYPE OF SITE:

MONOPOLE / INDOOR EQUIPMENT

STRUCTURE HEIGHT: 120'±

RAD CENTER: 117'±

CURRENT USE: TELECOMMUNICATIONS FACILITY

PROPOSED USE:

TELECOMMUNICATIONS FACILITY



**SITE NUMBER: CT2381** 

SITE NAME: STRATFORD STONYBROOK ROAD

FA CODE: 12906923

PACE ID: MRCTB042634

PROJECT: WCS FILTER ADD 2021 UPGRADE

	DRAWING INDEX	
SHEET NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
GN-1	GENERAL NOTES	1
C-1	ABUTTERS MAP	1
A-1	COMPOUND & EQUIPMENT PLANS	1
A-2	ANTENNA LAYOUTS & ELEVATION	1
A-3	DETAILS	1
G-1	GROUNDING DETAILS	1
RF-1	RF PLUMBING DIAGRAM	1

ATC SITE NAME: STONYBROOK RD CT ATC SITE #: 283420

## DIRECTIONS TO SITE:

TAKE I-90 WEST TOWARD WORCESTER / SPRINGFIELD TOLL ROAD 38.8 MI, 34 MIN 4. AT EXIT 9, TAKE RAMP RIGHT FOR I-84 TOWARD NEW YORK CITY / HARTFORD ENTERING CONNECTICUT 41.7 MI, 35 MIN 5. AT EXIT 57, TAKE RAMP LEFT FOR CT-15 SOUTH TOWARD N.Y. CHARTER OAK BR 1.1 MI 6. KEEP STRAIGHT ONTO US-5 S / CT-15 S 0.8 MI 7. TAKE RAMP RIGHT FOR I-91 S 17.1 MI, 15 MIN 8. AT EXIT 17, TAKE RAMP RIGHT FOR CT-15 SOUTH TOWARD E. MAIN ST / W. CROSS PKWY 30.2 MI, 30 MIN 9. AT EXIT 52, TAKE RAMP RIGHT FOR CT-108 TOWARD STRATFORD 0.9 MI 10. TURN LEFT ONTO CT-108 / NICHOLS AVE PASS MOBIL IN 0.3 MI 2.2 MI 11. TURN RIGHT ONTO LONDON TER 0.3 MI 12. TURN RIGHT ONTO BROAD BRIDGE AVE SHELL ON THE CORNER 400 FT 13. TURN LEFT ONTO STONYBROOK RD 184 FT 14. ARRIVE AT STONYBROOK RD.

VICINITY MAP



 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.

**GENERAL NOTES** 

- 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 TOLL FREE 1 - 800 - 922 - 4455

or call 811

# UNDERGROUND SERVICE ALERT



CENTERLINE COMMUNICATIONS

750 WEST CENTER STREET, SUITE #301

WEST BRIDGEWATER, MA 02379"

SITE NUMBER: CT2381
SITE NAME: STRATFORD STONYBROOK ROAD
ATC SITE #: 283420

23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY



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Α	07/30/20	ISSUED F	OR CONSTRUC	CTION			EB	AT	DPH	S
Α	06/30/20	ISSUED F	OR REVIEW				EB	AT	DPH	1
NO.	DATE		REVISIONS				BY	СНК	APP'D	1
SCA	LE: AS SH	HOWN	DESIGNED	BY:	AT	DRAWN	I BY:	EB		

1 -		
mm	AT&T	
3	TITLE SHEET (RF MODS)	
SITE NUMBER	DRAWING NUMBER	RE\
CT2381	T-1	1
	SITE NUMBER	TITLE SHEET (RF MODS) SITE NUMBER DRAWING NUMBER

#### **GROUNDING NOTES**

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

#### **GENERAL NOTES**

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

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

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

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

#### 20. APPLICABLE BUILDING CODES:

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

BUILDING CODE: IBC 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-G, 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	Р	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	REP	PEFENENCE		



FAX: (978) 336-5586

NORTH ANDOVER, MA 01845



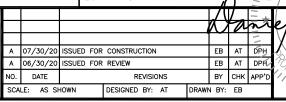
750 WEST CENTER STREET, SUITE #301

WEST BRIDGEWATER, MA 02379

SITE NUMBER: CT2381
SITE NAME: STRATFORD STONYBROOK ROAD
ATC SITE #: 283420

23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY

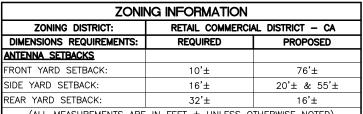




GENERAL NOTES
(RF MODS)

SITE NUMBER DRAWING NUMBER F

CT2381 GN-1



(ALL MEASUREMENTS ARE IN FEET ± UNLESS OTHERWISE NOTED)
(SETBACK TO EXISTING EQUIPMENT SHELTER UNLESS OTHERWISE NOTED)

# 30 11/02/09 30 11/02/01 MARCROFT STREET 30 11/01/08 30 11/01/07 RM-30 11/01/06 30 11/01/05 EATON 30 11/01/04 30 11/07/03 STONYBROOK ROAD BRONDRANCE 8 1 ià 30 11/10/16 30 11/10/11 30 11/10/12 30 11/10/17 30 11/10/10 30 11/10/14 RUTH STREET

#### SUBJECT PROPERTY:

MAP 30 11 / BLOCK 10 / LOT 13 N/F STONYBROOK MANAGEMENT LLC 23 STONYBROOK RD, STRATFORD, CT 06614 (A.K.A 0 RUTH ST, STRATFORD) MAILING ADDRESS: 124 KNAPP STREET

# EASTON, CT 06612 STONYBROOK ROAD:

MAP 30 11 / BLOCK 10 / LOT 16 N/F STONYBROOK MANAGEMENT LLC 23 STONYBROOK RD, STRATFORD, CT 06614 MAILING ADDRESS: 124 KNAPP STREET EASTON, CT 06612

MAP 30 11 / BLOCK 10 / LOT 14 N/F SAUNDERS GARFIELD A. & CLAUDIA N. 55 STONYBROOK RD, STRATFORD, CT 06614

MAP 30 11 / BLOCK 01 / LOT 04 N/F ELIZABETH NELSON & GARY L TAKACKS II 56 STONYBROOK RD, STRATFORD, CT 06615

MAP 30 11 / BLOCK 01 / LOT 05 N/F ROBIN M. LALOND 46 STONYBROOK RD, STRATFORD, CT 06615

MAP 30 11 / BLOCK 01 / LOT 06 N/F BARR SYMONE & BARR MARK & SV 34 STONYBROOK RD, STRATFORD, CT

MAP 30 11 / BLOCK 10 / LOT 17 N/F ALICEA GEORGE 65 STONYBROOK RD, STRATFORD, CT 06615

MAP 30 11 / BLOCK 01 / LOT 07 N/F LEOMAR MARTINEZ 22 STONYBROOK RD, STRATFORD, CT

MAP 30 11 / BLOCK 01 / LOT 08 N/F RGL FAMILY REALTY GROUP, LLC 8 STONYBROOK RD, STRATFORD, CT MAILING ADDRESS: 190 SECOND HILL LANE STRATFORD, CT 06614

#### RUTH STREET:

MAP 30 11 / BLOCK 10 / LOT 12 N/F STONYBROOK MANAGEMENT LLC 0 RUTH ST, STRATFORD, CT MAILING ADDRESS: 124 KNAPP STREET EASTON, CT 06612

MAP 30 11 / BLOCK 10 / LOT 11 N/F TOWN OF STRATFORD O RUTH ST, STRATFORD, CT MAILING ADDRESS: 2725 MAIN ST STRATFORD, CT 06614

#### MARCROFT STREET:

MAP 30 11 / BLOCK 02 / LOT 01 N/F RICHARD RAPICE & KIM MARIE RAPICE 294 MARCROFT ST, STRATFORD, CT 06615

#### BROADBRIDGE AVENUE:

MAP 30 11 / BLOCK 02 / LOT 09 N/F RONALD CASCONE 2380 BROADBRIDGE AVENUE, STRATFORD, CT 06615

MAP 30 11 / BLOCK 10 / LOT 10 N/F 2275 BROADBRIDGE AVENUE ASSOCIATES, LLC 2275 BROADBRIDGE AVENUE, STRATFORD, CT MAILING ADDRESS: 25 NUTHATCH RD TRUMBULL, CT 06611

MAP 30 11 / BLOCK 07 / LOT 03 N/F BROADBRIDGE ASSOCIATES, INC. 2332 BROADBRIDGE AVENUE, STRATFORD, CT 06614

NOTE:
MAP PREPARED BY HUDSON DESIGN GROUP, LLC
FROM TOWN OF STRATFORD, CT. ASSESSORS
DATA AND OTHER SOURCES AND DOES NOT
REPRESENT AN ACTUAL FIELD OR BOUNDARY
SURVEY.



TEL: (978) 557-5553 FAX: (978) 336-5586

45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845



750 WEST CENTER STREET, SUITE #301

WEST BRIDGEWATER, MA 02379"

SITE NUMBER: CT2381
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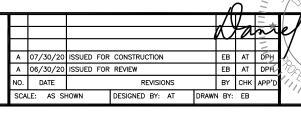
C-1,

**ABUTTERS MAP** 

22x34 SCALE: 1"=40' 11x17 SCALE: 1"=80'

> 23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY





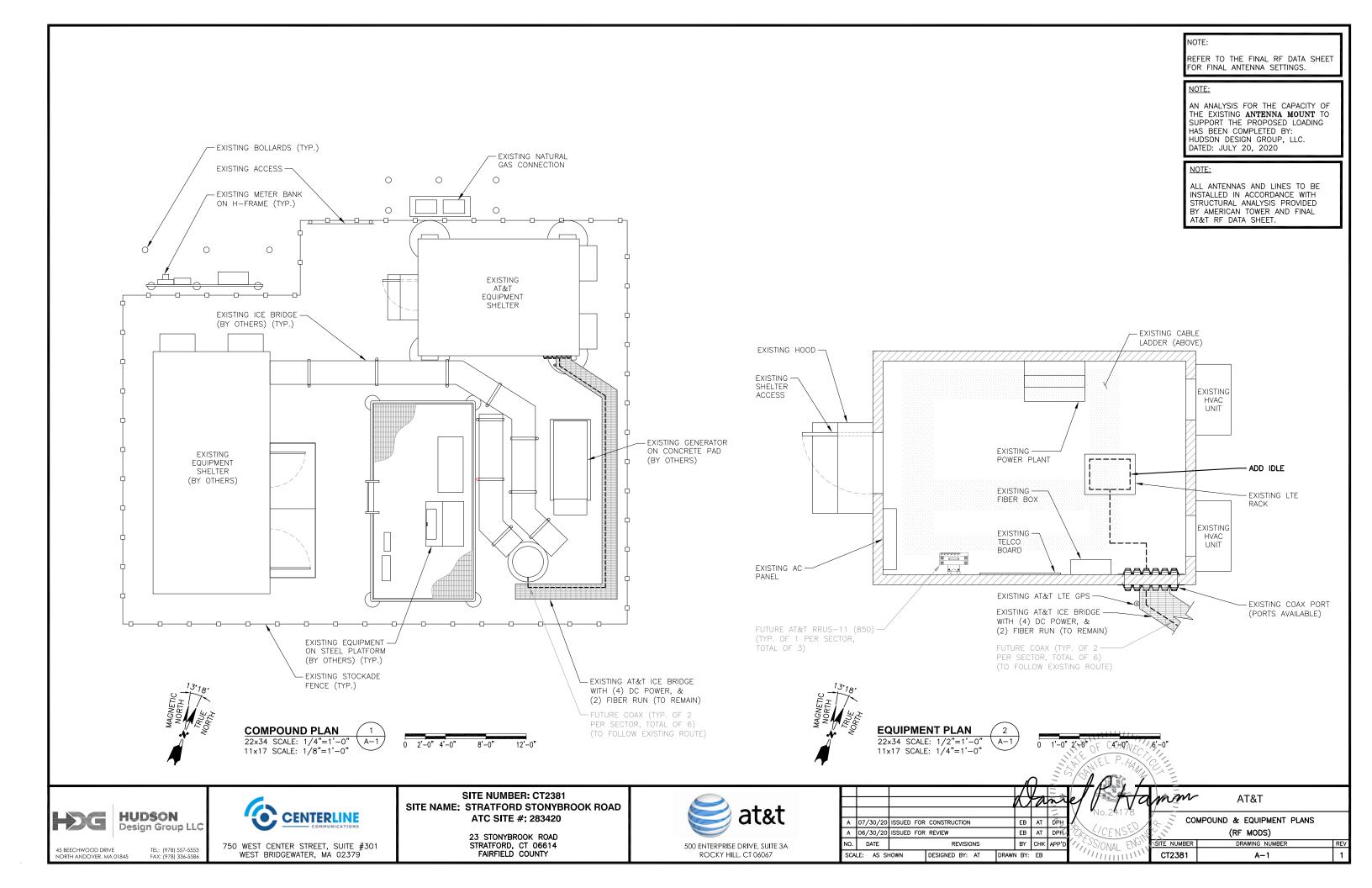
AT&T

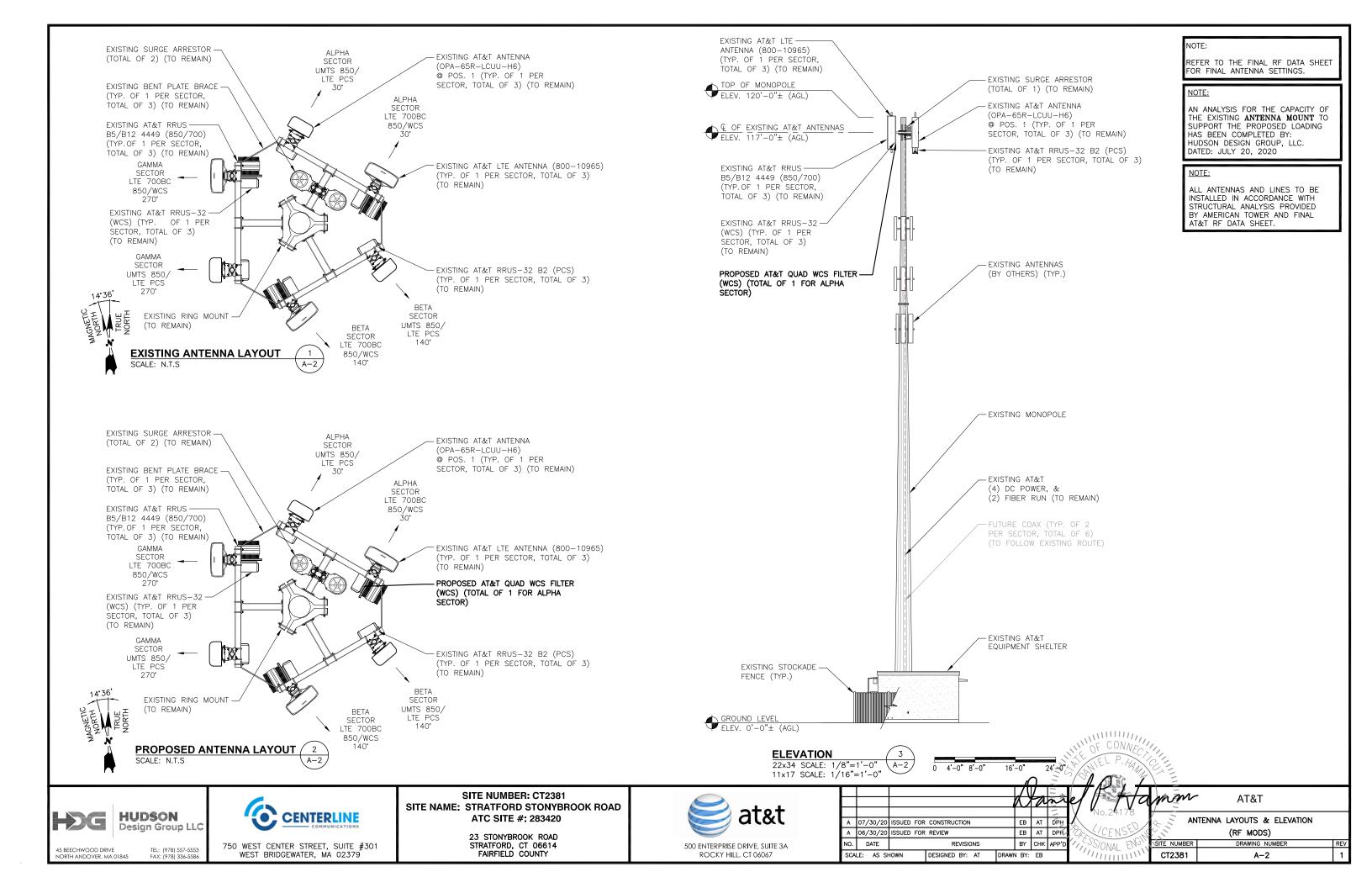
ABUTTERS MAP

(RF MODS)

SS/ONAL ENCORPORATE NUMBER | DRAWING NUMBER | REV

CT2381 | C-1 | 1



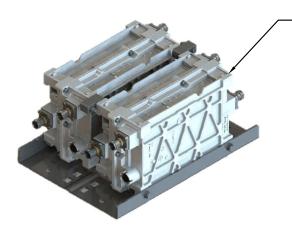


					A	ANTENNA	SCHEDU	LE			
SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L × W × D)	ANTENNA © HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE ( INCHES) (L × W × D)	FEEDER	RAYCAP
A1	EXISTING	UMTS 850/ LTE PCS	OPA-65R-LCUU-H6	72X14.8X7.4	±117'	30°	-	(F)(G)(1) RRUS-11 (850) (E)(1) RRUS-32 B2 (PCS)	- -	(F)(2) 1-5/8 COAX	4
A2							-	-	_	_	AYCAP -18-8
А3							-	-	_	-	(E) (1) RAYCAP DC6-48-60-18-8F
A4	EXISTING	LTE 700BC 850/WCS	800-10965	78.7X20X6.9	±117'	30°	-	(E)(1) 4449 B5/B12 (850/700) (E)(1) RRUS-32 (WCS) (P)(1) (WCS-IMFQ-AMT) QUAD WCS FILTER	-	(E)(2) DC (E)(1) FIBER	(E) DC6-
B1	EXISTING	UMTS 850/ LTE PCS	OPA-65R-LCUU-H6	72X14.8X7.4	±117'	140°	1	(F)(G)(1) RRUS-11 (850) (E)(1) RRUS-32 B2 (PCS)	_ _	(F)(2) 1-5/8 COAX	(E) (1) RAYCAP DC6-48-60-18-8C-EV
B2							-	-	_	-	RAYC, -18-
В3							-	-	_	-	(1) 8-60
B4	EXISTING	LTE 700BC 850/WCS	800-10965	78.7X20X6.9	±117'	140°	-	(E)(1) 4449 B5/B12 (850/700) (E)(1) RRUS-32 (WCS)	_	(E)(2) DC (E)(1) FIBER	(E)
C1	EXISTING	UMTS 850/ LTE PCS	OPA-65R-LCUU-H6	72X14.8X7.4	±117'	270°	-	(F)(G)(1) RRUS-11 (850) (E)(1) RRUS-32 B2 (PCS)	_ _	(F)(2) 1-5/8 COAX	
C2							_	-	-	_	SHARED
С3							_	-	_	-	SHA
C4	EXISTING	LTE 700BC 850/WCS	800-10965	78.7X20X6.9	±117'	270°	-	(E)(1) 4449 B5/B12 (850/700) (E)(1) RRUS-32 (WCS)	_	-	

FINAL ANTENNA SCHEDULE

SCALE: N.T.S

1
A-3



- PROPOSED AT&T QUAD WCS FILTER (WCS) (TOTAL OF 1 FOR ALPHA SECTOR)

PROPOSED QUAD WCS FILTER

SCALE: N.T.S

A-3

HUDSON
Design Group LLC

CENTERLINE
COMMUNICATIONS

TEL: (978) 557-5553 FAX: (978) 336-5586

45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 SITE NUMBER: CT2381
SITE NAME: STRATFORD STONYBROOK ROAD
ATC SITE #: 283420

23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY



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	Α	06/30/20	ISSUED FOR	REVIEW				EB	AT	DPH	,70,
	NO.	DATE		REVISIONS BY CHK APP'E						APP'D	11,
	SCA	LE: AS SI	HOWN	WN DESIGNED BY: AT DRAWN BY: EB							Í

DETAILS
(RF MODS)

ONAL ENG SITE NUMBER DRAWING NUMBER REPORT TO THE PROPERTY OF THE PROPERTY

NOTE:

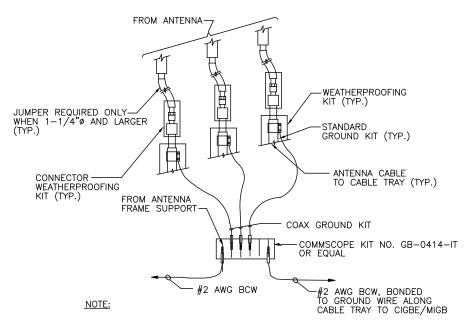
NOTE:

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

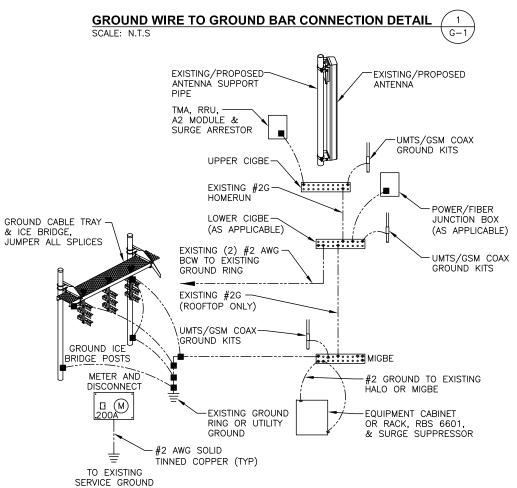
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING **ANTENNA MOUNT** TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: JULY 20, 2020

ALL ANTENNAS AND LINES TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS PROVIDED BY AMERICAN TOWER AND FINAL AT&T RF DATA SHEET.

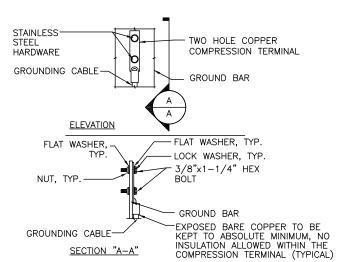
750 WEST CENTER STREET, SUITE #301 WEST BRIDGEWATER, MA 02379



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







#### NOTES:

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

#### TYPICAL GROUND BAR CONNECTION DETAIL SCALE: N.T.S



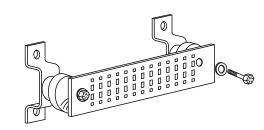
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

#### SECTION "P" - SURGE PRODUCERS

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

### SECTION "A" - SURGE ABSORBERS

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





SCALE: N.T.S



TEL: (978) 557-5553 FAX: (978) 336-5586

45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845



750 WEST CENTER STREET, SUITE #301

WEST BRIDGEWATER, MA 02379"

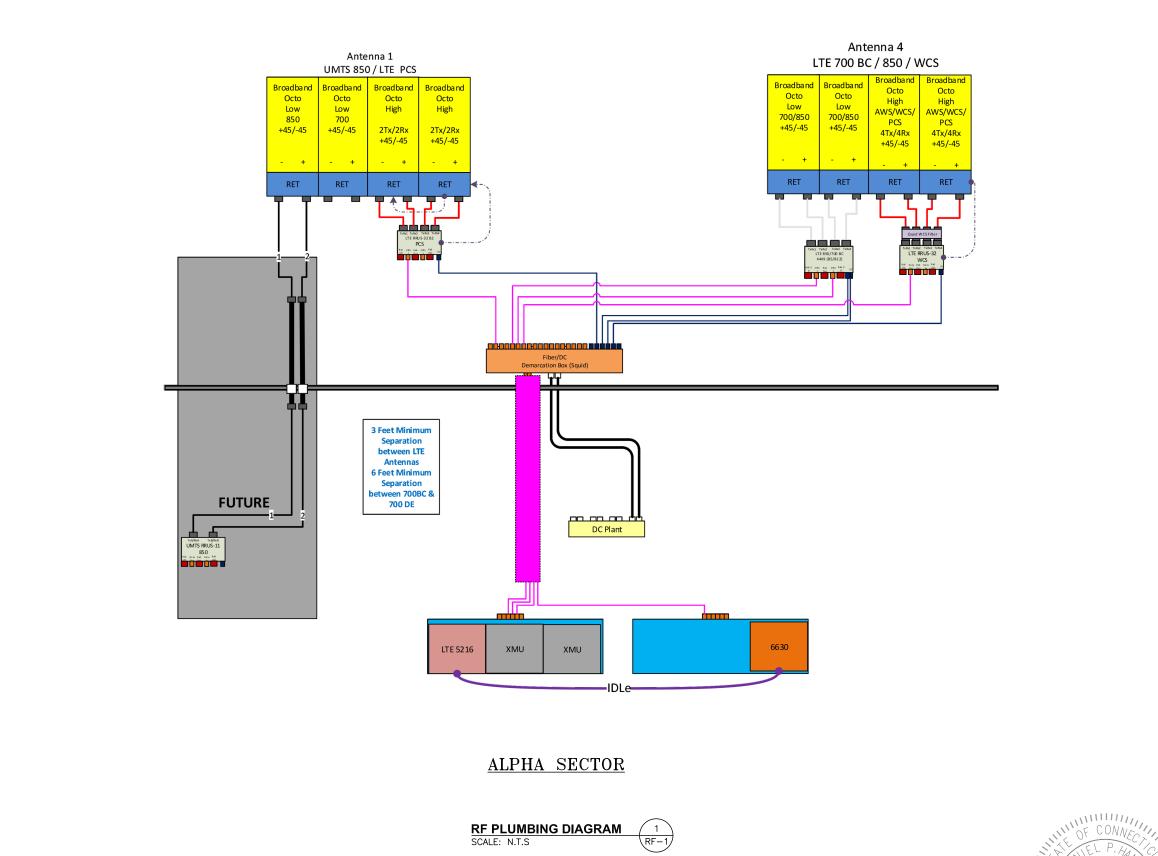
SITE NUMBER: CT2381 SITE NAME: STRATFORD STONYBROOK ROAD ATC SITE #: 283420

> 23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY



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	Α	06/30/20	ISSUED I	FOR	REVIEW			EB	AT	DPH	,70x
	NO.	DATE		REVISIONS				BY	СНК	APP'D	11,
	SCA	LE: AS SH	HOWN		DESIGNED BY:	AT	DRAWN	N BY:	EB		

mm	AT&T	
	GROUNDING DETAILS (RF MODS)	
SITE NUMBER	DRAWING NUMBER	REV
CT2381	G-1	1



RF PLUMBING DIAGRAM SCALE: N.T.S

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

NOTE:

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

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



SITE NUMBER: CT2381 SITE NAME: STRATFORD STONYBROOK ROAD ATC SITE #: 283420

23 STONYBROOK ROAD STRATFORD, CT 06614 FAIRFIELD COUNTY



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NO.	DATE			REVISIO	ONS		BY	СНК	APP'D	115
SCA	LE: AS SH	HOWN		DESIGNED BY:	AT	DRAWN	I BY:	EB		. /

AT&T RF PLUMBING DIAGRAM (RF MODS) CT2381 RF-1

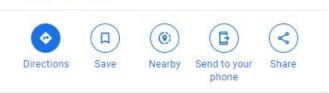
# EXHIBIT 2





# 23 Stonybrook Rd

Stratford, CT 06614



6V32+FG Stratford, Connecticut

# 23 STONYBROOK RD

Location 23 STONYBROOK RD Mblu 30/11 10/ 16/ /

Acct# 1626900 Owner STONYBROOK MANAGEMENT

LLC

PBN Assessment \$673,750

**Appraisal** \$962,500 **PID** 17088

**Building Count** 1

#### **Current Value**

	Appraisal		
Valuation Year	Improvements	Land	Total
2019	\$740,700	\$221,800	\$962,500
	Assessment		
Valuation Year	Improvements	Land	Total
2019	\$518,490	\$155,260	\$673,750

#### **Owner of Record**

Owner STONYBROOK MANAGEMENT LLC Sale Price \$900,000

Co-Owner Certificate

 Address
 124 KNAPP ST
 Book
 2604

 EASTON, CT 06612
 Page
 0275

Sale Date 03/24/2005

Instrument 00

## **Ownership History**

	Ownership History						
Owner	Sale Price	Certificate	Instrument	Sale Date	Book	Page	
STONYBROOK MANAGEMENT LLC	\$900,000		00	03/24/2005	2604	0275	
STONYBROOK CENTER INC THE	\$90,000		UNKQ	08/13/1969	0451	0378	

## **Building Information**

**Building 1 : Section 1** 

Year Built: 1969

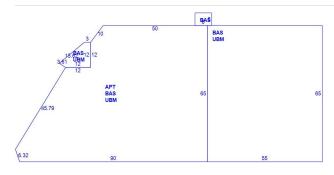
Living Area: 13,264
Building Percent Good: 65

Build	ding Attributes
Field	Description
STYLE	Retail/Apt
MODEL	Commercial
Stories:	2 Stories
Occupancy	8.00
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	Built Up
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Hot Water
АС Туре	Partial
Struct Class	
Bldg Use	Nbhd Ctr
Usrfld 215	
Usrfld 216	
Usrfld 217	
Usrfld 218	
Usrfld 219	
1st Floor Use:	323
Heat/AC	Heat/AC Split
Frame Type	Masonry
Baths/Plumbing	Average
Ceiling/Wall	Ceil & Walls
Rooms/Prtns	Average
Wall Height	9.00
% Comm Wall	



(http://images.vgsi.com/photos/StratfordCTPhotos/\00\07\19\50.jpg)

# **Building Layout**



(ParcelSketch.ashx?pid=17088&bid=17088)

Building Sub-Areas (sq ft)			<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	8,502	8,502
APT	Apartment	4,762	4,762
UBM	Unfinished Basement	8,454	0
		21,718	13,264

#### **Extra Features**

	Ex	tra Features		<u>Legend</u>
Code	Description	Size	Value	Bldg #
A/C	Air Condition	5679.60 S.F.	\$9,500	1
SPR1	Sprinklers - Wet	3000.00 S.F.	\$3,900	1

## Land Use Land Line Valuation

Use Code 323 Size (Acres) 0.46 Description Nbhd Ctr Frontage 0 Zone Depth 0 Assessed Value \$155,260 Neighborhood 1 Alt Land Appr No Appraised Value \$221,800

Category

## Outbuildings

			Outbuildings			<u>Legend</u>
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV	Paving	AS	Asphalt	16000.00 S.F.	\$13,200	1

# **Valuation History**

Appraisal				
Valuation Year	Improvements	Land	Total	
2019	\$740,700	\$221,800	\$962,500	
2018	\$726,500	\$212,800	\$939,300	
2017	\$726,500	\$212,800	\$939,300	

Assessment				
Valuation Year	Improvements	Land	Total	
2019	\$518,490	\$155,260	\$673,750	
2018	\$508,550	\$148,960	\$657,510	
2017	\$508,550	\$148,960	\$657,510	

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# EXHIBIT 3



283420	Reviewed By:
STONEYBROOK RD CT, CT	,
CT2381	
Stratford Stonybrook Road	
23 Stonybrook Road Stratford, CT 06614-3715, Fairfield County 41.2033 N / 73.1486 W	OF CONNECTION OF
120 ft Monopole	E Model
95 mph (3-second gust, V <sub>ASD</sub> )/123 mph (3-second gust, V <sub>ULT</sub> ) 50 mph (3-second gust) w/.75" radial ice concurrent ANSI/TIA-222-G / 2015 IBC / 2018 Connecticut State Building Code	32593 OCENSED WILLIAM
les below was evaluated with respect to the tower and foundation oading is added, or if actual loading is different from these tables, required. This tower and foundation <i>are adequate</i> to support the	Created By: Timothykassakatis
	Stratford Stonybrook Road  23 Stonybrook Road Stratford, CT 06614-3715, Fairfield County 41.2033 N / 73.1486 W  120 ft Monopole  95 mph (3-second gust, V <sub>ASD</sub> )/123 mph (3-second gust, V <sub>ULT</sub> ) 50 mph (3-second gust) w/.75" radial ice concurrent ANSI/TIA-222-G / 2015 IBC / 2018 Connecticut State Building Code  les below was evaluated with respect to the tower and foundation oading is added, or if actual loading is different from these tables,

# **Existing and Reserved Equipment**

Elev.1 (ft)	Qty	Antenna	Mount Type	Lines	Carrier
	6	CCI TPX-070821		(1) 0.39" (10mm)	
	2	Raycap DC6-48-60-18-8F(32.8 lbs)		Fiber Trunk	
	3	Ericsson RRUS 4449 B5, B12		(12) 1 5/8" Coax	
117.0	3	Ericsson RRUS 32 B2	Τ Δ τ τος	(3) 3/8" (0.38"-	ATOT NACDILITY
117.0	3	Ericsson RRUS-32 B30 (77 lbs)	T-Arm	9.5mm) RET	AT&T MOBILITY
	3	Amphenol Antel BXA-171063-12CF		Control Cable	
	3	CCI OPA-65R-LCUU-H6		(4) 7/8" (0.88"-	
	3	Kathrein Scala 80010965		22.2mm) Fiber	
100.0	3	Ericsson RRUS 01 B2 w/ Solar Shield		(2) 4 4 /4" /4 25"	
	3	Ericsson KRY 112 144/2	Stand-Off	(2) 1 1/4" (1.25"-	
97.0	3	Ericsson Radio 4449 B12,B71	Stallu-Oll	31.8mm) Fiber (1) 1 5/8" Hybriflex	T-MOBILE
	3	RFS APXVAARR24_43-U-NA20		(1) 1 5/6 Hybrillex	
87.0	3	Ericsson AIR32 B66Aa/B2a	Stand-Off	(12) 1 5/8" Coax	
	3	Alcatel-Lucent 9442 RRH2x40-AWS			
77.0	3	Alcatel-Lucent 9442 RRH 2x40 700U	Coator Frama	(12) 1 F /9" Cooy	VEDIZON WIDELESS
77.0	6	Amphenol Antel BXA-171063-12CF	Sector Frame	(12) 1 5/8" Coax	VERIZON WIRELESS
	6	Amphenol Antel BXA-70063-6CF-6			

# **Equipment to be Removed**

Elev.1 (ft)	Qty	Antenna	Mount Type	Lines	Carrier
		No loading was considered	as removed as part of this	analysis.	



Eng. # OAA759226\_C2\_01 August 12, 2020 Page 2 of 2

# **Proposed Equipment**

Elev.1 (ft)	Qty	Antenna	Mount Type	Lines	Carrier
117.0	1	Commscope WCS-IMFQ-AMT	T-Arm	-	AT&T MOBILITY

<sup>&</sup>lt;sup>1</sup> Contracted elevations are shown for appurtenances within contracted installation tolerances. Appurtenances outside of contract limits are shown at installed elevations.

# EXHIBIT 4



July 20, 2020





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

RE: Site Number: CT2381 (RF MODS)

FA Number: 12906923
PACE Number: MRCTB042634
PT Number: 2051A0R1SM

Site Name: STRATFORD STONYBROOK ROAD

Site Address: 23 Stonybrook Road

Stratford, CT 06614

#### To Whom It May Concern:

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

- (3) OPA-65R-LCUU-H6 Antennas (72.0"x14.8"x7.4" Wt. = 73 lbs. /each)
- (3) 800-10965 Antennas (78.7"x20.0"x6.9" Wt. = 109 lbs. /each)
- (3) RRUS-32 B2 RRH's (27.2"x12.1"x7.0" Wt. = 60 lbs. /each)
- (3) RRUS-32 RRH's (27.2"x12.1"x7.0" Wt. = 60 lbs. /each)
- (3) 4449 B5/B12 RRH's (14.9"x13.2"x10.4" Wt. = 73 lbs. /each)
- (2) Squid Surge Arrestor (24.0"x9.7" Ø Wt. = 33 lbs.)
- (1) WCS-IMFQ-AMT Filter (8.1"x5.7"x8.3" Wt. = 19 lbs.)

A survey climb and mapping of the existing AT&T antenna mounts was not performed at this site. HDG conducted a ground audit site visit on March 7, 2019. Fabrication drawings prepared by SitePro1, P/N MM02, dated March 23, 2010 were available for the existing mounts.

<sup>\*</sup>Proposed equipment shown in bold

#### Mount Analysis Methods:

- This analysis was conducted in accordance with EIA/TIA-222-H, Structural Standards for Steel Antenna Towers and Antenna Supporting Structures, the International Building Code 2015 with 2018 Connecticut State Building Code, and AT&T Mount Technical Directive R13.
- HDG considers this mount to be asymmetrical and has applied wind loads in 30 degree increments all around the mount. Per TIA-222-H and Appendix N of the Connecticut State Building Code, the max basic wind speed for this site is equal to 124 mph with a max basic wind speed with ice of 50 mph and a max ice thickness of 1.0 in. An escalated ice thickness of 1.13 in was used for this analysis.
- HDG considers this site to be exposure category B; tower is located in an urban/suburban or wooded area with numerous closely spaced obstructions.
- HDG considers this site to be topographic category 1; tower is located on flat terrain or the bottom
  of a hill or ridge.
- AT&T policy forbids walking on or suspending below T-arm mounts. This analysis does not include
  live load conditions for this mount.

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

	Component	Controlling Load Case	Stress Ratio	Pass/Fail
Existing Mount Rating	3	LC2	55%	PASS

#### **Reference Documents:**

Fabrication drawings prepared by SitePro1, P/N MM02, dated March 23, 2010.

#### This determination was based on the following limitations and assumptions:

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

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

Respectfully Submitted, Hudson Design Group LLC

Yuland a

Michael Cabral Vice President Daniel P. Hamm, PE Principal

# EXHIBIT 5



# Radio Frequency Safety Survey Report Prediction (RFSSRP)

# **AT&T Wireless Monopole Facility**

Site ID: CT2381

Site Name: Stratford Stonybrook Road

Address: 23 Stonybrook Road,

Stratford, CT 06614

Latitude: 41.203280

**Longitude:** -73.148630

<u>USID:</u> 149436 <u>FA:</u> 12906923 **Prepared for:** 

AT&T Mobility

Report Writer: Michelle Stone

<u>Date:</u> July 13, 2020

Report Reviewer: Brandon Green



# **Statement of Compliance**

AT&T will be compliant with FCC Regulations upon installation of recommended mitigation measures.



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1.1 SITE SUMMARY	3
2.0 SITE SCALE MAP	5
3.0 ANTENNA INVENTORY	6
4.0 PREDICTED EMISSION LEVELS AND DISCUSSION	8
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6.2 RECOMMENDATIONS	11
7.0 FALL ARREST AND PARAPET INFORMATION	12
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APPENDIX C: CALCULATION METHODOLOGY	16
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#### 1.0 GENERAL SUMMARY

Centerline Communications, LLC ("Centerline") has been contracted to provide a Radio Frequency (RF) Analysis for the following AT&T Mobility wireless monopole facility to determine whether the facility is in compliance with federal standards and regulations regarding RF emissions. This analysis includes theoretical emissions calculations, for all equipment for AT&T Mobility and any other wireless carriers on site.

# 1.1 SITE SUMMARY

	Analysis Site Data				
	Site USID:	149436			
	Site FA#:	12906923			
	Site Name:	Stratford Stonybrook Road			
	Site Address:	23 Stonybrook Road, Stratford CT 06614			
	Site Latitude:	41.203280			
	Site Longitude:	-73.148630			
	Facility Type:	Monopole			
	Compliance Summary				
	Compliance Status:	Compliant Upon Mitigation Installation			
Maximum Modeled AT&	Γ MPE% on Walking Surface	0.17%			
	(General Public Limit):				
Maximum Modeled A	Γ&T MPE% at Ground Level	0.17%			
	(General Public Limit):				
	Site Survey Data	a			
Is Ac	ccess Locked or Controlled?:	Unknown			
Lock or	Control Measures if Present:	Unknown			
	Parapet Height:	N/A			
	Site Data Informat	tion			
CD:	CT2381_RF MODS_CD_REVA 06.30.20				
RFDS:	NEW-ENGLAND_CONNECTICUT_CTL02381_2020-LTE-Next-				
	Carrier_WCS-Filter_rx855w_2051A0R1SM_12906923_149436_06-11-				
	2019_Final-Approved_v2				



Signage and barriers are the primary means of mitigating access to accessible areas of exposure. Below is a summary of existing and recommended signage at this AT&T facility.

Existing Signage and Barriers (AT&T Sectors)										
Location	Information	Notice	Notice 2	Caution	Caution 2	Caution 2B	Caution 2C	Warning	Warning 2	Barriers
Monopole Base	0	0	0	0	0	0	0	0	0	0

Recommended Signage and Barriers (AT&T Sectors)									
Location	Notice 2	Caution 2	Caution 2B	Caution 2C	Warning 2	Barriers			
Monopole Base	0	0	1	0	0	0			



## 2.0 SITE SCALE MAP





# 3.0 ANTENNA INVENTORY

ANT ID	Operator	Antenna Make	Antenna Model	Туре	Freq (MHz)	TPO (Watts)	# of TX	Azimuth (°)	BW (°)	Gain (dBd)	Total ERP (Watts)	Length (ft.)	Antenna Z Value (ft.) NWS*	Antenna Z Value (ft.) AGL**
1	AT&T	CCI	OPA-65R-LCUU-H6-	Panel	1900	40	4	30	61	14.86	4899.14	6.0	114.0	114.0
2	AT&T	KATHREIN	80010965	Panel	850	40	2	30	61.1	13.45	1770.48	6.6	113.7	113.7
2	AT&T	KATHREIN	80010965	Panel	850	40	2	30	61.1	13.45	1770.48	6.6	113.7	113.7
2	AT&T	KATHREIN	80010965	Panel	2300	25	4	30	59.1	15.75	3758.37	6.6	113.7	113.7
2	AT&T	KATHREIN	80010965	Panel	700	40	4	30	62	12.15	2624.94	6.6	113.7	113.7
3	AT&T	CCI	OPA-65R-LCUU-H6-	Panel	1900	40	4	140	61	14.86	4899.14	6.0	114.0	114.0
4	AT&T	KATHREIN	80010965	Panel	850	40	2	140	61.1	13.45	1770.48	6.6	113.7	113.7
4	AT&T	KATHREIN	80010965	Panel	850	40	2	140	61.1	13.45	1770.48	6.6	113.7	113.7
4	AT&T	KATHREIN	80010965	Panel	2300	25	4	140	59.1	15.75	3758.37	6.6	113.7	113.7
4	AT&T	KATHREIN	80010965	Panel	700	40	4	140	62	12.15	2624.94	6.6	113.7	113.7
5	AT&T	CCI	OPA-65R-LCUU-H6-	Panel	1900	40	4	270	61	14.86	4899.14	6.0	114.0	114.0
6	AT&T	KATHREIN	80010965	Panel	850	40	2	270	61.1	13.45	1770.48	6.6	113.7	113.7
6	AT&T	KATHREIN	80010965	Panel	850	40	2	270	61.1	13.45	1770.48	6.6	113.7	113.7
6	AT&T	KATHREIN	80010965	Panel	2300	25	4	270	59.1	15.75	3758.37	6.6	113.7	113.7
6	AT&T	KATHREIN	80010965	Panel	700	40	4	270	62	12.15	2624.94	6.6	113.7	113.7
7	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	30	61	11.52	1419.06	4.0	96.0	96.0
8	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	140	61	11.52	1419.06	4.0	96.0	96.0
9	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	270	61	11.52	1419.06	4.0	96.0	96.0
10	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	30	61	11.52	1419.06	4.0	86.0	86.0
11	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	140	61	11.52	1419.06	4.0	86.0	86.0
12	Unknown	GENERIC	PANEL 4FT	Panel	850	100	1	270	61	11.52	1419.06	4.0	86.0	86.0
13	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	30	61	11.52	851.43	4.0	76.0	76.0
14	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	30	61	11.52	851.43	4.0	76.0	76.0
15	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	140	61	11.52	851.43	4.0	76.0	76.0
16	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	140	61	11.52	851.43	4.0	76.0	76.0



1	17	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	270	61	11.52	851.43	4.0	76.0	76.0
	18	Unknown	GENERIC	PANEL 4FT	Panel	850	60	1	270	61	11.52	851.43	4.0	76.0	76.0

Table 1: Total Site Data Table (\*NWS = Nearest Walking Surface, \*\*AGL = Above Ground Level)



#### 4.0 PREDICTED EMISSION LEVELS AND DISCUSSION

All calculations performed based upon the data listed for this facility have produced results that are within allowable limits for General Population limits for exposure to RF emissions as specified by federal standards.

AT&T's RF Exposure: Responsibilities, Procedures & Guidelines document states that microwave dishes are compliant if they are mounted 20 feet or greater above any accessible walking or working surface.

Maximum Predicted MPE Level on Site:	% of MPE Limit:	Location:	
Accessible General Population MPE Limits:	0.17%	Souton A	
Accessible Occupational MPE Limits:	0.03%	Sector A	

Ground Level Assessment:	% of MPE Limit:
Ground Level <b>General Population</b> MPE Limits:	0.17%
Ground Level <b>Occupational</b> MPE Limits:	0.03%

Sector A: Transmitting over Ground Level	% of MPE Limit:	*Distance from Antenna:
Accessible General Population MPE Limits:	0.17%	0
Accessible Occupational MPE Limits:	0.03%	0

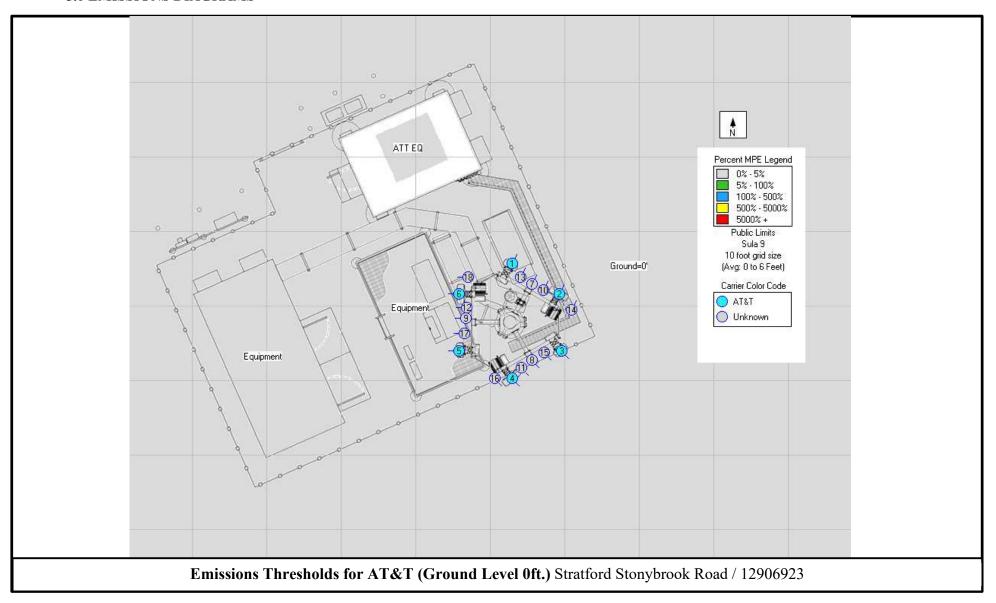
Sector B: Transmitting over Ground Level	% of MPE Limit:	*Distance from Antenna:
Accessible General Population MPE Limits:	0.17%	0
Accessible Occupational MPE Limits:	0.03%	0

Sector C: Transmitting over Ground Level	% of MPE Limit:	*Distance from Antenna:
Accessible General Population MPE Limits:	0.17%	0
Accessible Occupational MPE Limits:	0.03%	0

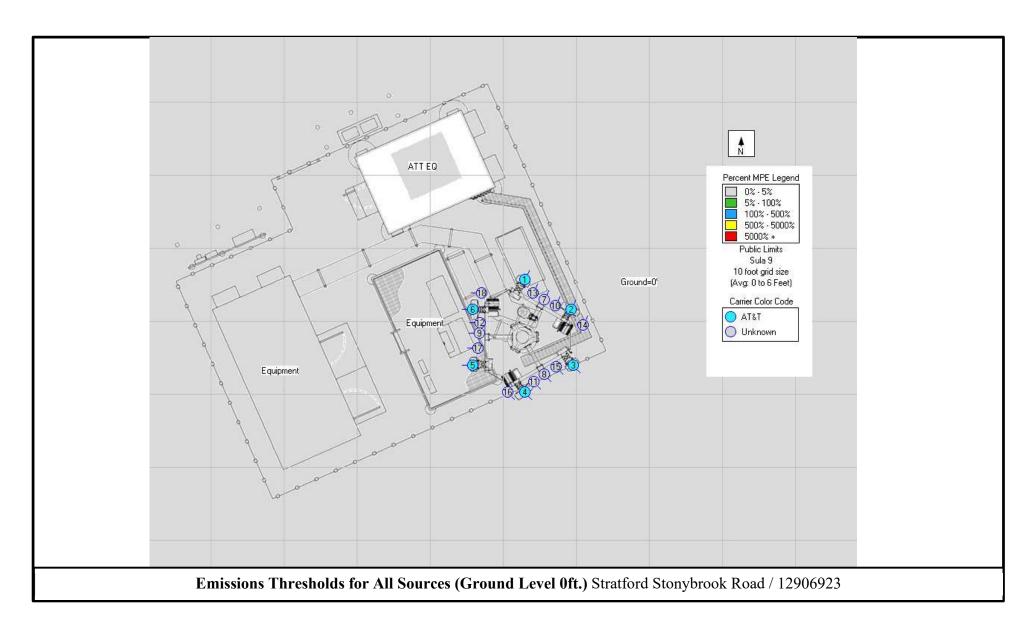
<sup>\*</sup>Distance from Antenna is the distance that the MPE limits are exceeded from the front face of the antenna, outward across an accessible area.



# **5.0 EMISSIONS DIAGRAMS**









## 6.0 STATEMENT OF COMPLIANCE

Centerline conducted worst case modeling to determine whether the monopole facility located at 23 Stonybrook Road in Stratford, Connecticut is in compliance with FCC Regulations.

## 6.1 STATEMENT OF AT&T MOBILITY COMPLIANCE

Based on the information analyzed, AT&T will be compliant with FCC Regulations once the mitigation measures recommended in this report are implemented.

## **6.2 RECOMMENDATIONS**

Recommended Signage and Barriers (AT&T Sectors)									
Location	Notice 2	Caution 2	Caution 2B	Caution 2C	Warning 2	Barriers			
Monopole Base	0	0	1	0	0	0			



#### 7.0 FALL ARREST AND PARAPET INFORMATION

As per AT&T barrier policy, rooftop edges that are protected with a 39-inch parapet wall or guardrail are safe for work activity within six (6) feet of the edge. OSHA has stated that an existing 39-inch guardrail or parapet provides sufficient protection for employees. The height of the top rail or equivalent component of guardrail systems in new construction shall be at least 42 inches above the walking or working surface. It should also be noted that the height of the parapet or guardrail may be reduced to no less than 30 inches at any point provided the sum of the depth (horizontal distance) of the top edge, and the height of the top edge (vertical distance from the work surface to the top edge of the top member, is at least 48 inches. If there is no reason for working atop the roof, then edge protection is not required. In addition, workers may use personnel lifts or temporary fall protection measures to perform work within 6 feet of the roof edge in place of permanent edge protection. Reference: 29 CFR 1910.28, 29 CFR 1910.23 (NPRM-1990); OSHA Letters of Interpretation 2/9/83 and 3/8/9



## APPENDIX A: RF SIGNAGE

# AT&T RF Signage

Sign	Description	Sign	Description
INFORMATION  Set 1 was a proportion of the control	Information 1 Sign Gives guidelines on how to proceed and who to contact regarding areas that may exceed either the FCC's General Population or Occupational emissions limits.	ACTIVE ANTENNAS ARE MOUNTED  ON THE CUTSED FACE OF THIS BUILDING  BERNING THIS STRUCTURE  ON THIS STRUCTURE  STATE ANCE ANAMONE OF FETT FROM THESE  STATE ANCE ANAMONE OF FETT FROM THESE  COSCILLATE IN ANAMONE OF STRUCTURE  THE STATE ANCE ANAMONE OF STRUCTURE  THE STATE AND ANAMONE OF STRUCTURE  THE STATE ANAMONE OF STRUCTURE  THE STATE AND ANAMONE OF S	Information 2 Sign Gives specific information on how to proceed and who to contact regarding antennas that are façade mounted, concealed or on stand-alone structures.
Beyond This Points you we enter a sar see where \$2 Ensured see you could be PCO Owners! Population Exposure Limits	Blue Notice 1 Sign Used to alert individuals that they are entering an area that may exceed the FCC's General Population emissions limit. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.	NOTICE  ASA I representations at the self- provided point consciously processed and point for the constant of	Blue Notice 2 Sign Used to alert individuals that they are entering an area that may exceed the FCC's General Population emissions limits. To be used on barriers or antenna sectors as a hybrid of the Information 1 and Blue Notice 1 signs.
Beyond This Point you are sometimes are provided to the Point of the P	Rooftop Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limit. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.	CAUTION  AUG Programment, An in it.  Beyenhelding meler groun on entragen one converged to 17 This improved Program 1 and the converged of 17 This improved Program 1 and 18 This improved Programment 1 and 18	Yellow Caution 2 Sign-Rooftop Used to alert individuals that they are entering an area that may exceed the FCC's Occupational emissions limit. To be used on barriers or antenna sectors as a hybrid of the Information 1 and Yellow Caution 1 signs.
Constitution  Constitution  Constitution  Gradient State and extension  Radion Statement, State and extension  Radion Statement, State and extension  Radion Statement Statement  Radion Stateme	Yellow Caution 1 Sign- Tower  Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limits. Must be placed at the base of the tower to warn tower climbers of potential for exposure.	AWARNING  Local Control Contro	Warning 2 Sign  Used to inform individuals that they are entering an area that may exceed the FCC's Occupational emissions limit by a factor of 10 or greater. Must be positioned such that persons approaching from any angle have ample warning to avoid the marked areas.



#### APPENDIX B: FCC GUIDELINES AND EMISSIONS THRESHOLD LIMITS

All power density values used in this report were analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ( $\mu$ W/cm<sup>2</sup>). The number of  $\mu$ W/cm<sup>2</sup> calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) - (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ( $\mu$ W/cm²). The general population exposure limit for the 700 and 800 MHz Bands is approximately 467  $\mu$ W/cm² and 567  $\mu$ W/cm² respectively, and the general population exposure limit for the 1900 MHz PCS and 2100 MHz AWS bands is 1000  $\mu$ W/cm². Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure, have been properly trained in RF safety and can exercise control over their exposure. Occupational/Controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure, have been trained in RF safety and can exercise control over his or her exposure by leaving the area or by some other appropriate means. The Occupational/Controlled exposure limits all utilized frequency bands is five (5) times the FCC's General Public / Uncontrolled exposure limit.

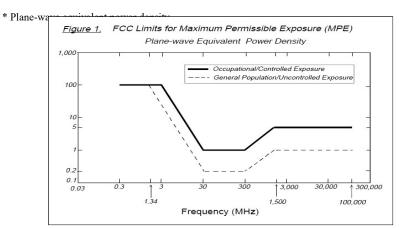
The FCC Mandates that if a site is found to be out of compliance with regard to emissions that any system operator contributing 5% or more to areas exceeding the FCC's allowable limits will be responsible for bringing the site into compliance.

Additional details can be found in FCC OET 65.



	Table 1: Limits for	r Maximum Permissible Expo	osure (MPE)	
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm²)	Averaging Time [E] <sup>2</sup> , [H] <sup>2</sup> , or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30-300	61.4	0.163	1.0	6
300-I,500			f/300	6
1,500-100,000			5	6
(B) Limits for General I	Public/Uncontrolled Exposur	e		
Frequency Range (MHz)	Electric Field Strength (E)	Magnetic Field Strength (H)	Power Density (S)	Averaging Time [E] <sup>2</sup> , [H] <sup>2</sup> , or S
	(V/m)	(A/m)	(mW/cm <sup>2</sup> )	(minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	$(180/f^2)^*$	30
30-300	27.5	0.073	0.2	30
300-I,500			f/1,500	30
1,500-100,000			1.0	30

f = Frequency in (MHz)





#### APPENDIX C: CALCULATION METHODOLOGY

Centerline Communications, LLC has performed theoretical modeling using Waterford Consultants' RoofMaster<sup>TM</sup> 2015 Version 19.12.13.19 which uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations the power decreases inversely with the square of the distance. This modeling technique is accurate with low antenna centerlines, such as rooftops, where persons can get close to the antennas and pass through fields in close proximity.

The modeling is based on worst-case assumptions for the number of antennas and transmitter power. No losses were included in the power calculations unless they were specifically provided for the project.



#### **APPENDIX D: CERTIFICATIONS**

I, Michelle Stone, preparer of this report certify that I am fully trained and aware of the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and
Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation. I have
been trained in the procedures and requirements outlined in AT&T's RF Exposure: Responsibilities,
Procedures & Guidelines document.
Michelle Stone
7/13/2020
I, Brandon Green, reviewer and approver of this report certify that I am fully trained and aware of the
Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational
Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency
Radiation. I have been trained in the procedures and requirements outlined in AT&T's RF Exposure:
Responsibilities, Procedures & Guidelines document.

Brandon Green

7/13/2020



#### APPENDIX E: PROPRIETARY STATEMENT

This report was prepared for the use of AT&T Mobility, LLC to meet requirements specified in AT&T's corporate RF safety guidelines. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by Centerline Communications, LLC are based solely on the information provided by AT&T Mobility and all observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to Centerline Communications, LLC so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

# EXHIBIT 6



## STATE OF CONNECTICUT

#### CONNECTICUT SITING COUNCIL

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

# CERTIFIED MAIL RETURN RECEIPT REQUESTED

July 10, 2014

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

RE:

**PETITION NO. 1100 -** New Cingular Wireless PCS, LLC petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the extension of an existing telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut.

Dear Attorney Fisher:

At a public meeting held on July 10, 2014, the Connecticut Siting Council (Council) considered and ruled that the above-referenced proposal would not have a substantial adverse environmental effect, and pursuant to Connecticut General Statutes § 16-50k, would not require a Certificate of Environmental Compatibility and Public Need with the following conditions:

- The tower be modified to support the proposed loading in accordance with the structural report dated May 28, 2014;
- Within 45 days following completion of the equipment installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis; and
- Any nonfunctioning antenna, and associated antenna mounting equipment that is the subject of this petition shall be removed within 60 days of the date the antenna ceased to function.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition dated April 18, 2014.

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

Very truly yours,

Robert Stein Chairman

RS/RDM/jb

Enclosure: Staff Report dated July 10, 2014

c: The Honorable John A. Harkins, Mayor, Town of Stratford Gary Lorentson, Planning & Zoning Administrator, Town of Stratford The Honorable Bill Finch, Mayor, City of Bridgeport David Kooris, Planning Director, City of Bridgeport





### 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

Petition No. 1100 New Cingular Wireless PCS, LLC 23 Stony Brook Road, Stratford, Connecticut Staff Report July 10, 2014

On April 21, 2014, the Connecticut Siting Council (Council) received a petition from New Cingular Wireless PCS, LLC (AT&T) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the extension of and collocation on an existing telecommunications tower located at 23 Stonybrook Road, Stratford, Connecticut. Council Chairman Robin Stein and staff member Robert Mercier visited the site on May 19, 2014 to review the proposal. Christopher Fisher, Esq. of Cuddy & Feder LLP and AT&T technical staff represented AT&T at the field review.

Pursuant to § 16-50j-40 of the Regulations of Connecticut State Agencies, on April 17, 2014, AT&T notified federal, state and regional entities, appropriate elected officials, the Town of Stratford and the City of Bridgeport (within 2,500 feet) of the proposed project. AT&T discussed the project with Town of Stratford officials prior to the petition filing and, according to AT&T, the Town chose not to comment. Notice was also sent to abutting property owners on April 17, 2014. No municipal officials or residents attended the field review nor were any written comments received to date.

At a Council meeting on May 29, 2014, after concern was expressed regarding notice of the project to the surrounding neighborhood, the Council voted to set the date by which to make a decision to October 18, 2014 to allow time for AT&T to install and maintain a sign on the property for 14 days describing the proposal and providing contact information for the Council. AT&T installed the sign on June 20, 2014 and no subsequent inquiries were received by the Council.

The existing 100-foot monopole was approved by the Council under Docket 385 in February 2010. The Docket 385 applicant was T-Mobile Northeast LLC (T-Mobile), which currently has antennas installed at the 97-foot and 87-foot levels of the tower. Cellco Partnership d/b/a Verizon Wireless (Verizon) is located at the 77-foot level of the tower. As a condition of the Council's approval, antennas could only be installed in an exterior flush-mount configuration.

AT&T proposes to extend the tower by 20 feet to an overall height of 120 feet and install three flush mounted antennas and associated remote radio units at both the 117-foot and 107-foot levels of the tower. A revised structural report was submitted on May 28, 2014 indicating the tower needs reinforcement to support the proposed loading. Once reinforcements are complete, the tower would be below 100 percent of allowable tower stress levels.

AT&T would install an equipment shelter and a generator within the existing 40-foot by 50-foot lease area. The existing eight-foot high compound fence would be extended to enclose the shelter and generator. The existing lease area would not be expanded. Although AT&T initially specified a diesel generator for the site, it is investigating the feasibility of using a natural gas-fired generator as a gas feeder has been recently installed to the compound.



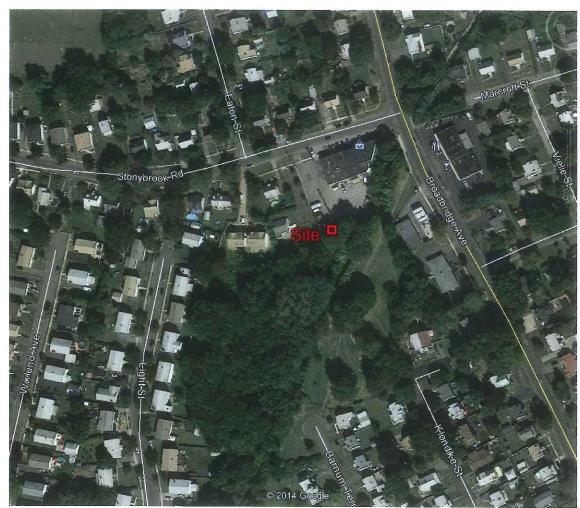
The tower site is at the rear of a small commercial plaza surrounded by high density residential development. Most of the existing tower visibility is to the adjacent neighborhood south and east of the site. With the extension, visibility would moderately increase given the abundance of mature, deciduous trees interspersed with some open lawn areas throughout the area. There would be instances in the surrounding area where additional residences would have a view of the tower above or through the tree canopy. The site would be more noticeable to the neighborhood during "leaf off" conditions.

AT&T's proposal qualifies as an eligible facility under the Middle Class Tax Relief and Job Creation Act of 2012 and Section I.C of the Nationwide Collocation Agreement which allow a telecommunications carrier to extend the height of an existing tower where the modification does not qualify as a "substantial change". In this instance, the tower would increase in height by 20 percent, which does not meet the Federal Communications Commission's definition of a "substantial change" under the Act or the Agreement.

A noise study conducted by AT&T indicates that a noise study concluded that AT&T's installation together with T-Mobile's and Verizon's installations would not create noise levels exceeding regulatory limits under non-emergency conditions.

Staff recommends approval of the petition with the following conditions:

- the tower be modified to support the proposed loading in accordance with the structural report prepared by Frederick Bost, a Professional Engineer duly licensed in the State of Connecticut, dated May 28, 2014;
- Within 45 days following completion of the equipment installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis; and,
- any nonfunctioning antenna, and associated antenna mounting equipment subject of this petition shall be removed within 60 days of the date the antenna ceased to function.



Google Earth Image of site location at 23 Stonybrook Road, Stratford.

# CERTIFICATE OF ZONING COMPLIANCE

# TOWN OF STRATFORD, CT

Requirements: Owners Signature, Copy of Plot Plan/Floor Plan

HOUSE NO. 23 LOT NO. 13 STREET Stony brook Rol.
OWNERS NAME/ADDRESS: Story brook Management LLC (Fla. Tower Parta
TYPE OF PERMIT: BUILDING (X) SIGN () OTHER ()
TYPE OF CONSTRUCTION: NEW() ADDITION () REPAIR() REMOVAL() POOL() GARAGE() SHED() OTHER () antennas feguip. shelter
TYPE OF OCCUPANCY: EXISTINGPROPOSED
Total Property size: 0.73 ac. Size of existing buildings 12'x 30's helter (V+N)
Total Wetlands Area: Size of New Addition 11.5 x 16 (shifter)
Lot Area (Minus Wetlands): P/Z / BZA Approval CSO Petition # 1100
Building area 184sf
Building Coverage: 0.9% Zone Fee 160.00
(A) Is the project located within the coastal boundary as defined by C.A.M. No.  (B) Project is exempt from Coastal Site Plan Review — YES
Zoning Enforcement Officer Date
*FOR COMMERCIAL PERMITS
I UNDERSTAND THAT THE INSTALLATION OF ANY SIGNAGE ON THE EXTERIOR OF THE BUILDING OR ON THE PROPERTY WILL NEED A SEPARATE SIGN PERMIT.
* FOR VARIANCES AND NEW RESIDENCES
INSPECTION ONCE THE FOUNDATION IS INSTALLED BEFORE PROCEEDING WITH FRAMING.

## 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

July 19, 2019

Kristen Motel, Esq. Lucia Chiocchio, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th floor White Plains, NY 10601

RE: **DOCKET NO. 385** - American Towers LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut.

Dear Attorney Motel and Attorney Chiocchio:

During a public meeting held on July 18, 2019, the Connecticut Siting Council (Council) by its Decision and Order dated July 18, 2019, modified the Decision and Order in Docket 385 rendered on February 25, 2010 for the construction, maintenance and operation of a telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut and reissued the Certificate of Environmental Compatibility and Public Need (Certificate), thereby eliminating the requirement that panel antennas on this telecommunications facility shall be installed in an exterior, flush mount configuration.

Therefore, the Council hereby approves the installation of three new standoff T-Arm antenna mounts with braces at the 117-foot level of the tower consistent with EM-CING-138-190403 -New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut, with the following conditions:

- 1. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by AT&T shall be removed within 60 days of the date the antenna ceased to function;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

Enclosed are the Council's Staff report, Modified Decision and Order, and reissued Certificate.

Sincerely,

Melanie A. Bachman Executive Director

MAB/RDM/laf

Enclosures

c: Gregory Mercier, Supervising Attorney, US Tower Division, American Tower Corporation Patricia Nowak, Site Acquisition Consultant, Centerline Communications, LLC Parties & Intervenors
State Documents Librarian
The Honorable Laura R. Hoydick, Mayor, Town of Stratford
John Rusatsky, Zoning Enforcement Officer, Town of Stratford
Jay Habansky, Planning & Zoning Administrator, Town of Stratford



## 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 Web Site: www.ct.gov/csc

#### Docket No. 385

# 23 Stonybrook Road, Stratford AT&T Request to Reopen and Modify the Decision and Order

Staff Report July 18, 2019

#### Introduction

On February 25, 2010, the Connecticut Siting Council (Council) issued a Certificate of Environmental Compatibility and Public Need (Certificate) to T-Mobile Northeast, LLC for the construction, maintenance and operation of a telecommunications facility at 23 Stonybrook Road, Stratford, Connecticut.

The Council's Docket 385 Decision and Order (D&O), Condition 1, specified that "panel antennas shall be installed in an exterior, flush mount configuration and such panel antennas shall not exceed a height of 100 feet above ground level".

The Council approved a transfer of Certificate to Florida Tower Partners on January 6, 2011. The Council approved a second transfer of Certificate from Florida Tower Partners to American Tower Corporation (ATC) on March 5, 2016.

On June 10, 2019, AT&T submitted a Request to Reopen and Modify D&O Condition No. 1 to allow for other types of antenna mounts to be used at this facility including, but not limited to, T-Arm mount systems. AT&T's request has been authorized by ATC.

#### **Background Site Information**

Development and Management Plan

On October 21, 2010, the Council approved a Development and Management (D&M) Plan for this facility, except for the utility route, which was approved by the Council on March 17, 2011. The D&M Plan included a 100-foot monopole with a white finish. T-Mobile installed three flush-mounted panel antennas at the 98-foot level of the tower and reserved space at the 88-foot level for future antenna/network expansion.

Subsequent to the D&M approval, in 2013, the Council approved a tower share request from Verizon to install flush mount antennas at the 77-foot level of the tower.

Petition No. 1100 - Tower Extension

On July 10, 2014, the Council approved a Petition submitted by AT&T for a 20-foot extension of the monopole to support three flush mounted antennas and associated remote radio units at both the 117-foot and 107-foot levels of the tower. The extension was constructed and AT&T installed antennas at the 117-foot level of the tower.

#### AT&T Exempt Modification Request

On April 1, 2019, AT&T submitted a Notice of Exempt Modification to install new T-Arm mounts at the 117-foot level of the 120-foot tower to support six antennas and associated remote radio units (RRUs). On April 5, 2019, the Council submitted correspondence to AT&T's consultant stating the filing is incomplete as it does not conform to Condition 1 of the Council's D&O for this facility that limited panel antennas to a flush mount configuration.

Specifically, AT&T proposed to replace its existing flush mount antenna configuration at the 117-foot level of the tower with a new T-Arm antenna configuration using three new 24-inch long standoff T-Arm antenna mounts with interconnecting arm braces. AT&T would install six panel antennas (3 relocated and 3 new) and install nine RRUs (3 relocated, 6 new) on the new T-Arm mounts.

A Professional Engineer duly licensed in the State of Connecticut certified that the structure is adequate to support the proposed loading.

The facility would have a cumulative worst-case power density of 25.7 percent of the applicable limit using a -10 dB off-beam adjustment.

The Notice of Exempt Modification and a copy of the Council's notice of the incomplete Exempt Modification filing was sent to the Town, property owner, and tower owner.

#### Request to Reopen and Modify

In response to the Council's April 5, 2019 correspondence regarding the incomplete Exempt Modification filing, AT&T's Request to Reopen and Modify the D&O seeks to allow the use of other antenna mounting designs, including but not limited to T-Arm mounts, to promote tower sharing and enhance existing wireless service, as detailed below:

- Restricting antenna installations on the tower to flush mounts has the potential to deter wireless
  carriers and other entities that do not use this type of antenna mounting equipment from co-locating
  on the facility;
- The flush mount antenna configuration cannot meet AT&T's current state-of-the art network coverage and capacity demands; and
- The visual effect of AT&T's proposed T-Arm antenna configuration compared to the existing flush mount configuration is not significant, as demonstrated in a visual assessment included within the Request.

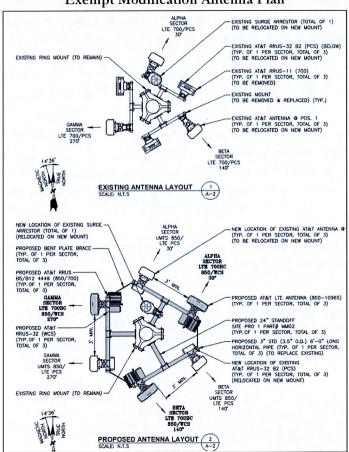
On June 7, 2019, AT&T sent notification of the Request to Reopen and Modify the D&O to the Town of Stratford (Town) and abutting property owners.

On June 10, 2019, the Council notified Parties and Intervenors of the Request to Reopen and Modify the D&O and requested that any submission of comments or statements with respect to whether the Request to Reopen and Modify the D&O should be granted or denied including any request for a hearing be submitted to the Council by close of business on July 11, 2019. The Council has not received any comment to date.

#### Site Location



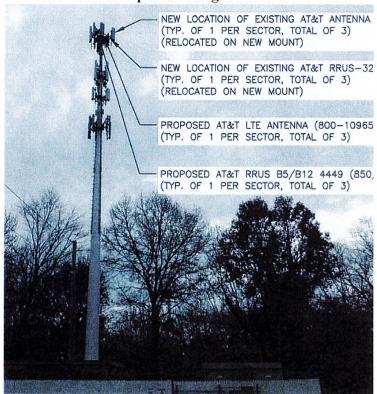
#### **Exempt Modification Antenna Plan**



Existing Configuration - AT&T at top mount location



## **Proposed Configuration**



<b>DOCKET NO. 385</b> – American Towers LLC Certificate of	}	Connecticut
Environmental Compatibility and Public Need for the construction,		
maintenance and operation of a telecommunications facility located	}	Siting
at 23 Stonybrook Road, Stratford, Connecticut.		
	}	Council
		July 18, 2019

#### **Decision and Order**

In response to the Connecticut Siting Council's (Council) reopening of the record in this docket on July 18, 2019 to consider whether changed conditions exist that would warrant a modification to the original Decision and Order's Condition 1 eliminating the requirement that panel antennas on this telecommunications facility be installed in an exterior, flush mount configuration, the Council hereby rescinds the Decision and Order in Docket 385 rendered on February 25, 2010 and issues this new Decision and Order for the construction, maintenance and operation of a telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

- 1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of T-Mobile Northeast LLC and other entities, both public and private. The height of the tower may be extended after the date of this Decision and Order pursuant to regulations of the Federal Communications Commission.
- 2. The tower compound shall be oriented in an east-west configuration along the south property line. The tower shall be located to the maximum feasible distance from the west property line.
- 3. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Stratford for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
  - a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping;
  - b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
  - c) details for the installation of architecturally-treated fencing around the compound and the installation of evergreen plantings along the west property boundary, where necessary to provide visual screening to the adjacent residences.
- 4. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

- 5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
- 6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
- 7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Stratford public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
- 8. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.
- 9. At least one wireless telecommunications carrier shall install their equipment and shall become operational not later than 120 days after the tower is erected. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.
- 10. Any request for extension of the time period referred to in Condition 8 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Stratford. Any proposed modifications to this Decision and Order shall likewise be so served.
- 11. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
- 12. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.
- 13. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

We hereby direct that a copy of the staff report and modified Decision and Order be served on each person listed in the Service List, dated March 5, 2015, and notice of issuance published in <u>The Connecticut Post.</u>

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



## 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

#### **CERTIFICATE**

**OF** 

# ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED DOCKET NO. 385

Pursuant to General Statutes § 4-181a(b), the Connecticut Siting Council hereby reissues a Certificate of Environmental Compatibility and Public Need to American Towers LLC for the construction, maintenance and operation of a telecommunications facility located at 23 Stonybrook Road, Stratford, Connecticut. This Certificate is issued in accordance with and subject to the terms and conditions set forth in the Decision and Order of the Council on July 18, 2019.

By order of the Council,

Melarie A. Bachman, Executive Director

July 18, 2019



STATE OF CONNECTICUT	)	
ss. New Britain, Connecticut	:	July 19, 2019
COUNTY OF HARTFORD	1	

I hereby certify that the foregoing is a true and correct copy of the Modified Decision and Order and reissued Certificate of Environmental Compatibility and Public Need by the Connecticut Siting Council, State of Connecticut.

#### ATTEST:

Melanie A. Bachman Executive Director Connecticut Siting Council

I certify that a copy of the Modified Decision and Order and reissued Certificate of Environmental Compatibility and Public Need in Docket No. 385 have been forwarded by Certified First Class Return Receipt Requested mail on July 19, 2019, to all parties and intervenors of record as listed on the attached service list, dated March 5, 2015.

ATTEST:

Lisa Fontaine
Fiscal Administrative Officer
Connecticut Siting Council

# LIST OF PARTIES AND INTERVENORS $\underline{SERVICE\ LIST}$

	Document	Status Holder	Representative
Status Granted	Service	(name, address & phone number)	(name, address & phone number)
Certificate Holder (as of 03/05/15)		American Towers LLC	Gregory Mercier Supervising Attorney, US Tower Division American Tower Corporation 10 Presidential Way Woburn, MA 01801 (781) 926-4500 (781) 926-4555 fax Greg.mercier@americantower.com
Applicant	⊠ E-mail	T-Mobile Northeast LLC	Julie Kohler, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604 (203) 368-0211 (203) 394-9901 jkohler@cohenandwolf.com  Monte E. Frank, Esq. Cohen and Wolf, P.C. 1115 Broad Street Bridgeport, CT 06604 (203) 368-0211 (203) 394-9901 mfrank@cohenandwolf.com

# EXHIBIT 7

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ATSTACHE, NY 13212

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8410 OSWEGO RD
LIVERPOOL, NY 13090

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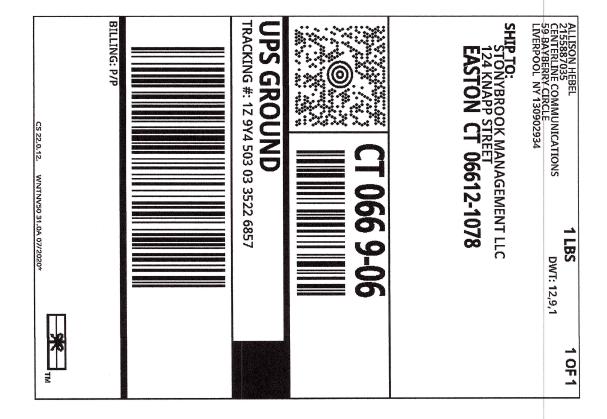
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THE UPS STORE

LIVERPOOL, NY 13090 UPS Access Point<sup>TM</sup>
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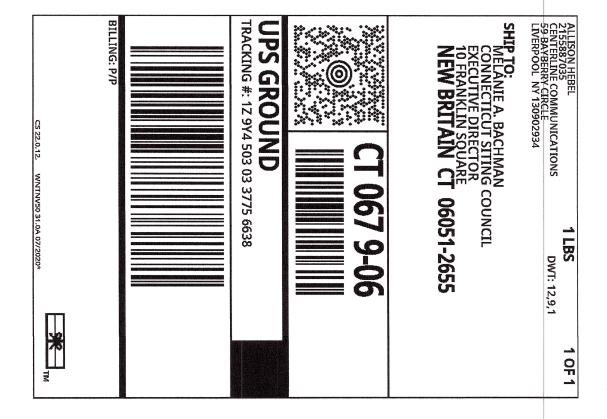
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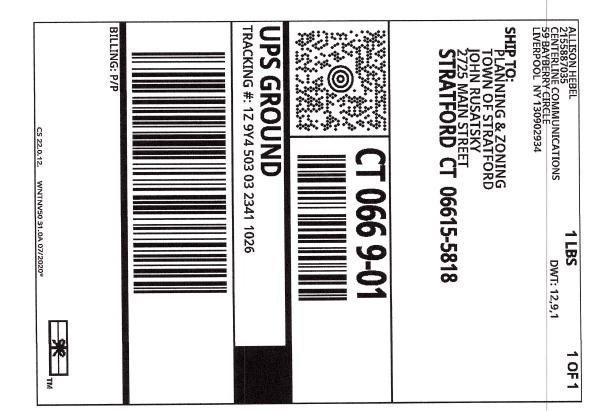
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