

**From:** Jason Blinkhorn <jblinkhorn@qualtekwireless.com>  
**Sent:** Tuesday, May 4, 2021 8:13 AM  
**To:** CSC-DL Siting Council <Siting.Council@ct.gov>; selectman@westportct.gov  
**Cc:** Siyuan Liu <sliu@qualtekwireless.com>; Karin Turner <kturner@qualtekwireless.com>; ATT Closeouts <attcloseouts@empiretelecomm.com>; New England Compliance <newenglandcompliance@empiretelecomm.com>; Michael Cypranowski <mcypranowski@qualtekwireless.com>; Corey Michaud <cmichaud@qualtekwireless.com>; Adam Trapani <atrapani@qualtekwireless.com>  
**Subject:** AT&T SITE CT2153 / CSC SITE **EM-CING-158-210218**

EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

CSC team,

Please see attached documents. We would like to start this project Monday 5-10-2021. Please let me know if anything else is needed.

Qualtek COP team,

Please note this site requires additional COP to complete.

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. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;
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.

**Compliance:**

CNTP (attached 10035241.PM101.210430)

RF NTP (attached 10035241.RS103.210430) – **ACTION REQUIRED – SEE BELOW COMMENTS & ATTACHED DOCUMENT FOR SPECIFICS**

EME (attached 10035241.RS100.210430) – **PASSING, NO ACTION**

Comments: 7C added to bundle - CDs have been updated, there is a separate RFDS for 7C. All docs uploaded to FN2051A0VFQC LTE 6C 700 UPPER D - FIRSTNET2051A0VB3V 5G 8502051A0VBRB RETRO 700 BC (SOFTWARE)2051A0XVTB - 7C- 700 DEAs agreed upon, RAN Construction shall ensure that an AT&T Caution 2B Sign 2B (8"x12") is posted at the base of the Monopole close to the climbing point. Caution Tower Sign is clearly visible and the USID info is written on the sign. Make sure to post the sign on the spot where it will not be obstructed. There should NOT be any other AT&T alerting signs "Info-1/Info-2/Caution-2/Caution-1/Notice-1/Notice-2" at the gates or any other area on the compound/property.

Thank You,

**Jason Blinkhorn** / Project Manager / 401-787-6007 / [jblinkhorn@qualtekwireless.com](mailto:jblinkhorn@qualtekwireless.com)  
16 Esquire Rd, N Billerica MA 01862  
125 Depot St, Bellingham, MA 02019



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**TOWN OF WESTPORT**  
**BUILDING PERMIT # 88193**  
**(MISCELLANEOUS)**

WESTPORT TOWN OF  
110 MYRTLE AVE  
WESTPORT, CT 06880

Plan Review: SJS

Issued on this date 4/30/2021, authorizes WESTPORT TOWN OF, to execute the following work:

AT&T MODIFICATIONS TO INCLUDE REPLACE 3 ANTENNAS, ADD 3 ADDL ANTENNAS, REPLACE 6 RRU'S, ADD 3 NEW RRU'S, ADD 1 SURGE ARRESTOR WITH ASSOCIATED CABLES ON EXISTING CELL TOWER. NO CHANGE TO TOWER HEIGHT OR COMPOUND. ENGINEERS TO SIGN OFF ON WORK.

on the premises at 515 POST RD E, in Westport, CT. in conformity with the Laws of the State of Connecticut and the State Building Code.

***WARNING ! Building Department or Building Official is to be notified when footings and foundation are ready for inspection. 24 hours is required before rough electrical, duct work, plumbing water test, chimneys, and frame are to be inspected. No electrical, plumbing, duct work, or chimneys are to be covered over until authorized by Building Official.***

The work authorized is confined within the limits of the plans filed with Building Official. Any changes in plans must be reviewed with the Building Official and permit must be updated.

**This permit shall be void if work thereunder is not commenced within 180 days from the date of issue or if operations are discontinued for a period over 180 days.**

Estimated Value of Work: \$25,000.00

*If work runs higher than this permit estimated value, additional permit must be applied for, or work is subject to be in violation and stopped by authority.*

Building Permit Fee:	\$275.00
Fire Department Administration Fee:	\$125.00
Education Tax:	\$6.50

Total Paid:            \$406.50    Check No.: 25902

The Building Official is to be notified upon completion of construction and a final inspection is to be conducted prior to the issuance of the State required CERTIFICATE OF OCCUPANCY.

Name, address and license # of Contractor:

EMPIRE TELECOM USA  
1150 FIRST AVENUE, STE 600  
KING OF PRUSSIA, PA 19406  
Phone: 215-588-7035  
LicenseType: MC

License No: 903244  
License Expiration: 06/30/2021

<b>"INFORMATION ONLY"</b> <b>OFFICIAL COPY ON FILE AT</b> <b>WESTPORT BUILDING</b> <b>DEPARTMENT</b>
---------------------------------------------------------------------------------------------------------------



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)

Web Site: [portal.ct.gov/csc](http://portal.ct.gov/csc)

**VIA ELECTRONIC MAIL**

March 22, 2021

Allison Hebel  
Site Acquisition Consultant  
Centerline Communications, LLC  
750 West Center Street, Ste 301  
West Bridgewater, MA 02379

RE: **EM-CING-158-210218** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 515 Boston Post Road East, Westport, Connecticut.

Dear Ms. Hebel:

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. The Council shall be notified in writing at least two weeks prior to the commencement of site construction activities;
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 February 17, 2021. 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 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,

*s/ Melanie A. Bachman*

Melanie A. Bachman  
Executive Director

MAB/IN/emr

c: The Honorable Jim Marpe, First Selectman, Town of Westport ([selectman@westportct.gov](mailto:selectman@westportct.gov))

**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: RRUS-E2 B29 (700) (TYP. OF 1 PER SECTOR, TOTAL OF 3).
- NEW AT&T RRUS: B14 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.
- ADD (3) Y-CABLES @ POS. 4 ON RRUS 4449.

ITEMS TO BE MOUNTED AT EQUIPMENT LOCATION:

- ADD (1) IDLe.
- ADD (1) 6630 FOR 5G.
- ADD (3) UP CONVERTERS FOR 4478 B14 IN EXISTING POWER PLANT.
- ADD (6) UP CONVERTERS FOR 4449 B5/B12 IN EXISTING POWER PLANT.
- MOVE BIAS-T TO UMTS LINES TO RETAIN UMTS RET CONTROL.

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, (3) DIPLEXERS, (2) SURGE ARRESTORS, (6) COAX CABLES, (4) DC POWER & (2) FIBER.

PTN: 2051A0VFQC, 2051A0VBRB, 2051A0VB3V, 2051A0XVTB  
 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

**DRAWING INDEX**

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A-2	ANTENNA LAYOUTS & ELEVATION	1
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**SITE NUMBER: CT2153**

**SITE NAME: WESTPORT FD**

**FA CODE: 10035241**

**PACE ID: MRCTB047223, MRCTB047293, MRCTB047231, MRCTB050123**

**PROJECT: LTE 6C\_5G NR\_7C 2021 UPGRADE**

**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**

**HGD 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

1	02/11/21	ISSUED FOR CONSTRUCTION	EB	AT	DPH
A	01/14/21	ISSUED FOR REVIEW	SG	AT	DPH
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: SG		

**AT&T**  
 Daniel P. Hamm  
 No. 24178  
 LICENSED PROFESSIONAL ENGINEER  
**TITLE SHEET**  
 LTE 6C\_5G NR\_7C 2021 UPGRADE  
 SITE NUMBER: CT2153  
 DRAWING NUMBER: T-1  
 REV: 1

**GROUNDING NOTES**

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

**GENERAL NOTES**

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

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

**BUILDING CODE: IBC 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**

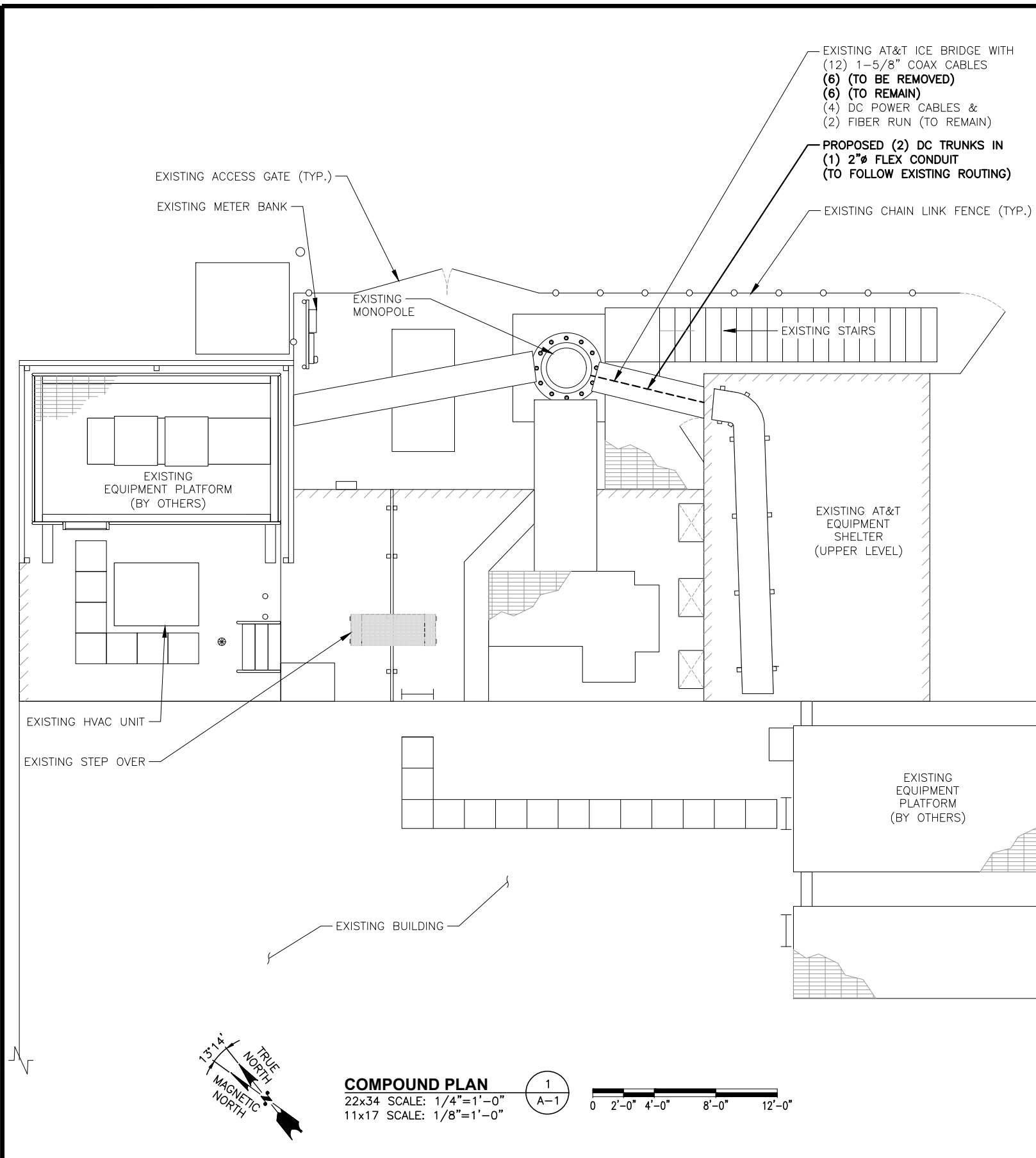
515 BOSTON POST ROAD EAST  
 WESTPORT, CT 06880  
 FAIRFIELD COUNTY



500 ENTERPRISE DRIVE, SUITE 3A  
 ROCKY HILL, CT 06067

				AT&T	
				GENERAL NOTES	
				LTE 6C_5G NR_7C 2021 UPGRADE	
NO.		DATE		REVISIONS	
SCALE:		DESIGNED BY:		DRAWN BY:	
AS SHOWN		AT		SG	
SITE NUMBER		DRAWING NUMBER		REV	
CT2153		GN-1		1	

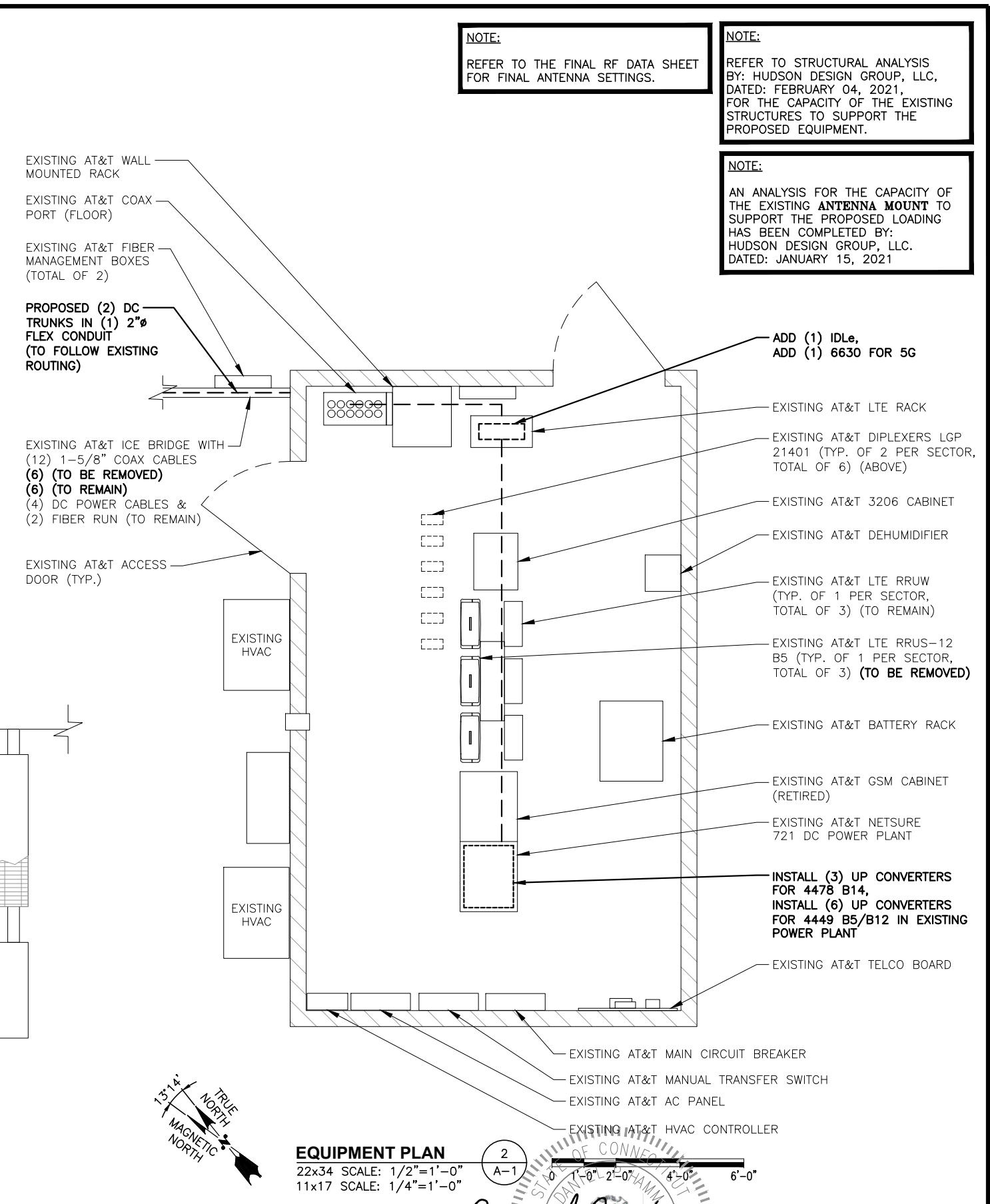
*Daniel P. Hamm*  
 No. 24178  
 LICENSED PROFESSIONAL ENGINEER



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

**NOTE:**  
 REFER TO STRUCTURAL ANALYSIS BY: HUDSON DESIGN GROUP, LLC, DATED: FEBRUARY 04, 2021, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

**NOTE:**  
 AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: JANUARY 15, 2021



**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

**HGD 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

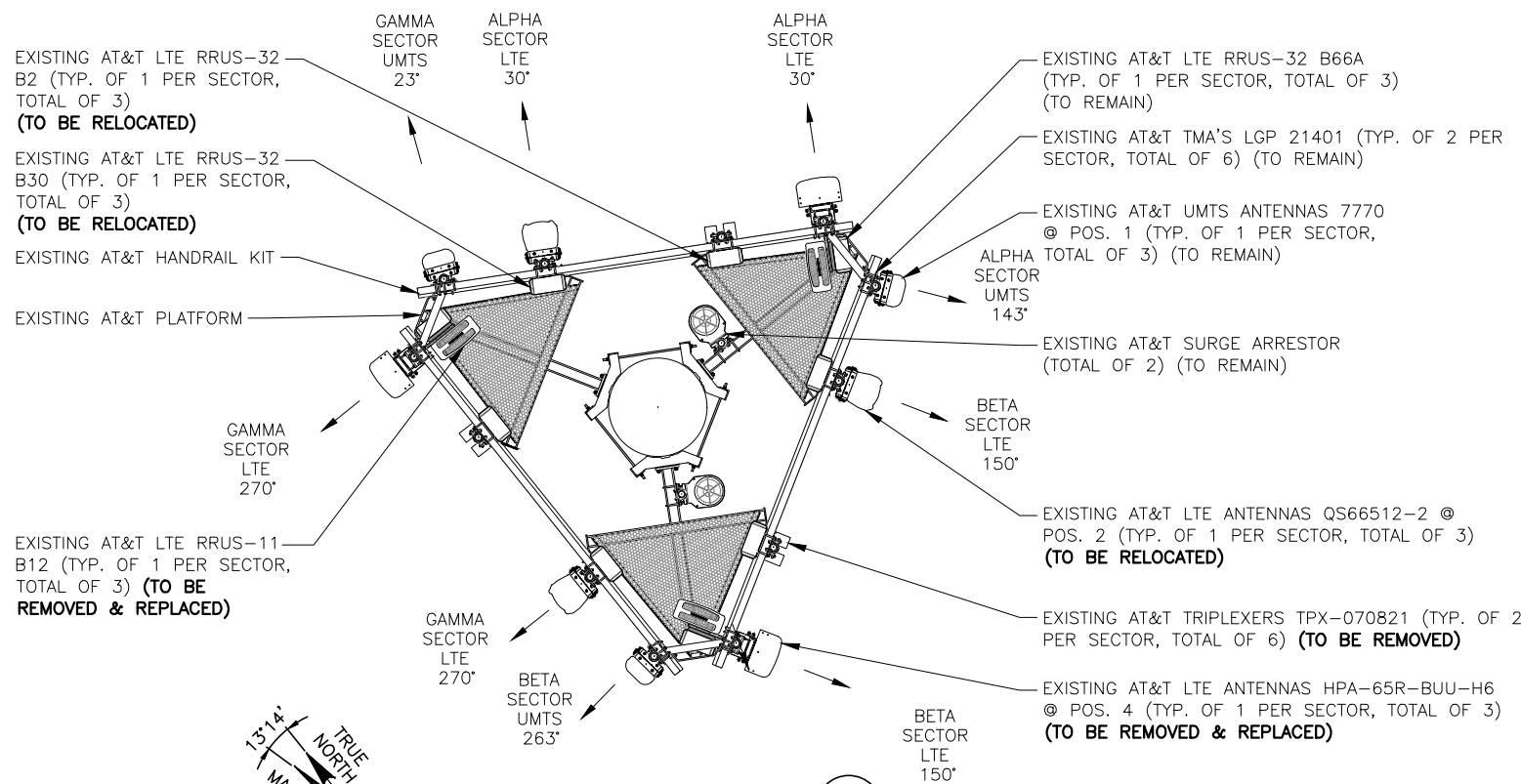
**SITE NUMBER: CT2153**  
**SITE NAME: WESTPORT FD**  
 515 BOSTON POST ROAD EAST  
 WESTPORT, CT 06880  
 FAIRFIELD COUNTY

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

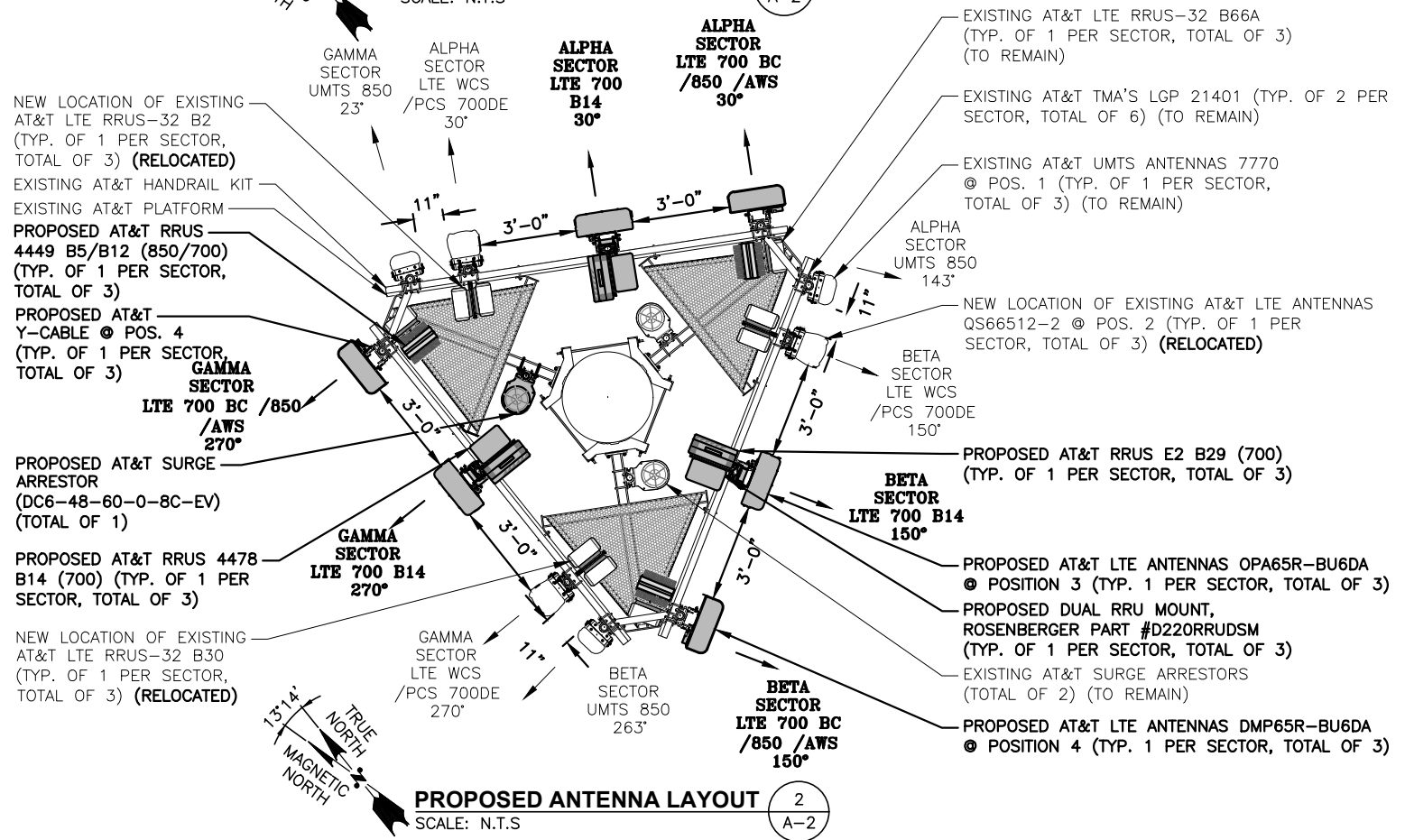
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A	01/14/21	ISSUED FOR REVIEW	SG	AT	DPH
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: SG		

**AT&T**  
**COMPOUND & EQUIPMENT PLANS**  
**LTE 6C\_5G NR\_7C 2021 UPGRADE**  
 SITE NUMBER: CT2153  
 DRAWING NUMBER: A-1  
 REV: 1





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

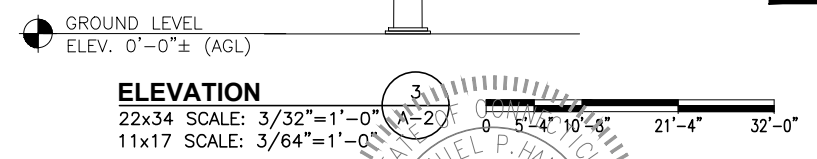
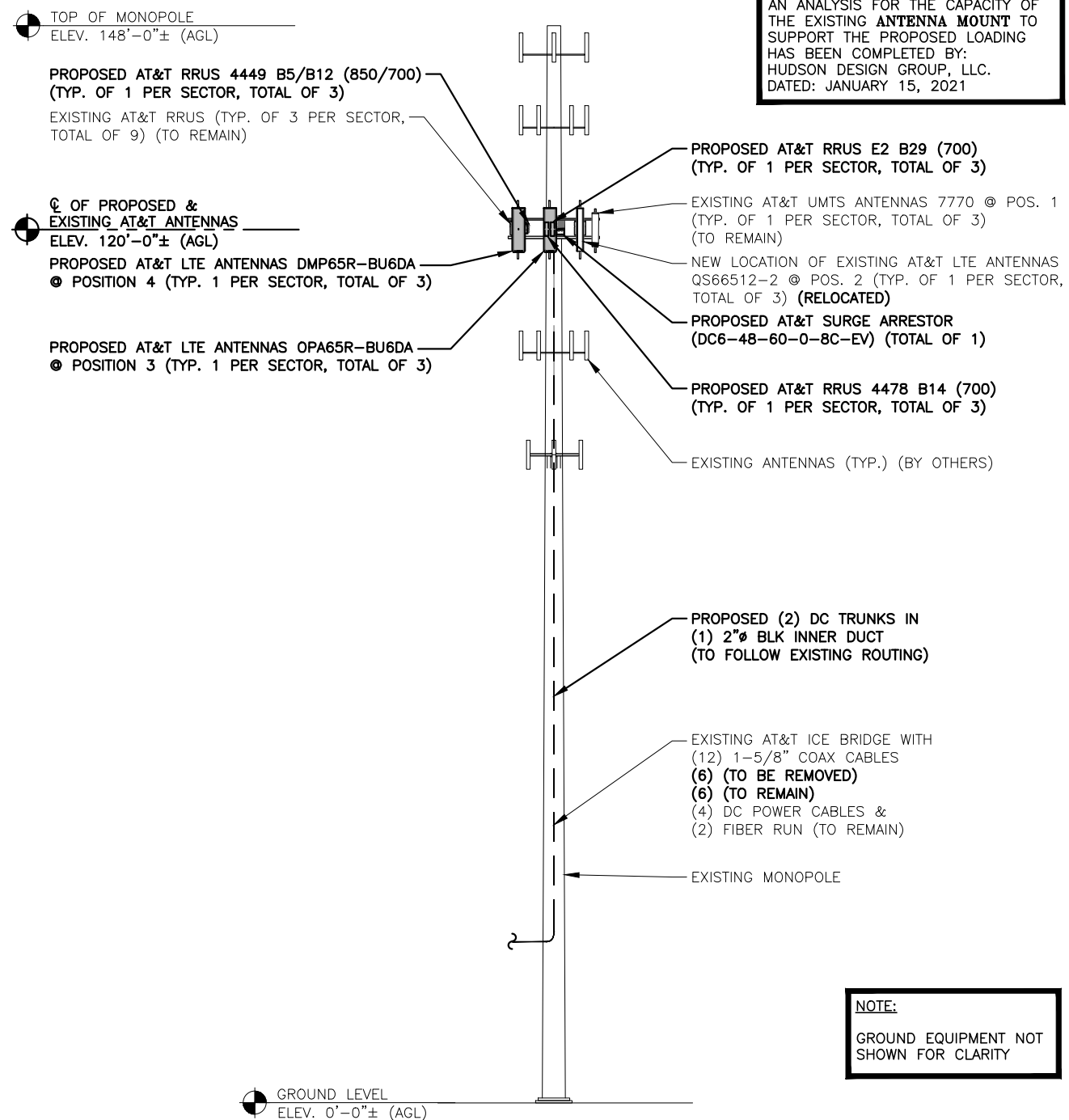


**PROPOSED ANTENNA LAYOUT**  
SCALE: N.T.S.

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

**NOTE:**  
REFER TO STRUCTURAL ANALYSIS BY: HUDSON DESIGN GROUP, LLC, DATED: FEBRUARY 04, 2021, FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT.

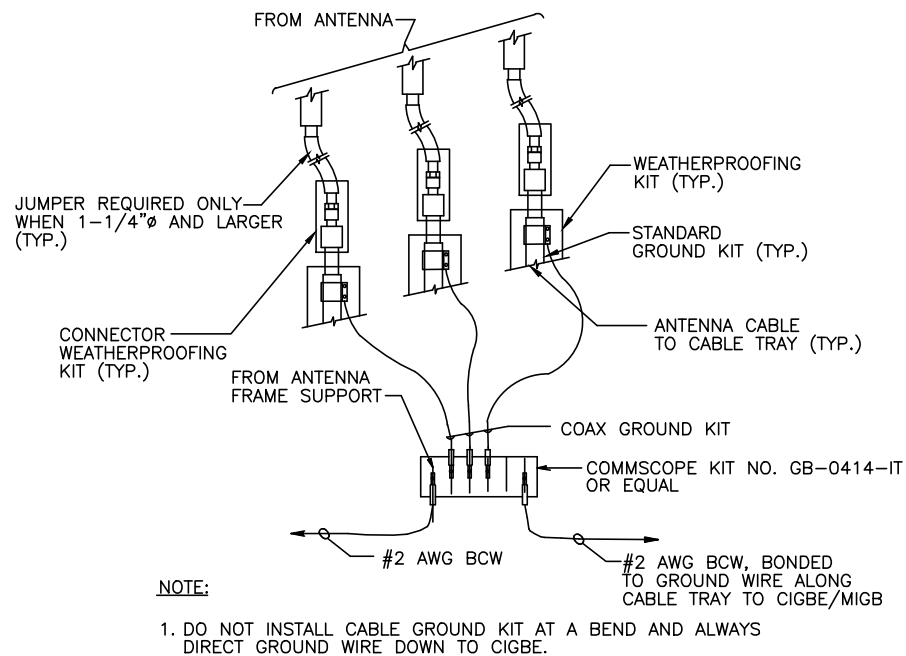
**NOTE:**  
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING ANTENNA MOUNT TO SUPPORT THE PROPOSED LOADING HAS BEEN COMPLETED BY: HUDSON DESIGN GROUP, LLC. DATED: JANUARY 15, 2021



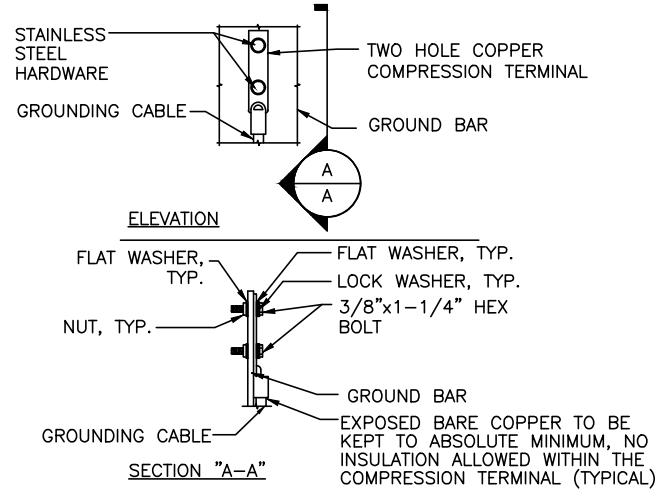
**NOTE:**  
GROUND EQUIPMENT NOT SHOWN FOR CLARITY

1	02/11/21	ISSUED FOR CONSTRUCTION	EB	AT	DPH
A	01/14/21	ISSUED FOR REVIEW	SG	AT	DPH
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: SG		



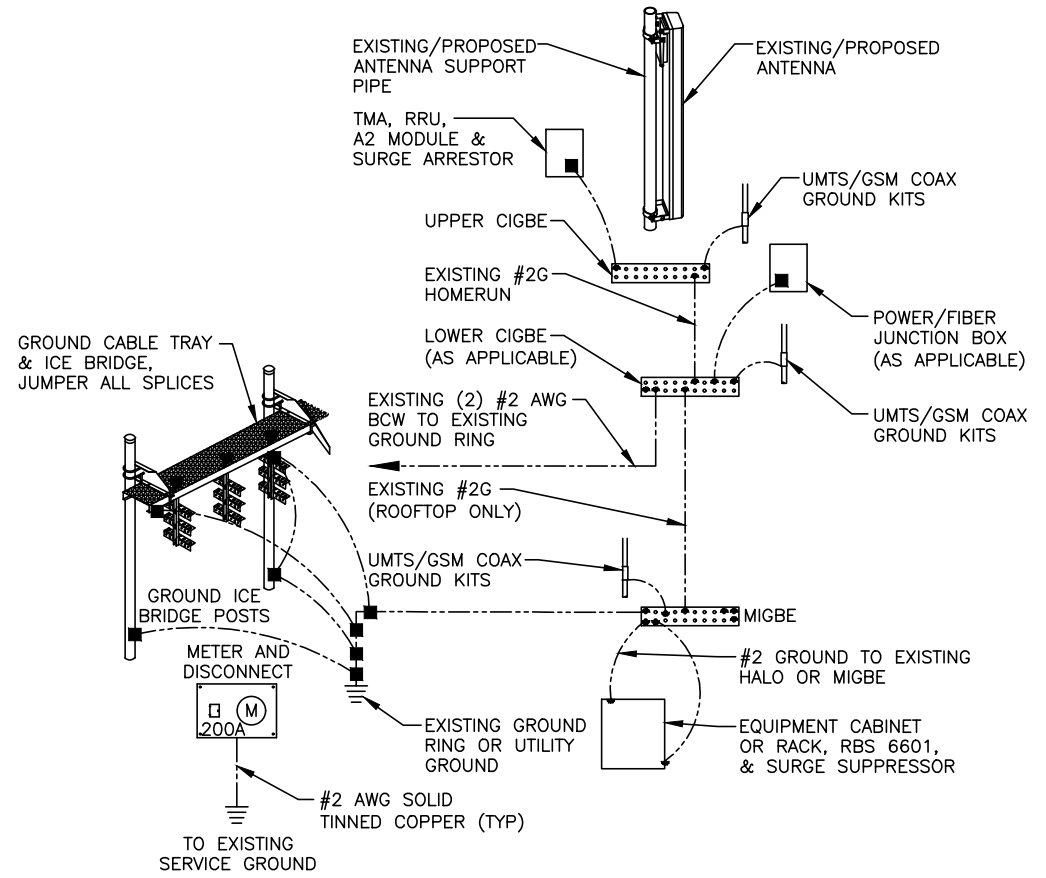


**GROUND WIRE TO GROUND BAR CONNECTION DETAIL** 1  
SCALE: N.T.S. G-1



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

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



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

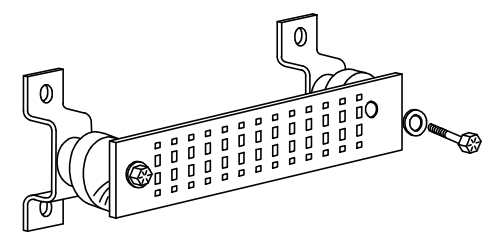
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

**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)

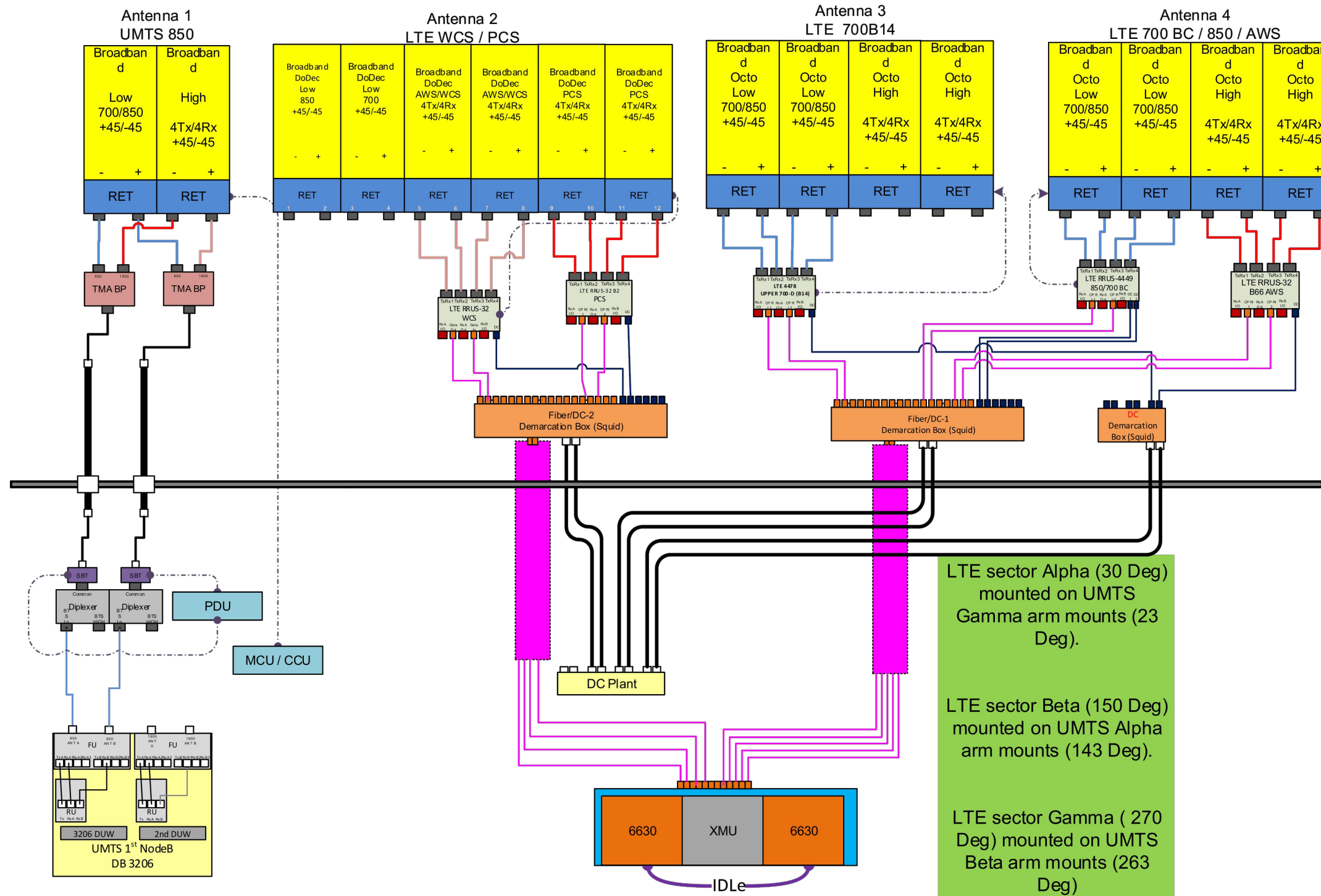


**GROUND BAR - DETAIL (AS REQUIRED)**  
SCALE: N.T.S.

1	02/11/21	ISSUED FOR CONSTRUCTION	EB	AT	DPH
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NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: AT	DRAWN BY: SG		

*Daniel P. Hamm*  
No. 24178  
LICENSED PROFESSIONAL ENGINEER

AT&T	
GROUNDING DETAILS	
LTE 6C_5G_NR_7C 2021 UPGRADE	
SITE NUMBER	DRAWING NUMBER
CT2153	G-1
REV	1



LTE sector Alpha (30 Deg) mounted on UMTS Gamma arm mounts (23 Deg).

LTE sector Beta (150 Deg) mounted on UMTS Alpha arm mounts (143 Deg).

LTE sector Gamma (270 Deg) mounted on UMTS Beta arm mounts (263 Deg).

**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 / RF-1  
 SCALE: N.T.S

<p>45 BEECHWOOD DRIVE NORTH ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 336-5586</p>	<p>750 WEST CENTER STREET, SUITE #301 WEST BRIDGEWATER, MA 02379</p>	<p><b>SITE NUMBER: CT2153</b>  <b>SITE NAME: WESTPORT FD</b>          515 BOSTON POST ROAD EAST          WESTPORT, CT 06880          FAIRFIELD COUNTY</p>	<p>500 ENTERPRISE DRIVE, SUITE 3A ROCKY HILL, CT 06067</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>BY</th> <th>CHK</th> <th>APP'D</th> </tr> <tr> <td>1</td> <td>02/11/21</td> <td>ISSUED FOR CONSTRUCTION</td> <td>EB</td> <td>AT</td> <td>DPH</td> </tr> <tr> <td>A</td> <td>01/14/21</td> <td>ISSUED FOR REVIEW</td> <td>SG</td> <td>AT</td> <td>DPH</td> </tr> </table>	NO.	DATE	REVISIONS	BY	CHK	APP'D	1	02/11/21	ISSUED FOR CONSTRUCTION	EB	AT	DPH	A	01/14/21	ISSUED FOR REVIEW	SG	AT	DPH	<p>SCALE: AS SHOWN    DESIGNED BY: AT    DRAWN BY: SG</p>	<p>AT&amp;T</p> <p>RF PLUMBING DIAGRAM          LTE 6C_5G_NR_7C 2021 UPGRADE</p> <table border="1"> <tr> <th>SITE NUMBER</th> <th>DRAWING NUMBER</th> <th>REV</th> </tr> <tr> <td>CT2153</td> <td>RF-1</td> <td>1</td> </tr> </table>	SITE NUMBER	DRAWING NUMBER	REV	CT2153	RF-1	1
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