

June 25, 2020

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

**Re:** Notice of Exempt Modifications – AT&T Site CT2089  
AT&T Telecommunications Facility @ 515 Boston Post Road East Route1 Westport, CT

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC (“AT&T”) currently maintains a wireless telecommunications facility on an existing +/- 148’ monopole tower at the above referenced address, latitude 41.1401589, longitude - 73.3472211. Said monopole tower is owned and managed by Town of Westport.

AT&T desires to modify its existing telecommunications facility by replacing three (3) antennas, installing three (3) additional antennas, replacing six (6) remote radio units, adding one (1) surge arrestor and adding two (2) DC cables as more particularly detailed and described on the enclosed Construction Drawings prepared by Hudson Design Group Engineering, last revised on June 4, 2020. The centerline height of the existing antennas is and will remain at 120 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: Jim Marpe First Selectman of the Town of Westport as ground and tower owner as well: Mary Young Planning & Zoning Director of the Town of Westport.

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

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

6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis dated June 24, 2020 and prepared by Centerline Communications 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 Westport Original Tower Approval Records  
                  Exhibit 7 – Notice Deliver Confirmations

Cc:                Jim Marpe First Selectman, Town of Westport as elected official and ground/tower owner  
                  Mary Young P&Z Director, Town of Westport

CONNECTICUT SITING COUNCIL

Check: 20128  
Date: 6/10/2020  
Vendor: 0

<u>Invoice</u>	<u>P.O. Num.</u>	<u>Invoice Amt</u>	<u>Prior Balance</u>	<u>Retention</u>	<u>Discount</u>	<u>Amt. Paid</u>
566360-030 CT2153		625.00	625.00	0.00	0.00	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

**PAY**  
TO THE  
ORDER  
OF

THE SUM OF SIX HUNDRED TWENTY FIVE DOLLARS AND NO CENTS \*\*\*\*\*625.00

CONNECTICUT SITING COUNCIL

**VOID AFTER 90  
DAYS**



AUTHORIZED SIGNATURE

⑈020128⑈ ⑆011304478⑆ 2922009879⑈

Centerline Communications LLC

CONNECTICUT SITING COUNCIL

Check: 20128  
Date: 6/10/2020  
Vendor: 0

<u>Invoice</u>	<u>P.O. Num.</u>	<u>Invoice Amt</u>	<u>Prior Balance</u>	<u>Retention</u>	<u>Discount</u>	<u>Amt. Paid</u>
566360-030 CT2153		625.00	625.00	0.00	0.00	625.00
		=====	=====	=====	=====	=====
		625.00	625.00	0.00	0.00	625.00

Security features. Details on back



# EXHIBIT 1

**PROJECT INFORMATION**

SCOPE OF WORK: ITEMS TO BE MOUNTED ON THE EXISTING MONOPOLE:

- NEW AT&T ANTENNAS: OPA65R-BU6DA @ POS. 3 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T ANTENNAS: DMP65R-BU6DA @ POS. 4 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T RRUS: B5/B12 4449 (850/700) (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T RRUS: B5/B12 4478 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T DC ONLY SURGE ARRESTOR DC6-48-60-0-8C-EV (TOTAL OF 1) WITH (2) DC POWER.

ITEMS TO BE MOUNTED AT EQUIPMENT LOCATION:

- ADD UMTS HOMERUN.
- ADD (1) IDLe.
- ADD (1) 6630 FOR 5G

ITEMS TO BE REMOVED:

- EXISTING AT&T ANTENNAS: HPA-65R-BUU-H6 @ POS. 4 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- EXISTING AT&T RRUS: RRUS-11 B12 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- EXISTING AT&T RRUS: RRUS-12 B5 (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- EXISTING (6) COAX.
- EXISTING (9) DIPLEXERS/TRIPLEXERS.

ITEMS TO REMAIN:

- (6) ANTENNAS, (9) RRU'S, (6) TMA'S, (6) DIPLEXERS, (2) SURGE ARRESTORS, (6) COAX CABLES, (4) DC POWER & (2) FIBER.

PTN: 2051A0VFQC, 2051A0VBRB, 2051A0VB3V  
 SITE ADDRESS: 515 BOSTON POST ROAD EAST WESTPORT, CT 06880  
 LATITUDE: 41.140158° N, 41° 08' 24.57" N  
 LONGITUDE: 73.347221° W, 73° 20' 49.99" W  
 TYPE OF SITE: MONOPOLE / INDOOR  
 STRUCTURE HEIGHT: 148'-0"±  
 RAD CENTER: 120'-0"±  
 CURRENT USE: TELECOMMUNICATIONS FACILITY  
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



**SITE NUMBER: CT2153**  
**SITE NAME: WESTPORT FD**  
**FA CODE: 10035241**

**PACE ID: MRCTB047223, MRCTB047293, MRCTB047231**

**PROJECT: LTE 6C\_5G NR 2021 UPGRADE**

**DRAWING INDEX**

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

**VICINITY MAP**

**DIRECTIONS TO SITE:**  
 HEAD NORTHEAST ON ENTERPRISE DR TOWARD CAPITAL BLVD (0.36 MI.), TURN LEFT ONTO CAPITAL BLVD (0.27 MI.), TURN LEFT ONTO WEST ST (0.30 MI.) TURN LEFT TO MERGE ONTO I-91 S TOWARD NEW HAVEN (9.59 MI.), MERGE ONTO CT-15 S VIA EXIT 17 TOWARD E MAIN ST. (43.26 MI.) TAKE THE CT-57 EXIT, EXIT 42, TOWARD WESTPORT/WESTON. (0.17 MI.) TURN RIGHT ONTO WESTON RD/CT-57 (0.21 MI.) TURN SLIGHT RIGHT ONTO MAIN ST/CT-57. (0.37 MI.) TURN LEFT ONTO COMPO RD N/CT-136. (1.30 MI.) TURN LEFT ONTO POST RD E/US-1 N. (0.32 MI.) DESTINATION IS ON THE LEFT.



**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**

 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 336-5586	 750 WEST CENTER STREET, SUITE #301 WEST BRIDGEWATER, MA 02379	SITE NUMBER: CT2153 SITE NAME: WESTPORT FD 515 BOSTON POST ROAD EAST WESTPORT, CT 06880 FAIRFIELD COUNTY	 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067	<table border="1"> <tr> <td>NO.</td> <td>DATE</td> <td>ISSUED FOR REVIEW</td> <td>TR</td> <td>AT</td> <td>DPH</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">REVISIONS</td> <td>BY</td> <td>CHK</td> <td>APP'D</td> </tr> <tr> <td colspan="3">SCALE: AS SHOWN</td> <td>DESIGNED BY: AT</td> <td colspan="2">DRAWN BY: TR</td> </tr> </table>			NO.	DATE	ISSUED FOR REVIEW	TR	AT	DPH							REVISIONS			BY	CHK	APP'D	SCALE: AS SHOWN			DESIGNED BY: AT	DRAWN BY: TR		AT&T TITLE SHEET LTE 6C_5G NR 2021 UPGRADE		
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REVISIONS			BY	CHK	APP'D																												
SCALE: AS SHOWN			DESIGNED BY: AT	DRAWN BY: TR																													
		SITE NUMBER: CT2153	DRAWING NUMBER: T-1		REV: A																												

**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) LIGHTNING 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-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.

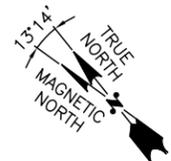
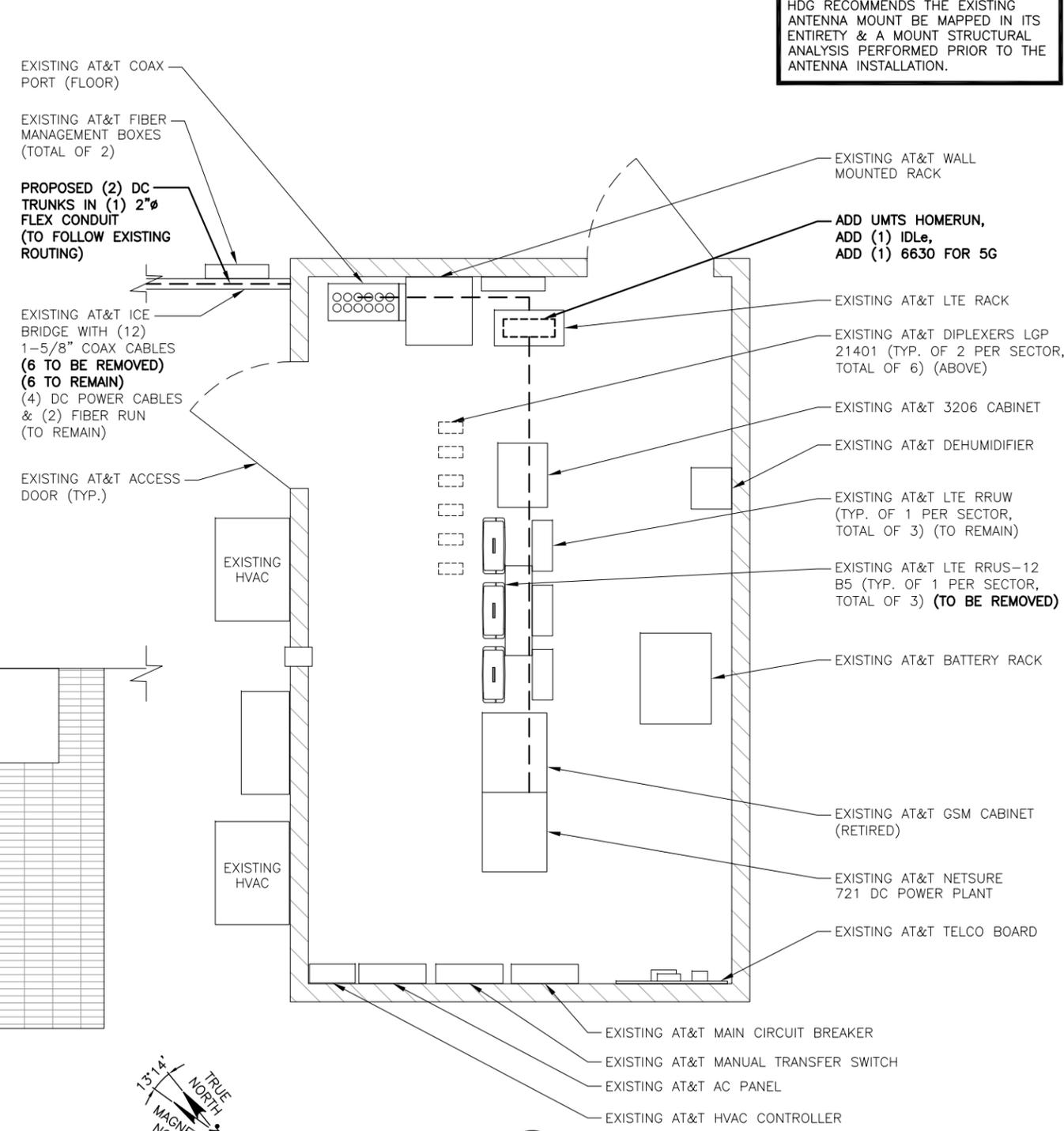
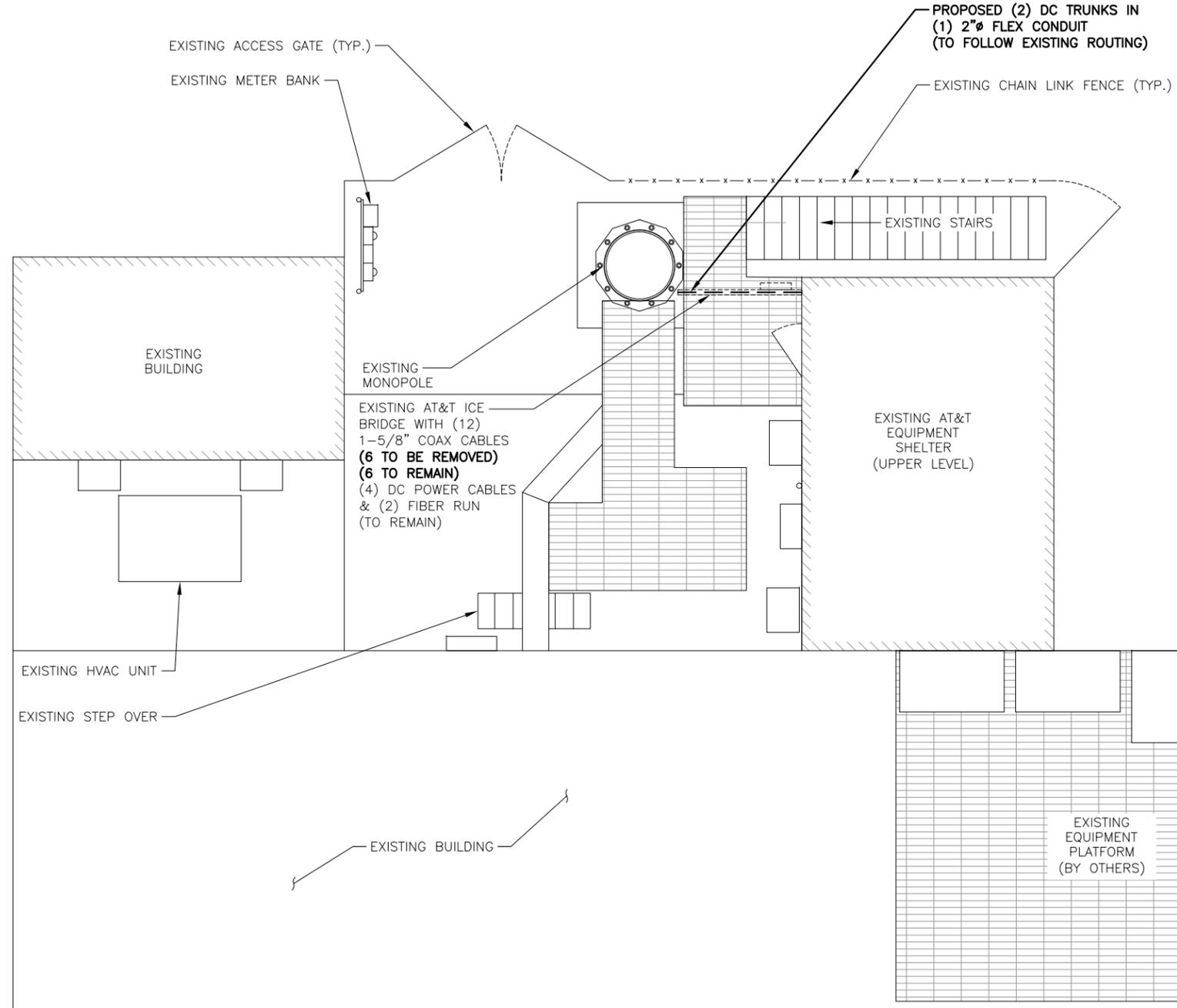
ABBREVIATIONS					
AGL	ABOVE GRADE LEVEL	EQ	EQUAL	REQ	REQUIRED
AWG	AMERICAN WIRE GAUGE	GC	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
BBU	BATTERY BACKUP UNIT	GRC	GALVANIZED RIGID CONDUIT	TBD	TO BE DETERMINED
BTCW	BARE TINNED SOLID COPPER WIRE	MGB	MASTER GROUND BAR	TBR	TO BE REMOVED
BGR	BURIED GROUND RING	MIN	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		

 45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 336-5586	 750 WEST CENTER STREET, SUITE #301 WEST BRIDGEWATER, MA 02379	SITE NUMBER: CT2153 SITE NAME: WESTPORT FD 515 BOSTON POST ROAD EAST WESTPORT, CT 06880 FAIRFIELD COUNTY	 500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067	A 06/04/20 ISSUED FOR REVIEW TR AT DPH			AT&T GENERAL NOTES LTE 6C_5G NR 2021 UPGRADE
				NO. DATE REVISIONS BY CHK APP'D	SCALE: AS SHOWN DESIGNED BY: AT DRAWN BY: TR	SITE NUMBER: CT2153 DRAWING NUMBER: GN-1 REV: A	

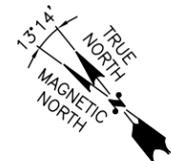
**NOTE:**  
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

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

**NOTE:**  
HDG RECOMMENDS THE EXISTING ANTENNA MOUNT BE MAPPED IN ITS ENTIRETY & A MOUNT STRUCTURAL ANALYSIS PERFORMED PRIOR TO THE ANTENNA INSTALLATION.



**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



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

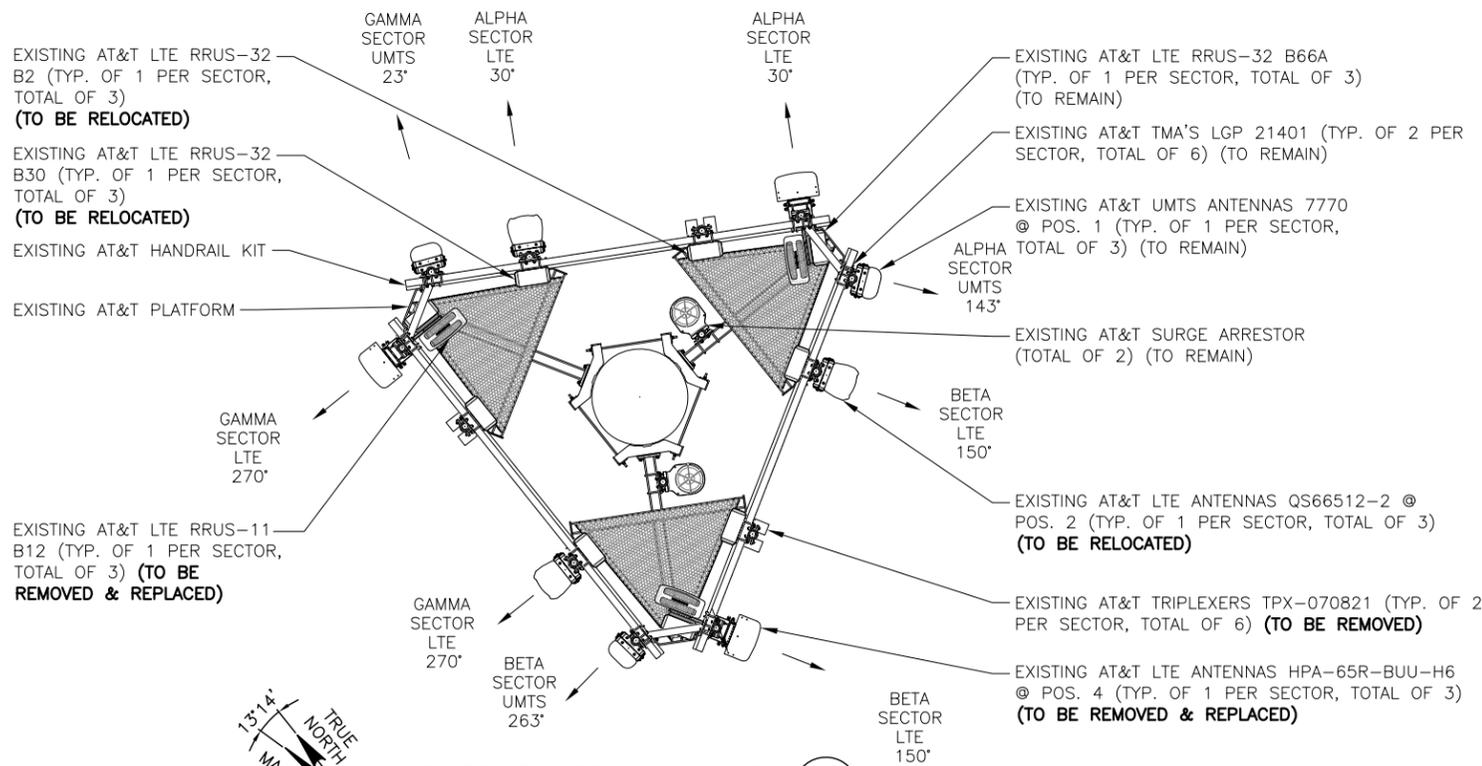
**CENTERLINE COMMUNICATIONS**  
750 WEST CENTER STREET, SUITE #301  
WEST BRIDGEWATER, MA 02379

**SITE NUMBER: CT2153**  
**SITE NAME: WESTPORT FD**  
515 BOSTON POST ROAD EAST  
WESTPORT, CT 06880  
FAIRFIELD COUNTY

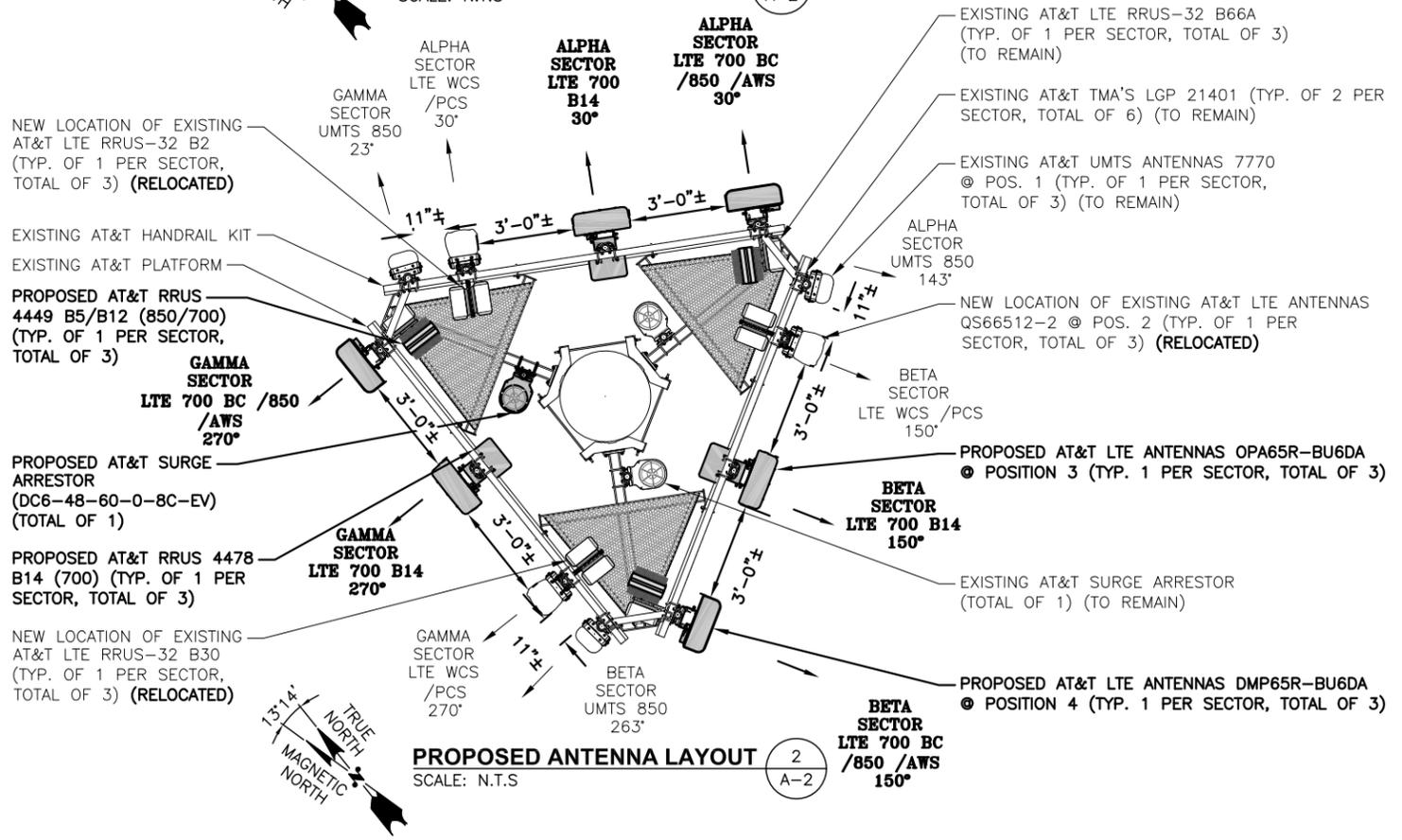
**at&t**  
500 ENTERPRISE DRIVE, SUITE 3A  
ROCKY HILL, CT 06067

NO.	DATE	ISSUED FOR REVIEW	TR	AT	DPH
A	06/04/20	ISSUED FOR REVIEW	TR	AT	DPH
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: TR		

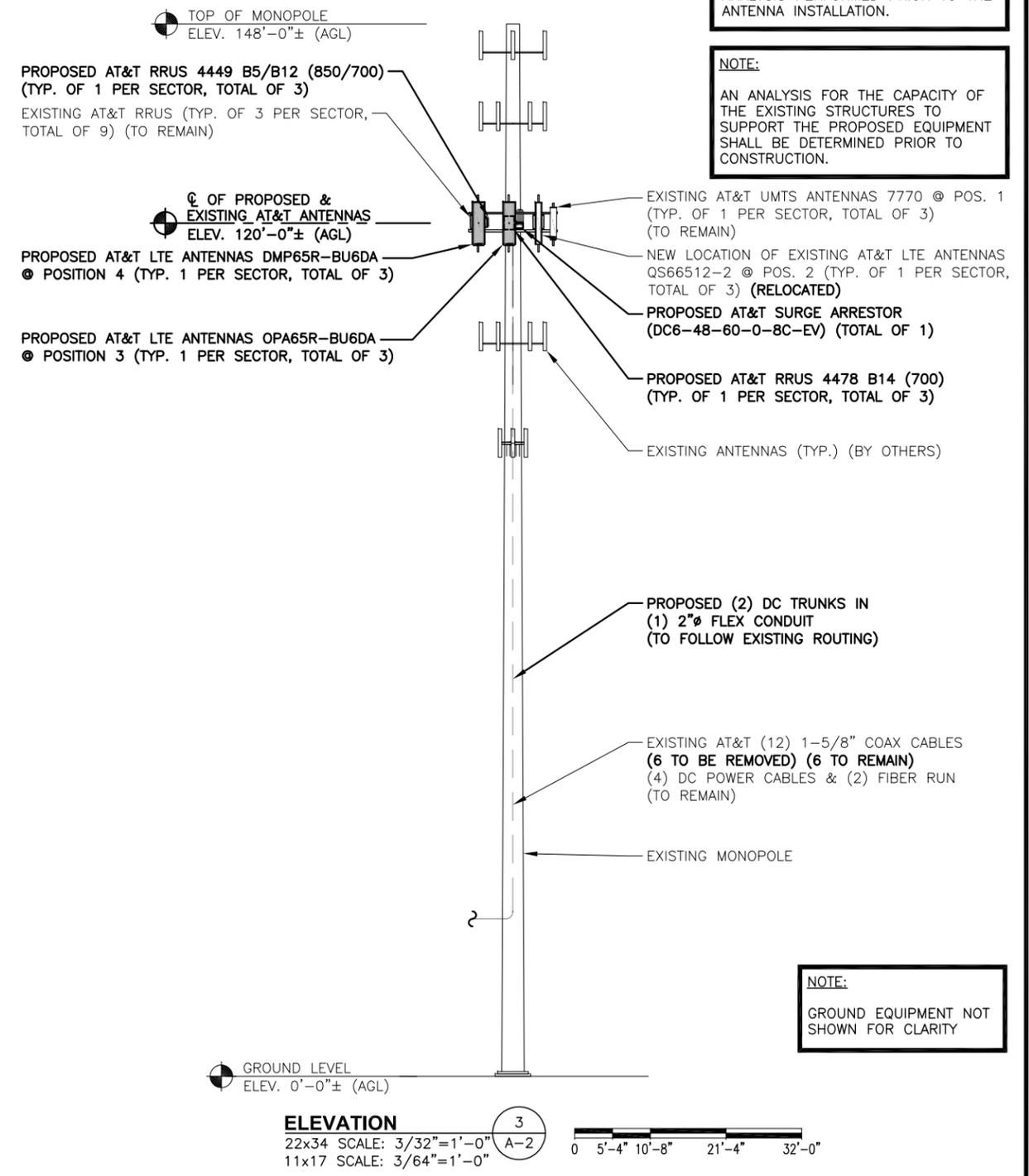
<b>AT&amp;T</b>		
<b>COMPOUND &amp; EQUIPMENT PLANS</b>		
<b>LTE 6C_5G NR 2021 UPGRADE</b>		
SITE NUMBER	DRAWING NUMBER	REV
CT2153	A-1	A



**EXISTING ANTENNA LAYOUT**  
SCALE: N.T.S.



**PROPOSED ANTENNA LAYOUT**  
SCALE: N.T.S.



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

**NOTE:**  
HDG RECOMMENDS THE EXISTING ANTENNA MOUNT BE MAPPED IN ITS ENTIRETY & A MOUNT STRUCTURAL ANALYSIS PERFORMED PRIOR TO THE ANTENNA INSTALLATION.

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

**NOTE:**  
GROUND EQUIPMENT NOT SHOWN FOR CLARITY

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

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

**SITE NUMBER: CT2153**  
**SITE NAME: WESTPORT FD**  
515 BOSTON POST ROAD EAST  
WESTPORT, CT 06880  
FAIRFIELD COUNTY

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

NO.	DATE	ISSUED FOR REVIEW	TR	AT	DPH
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: TR		

<b>AT&amp;T</b>		
<b>ANTENNA LAYOUTS &amp; ELEVATION</b>		
<b>LTE 6C_5G NR 2021 UPGRADE</b>		
SITE NUMBER	DRAWING NUMBER	REV
CT2153	A-2	A

**ANTENNA SCHEDULE**

SECTOR	EXISTING/ PROPOSED	BAND	ANTENNA	SIZE (INCHES) (L x W x D)	ANTENNA $\phi$ HEIGHT	AZIMUTH	TMA/ DIPLEXER	RRU	SIZE (INCHES) (L x W x D)	FEEDER	RAYCAP
A1	EXISTING	UMTS 850	7770	55X11X5	120'-0"±	143°	(2)(E) LGP 21401 (1)(G)(E) LGP 21901	-	-	(2)1-5/8 COAX	(E) (1) RAYCAP DC6-48-60-18-8F
A2	EXISTING	LTE WCS /PCS	QS66512-2	72x12x9.6	120'-0"±	30°	-	(1)(E) RRUS-32 B2 (WCS) (1)(E) RRUS-32 B30 (PCS)	-	-	
A3	PROPOSED	LTE 700 B14	OPA65R-BU6DA	71.2X21X7.8	120'-0"±	30°	-	(1)(P) 4478 B14 (700)	18.1x13.4x8.3	(2)(E) DC (1)(E) FIBER	
A4	PROPOSED	LTE 700 BC /850 /AWS	DMP65R-BU6DA	71.2X20.7X7.7	120'-0"±	30°	-	(1)(P) 4449 B5/B12 (850/700) (1)(E) RRUS-32 B66A (AWS)	17.9x13.2x10.4	-	
B1	EXISTING	UMTS 850	7770	55X11X5	120'-0"±	263°	(2)(E) LGP 21401 (1)(G)(E) LGP 21901	-	-	(2)1-5/8 COAX	(E) (1) RAYCAP DC6-48-60-18-8F
B2	EXISTING	LTE WCS /PCS	QS66512-2	72x12x9.6	120'-0"±	150°	-	(1)(E) RRUS-32 B2 (WCS) (1)(E) RRUS-32 B30 (PCS)	-	-	
B3	PROPOSED	LTE 700 B14	OPA65R-BU6DA	71.2X21X7.8	120'-0"±	150°	-	(1)(P) 4478 B14 (700)	18.1x13.4x8.3	(2)(E) DC (1)(E) FIBER	
B4	PROPOSED	LTE 700 BC /850 /AWS	DMP65R-BU6DA	71.2X20.7X7.7	120'-0"±	150°	-	(1)(P) 4449 B5/B12 (850/700) (1)(E) RRUS-32 B66A (AWS)	17.9x13.2x10.4	-	
C1	EXISTING	UMTS 850	7770	55X11X5	120'-0"±	23°	(2)(E) LGP 21401 (1)(G)(E) LGP 21901	-	-	(2)1-5/8 COAX	(P) (1) RAYCAP DC6-48-60-0-8C-EV
C2	EXISTING	LTE WCS /PCS	QS66512-2	72x12x9.6	120'-0"±	270°	-	(1)(E) RRUS-32 B2 (WCS) (1)(E) RRUS-32 B30 (PCS)	-	-	
C3	PROPOSED	LTE 700 B14	OPA65R-BU6DA	71.2X21X7.8	120'-0"±	270°	-	(1)(P) 4478 B14 (700)	18.1x13.4x8.3	-	
C4	PROPOSED	LTE 700 BC /850 /AWS	DMP65R-BU6DA	71.2X20.7X7.7	120'-0"±	270°	-	(1)(P) 4449 B5/B12 (850/700) (1)(E) RRUS-32 B66A (AWS)	17.9x13.2x10.4	(2)(P) DC	

RRU CHART		
QUANTITY	MODEL	SIZE (L x W x D)
3(E)	RRUS-32 B2 (WCS)	27.2"x12.1"x7.0"
3(E)	RRUS-32 B30 (PCS)	27.2"x12.1"x7.0"
3(P)	4478 B14 (700)	18.1"x13.4"x8.3"
3(P)	4449 (850/700)	17.9"x13.2"x10.4"
3(E)	RRUS-32 B66 (AWS)	27.2"x12.1"x7.0"

**NOTE:**  
MOUNT PER MANUFACTURER'S SPECIFICATIONS

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

**NOTE:**  
HDG RECOMMENDS THE EXISTING ANTENNA MOUNT BE MAPPED IN ITS ENTIRETY & A MOUNT STRUCTURAL ANALYSIS PERFORMED PRIOR TO THE ANTENNA INSTALLATION.

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

**NOTE:**  
SEE RFDS FOR RRH FREQUENCY AND MODEL NUMBER

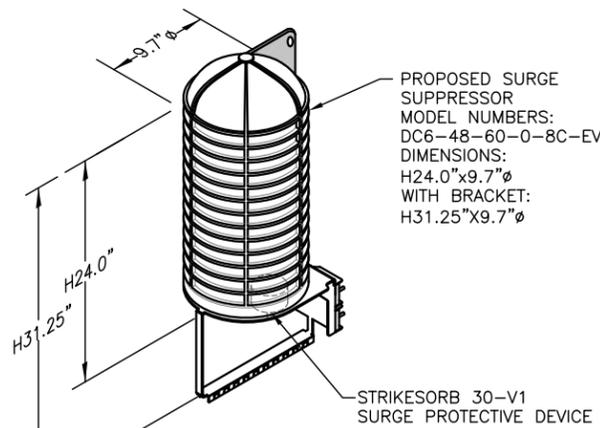


PROPOSED RRU REFER TO THE FINAL RFDS AND CHART FOR QUANTITY, MODEL AND DIMENSIONS

NOTE:  
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

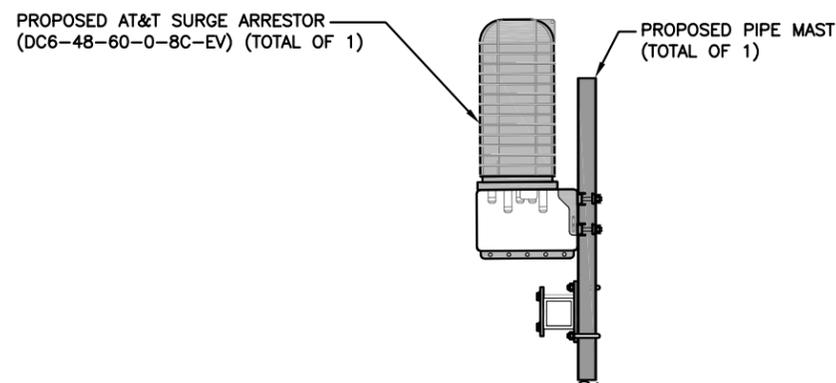
**PROPOSED RRUS DETAIL** 2  
SCALE: N.T.S

**FINAL ANTENNA SCHEDULE** 1  
SCALE: N.T.S

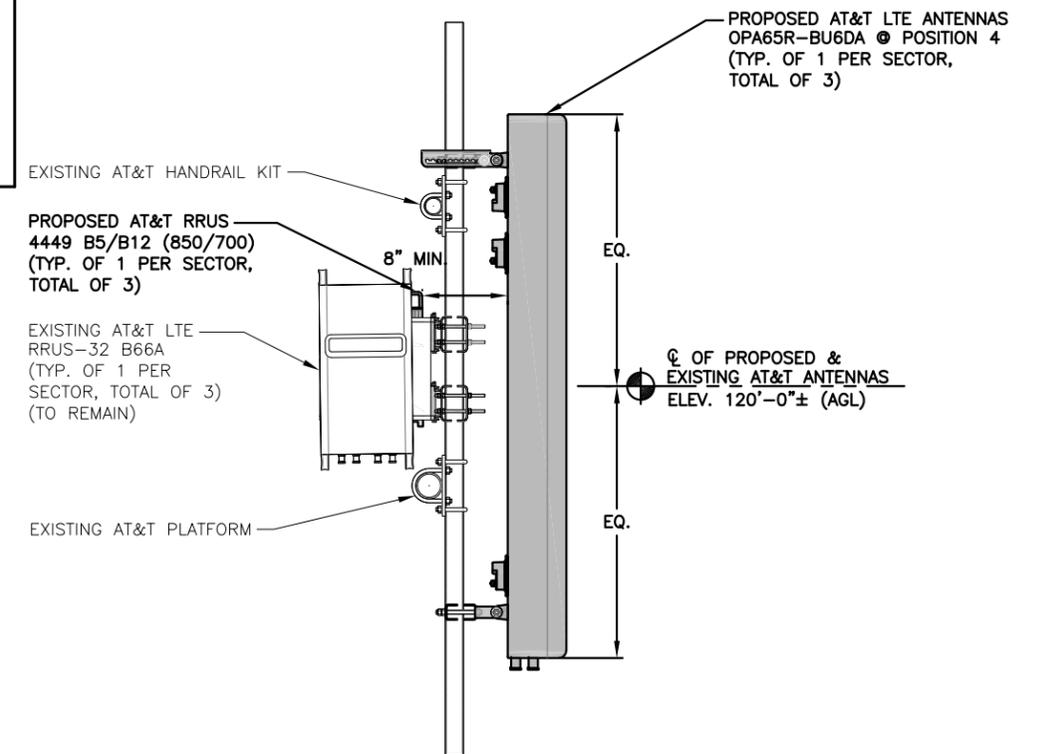


NOTE:  
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

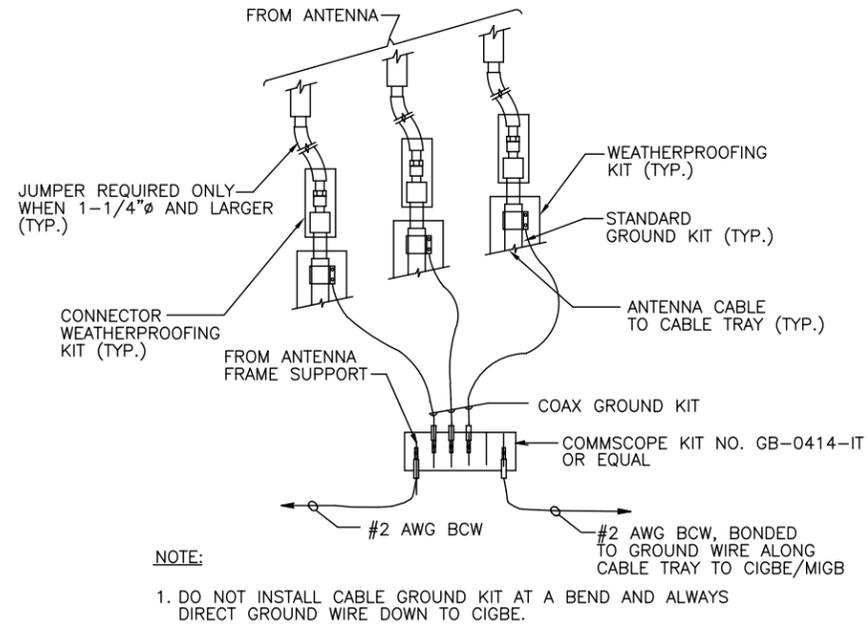
**DC SURGE SUPPRESSOR DETAIL** 3  
SCALE: N.T.S



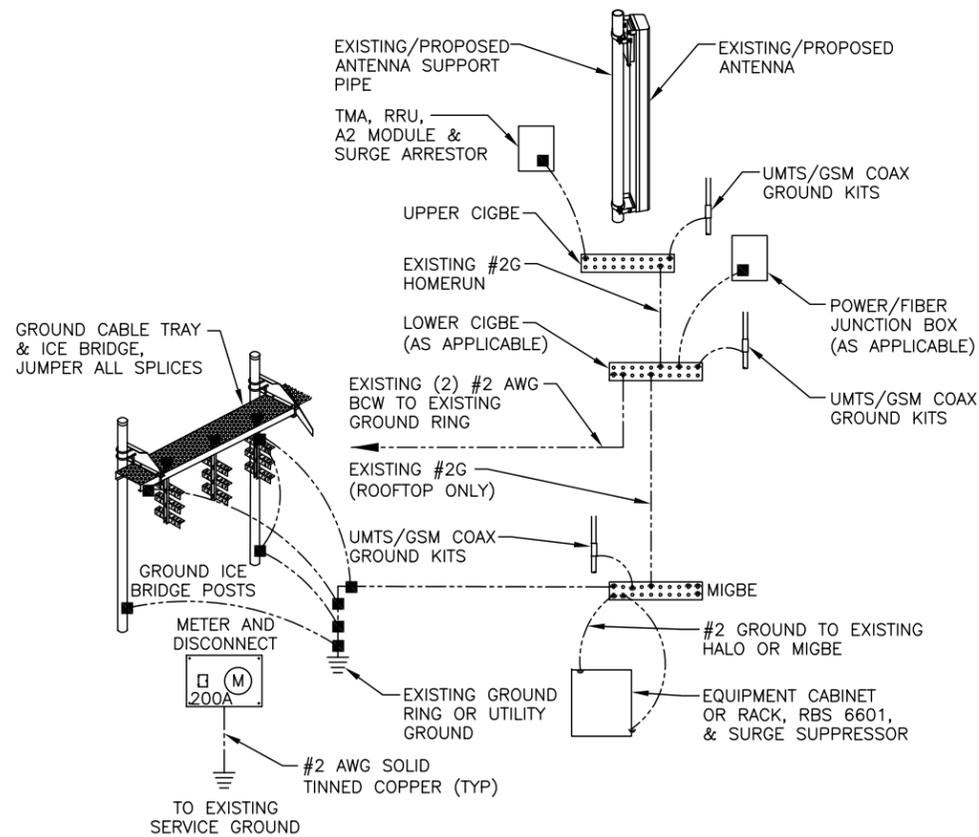
**PROPOSED SURGE ARRESTOR MOUNTING DETAIL** 4  
SCALE: N.T.S



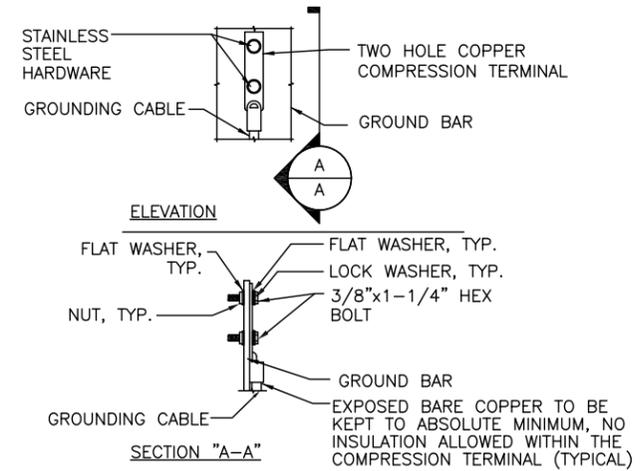
**PROPOSED LTE ANTENNA & RRU MOUNTING DETAIL** 5  
22x34 SCALE: 1/2"=1'-0"  
11x17 SCALE: 1/2"=1'-0"  
SCALE: 0' 0"-6" 1'-0" 2'-0" 3'-0"



**GROUND WIRE TO GROUND BAR CONNECTION DETAIL** 1  
SCALE: N.T.S. G-1



**GROUNDING RISER DIAGRAM** 2  
SCALE: N.T.S. G-1



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

**TYPICAL GROUND BAR CONNECTION DETAIL** 3  
SCALE: N.T.S. G-1

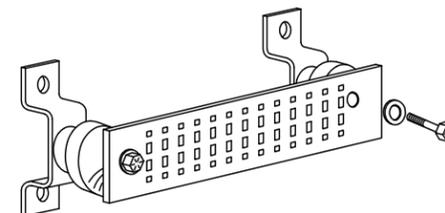
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

**SECTION "P" - SURGE PRODUCERS**

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

**SECTION "A" - SURGE ABSORBERS**

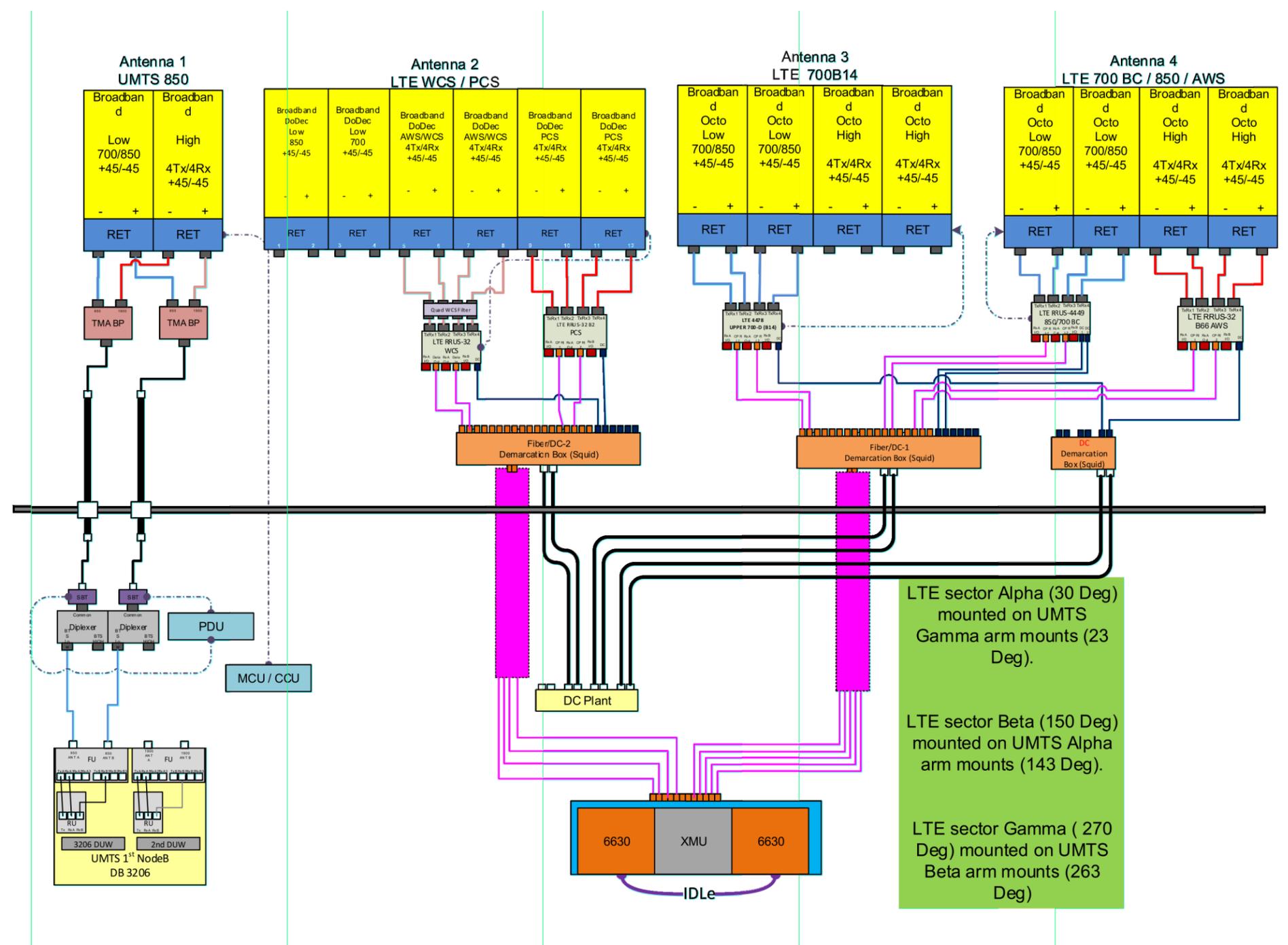
- INTERIOR GROUND RING (#2 AWG)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2 AWG)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2 AWG)
- BUILDING STEEL (IF AVAILABLE) (#2 AWG)



**GROUND BAR - DETAIL (AS REQUIRED)** 4  
SCALE: N.T.S. G-1

NO.	DATE	ISSUED FOR REVIEW	TR	AT	DPH
NO.		REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: TR		

<b>AT&amp;T</b>		
<b>GROUNDING DETAILS</b>		
<b>LTE 6C_5G NR 2021 UPGRADE</b>		
SITE NUMBER	DRAWING NUMBER	REV
CT2153	G-1	A

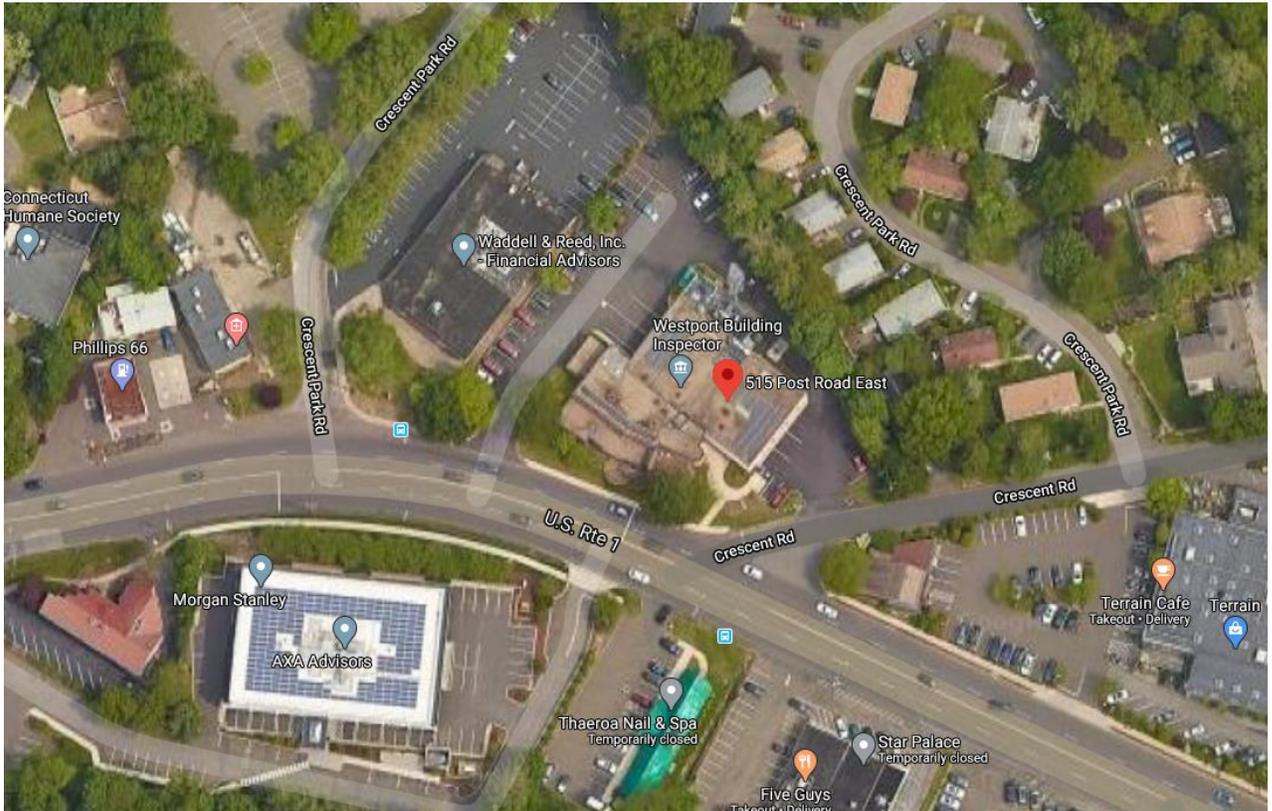


**NOTE:**  
 1. CONTRACTOR TO CONFIRM ALL PARTS.  
 2. INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS

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

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

# EXHIBIT 2



## 515 Post Rd E

Westport, CT 06880



Directions



Save



Nearby



Send to your  
phone



Share

# EXHIBIT 3



# STRUCTURAL ANALYSIS REPORT

For

**SITE NUMBER: CT2153**  
**SITE NAME: WESTPORT FD**

515 POST ROAD EAST  
WESTPORT, CT 06880

## Antennas Mounted to the Monopole



Prepared for:



Dated: June 24, 2020

Prepared by:



**HUDSON**  
Design Group LLC

45 Beechwood Drive  
North Andover, MA 01845  
(P) 978.557.5553 (F) 978.336.5586  
[www.hudsondesigngroupllc.com](http://www.hudsondesigngroupllc.com)





**HUDSON**  
Design Group LLC

### **SCOPE OF WORK:**

Hudson Design Group LLC (HDG) has been authorized by AT&T to conduct a structural evaluation of the 148' monopole supporting the proposed AT&T's antennas located at elevation 120' above the ground level.

This report represents this office's findings, conclusions and recommendations pertaining to the support of AT&T's existing and proposed antennas listed below.

Record drawings of the existing monopole were not available for our use. The previous structural analysis report prepared by Destek Engineering, dated August 24, 2018, was available for our use. The previous structural analysis report prepared by Ramaker & Associates, Inc., dated May 13, 2019, was also available and obtained for our use. Tower mapping report prepared by ProVertic LLC, dated June 22, 2020, was provided to this office.

### **CONCLUSION SUMMARY:**

Based on our evaluation, we have determined that the existing monopole and foundation **are in conformance** with the ANSI/TIA-222-H Standard for the loading considered under the criteria listed in this report. **The monopole structure is rated at 74.8% - (Pole section L2 from EL.58.25' to EL.100.5' Controlling).**



**APPURTENANCES CONFIGURATION:**

Tenant	Appurtenances	Elev.	Mount
SPRINT	DB420-B	158'	Platform w/Handrail & Kickers
SPRINT	2' Dish	152'	Platform w/Handrail & Kickers
SPRINT	3' Dish	152'	Platform w/Handrail & Kickers
SPRINT	(3) NNVV-65B-R4 Antennas	148'	Platform w/Handrail & Kickers
SPRINT	(3) AAHC	148'	Platform w/Handrail & Kickers
SPRINT	(6) RRH-800	151'	Platform w/Handrail & Kickers
SPRINT	(3) RRH-1900	148'	Platform w/Handrail & Kickers
SPRINT	(6) Mount Pipes	148'	Platform w/Handrail & Kickers
	4' Dish	143'	Pipe Mount
<b>AT&amp;T</b>	(3) 7770 Antennas	120'	RMQP-384
<b>AT&amp;T</b>	(3) QS66512-2 Antennas	120'	RMQP-384
<b>AT&amp;T</b>	(6) LGP21401	120'	RMQP-384
<b>AT&amp;T</b>	(3) RRUS-32 B2	120'	RMQP-384
<b>AT&amp;T</b>	(3) RRUS-32 B30	120'	RMQP-384
<b>AT&amp;T</b>	(3) RRUS-32 B66A	120'	RMQP-384
<b>AT&amp;T</b>	(2) DC6-48-60-18-8F	120'	RMQP-384
<b>AT&amp;T</b>	<b>(3) OPA65R-BU6D Antennas</b>	120'	RMQP-384
<b>AT&amp;T</b>	<b>(3) DMP65R-BU6DA Antennas</b>	120'	RMQP-384
<b>AT&amp;T</b>	<b>(3) 4478 B14</b>	120'	RMQP-384
<b>AT&amp;T</b>	<b>(3) 4449 B5/B12</b>	120'	RMQP-384
<b>AT&amp;T</b>	<b>(1) DC6-48-60-0-8C-EV</b>	120'	RMQP-384
	PD220	106'	Low Profile Platform
	DB205-A	104'	Low Profile Platform
	DB420-B	104'	Low Profile Platform
	DB224	104'	Low Profile Platform
	(2) PD1110	102'	Low Profile Platform
	PD201-1	99'	Low Profile Platform
	DB806-XT	99'	Low Profile Platform
	PD83-1	99'	Low Profile Platform
	(10) Mount Pipes	96'	Low Profile Platform
T-Mobile	(6) TMA	82'	Platform w/Handrail
T-Mobile	(3) APXVAARR24_43-U-NA20 Antennas	82'	Platform w/Handrail
T-Mobile	(3) AIR 32 B66Aa/B2a Antennas	82'	Platform w/Handrail
T-Mobile	(3) Radio 4449	82'	Platform w/Handrail
	(3) 800 10504 Antennas	72'	Pipe Mount
	BSA150B	53'	Side Mount Standoff

**\*Proposed AT&T Appurtenances shown in Bold.**



**AT&T EXISTING/PROPOSED COAX CABLES:**

Tenant	Coax Cables	Elev.	Mount
<b>AT&amp;T</b>	(6) 1 5/8" Cables	120'	Inside Monopole
<b>AT&amp;T</b>	(4) DC Power Cables	120'	Inside Monopole
<b>AT&amp;T</b>	(2) Fiber Cables	120'	Inside Monopole
<b>AT&amp;T</b>	<b>(2) DC Power Cables</b>	120'	Inside Monopole

*\*Proposed AT&T Coax Cables shown in Bold.*

**ANALYSIS RESULTS SUMMARY:**

Component	Max. Stress Ratio	Elev. of Component (ft)	Pass/Fail	Comments
<b>Pole Section-L1</b>	62.4 %	100.5 – 148	PASS	
<b>Pole Section-L2</b>	<b>74.8%</b>	58.25 – 100.5	PASS	<b>Controlling</b>
<b>Pole Section-L3</b>	61.6 %	28.25 – 58.25	PASS	
<b>Pole Section-L4</b>	58.2 %	0 – 28.25	PASS	
<b>Base Plate &amp; Anchor Bolts</b>	67.2 %	0	PASS	



**HUDSON**  
Design Group LLC

#### **DESIGN CRITERIA:**

1. EIA/TIA-222-H Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures
2. 2018 Connecticut State Building Code

City/Town: Westport  
County: Fairfield  
Basic Wind Speed: 130 mph  
Risk Category: III  
Exposure Category: B  
Topographic Category: 1  
Ice Thickness: 1.0 inch

#### **ASSUMPTIONS:**

1. The monopole and foundation are properly constructed and maintained. 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.
2. The appurtenances configuration is as stated in this report. All antennas, coax cables and waveguide cables are assumed to be properly installed and supported as per the manufacturer's requirements.
3. The support mounts and platforms are not analyzed and are considered adequate to support the loading. The analysis is limited to the primary support structure itself.
4. All prior structural modification, if any, are assumed to be as per the data supplied (if available), and installed properly.

#### **SUPPORT RECOMMENDATIONS:**

HDG recommends that the proposed antennas, RRHs and surge arrestor be mounted on the existing steel platform supported by the monopole.

# EXHIBIT 4



June 22, 2020



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

RE:      Site Number:            CT2153 (LTE 6C\_5G NR RETRO)  
          FA Number:            10035241  
          PACE Number:         MRCTB047223  
          PT Number:            2051A0VFQC  
          Site Name:            WESTPORT FD  
          Site Address:         515 Boston Post Road East  
   Westport, CT 06880

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) 7770 Antennas (55.0"x11.0"x5.0" - Wt. = 35 lbs. /each)
- (3) QS66512-2 Antennas (72.0"x12.0"x9.6" – Wt. = 111 lbs. /each)
- (3) RRUS-32 B2 RRH's (27.2"x12.1"x7.0" – Wt. = 60 lbs. /each)
- (3) RRUS-32 B30 RRH's (27.2"x12.1"x7.0" – Wt. = 60 lbs. /each)
- (3) RRUS-32 B66A RRH's (27.2"x12.1"x7.0" – Wt. = 60 lbs. /each)
- (6) LGP21401 TMA's (14.4"x9.0"x2.7" – Wt. = 19 lbs. /each)
- (2) Squid Surge Arrestor (24.0"x9.7"  $\Phi$  – Wt. = 33 lbs. /each)
- **(3) OPA65R-BU6DA Antennas (71.2"x21.0"x7.8" – Wt. = 64 lbs. /each)**
- **(3) DMP65R-BU6DA Antennas (71.2"x20.7"x7.7" – Wt. = 80 lbs. /each)**
- **(3) B14 4478 RRH's (18.1"x13.4"x8.3" – Wt. = 60 lbs. /each)**
- **(3) 4449 B5/B12 RRH's (17.9"x13.2"x9.5" – Wt. = 71 lbs. /each)**
- **(1) Squid Surge Arrestor (24.0"x9.7"  $\Phi$  – Wt. = 33 lbs. /each)**

*\*Proposed equipment shown in bold*

Mount fabrication drawings prepared by Valmont Site Pro, P/N RMQP-384, dated January 23, 2012 were used to perform this analysis. Ground audit photos taken by HDG, dated May 26, 2020 were used to perform this analysis.

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 130 mph with a max basic wind speed with ice of 50 mph and a max ice thickness of 1.0 in. An escalated ice thickness of 1.42 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.
- The mount has been analyzed with load combinations consisting of 250 lbs live load using a service wind speed of 30 mph wind on the worst case antenna. Analysis performed on each antenna pipe to determine worst case location; worst case location was antenna position 3.
- The mount has been analyzed with load combinations consisting of a 250 lbs live load in a worst case location on the mount.
- The existing mount is secured to the existing monopole with ring mount. The connection is considered OK by visual inspection.

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
<b>Existing (LTE 6C 5G NR RETRO Mount Rating)</b>	54	LC1	77%	<b>PASS</b>

Reference Documents:

- Fabrication drawings prepared by Valmont Site Pro, P/N RMQP-384, dated January 23, 2012.
- Ground audit photos taken by HDG, dated May 26, 2020.

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



Michael Cabral  
Vice President



Daniel P. Hamm, PE  
Principal

# EXHIBIT 5





# Radio Frequency Emissions Analysis Report

AT&T

Site Name: **CT2153**

515 Boston Post Road East  
Westport, Connecticut 06880

**December 3, 2019**

**Centerline Communications Project Number: 950012-334**

Site Compliance Summary	
Compliance Status:	<b>Compliant</b>
AT&T total MPE% of FCC general population allowable limit:	<b>0.09750360%</b>
Site total MPE% of FCC general population allowable limit:	<b>0.16457634%</b>



June 9, 2020

AT&T Mobility – New England  
Attn: John Benedetto, RF Manager  
550 Cochituate Road  
Suite 550 – 13&14  
Framingham, MA 01701

### Emissions Analysis for Site: **CT2153**

Centerline Communications, LLC (“Centerline”) was directed to analyze the proposed AT&T facility to be located on a **Monopole** near **515 Boston Post Road East, Westport Connecticut 06880** for the purpose of determining whether the emissions from the proposed facility are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The number of  $\mu\text{W}/\text{cm}^2$  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 population may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general population would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The general population exposure limits for the 1900 MHz (PCS) and 5 GHz (B46) bands is  $1000 \mu\text{W}/\text{cm}^2$ .



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

Additional details can be found in FCC OET 65.



## CALCULATIONS

Calculations were performed for the proposed facility using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing focused omnidirectional antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. This is a very conservative estimate since the gain reduction in actual applications is typically greater than 10 dB in the direction of ground immediately surrounding the facility. Real world emissions values from this facility are expected to be lower than values listed in this report at ground level. For this report the sample point is the top of a 6-foot person standing at the base of the tower.

Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. All power values expressed and analyzed are maximum power levels expected to be used on all radios.

For each sector the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

RRH #	Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
1	UMTS	850	1	40
2	WCS	2300	4	25
2	LTE	1900	4	40
3	LTE	700	4	40
4	LTE	700	2	40
4	LTE	850	2	40
4	LTE	2100	2	40
4	5G	850	2	40

*Table 1: Channel Data Table*



The following antennas listed in *Table 2* were used in the modeling for transmission in the 700 MHz (LTE), 850MHz (UMTS), 850MHz (LTE), 1900 MHz (LTE), 2100 MHz (LTE) and 2300 (WCS) frequency bands. This is based on information from the carrier with regard to anticipated antenna selection.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	Powerwave 7770	120
A	2	Quintel QS66512-2	120
A	2	Quintel QS66512-2	120
A	3	CCI OPA65R-BU6DA	120
A	4	CCI DMP65R-BU6DA	120
A	4	CCI DMP65R-BU6DA	120
A	4	CCI DMP65R-BU6DA	120
A	4	CCI DMP65R-BU6DA	120
B	5	Powerwave 7770	120
B	6	Quintel QS66512-2	120
B	6	Quintel QS66512-2	120
B	7	CCI OPA65R-BU6DA	120
B	8	CCI DMP65R-BU6DA	120
B	8	CCI DMP65R-BU6DA	120
B	8	CCI DMP65R-BU6DA	120
B	8	CCI DMP65R-BU6DA	120
C	9	Powerwave 7770	120
C	10	Quintel QS66512-2	120
C	10	Quintel QS66512-2	120
C	11	CCI OPA65R-BU6DA	120
C	12	CCI DMP65R-BU6DA	120
C	12	CCI DMP65R-BU6DA	120
C	12	CCI DMP65R-BU6DA	120
C	12	CCI DMP65R-BU6DA	120

*Table 2: Antenna Data*

All calculations were done with respect to uncontrolled / general population threshold limits.



## RESULTS

Per the calculations completed for the proposed AT&T configurations *Table 3* shows resulting emissions power levels and percentages of the FCC’s allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Antenna Height (ft)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
ATT A1	Powerwave 7770	850	13.5	120	1	1	546	0.00396477%
ATT A2	Quintel QS66512-2	2300	16.7	120	4	4	4676	0.00205563%
ATT A2	Quintel QS66512-2	1900	16.3	120	4	4	6822	0.00205427%
ATT A3	CCI OPA65R-BU6DA	700	11.35	120	4	4	2183	0.00356230%
ATT A4	CCI DMP65R-BU6DA	700	11.75	120	2	2	1197	0.00216029%
ATT A4	CCI DMP65R-BU6DA	850	11.45	120	2	2	1117	0.00229846%
ATT A4	CCI DMP65R-BU6DA	2100	15.35	120	2	2	2742	0.00045643%
ATT A4	CCI DMP65R-BU6DA	850	11.45	120	2	2	1117	0.00229846%
ATT B5	Powerwave 7770	850	13.5	120	1	1	546	0.46229135%
ATT B6	Quintel QS66512-2	2300	16.7	120	4	4	4676	0.81803253%
ATT B6	Quintel QS66512-2	1900	16.3	120	4	4	6822	1.22796284%
ATT B7	CCI OPA65R-BU6DA	700	11.35	120	4	4	2183	2.95270848%
ATT B8	CCI DMP65R-BU6DA	700	11.75	120	2	2	1197	1.49591053%
ATT B8	CCI DMP65R-BU6DA	850	11.45	120	2	2	1117	1.10110122%
ATT B8	CCI DMP65R-BU6DA	2100	15.35	120	2	2	2742	0.62939483%
ATT B8	CCI DMP65R-BU6DA	850	11.45	120	2	2	1117	1.02799311%
ATT C9	Powerwave 7770	850	13.5	120	1	1	546	0.00449567%
ATT C10	Quintel QS66512-2	2300	16.7	120	4	4	4676	0.00154387%
ATT C10	Quintel QS66512-2	1900	16.3	120	4	4	6822	0.00095067%
ATT C11	CCI OPA65R-BU6DA	700	11.35	120	4	4	2183	0.0000180201
ATT C12	CCI DMP65R-BU6DA	700	11.75	120	2	2	1197	0.0000229996
ATT C12	CCI DMP65R-BU6DA	850	11.45	120	2	2	1117	0.0000227794

ATT C12	CCI DMP65R- BU6DA	2100	15.35	120	2	2	2742	0.0000046717
ATT C12	CCI DMP65R- BU6DA	850	11.45	120	2	2	1117	0.0000227794
AT&T Composite MPE%								0.097503607

*Table 3: AT&T Antenna Inventory & Power Levels*



FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. *Table 6* below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated AT&T sector(s). Since this proposed facility is utilizing an omnidirectional antenna there is only one sector for this site (Sector A).

Frequency Band	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (PW/cm <sup>2</sup> )	Technology	Allowable MPE (PW/cm <sup>2</sup> )	Calculated % MPE
850	1	546	120	0.000224670	UMTS	567	0.00396477%
2300	4	4676	120	0.000205563	WCS	1000	0.00205563%
1900	4	6822	120	0.000205427	LTE	1000	0.00205427%
700	4	2183	120	0.000166241	LTE	467	0.00356230%
700	2	1197	120	0.000100814	LTE	467	0.00216029%
850	2	1117	120	0.000130246	LTE	567	0.00229846%
2100	2	2742	120	0.000045643	LTE	1000	0.00045643%
850	2	1117	120	0.000130246	5G	567	0.00229846%
850	1	546	120	0.026196510	UMTS	567	0.46229135%
2300	4	4676	120	0.081803253	WCS	1000	0.81803253%
1900	4	6822	120	0.122796284	LTE	1000	1.22796284%
700	4	2183	120	0.137793062	LTE	467	2.95270848%
700	2	1197	120	0.069809158	LTE	467	1.49591053%
850	2	1117	120	0.062395736	LTE	567	1.10110122%
2100	2	2742	120	0.062939483	LTE	1000	0.62939483%
850	2	1117	120	0.058252943	5G	567	1.02799311%
850	1	546	120	0.000254755	UMTS	567	0.00449567%
2300	4	4676	120	0.000154387	WCS	1000	0.00154387%
1900	4	6822	120	0.000095067	LTE	1000	0.00095067%
700	4	2183	120	0.000084094	LTE	467	0.0000180201
700	2	1197	120	0.000107331	LTE	467	0.0000229996
850	2	1117	120	0.000129083	LTE	567	0.0000227794
2100	2	2742	120	0.000046717	LTE	1000	0.0000046717
850	2	1117	120	0.000129083	5G	567	0.0000227794
<b>AT&amp;T Total:</b>							<b>0.0975036074</b>

Table 6: AT&T Maximum Sector MPE Power Values



## Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general population exposure to RF Emissions.

The anticipated maximum composite contributions from the AT&T facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general population exposure to RF Emissions are shown here:

AT&T Sector	Power Density Value (%)
AT&T Contribution:	0.09750360747
Other Carrier Contribution:	0.0682855755178857
Site Total:	0.164576342352543
Site Compliance Status:	<b>Compliant</b>

The anticipated composite MPE value for this site assuming all carriers present is 0.164576% of the allowable FCC established general population limit sampled at the ground level.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

*Dane Folie*

Dane Folie  
RF Compliance Consultant  
**Centerline Communications, LLC**

750 West Center St. Suite 301  
West Bridgewater, MA 02379

# EXHIBIT 6





STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

Ten Franklin Square  
New Britain, Connecticut 06051  
Phone: (860) 827-2935  
Fax: (860) 827-2950

September 3, 1999

Peter W. van Wilgen  
Director – Real Estate Operations  
SNET Wireless, Inc.  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

RE: TS-SCLP-158-990806 - Springwich Cellular Limited Partnership request for an order to approve tower sharing at an existing telecommunications facility located at 515 Post Road (Route 1) in Westport, Connecticut.

Dear Mr. van Wilgen:

At a public meeting held August 31, 1999, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures.

This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated August 6, 1999. Please notify the Council when all work is complete.

Very truly yours,

  
Mortimer A. Gelston  
Chairman

MAG/RKE/sll

cc: Honorable Diane G. Farrell, First Selectman, Town of Westport  
Steve Kotfila, Site Development Manager, Sprint PCS



# WESTPORT CONNECTICUT

PLANNING & ZONING DEPARTMENT  
TOWN HALL, 110 MYRTLE AVENUE  
WESTPORT, CONNECTICUT 06880  
(203) 341-1030 • (203) 341-1079  
(203) 454-6145 - fax

Hearing: March 18, 1999  
Decision: April 15, 1999

April 19, 1999

Chief Richard Gough  
Westport Department of Fire Services  
515 Post Road East  
Westport, CT 06880

Re: 515 Post Road East, Appl. #99-001

Dear Mr. Gough:

This is to certify that at a meeting of the Westport Planning and Zoning Commission held on April 15, 1999 it was moved by Robert Graham and seconded by Eleanor Lowenstein to adopt the following resolution.

## RESOLUTION # 99-001

WHEREAS, THE PLANNING AND ZONING COMMISSION met on April 15, 1999 and made the following findings:

- The proposed relocation of the Fire Department antenna will not extend the height of the tower, but will provide for better utilization for emergency communications and the commercial carriers.
- The addition of the SNET panels is in conformance with the Town Plan of Development, which called for the "maximum use of existing communication towers for additional service wherever possible."
- The addition of the two-story extension at the rear of the site will not interfere with traffic movements and will provide for needed storage for the Fire Department and communications equipment.
- No additional parking spaces are required for this use.

NOW THEREFORE, BE IT RESOLVED that Application #99-001 by the Town of Westport for property owned by the Town of Westport for a site plan approval to add a triangular platform with panel antennas to existing monopole tower, to relocate primary fire department antenna to top of tower and construct a two story addition to rear of fire headquarters in a GBD, Map 5318-1, Lot 6 be **GRANTED** subject to the conditions listed below:

515 Post Road East, R. #99-001

Page 2 of 3

**CONDITIONS**

1. Conformance to the ZBA Variance #5631
2. Conformance to Existing Conditions Map, prepared by Walter H. Skidd, dated 1/25/99.
3. Conformance to Site Plan (sheet C-1) prepared by the Maguire Group, dated 11/17/98 and received by P&Z on 1/6/99.
4. Conformance to Building Floor Plans and Elevations (sheets A-1, A-2, and C-3) prepared by the Maguire Group, dated 11/17/98 and received by P&Z on 1/6/99.
5. Prior to the issuance of a Zoning Permit please submit the following documents to the office:
  - A. Three sets of site and building plans.
  - B. Site plan must be modified to indicate additional buffer and ornamental landscaping on the Crescent Road side of the property. Dead or out-of-control plants must be replaced.
6. A certified "As-Built" shall be submitted prior to an issuance of a Certificate of Zoning Compliance.
7. All new utilities shall be placed underground.
8. A zoning permit shall be obtained within one year of this approval or said approval shall become null and void.
9. All plantings shown on an approved Site Plan shall be maintained in a healthy growing condition and all fences and walls shall be maintained in good physical condition throughout the duration of the use. Plants, fences or walls not so maintained shall be replaced with new materials no later than the beginning of the next immediately following growing season.
10. All work approved pursuant to this Site Plan and Special Permit shall be completed within 5 years of date of approval, by April 15, 2004.
11. This is a conditional approval. Each and every condition is an integral part of the Commission decision. Should any of the conditions, on appeal from this decision, be found to be void or of no legal effect, then this conditional approval is likewise void. The applicant may refile another application for review.

**Reasons:**

The proposed use has been found to be in conformance with the Town Plan of Development and it will

1. be in conformance with the applicable zoning regulations of the Town of Westport; and
2. not prevent or inhibit the orderly growth and development of the area; and
3. not have a significant adverse affect on adjacent areas located within the close proximity to the use.

515 Post Road East, #99-001  
Page 3 of 3

VOTE:

AYES	-7-	(Lowenstein, Graham, MacLachlan, Crowther, Getraer, Stashower, Wexler)
NAYS	-0-	
ABSTENTIONS	-0-	

Very truly yours,

*Eleanor Lowenstein*

Eleanor Lowenstein  
Chairman,  
Planning & Zoning Commission

cc: Glenn Werfelman; Assessor

July 1, 2002

Christopher B. Fisher, Esq.  
Cuddy & Feder & Worby LLP  
90 Maple Avenue  
White Plains, NY 10601-5196

RE: **EM-AT&T-057-158-161-020531** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at Greenwich, Westport, and Wilton.

Dear Attorney Fisher:

At a public meeting held on June 25, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated May 30, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston  
Chairman

MAG/laf

c: Honorable Lolly H. Prince, First Selectman, Town of Greenwich  
Diane Fox, Town Planner, Town of Greenwich  
Honorable Diane G. Farrell, First Selectman, Town of Westport  
Katherine Barnard, Director of Planning and Zoning, Town of Westport  
Honorable Paul F. Hannah, Jr., First Selectman, Town of Wilton  
Robert Nerney, Town Planner, Town of Wilton



# 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@po.state.ct.us](mailto:siting.council@po.state.ct.us)

Web Site: [www.state.ct.us/csc/index.htm](http://www.state.ct.us/csc/index.htm)

September 26, 2002

Peter W. van Wilgen  
Southwestern Bell Mobile Systems, LLC  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

RE: **EM-CING-015-018-034-057-097-103-144-158-020913** - Southwestern Bell Mobile Systems, LLC notice of intent to modify existing telecommunications facilities located in Bridgeport, Brookfield, Danbury, Greenwich, Newtown, Norwalk, Trumbull, and Westport, Connecticut.

Dear Mr. van Wilgen:

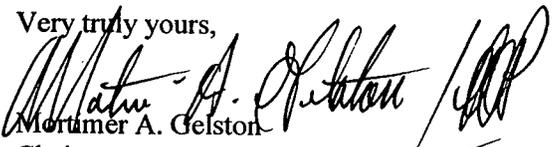
At a public meeting held on September 25, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 13, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility sites that would not increase tower heights, extend the boundaries of the tower site, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

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

Thank you for your attention and cooperation.

Very truly yours,

  
Mortimer A. Gelston  
Chairman

MAG/DM/laf

c: See attached list.

List Attachment.

- c: Honorable Joseph P. Ganim, Mayor, City of Bridgeport
- Michael P. Nidoh, City Planner, City of Bridgeport
- Melanie J. Howlett, Assistant City Attorney, City of Bridgeport
- Honorable Martin J. Foncello, Jr., First Selectman, Town of Brookfield
- Clare Ann Walsh, Land Use Enforcement Officer, Town of Brookfield
- Heather Paton, Land Use Office, Town of Brookfield
- Honorable Mark D. Boughton, Mayor, City of Danbury
- Dennis Elpern, City Planner, City of Danbury
- Honorable Lolly H. Prince, First Selectman, Town of Greenwich
- Diane Fox, Town Planner, Town of Greenwich
- Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
- Gary Frenette, Zoning Enforcement Officer, Town of Newtown
- Honorable Alex A. Knopp, Mayor, City of Norwalk
- Michael Greene, Director of Planning and Zoning, City of Norwalk
- Honorable Raymond G. Baldwin, Jr., First Selectman, Town of Trumbull
- Harry Eberhart, Zoning Enforcement Officer, Town of Trumbull
- Honorable Diane G. Farrell, First Selectman, Town of Westport
- Katherine Barnard, Director of Planning and Zoning, Town of Westport



# 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](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

May 31, 2011

Douglas L. Culp, Real Estate Consultant  
New Cingular Wireless PCS, LLC  
500 Enterprise Drive  
Rocky Hill, CT 06067-3900

RE: **EM-CING-158-110504** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 515 Boston Post Road, Westport, Connecticut.

Dear Mr. Culp:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with 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;
- Not less than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- 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;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated May 4, 2011. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,

Linda Roberts  
Executive Director

LR/CDM/laf

c: The Honorable Gordon F. Joseloff, First Selectman, Town of Westport  
Laurence Bradley, Director, Planning & Zoning, Town of Westport  
Crown Castle USA, Inc.





# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

May 4, 2015

David P. Cooper  
Empire Telecom  
16 Esquire Road  
Billerica, MA 01862

RE: **EM-AT&T-158-150414** - AT&T Mobility notice of intent to modify an existing telecommunications facility located at 515 Boston Post Road, Westport, Connecticut.

Dear Mr. Cooper:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- 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 Mobility 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.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated April 7, 2015. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.



CONNECTICUT SITING COUNCIL

Affirmative Action / Equal Opportunity Employer

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Melanie A. Bachman  
Acting Executive Director

MAB/CMW/cm

c: The Honorable Jim Marpe, First Selectman, Town of Westport  
Laurence Bradley, Director, Planning & Zoning, Town of Westport  
Crown Castle



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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[www.ct.gov/csc](http://www.ct.gov/csc)

February 8, 2016

Jeff Barbadora  
Crown Castle  
3530 Torrington Way, Suite 300  
Charlotte, NC 28277

RE: **EM-AT&T-158-160121** – AT&T notice of intent to modify an existing telecommunications facility located at 515 Post Road East, Westport, Connecticut.

Dear Mr. Barbadora:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies 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;
2. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
3. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
4. 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;
5. The validity of this action shall expire one year from the date of this letter; and
6. 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.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated January 19, 2016. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require



CONNECTICUT SITING COUNCIL

explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Melanie A. Bachman  
Acting Executive Director

MAB/CH/cm

c: The Honorable Jim Marpe, First Selectman, Town of Westport  
Laurence Bradley, Director, Planning & Zoning, Town of Westport



# 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](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

December 27, 2016

Jeff Barbadora  
Crown Castle  
12 Gill Street, Ste. 5800  
Woburn, MA 01801

RE: **EM-AT&T-158-161208** - AT&T notice of intent to modify an existing telecommunications facility located at 515 Post Road East, Westport, Connecticut.

Dear Mr. Barbadora:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

1. Prior to commencement of installation, AT&T shall provide one copy of the Structural Analysis Report to the Council referencing Revision G of the *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures* as adopted by the Connecticut State Building Code effective October 1, 2016;
2. Any deviation from the proposed modification as specified in this notice and supporting materials with the Council shall render this acknowledgement invalid;
3. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
4. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
5. 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;
6. The validity of this action shall expire one year from the date of this letter; and
7. 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.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated December 7, 2016. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been



CONNECTICUT SITING COUNCIL

carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Melanie A. Bachman  
Acting Executive Director

MAB/CW/cm

- c: The Honorable Jim Marpe, First Selectman, Town of Westport  
Mary Young, Director, Planning & Zoning, Town of Westport



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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E-Mail: [siting.council@ct.gov](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

November 6, 2018

Kristen White  
Site Acquisition Specialist  
Empire Telecom USA, LLC  
16 Esquire Road  
Billerica, MA 01862

RE: **EM-AT&T-158-180918** – AT&T notice of intent to modify an existing telecommunications facility located at 515 Boston Post Road East, Westport, Connecticut.

Dear Ms. White:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies 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;
2. Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
3. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
4. 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;
5. The validity of this action shall expire one year from the date of this letter; and
6. 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.

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated September 17, 2018. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site by any dimension, increase noise levels at the tower site boundary by six decibels or more, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standards adopted by the Federal Communications Commission pursuant to Section 704 of the Telecommunications Act of 1996 and by the state Department of Energy and Environmental Protection pursuant to Connecticut General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below state and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require



CONNECTICUT SITING COUNCIL

Affirmative Action / Equal Opportunity Employer

explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Sincerely,



Melanie A. Bachman  
Executive Director

MAB/CW/emr

c: The Honorable Jim Marpe, First Selectman, Town of Westport  
Mary Young, Director, Planning & Zoning, Town of Westport

# EXHIBIT 7



UPS CampuShip: View/Print Label

1. Ensure there are no other shipping or tracking labels attached to your package. Select the Print button on the print dialog box that appears. Note: If your browser does not support this function select Print from the File menu to print the label.
2. Fold the printed label at the solid line below. Place the label in a UPS Shipping Pouch. If you do not have a pouch, affix the folded label using clear plastic shipping tape over the entire label.
3. GETTING YOUR SHIPMENT TO UPS

**Customers with a Daily Pickup**  
Your driver will pickup your shipment(s) as usual.

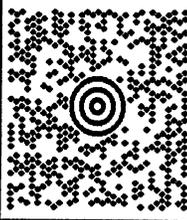
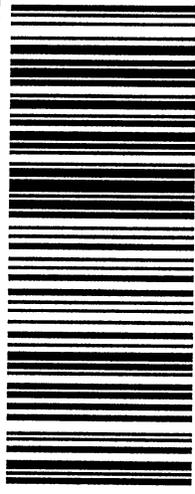
**Customers without a Daily Pickup**  
Take your package to any location of The UPS Store®, UPS Access Point™ location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To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

UPS Access Point™  
THE UPS STORE  
8417 OSWEGO RD  
BALDWINSVILLE, NY 13027

UPS Access Point™  
THE UPS STORE  
5701 E CIRCLE DR  
CICERO, NY 13039

UPS Access Point™  
MICHAELS STORE # 7774  
3483 W GENESEE ST  
SYRACUSE, NY 13219

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERPOOL, NY 130902934	<b>1 LBS</b>  DWT: 12.9,1	<b>1 OF 1</b>
<b>SHIP TO:</b> MARY YOUNG TOWN OF WESTPORT 110 MYRTLE AVE WESTPORT CT 06880-3514		
		
		
<b>CT 066 9-02</b>		
<b>UPS GROUND</b> TRACKING #: 1Z 9Y4 503 03 0908 5700		
		
BILLING: P/P		
GS 22.01.1, WNTNVS0 28.0A.04.2020		
		

UPS Campusship: View/Print Label

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

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

3. GETTING YOUR SHIPMENT TO UPS

Your driver will pickup your shipment(s) as usual.

Customers with a Daily Pickup

Customers without a Daily Pickup

Take your package to any location of The UPS Store®, UPS Access Point™(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of Campusship and select UPS Locations.

Schedule a same day or future day Pickup to have a UPS driver pickup all your Campusship packages. Hand the package to any UPS driver in your area.

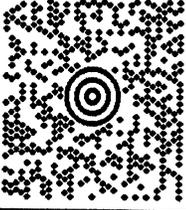
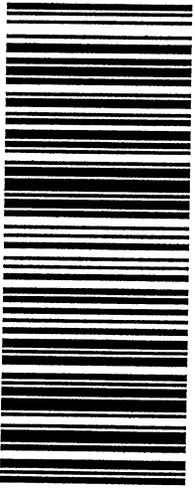
UPS Access Point™

THE UPS STORE  
8417 OSWEGO RD  
BALDWINVILLE, NY 13027

UPS Access Point™  
THE UPS STORE  
5701 E CIRCLE DR  
CICERO, NY 13039

UPS Access Point™  
MICHAELS STORE # 7774  
3483 W GENESEE ST  
SYRACUSE, NY 13219

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERMORE, NY 14090902934	<b>1 LBS</b> DWT: 12.9,1	<b>1 OF 1</b>
<b>SHIP TO:</b> JIM MARPE TOWN OF WESTPORT 110 MYRTLE AVE WESTPORT CT 06880-3514		
		
		
<b>CT 066 9-02</b>		
<b>UPS GROUND</b> TRACKING #: 1Z 9Y4 503 03 0014 4699		
		
BILLING: P/P		
CS 22.01.1. WNTNVS0 28.DA 04/2020		
		

UPS CampussShip: View/Print Label

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3. GETTING YOUR SHIPMENT TO UPS

Your driver will pickup your shipment(s) as usual.

Customers with a Daily Pickup

Customers without a Daily Pickup

Take your package to any location of The UPS Store®, UPS Access Point™ location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To find the location nearest you, please visit the Resources area of CampussShip and select UPS Locations.

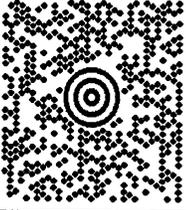
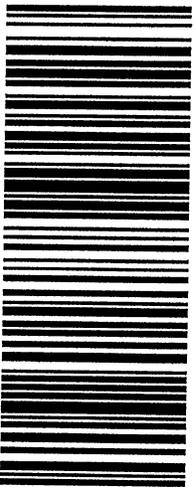
Schedule a same day or future day Pickup to have a UPS driver pickup all your CampussShip packages. Hand the package to any UPS driver in your area.

UPS Access Point™  
 THE UPS STORE  
 8417 OSWEGO RD  
 BALDWINVILLE, NY 13027

UPS Access Point™  
 THE UPS STORE  
 5701 E CIRCLE DR  
 CICERO, NY 13039

UPS Access Point™  
 MICHAELS STORE # 7774  
 3483 W GENESEE ST  
 SYRACUSE, NY 13219

FOLD HERE

ALLISON HEBEL 2155887035 CENTERLINE COMMUNICATIONS 59 BAYBERRY CIRCLE LIVERMORE, NY 14890902934	<b>1 LBS</b> DWT: 12.9,1	<b>1 OF 1</b>
<b>SHIP TO:</b> MELANIE A. BACHMAN CONNECTICUT SITTING COUNCIL 10 FRANKLIN SQUARE NEW BRITAIN CT 06051-2655		
		
		
<b>CT 067 9-06</b>		
<b>UPS GROUND</b> TRACKING #: 1Z 9Y4 503 03 1900 5689		
		
BILLING: P/P		
CS 22.0.1.1. WINTNVS0 28.0A.04/2020		
		