From: Jason Blinkhorn < jblinkhorn@qualtekwireless.com>

Sent: Thursday, May 6, 2021 12:38 PM

To: CSC-DL Siting Council <Siting.Council@ct.gov>; kcunninghamselectman@plainfieldct.org

**Cc:** Corey Michaud <cmichaud@qualtekwireless.com>; Michael Cypranowski

<mcypranowski@qualtekwireless.com>; John Centore <jcentore@qualtekwireless.com>; Siyuan Liu

<sliu@qualtekwireless.com>; Karin Turner <kturner@qualtekwireless.com>; ATT Closeouts

<attcloseouts@empiretelecomm.com>; New England Compliance

<newenglandcompliance@empiretelecomm.com>

Subject: ATT SITE CT2051 CSC SITE EM-CING-109-210308

CSC team,

Can we please request NTP for 6-1 start for this AT&T project.

Qualtek COP team,

Please note CSC requires additional COP deliverables for this site.

Thank You,

Jason Blinkhorn / Project Manager / 401-787-6007 / jblinkhorn@qualtekwireless.com 16 Esquire Rd, N Billerica MA 01862 125 Depot St, Bellingham, MA 02019



Disclaimer: This email is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you received this communication in error, please do not distribute it and notify us immediately by email (administrator@qualtekservices.com) or via telephone (484.804.4500) and delete the original message. Unless expressly stated in this email, nothing in this message or any attachment should be construed as a digital or electronic signature.



**Building Permit Fee:** 

#### TOWN OF PLAINFIELD

BUILDING DEPARTMENT

8 Community Avenue, Plainfield, CT 06374 Tele: 860-230-3012 Fax: 860-230-3033 building@plainfieldct.org

Call for the Required or Final Inspections at 860-230-3012

### **BUILDING PERMIT**

DATE: March 17, 2021			
PROJECT ADDRESS: 45 Spaulding Road, Cell	Tower	Map/Block/Lot: <u>025 / 0036 /</u>	027A
PROPERTY OWNER: American Tower Corpora	tion	PHONE:	
OWNER ADDRESS: 10 Presidential Way, Wobu	ırn, MA 01801		, <b>3</b> °
APPLICANT: AT&T Mobility, c/o Centerline Comm	nunications, attn: Jennifer Iliades	PHONE: <u>978-944-1804</u>	
EMAIL: _ jiliades@clinellc.com			
DESCRIPTION OF CONSTRUCTION: AT&T proposes equipment upgrades to its existing telecom	amunications facility on the existing tower	including removing six (6) antenna	s adding nine (9) antennas.
removing six (6) remote radio units ("RRU"), adding twelv as more particularly detailed and described in the enclosed centerline height of the existing antennas is and will remain described in the enclosed Structural Modification Drawings	re (12) RRU, removing six (6) diplexers, re Construction Drawings prepared by A.T. I a at 154 feet. AT&T will also be conducting	emoving six (6) coax, adding one (1) Engineering Service, PLLC, last reving Structural Modifications as more	surge arrestor and feedlines sed July 22, 2020. The
Estimated Cost: \$_88,934	_		
CONTRACTOR: QualTek Wireless			
ELECTRICIAN:			
PLUMBING:	LICENSE #:	PHONE:	
HEATING:	LICENSE #:	PHONE:	
CONCRETE SUPPLIER:	CONCRETE CONTR	ACTOR:	
WORKERS COMPENSATION INSURANCE of not applicable, please fill out a Worke			e or in the office.
I hereby certify that:  I am the owner of record of the named propbeen authorized to make this application as an ordinances. All information contained within is	erty or 🛛 the proposed work is a authorized agent, and we agree to	outhorized by the owner of re o conform to all applicable la	ecord and/or I have ws, regulations and
Applicant(Printed Name) Centerline Communication	ations, as agent for AT&T Mobility	governor - i	consistent and analysis of the contract of the
Applicant Signature: Jennifer Iliades, Site Acquisi	Date: 3/1	unications	
Building Official: APPROVED	Date: 4	76121	APR 0 6 2021
Fire Marshall (if applicable): Office Use only:	Date:	By	
BUILDING PERMIT #: B2021-549	79 Date Issued: 4/6/	كل Pe	rmit Fee: \$ 937, 00
Use Group: B	Construction Type: B	Тах	es Paid: yes
Building Permit Fee: See Fee Schedule			

### **Jennifer Iliades**

From: Rick Martel <rmartel@plainfieldct.org>
Sent: Thursday, March 25, 2021 1:13 PM

**To:** Jennifer Iliades

**Subject:** permit

Cost of permit is 937.00 When payment is received I can finalize permit. Thanks

Richard Martel Town of Plainfield Building Office P:860-230-3012 F:860-230-3033 TOWN OF PLAINFIELD

Check: 25702

Date: 3/26/2021

Vendor: 0

<u>Invoice</u> 517914-003-1 CT2051	P.O. Num.	Invoice Amt 937.00	Prior <u>Balance</u> 937.00	Retention 0.00	Discount 0.00	<u>Amt. Paid</u> 937.00
C12031		937.00	937.00	0.00	0.00	937.00

**Centerline Communications LLC** 

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

53-447/113

DATE

3/26/2021

25702

025702

Security features. Details on back

a

**AMOUNT** 

\*\*\*\*\*\*\*937.00

TO THE ORDER

PAY

TOWN OF PLAINFIELD

VOID AFTER 90 DAYS

licecu

#O 2570 2# #O 11304478# 2922009879#

**Centerline Communications LLC** 

025702

TOWN OF PLAINFIELD

Check: 25702

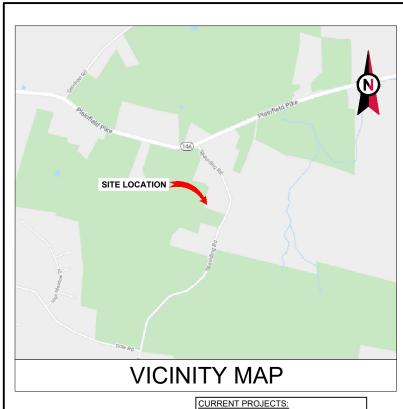
Date: 3/26/2021

Vendor: 0

<u>Invoice</u> 517914-003-1 CT2051	<u>P.O. Num.</u>	Invoice Amt 937.00	Balance 937.00	Retention 0.00	Discount 0.00	<u>Amt. Paid</u> 937.00
C12031		937.00	937.00	0.00	0.00	937.00

Drior

PRODUCT CE1011S



LTE 5C - PACE #: MRCTB046850 4TX4RX - PACE #: MRCTB046859 4TX4RX - PACE #: MRCTB046857 5G NR 1DR-1 - PACE #: MRCTB046795 LTE 3C - PACE #: MRCTB046596 LTE 4C - PACE #: MRCTB046885



### AMERICAN TOWER®

ATC SITE NAME: PLAINFIELD CT 6

ATC SITE NUMBER: 302498

AT&T PACE NUMBER: MRCTB046850

AT&T SITE ID: CTL02051 AT&T FA CODE:10035013

AT&T SITE NAME: PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD

PLAINFIELD, CT 06374-1824

AT&T MOBILITY PLAN: LTE 5C/3C/4C, 4TX4RX, 5G NR 1DR-1

AT&T MOBILITY ANTENNA AMENDMENT PLAN



#### **COMPLIANCE CODE** PROJECT SUMMARY PROJECT DESCRIPTION SHEET INDEX SHEET THE PROPOSED PROJECT INCLUDES MODIFYING GROUND BASED ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED SITE ADDRESS: DESCRIPTION REV: DATE: BY: AND TOWER MOUNTED EQUIPMENT AS INDICATED PER BELOW: IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE 45 SPAULDING ROAD FOLLOWING CODES AS ADOPTED BY THE LOCAL TOWER WORK: G-001 TITLE SHEET 0 07/22/20 DB GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS REMOVE (3) POWERWAVE 7770 ANTENNA(S), (1) ANDREW PLAINFIELD, CT 06374-1824 TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO SBNH-1D6565C ANTENNA, (2) KMW AM-X-CD-17-65-00T-RET G-002 **GENERAL NOTES** 0 07/22/20 DB ANTENNA(S), (6) POWERWAVE / LGP 21901 DIPLEXER(S), (3) COUNTY: WINDHAM RRUS-12 B2 RRH(S), (3) RRUS-11 B12 RRH(S), AND (6) GSM COAX C-001 OVERALL SITE PLAN Ω 07/22/20 DB 1. 2018 INTERNATIONAL BUILDING CODE (IBC) **GEOGRAPHIC COORDINATES:** 2. 2020 NATIONAL ELECTRIC CODE (NEC) C-101 DETAILED SITE PLAN 07/22/20 DB 0 INSTALL (3) CCI HPA65R-BU8A ANTENNA(S), (3) CCI OPA65R-BU8DA LATITUDE: 41.67480556 3. LOCAL BUILDING CODE ANTENNA(S), (3) CCI DMP65R-BU8DA ANTENNA(S), (3) 4415 B30 C-201 TOWER ELEVATION 0 07/22/20 DB 4. CITY/COUNTY ORDINANCES LONGITUDE: -71.8791 RRH(S), (3) 4478 B14 RRH(S), (3) 4449 B5/B12 RRH(S), (3) 8843 B2/B66A RRH(S), (1) UMTS RET, (2) 2" FLEX CONDUIT(S), (1) SQUID(S) GROUND ELEVATION: 560' AMSL DB C-401 RF SCHEDULE AND ANTENNA INSTALLATION 07/22/20 (2) #6 DC TRUNK(S), AND (1) 18 PAIR FIBER TRUNK(S) EXISTING (3) ANTENNA(S), (6) TMA, (1) SQUID(S) AND (6) GSM COAX C-501 CONSTRUCTION DETAILS 0 07/22/20 DB C-502 **EQUIPMENT SPECIFICATIONS** 0 07/22/20 DB E-501 GROUNDING DETAILS 0 07/22/20 DB **GROUND WORK:** INSTALL (2) 6630, (1) IDLE, (1) FIBER MANAGEMENT BOX, (1) DC12, PROJECT TEAM R-601 SUPPLEMENTAL 0 07/22/20 DB (2) BREAKER PANELS. AND (1) UMTS RET HOMERUN DB R-602 SUPPLEMENTAL 0 07/22/20 TOWER OWNER: APPLICANT: **PROJECT NOTES** R-603 SUPPLEMENTAL 07/22/20 DB AMERICAN TOWER AT&T MOBILITY 10 PRESIDENTIAL WAY DB R-604 SUPPLEMENTAL 0 07/22/20 WOBURN, MA 01801 THE FACILITY IS UNMANNED. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE UTILITY COMPANIES A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. ENGINEER: THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND POWER COMPANY: C. L.& P. DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE. INFINIGY ENGINEERING PLLC PHONE: (800) 286-2000 NO SANITARY SEWER POTABLE WATER OR TRASH 1211 SR 436, SUITE 101 DISPOSAL IS REQUIRED. TELEPHONE COMPANY: AT&T CASSELBERRY, FL 32707 HANDICAP ACCESS IS NOT REQUIRED. PHONE: (800) 288-2020 OFFICE: 407-278-6750 PROJECT LOCATION DIRECTIONS PROPERTY OWNER: T6 UNISON SITE MANAGEMENT LLC PO BOX 75655 FROM BOSTON - 190 WEST TO 1395 SOUTH TO EXIT 88 AND BALTIMORE - MD - 21275 TURN LEFT ON TO RT 14A FAST, FOLLOW AND THEN TURN RIGHT ONTO SPAULDING RD. SITE WILL BE UP ON THE RIGHT. Know what's below. Call before you dig.



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100

**CARY, NC 27518** PHONE: (919) 468-0112 COA: PEC.0001553

# **INFINIGY**§

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<i>∕</i> 0\	CONSTRUCTION	DB	07/22/20
$\overline{\wedge}$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

#### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD. CT 06374-1824





	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
	CUSTOMER #:	10035013

TITLE SHEET

SHEET NUMBER

REVISION G-001

#### **GENERAL CONSTRUCTION NOTES:**

- OWNER FURNISHED MATERIALS, AT&T MOBILITY "THE COMPANY" WILL PROVIDE AND THE 22. CONTRACTOR WILL INSTALL
- A. BTS EQUIPMENT FRAME (PLATFORM) AND ICEBRIDGE SHELTER (GROUND BUILD/CO-LOCATE ONLY)
- AC/TELCO INTERFACE BOX (PPC)
- ICE BRIDGE (CABLE TRAY WITH COVER) (GROUND BUILD/CO-LOCATE ONLY, GC TO FURNISH AND INSTALL FOR ROOFTOP INSTALLATION)
- D. TOWERS, MONOPOLES
- TOWER LIGHTING
- GENERATORS & LIQUID PROPANE TANK
- ANTENNA STANDARD BRACKETS, FRAMES AND PIPES FOR MOUNTING
- ANTENNAS (INSTALLED BY OTHERS)
- TRANSMISSION LINE
- TRANSMISSION LINE JUMPERS
- TRANSMISSION LINE CONNECTORS WITH WEATHERPROOFING KITS
- TRANSMISSION LINE GROUND KITS
- HANGERS
- HOISTING GRIPS
- O. BTS EQUIPMENT
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL OTHER MATERIALS FOR THE COMPLETE INSTALLATION OF THE SITE INCLUDING, BUT NOT LIMITED TO, SUCH
  MATERIALS AS FENCING, STRUCTURAL STEEL SUPPORTING SUB-FRAME FOR PLATFORM ROOFING LABOR AND MATERIALS GROUNDING RINGS GROUNDING WIRES COPPER-CLAD OR XIT CHEMICAL GROUND ROD(S), BUSS BARS, TRANSFORMERS AND DISCONNECT SWITCHES WHERE APPLICABLE, TEMPORARY ELECTRICAL POWER, CONDUIT, LANDSCAPING COMPOUND STONE, CRANES, CORE DRILLING, SLEEPERS AND RUBBER MATTING, REBAR, CONCRETE CAISSONS, PADS AND/OR AUGER MOUNTS,
  MISCELLANEOUS FASTENERS, CABLE TRAYS, NON-STANDARD ANTENNA FRAMES AND ALL OTHER MATERIAL AND LABOR REQUIRED TO COMPLETE THE JOB ACCORDING TO THE DRAWINGS AND SPECIFICATIONS. IT IS THE POSITION OF AT&T MOBILITY TO APPLY FOR PERMITTING AND CONTRACTOR RESPONSIBLE FOR PICKUP AND PAYMENT OF
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH ATC CONSTRUCTION
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS 32.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED 33. FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING,
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC, BEFORE COMMENCING WORK
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE AT&T MOBILITY REP PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE AT&T MOBILITY REP PRIOR TO
- EACH CONTRACTOR SHALL COOPERATE WITH THE AT&T MOBILITY REP, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE AT&T MOBILITY REP AND ENGINEER OF RECORD
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH AMERICAN TOWER CORPORATION (ATC) AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH AT&T MOBILITY AND AMERICAN TOWER CORPORATION (ATC) WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL 2. ALL EXTERIOR #6 GREED GROUND WIRE "DAISY CHAIN" CONNECTIONS ARE TO BE

- ALL ITEMS PROVIDED.
- PRIOR TO SUBMISSION OF BID. CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY REP TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY CONTRACTOR. ALL
  REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID
- 23. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO AT&T MOBILITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 25. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT
- 27. CONTRACTOR SHALL NOTIFY AT&T MOBILITY REP A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING TRENCH BOXES/SLOPING, BARRIERS, ETC.
- THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES. FITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
- 30. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE AT&T MOBILITY REP. ANY WORK FOUND BY THE AT&T MOBILITY, REP TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS
- IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAETER BY MANUFACTURER'S NAMES AND/OF MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS
- AT&T MOBILITY FURNISHED EQUIPMENT SHALL BE PICKED-UP AT THE AT&T MOBILITY WAREHOUSE, NO LATER THAN 48HR AFTER BEING NOTIFIED INSURED, STORED, UNCRATE, PROTECTED AND INSTALLED BY THE CONTRACTOR WITH ALL APPURTENANCES REQUIRED TO PLACE THE EQUIPMENT IN OPERATION, READY FOR USE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EQUIPMENT AFTER PICKING IT
- AT&T MOBILITY OR HIS ARCHITECT/ENGINEER RESERVES THE RIGHT TO REJECT ANY FOLIPMENT OR MATERIALS WHICH, IN HIS OWN OPINION ARE NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, EITHER BEFORE OR AFTER INSTALLATION AND THE EQUIPMENT SHALL BE REPLACED WITH EQUIPMENT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE CONTRACTOR AT NO COST TO AT&T MOBILITY OR THEIR ARCHITECT/ENGINEER

### SPECIAL CONSTRUCTION ANTENNA INSTALLATION NOTES:

- WORK INCLUDED
  - ANTENNA AND COAXIAL CABLES ARE FURNISHED BY AT&T MOBILITY UNDER A SEPARATE CONTRACT. THE CONTRACTOR SHALL ASSIST ANTENNA INSTALLATION CONTRACTOR IN TERMS OD COORDINATION AND SITE ACCESS. ERECTION SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF
  - B. INSTALL ANTENNA AS INDICATE ON DRAWINGS AND AT&T MOBILITY
  - C. INSTALL GALVANIZED STEEL ANTENNA MOUNTS AS INDICATED ON DRAWINGS
  - D. INSTALL FURNISHED GALVANIZED STEEL OR ALUMINUM WAVEGUIDE AND PROVIDE PRINTOUT OF THAT TEST.
  - E. CONTRACTOR SHALL PROVIDE FOUR (4) SETS OF SWEEP TESTS USING ANRITZU-PACKARD 8713B RF SCALAR NETWORK ANALYZER. SUBMIT FREQUENCY DOMAIN REFLECTOMETER(FDR) TESTS RESULTS TO THE PROJECT MANAGER. SWEEP TESTS SHALL BE AS PER ATTACHED RES "MINIMUM FIELD TESTING RECOMMENDED FOR ANTENNA AND HELIAX COAXIAL CABLE SYSTEMS" DATED 10/5/93. TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING SERVICE AND BE BOUND AND SUBMITTED WITHIN ONE WEEK OF WORK COMPLETION.
  - INSTALL COAXIAL CABLES AND TERMINATING BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. WEATHERPROOF ALL CONNECTIONS RETWEEN THE ANTENNA AND FOLIPMENT PER MANUFACTURER'S REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE (3) FEET IN EXCESS OF ENTRY PORT LOCATION UNLESS OTHERWISE STATED.
  - G. ANTENNA AND COAXIAL CABLE GROUNDING:

WEATHER SEALED WITH RFS CONNECTORS/SPLICE WEATHERPROOFING KIT #221213 OR

ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

> ALL DISCREPANCIES FROM WHAT IS SHOWN ON THESE CONSTRUCTION DRAWINGS SHALL BE COMMUNICATED TO ATC ENGINEERING IMMEDIATELY FOR CORRECTION OR RE-DESIGN. FAILURE TO COMMUNICATE DIRECTLY WITH ATC ENGINEERING OR ANY CHANGES FROM THE DESIGN CONDUCTED WITHOUT PRIOR APPROVAL FROM ATC ENGINEERING SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.



A.T. ENGINEERING SERVICE. PLLC 3500 REGENCY PARKWAY SUITE 100

**CARY, NC 27518** PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY 8

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<u> </u>	CONSTRUCTION	_DB	07/22/20
$\triangle$ _			
$\overline{\wedge}$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824





DATE DRAWN: | 07/02/20 ATC JOB NO: 13211930 G3 CUSTOMER ID: PLAINFIELD-SPAULDING RD CUSTOMER #: 10035013

**GENERAL NOTES** 

SHEET NUMBER:

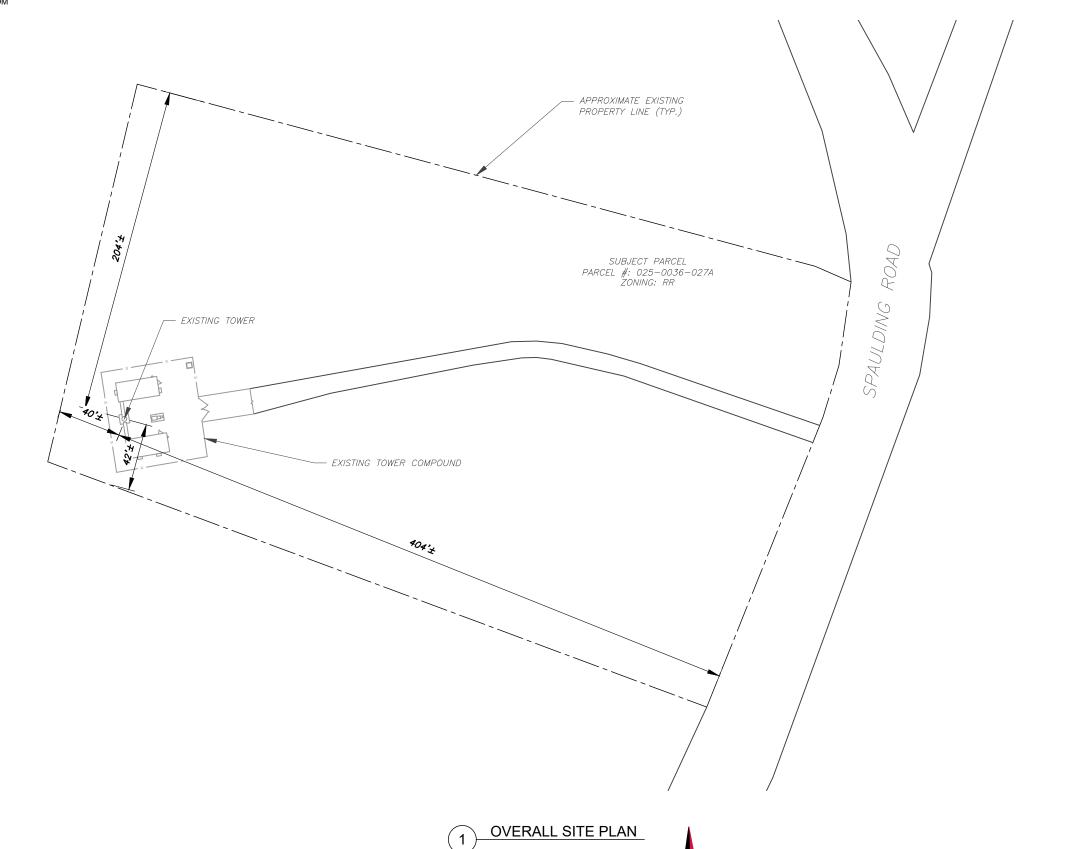
REVISION

G-002

#### NOTES:

- BOUNDARY LINES OBTAINED FROM WINDHAM COUNTY ONLINE GIS.
- 2. ZONING INFORMATION OBTAINED FROM WINDHAM COUNTY

INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON PROVIDED INFORMATION. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.



SCALE: 1"=60' (11X17) 1"=30' (22X34)



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY

3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY & ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
$ \triangle$ _	PRELIM	<u>IB</u>	07/02/20
$ _{\triangle}$ _	CONSTRUCTION	_DB_	07/22/20
$\triangle_{-}$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

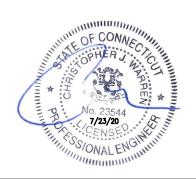
PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL





	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
ı	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
l	CUSTOMER #:	10035013

OVERALL SITE PLAN

SHEET NUMBER:

REVISION:

C-001

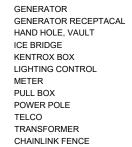
#### SITE PLAN NOTES:

TRN

- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIFY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT.
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY, CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.

#### LEGEND

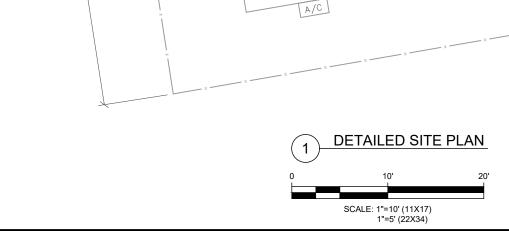
GROUNDING TEST WELL ATS AUTOMATIC TRANSFER SWITCH **BOLLARD** CSC CELL SITE CABINET D DISCONNECT ELECTRICAL **FIBER** GEN GENERATOR GENERATOR RECEPTACAL HH, V HAND HOLE, VAULT ΙB ICE BRIDGE KENTROX BOX LC LIGHTING CONTROL M METER РΒ PULL BOX PΡ POWER POLE TELCO.



PROPOSED (1) FIBER

#### PROPOSED CABLE LENGTH:

- ESTIMATED LENGTH OF PROPOSED CABLE IS <u>188'</u>. ESTIMATED LENGTH OF CABLE WAS PROVIDED BY CUSTOMER OR CALCULATED BY ADDING THE RAD CENTER AND THE DISTANCE FROM THE SHELTER ENTRY PLATE TO THE TOWER (ALONG THE ICE BRIDGE) AND A SAFETY FACTOR MEASUREMENT OF 15% (OF THE TWO PREVIOUS VALUES), CDS DEFER TO GREATEST CABLE LENGTH.
- ROUTE PROPOSED CABLES ALONG SAME PATH AS EXISTING CABLES AND IN ACCORDANCE WITH STRUCTURAL ANALYSIS. IF ADEQUATE SPACE EXISTS, ROUTE CABLES THROUGH ENTRY PORT HOLE, UP INSIDE OF MONOPOLE, AND THROUGH EXIT PORT HOLE. IF ROUTING OUTSIDE THE MONOPOLE, ATTACH CABLES USING STAND-OFF ADAPTERS MOUNTED TO TOWER USING STAINLESS STEEL BANDING. ADEQUATELY SECURE CABLES USING EITHER APPROPRIATELY SIZED STAINLESS STEEL SNAP-INS OR MOUNTING HARDWARE AND BRACKETS AS SPECIFIED BY CABLE MANUFACTURER.



MONOPOLE

AT&T MOBILITY 12' X 26' SHELTER

PROPOSED

ON THIS PAGE)

(6) 1 5/8" COAX CABLES

(TO BE REMOVED)

(TO REMAIN)

(2) 8AWG 6 CONTROL CABLES

(ROUTED PER TOWER NOTE 2)

EXISTING (9) 1 5/8" COAX CABLES

LESSEE/USER

12' X 26' SHELTER

REFER TO PROPOSED CABLE LENGTH NOTE

(1) 18 PAIR FIBER TRUNK



PROPOSED

(2) BREAKER PANELS

(1) UMTS RET HOMERUN

TO BE INSTALLED INSIDE AT&T MOBILITY SHELTER

(2) 6630

(1) IDLE

TRN

INFORMATION CONTAINED WITHIN THESE DRAWINGS IS BASED ON PROVIDED INFORMATION. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.

8' CHAIN LINK FENCE WITH

BARBED WIRE



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 **CARY, NC 27518** PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY8

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<u> </u>	CONSTRUCTION	DB_	07/22/20
$\triangle$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

### PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824





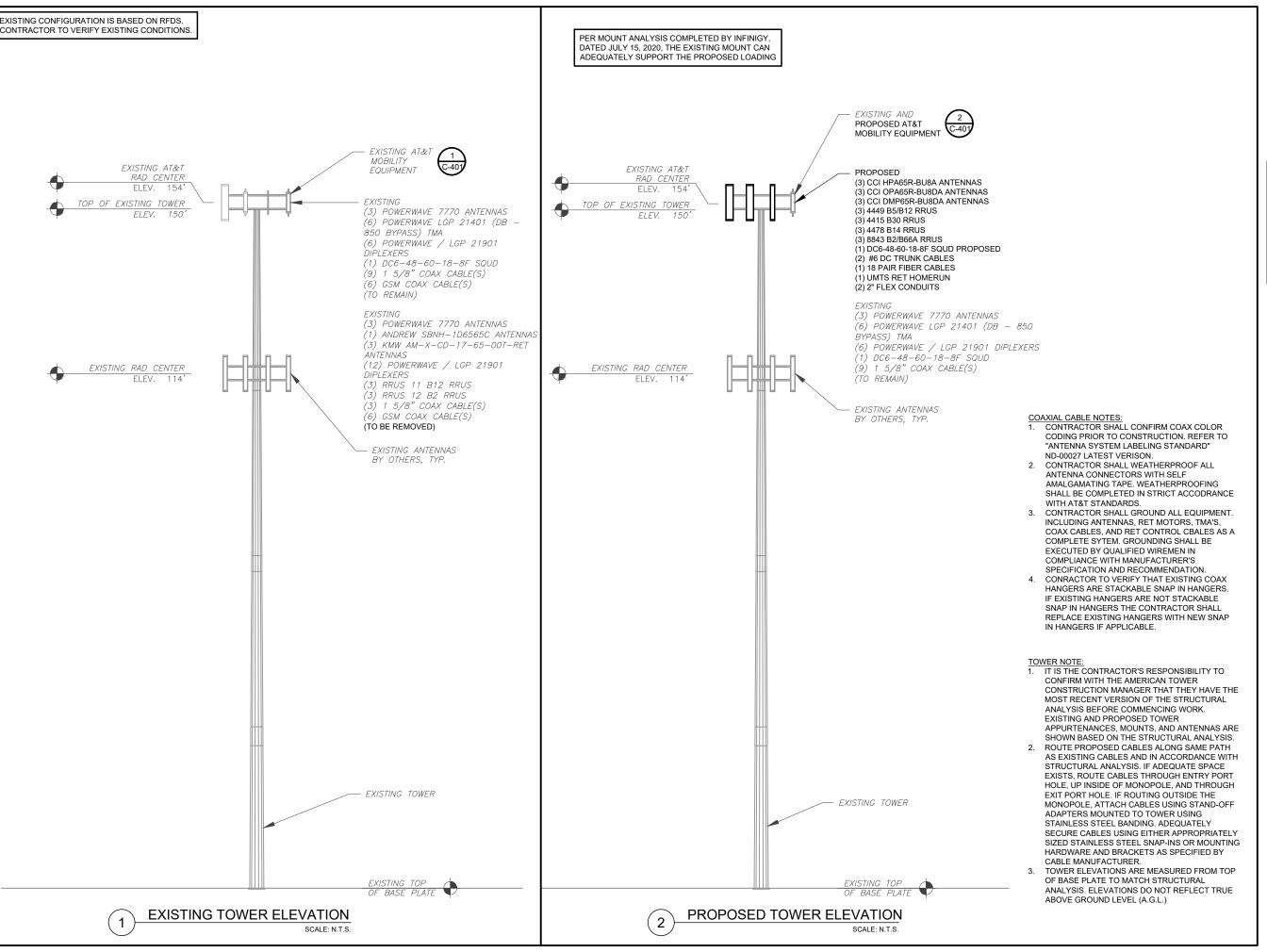
	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
	CUSTOMER #:	10035013

**DETAILED SITE PLAN** 

SHEET NUMBER:

C-101

REVISION





**AMERICAN TOWER®**A.T. ENGINEERING SERVICE, PLLC

3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY8 ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<u> </u>	CONSTRUCTION	DB_	07/22/20
$\wedge$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

#### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL:





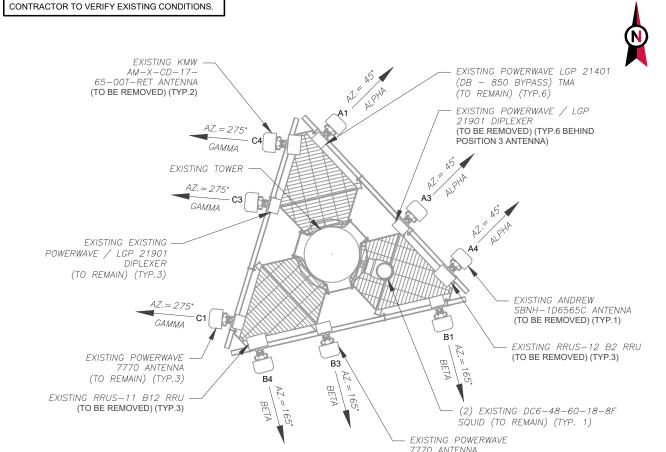
l	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
ı	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
l	CUSTOMER #:	10035013
ı		

**TOWER ELEVATION** 

SHEET NUMBER:

REVISION

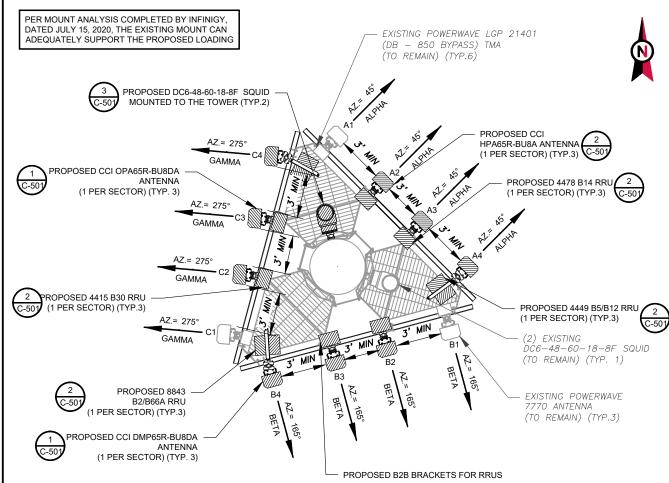
C-201



**CURRENT ANTENNA PLAN** 

(TO BE REMOVED) (TYP.3)

EXISTING CONFIGURATIONS ARE BASED ON RFDS.



PINAL ANTENNA PLAN
SCALE: N.T.S.

PROPOSED RRUS MUST BE INSTALLED A MINIMUM OF 8" AWAY FROM ALL ANTENNAS

				EXISTING.	ANTENNA SCHEDULE				Т
LO	CATION			ANTENNA SUMMAR	RY		NON ANTENNA SUMMARY	,	1
SECTOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS	
			A1	POWERWAVE 7770	UMTS 850 / UMTS 1900	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN	2
ALPHA	154'	45°	A2	_	-		_	-	1
ALITIA	134	43	A3	POWERWAVE 7770	GSM 850	RMV	(2) POWERWAVE / LGP 21901	RMV	3
			A4	ANDREW SBNH-1D6565C	LTE 700/LTE 1900	RMV	RRUS-12 B2, RRUS-11 B12	RMV	
			B1	POWERWAVE 7770	UMTS 850 / UMTS 1900	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN	
BETA	154'	165°	B2	_	_		_	-	1
			В3	POWERWAVE 7770	GSM 850	RMV	(2) POWERWAVE / LGP 21901	RMV	
			B4	KMW AM-X-CD-17-65-00T-RET	LTE 700/LTE 1900	RMV	RRUS-12 B2, RRUS-11 B12	RMV	
			C1	POWERWAVE 7770	UMTS 850 / UMTS 1900	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN	
GAMMA	154'	275°	C2	_	_		_	-	1
			C3	POWERWAVE 7770	GSM 850	RMV	(2) POWERWAVE / LGP 21901	RMV	1
			C4	KMW AM-X-CD-17-65-00T-RET	LTE 700/LTE 1900	RMV	RRUS-12 B2. RRUS-11 B12	RMV	l

1. CONFIRM WITH AT&T MOBILITY REP FOR APPLICABLE UPDATES/REVISIONS AND MOST RECENT RFDS FOR NSN CONFIGURATION (CONFIG). GC TO CAP ALL UNUSED PORTS. 2. CONFIRM SPACING OF PROPOSED EQUIP DOES NOT CAUSE TOWER CONFLICTS NOR IMPEDE TOWER CLIMBING PEGS. 3. THE ANTENNA ORIENTATION PLAN IS A SCHEMATIC. ATC DID NOT CONFIRM EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO, ANTENNA AZIMUTHS, MOUNT CONFIGURATIONS AND TOWER ORIENTATION. SCALES SHOWN ARE FOR REFERENCE ONLY AND EXISTING DIMENSIONS
ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO INSTALLATION AND NOTIFY ATC OF ANY DISCREPANCIES. 4. CONTRACTOR TO ENSURE PROPER SEPARATION IN ACCORDANCE WITH AT&T'S FIRSTNET REQUIREMENTS (SEE

NOTES

	FIIVAL AN I ENNA SCHEDOLE										
1	LOC	CATION			ANTENNA SUM	MARY		NON ANTENNA SUMMARY			
SECT	TOR	RAD	AZ	POS	ANTENNA	BAND	STATUS	ADDITIONAL TOWER MOUNTED EQUIPMENT	STATUS		
				A1	POWERWAVE 7770	UMTS 850	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN		
			4.50	A2	CCI HPA65R-BU8A	LTE WCS	ADD	4415 B30	ADD		
ALP	'HA	154' 45°	154'	45°	A3	CCI OPA65R-BU8DA	LTE 700/LTE AWS	ADD	4478 B14	ADD	
				A4	CCI DMP65R-BU8DA	LTE 700/LTE 850/LTE 1900/5G 850-	ADD	4449 B5/B12, 8843 B2/B66A	ADD		
						B1	POWERWAVE 7770	UMTS 850	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN
  BE1	та	154'	165°	B2	CCI HPA65R-BU8A	LTE WCS	ADD	4415 B30	ADD		
52.	··`	101	100	В3	CCI OPA65R-BU8DA	LTE 700/LTE AWS	ADD	4478 B14	ADD		
				B4	CCI DMP65R-BU8DA	LTE 700/LTE 850/LTE 1900/5G 850-	ADD	4449 B5/B12, 8843 B2/B66A	ADD		
				C1	POWERWAVE 7770	UMTS 850	RMN	(2) POWERWAVE / LGP 21901, (2) POWERWAVE LGP 21401	RMN		
   GAM	іма	154'	275°	C2	CCI HPA65R-BU8A	LTE WCS	ADD	4415 B30	ADD		
3, 41	,	10-1	2.0	C3	CCI OPA65R-BU8DA	LTE 700/LTE AWS	ADD	4478 B14	ADD		
				C4	CCI DMP65R-BU8DA	LTE 700/LTE 850/LTE 1900/5G 850-	ADD	4449 B5/B12, 8843 B2/B66A	ADD		

FINAL ANTENNA SCHEDULE

EXISTING FIBER DISTRIBUTION	I/SQUID	EXISTING CABLING SUMMARY				
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS	
DC6-48-60-18-8F	RMN	(9) 1 5/8"	-	-	RMN	
_	_	(3) 1 5/8"	-	-	RMV	

STATUS ABBREVIATIONS

RMV: TO BE REMOVED

RMN: TO REMAIN

REL: TO BE RELOCATED

ADD: TO BE ADDED

CABLE LENGTHS FOR JUMPERS

JUNCTION BOX TO RRU: 15'

RRU TO ANTENNA: 10'

3 EQUIPMENT SCHEDULES

FINAL FIBER DISTRIBUTION/S	FINAL CABLING SUMMARY				
MODEL NUMBER	STATUS	COAX	DC	FIBER	STATUS
DC6-48-60-18-8F	RMN	(9) 1 5/8"	•	-	RMN
DC6-48-60-18-8F	ADD	-	(2) #6	(1) 18 PAIR	ADD



:NGINEERING SERVICE, PI 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY & ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

L	REV.	DESCRIPTION	BY	DATE
L	$\mathbb{A}_{-}$	PRELIM	_IB_	07/02/20
L	$\wedge$	CONSTRUCTION	DB	07/22/20
L	$\overline{\Lambda}$			
ı				
l				

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD. CT 06374-1824





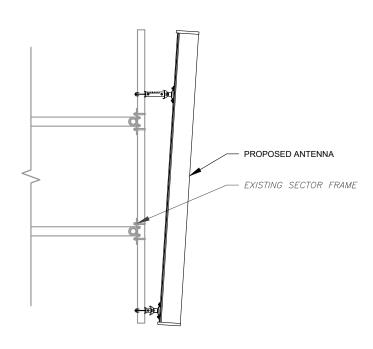
DATE DRAWN:	07/02/20
ATC JOB NO:	13211930_G3
CUSTOMER ID:	PLAINFIELD-SPAULDING RD
CUSTOMER #:	10035013

# RF SCHEDULE AND ANTENNA INSTALLATION

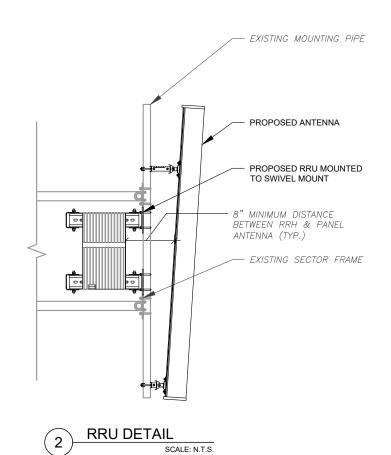
SHEET NUMBER:

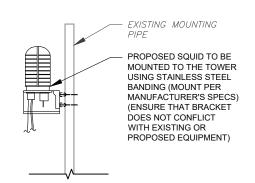
C-401

REVISION



ANTENNA DETAIL





PROPOSED SQUID MOUNTING



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY & ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<u> </u>	CONSTRUCTION	<u>DB</u> _	07/22/20
$\triangle$			
$\triangle$ _			
$\triangle$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL





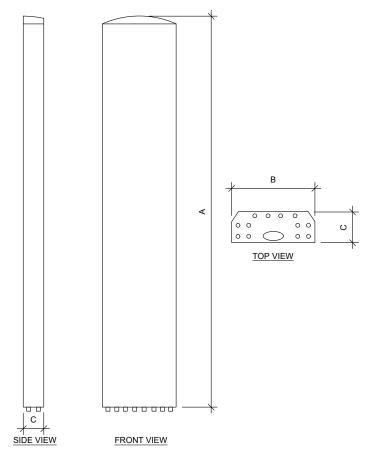
	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
	CUSTOMER #:	10035013

## CONSTRUCTION DETAILS

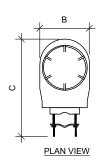
SHEET NUMBER:

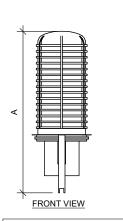
C-501

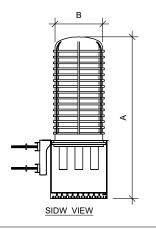
REVISION:



ANTENNA SPECIFICATIONS					
ANTENNA MODEL	A	В	С	WEIGHT (LBS)	
HPA65R-BU8A	96"	11.7"	7.7"	54	
OPA65R-BU8DA	96"	21"	7.8"	76.5	
HPA65R-BU8A	96"	20.7"	7.7"	95.7	



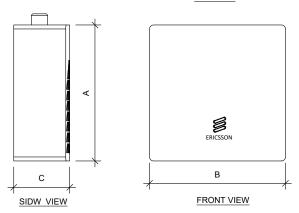




RAYCAP SPECIFICATIONS					
RAYCAP MODEL	А	В	С	WEIGHT (LBS)	
DC6-48-60-18-8F	23.5"	9.7"	9.7"	20.0	



#### TOP VIEW



RRU SPECIFICATIONS						
RRU MODEL	А	В	С	WEIGHT (LBS)		
4415 B30	16.5"	13.4"	5.9"	46.0		
4478 B14	18.1"	13.4"	8.3"	59.4		
4449 B5, B12	17.9"	13.2"	9.4"	71.0		
8843 B2, B66A	14.9"	13.2"	10.9"	72.0		



AMERICAN TOWER®

A.T. ENGINEERING SERVICE, PLLC

3500 REGENCY PARKWAY

3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY8 ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	IB	07/02/20
$\overline{\wedge}$	CONSTRUCTION	DB	07/22/20
$\overline{\wedge}$			
$\overline{\wedge}$			
$\overline{\wedge}$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEA





П	DATE DRAWN:	07/02/20
П	ATC JOB NO:	13211930_G3
П	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
П	CUSTOMER #:	10035013

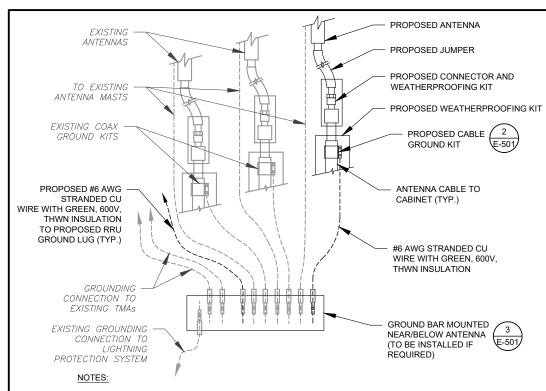
EQUIPMENT SPECIFICATIONS

SHEET NUMBER:

C-502

REVISION:





 THIS DETAIL IS INTENDED TO SHOW THE GENERAL GROUNDING REQUIREMENTS. SLIGHT ADJUSTMENTS MAY BE REQUIRED BASED ON EXISTING SITE CONDITIONS. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS AS NEEDED AND INFORM THE CONSTRUCTION MANAGER OF ANY CONFLICTS.

 SITE GROUNDING SHALL COMPLY WITH AT&T MOBILITY GROUNDING STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T MOBILITY GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN

TYPICAL ANTENNA GROUNDING DIAGRAM

1/4"Ø HILTI KWIK BOLT III

3/8" SS LOCK

**GROUND BAR NOTES** 

WASHER (TYP.)

WHERE INDICATED

3/8" THREADED INSULATOR

SCALE: N.T.S.

3/8" X 3/4" SS

GROUND BAR MOUNTING BRACKET

BOLT (TYP.)

1/4" X 4" X 12"

TWO-HOLE LUG, TO BE USED WITH #2 AWG BCW

GALVANIZED BUSS



GROUND KIT NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT

2. CONTRACTOR SHALL PROVIDE WEATHERPROOFING KIT (ANDREW PART

NUMBER 221213) AND INSTALL/TAPE PER MANUFACTURER'S SPECIFICATIONS

TO ANTENNA

 $\bigcirc$ 

TO EQUIPMENT

GROUND WIRE DOWN TO GROUND BAR.

ANTENNA CABLE 2 1/2"Ø MAX

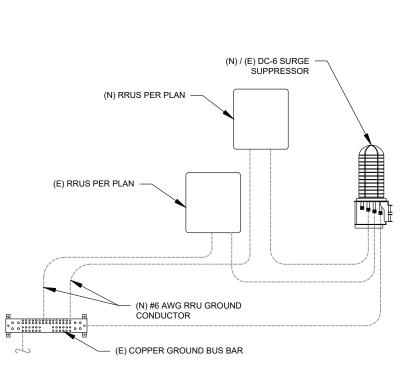
GROUNDING KIT PER CABLE

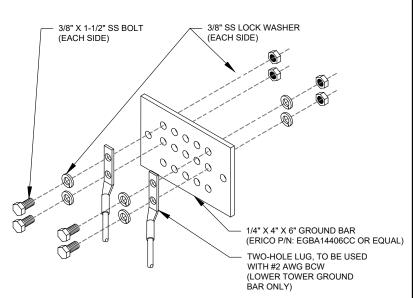
TO GROUND BAR

(ANDREW OR APPROVED EQUAL)

MANUFACTURER'S RECOMMENDATIONS

#6 AWG STRANDED COPPER GROUND WIRE (GROUNDED TO GROUND BAR)

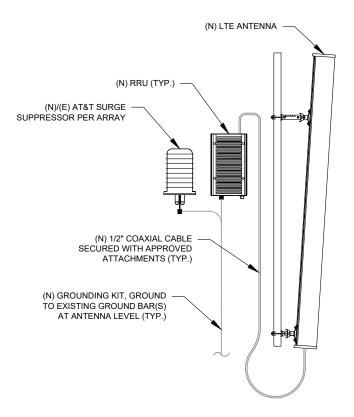




#### **GROUND BAR NOTES:**

- GROUND BAR KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC. EXCEPT THE STRUCTURAL MOUNTING MEMBER(S).
- 2. GROUND BAR TO BE BONDED DIRECTLY TO TOWER.





4 MAIN GROUND BAR DETAIL
SCALE: N.T.S

2. GROUND BAR SHALL BE BOLTED TO STRUCTURAL MEMBER OR

ANCHORED TO CONCRETE SLAB W/ HILTI KWIK BOLT III.

EXCEPT THE STRUCTURAL MOUNTING MEMBER(S)

GROUND KITS COME WITH ALL HARDWARE, NUTS, BOLTS, WASHERS, ETC.

8 RRU GROUNDING
SCALE: N.T.S.

6 ANTENNA/RRU GROUNDING
SCALE: N.T.S.



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY8 ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
$\mathbb{A}_{-}$	PRELIM	_IB_	07/02/20
$\triangle_{-}$	CONSTRUCTION	_DB_	07/22/20
$\triangle_{-}$			
$\triangle_{-}$			
$\wedge$			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

#### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL:

No. 23544

7/23/20

CENSEO

NO. 23544

7/23/20

CENSEO

NO. 23544



 DATE DRAWN:
 07/02/20

 ATC JOB NO:
 13211930\_G3

 CUSTOMER ID:
 PLAINFIELD-SPAULDING RD

 CUSTOMER #:
 10035013

**GROUNDING DETAILS** 

SHEET NUMBER:

ER: REVISION

E-501

U

# INFINIGY & FROM ZERO TO INFINIGY the solutions are endless

1033 WATERVLIET SHAKER RD, ALBANY, NY 12205

### **Mount Modification Report**

#### July 15, 2020

ATCTC'4- M	) (D (TD046960	
AT&T Site Name	MRCTB046850	
AT&T Site Number	CTL02051	
ATC Site Name	Plainfield CT 6, CT	
ATC Site Number	302498	
ATC Engineering Number	13211930_C9_06	
Infinigy Job Number	1009-Z0003-B	
Client	American Tower Corporation	
Carrier	AT&T Mobility	
	Spaulding Road, Plainfield, CT 06374	
Site Location	Windham County	
Site Location	41.674806 N NAD83	
	71.879100 W NAD83	
Mount Centerline EL.	154 ft	
Mount Classification	Platform w/ Handrails	
Structural Usage Ratio	75.1%	
Overall Result	Pass	
Note	F	

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections for the proposed carrier are therefore deemed adequate to support the final loading configuration as listed in this report.



AZ CA CO FL GA IL MD NC NH NJ NY TN TX WA

**INFINIGY8** 

#### Mount Analysis Report

July 15, 2020

#### Introduction

Infinigy Engineering has been requested to perform a mount analysis of the existing AT&T Platform. All supporting documents have been obtained from the client and are assumed to be accurate and applicable to this site. The mount was analyzed using RISA-3D Version 17.0.2 analysis software.

#### Supporting Documentation

Mount Mapping	MasTec Job No. 202199, dated June 22, 2020	
Structural Analysis Report	American Tower Corporation, Engineering No. OAA681936 C3 01, dated July 27, 2016	
Collocation Application	ATC Asset No. 302498	

#### **Analysis Code Requirements**

Wind Speed	124 mph (3-Second Gust)
Wind Speed w/ ice	50 mph (3-Second Gust) w/ 1.0" radial ice concurrent
TIA Revision	ANSI/TIA-222-H
Structure Class	II
Exposure Category	В
Topographic Category	1
Seismic Design Values	$S_S = 0.187 \text{ g}, S_1 = 0.054 \text{ g}$
Site Class	D - Stiff Soil
HMSL	556 ft

#### Conclusion

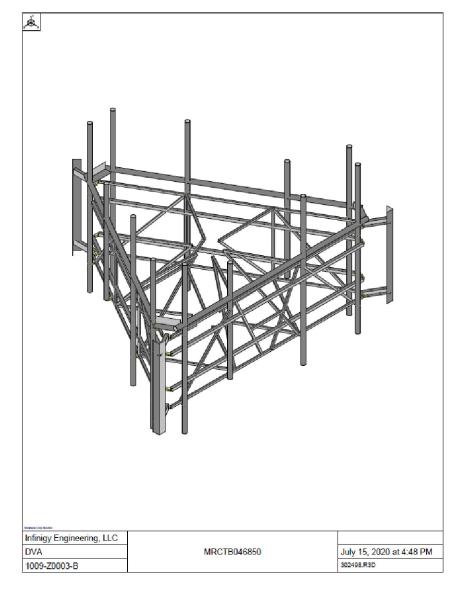
Type tex

Upon reviewing the results of this analysis, it is our opinion that the structure meets the specified TIA code requirements. The mounts and connections are therefore deemed adequate to support the final loading configuration as listed in this report.

If you have any questions, require additional information, or actual conditions differ from those as detailed in this report please contact me via the information below:

Brad Davenport
Engineering Manager | INFINIGY
1517 Old Apex Road, Cary, NC 27513
(0) (518) 690-0792
BDavenport@infinigy.com | www.infinigy.com

Page | 3





A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY

SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY & ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
<u> </u>	PRELIM	<u>IB</u> _	07/02/20
<u> </u>	CONSTRUCTION	DB_	07/22/20
$\triangle$			
$\overline{\wedge}$			
$\triangle$	·		

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL





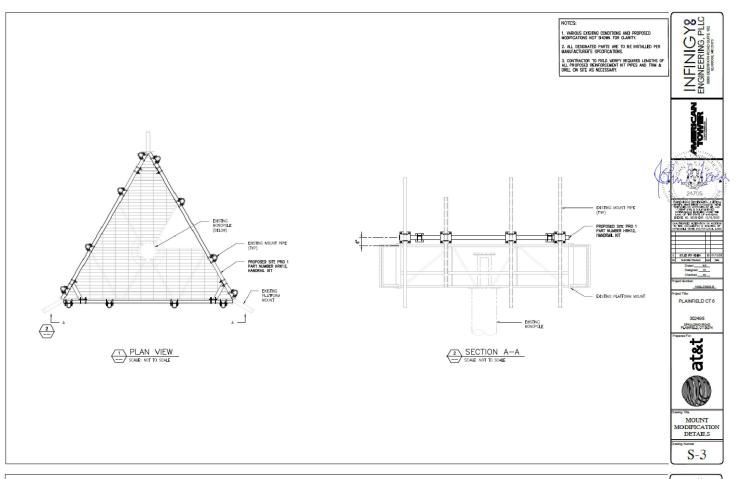
DATE DRAWN:	07/02/20
ATC JOB NO:	13211930_G3
CUSTOMER ID:	PLAINFIELD-SPAULDING RD
CUSTOMER #:	10035013

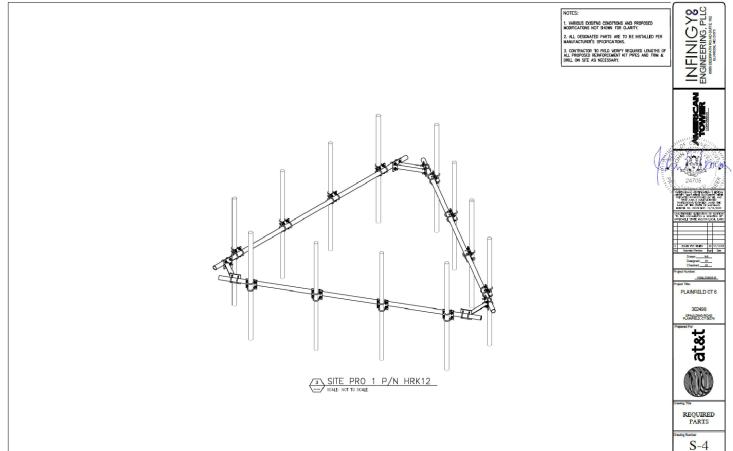
**SUPPLEMENTAL** 

SHEET NUMBER:

REVISION:

R-601





1 MOUNT ANALYSES



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

# INFINIGY8 ENGINEERING, PLLC

1211 SR 436, SUITE 101 CASSELBERRY, FL 32707 OFFICE: 407-278-6750

REV.	DESCRIPTION	BY	DATE
$\triangle$ _	PRELIM	<u>IB</u> _	07/02/20
<u></u>	CONSTRUCTION	DB_	07/22/20
$\wedge$			
$\overline{\wedge}$			
$\Delta$			
	REV.	A PRELIM	A PRELIM IB

ATC SITE NUMBER:

302498

ATC SITE NAME:

### PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

### PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL:





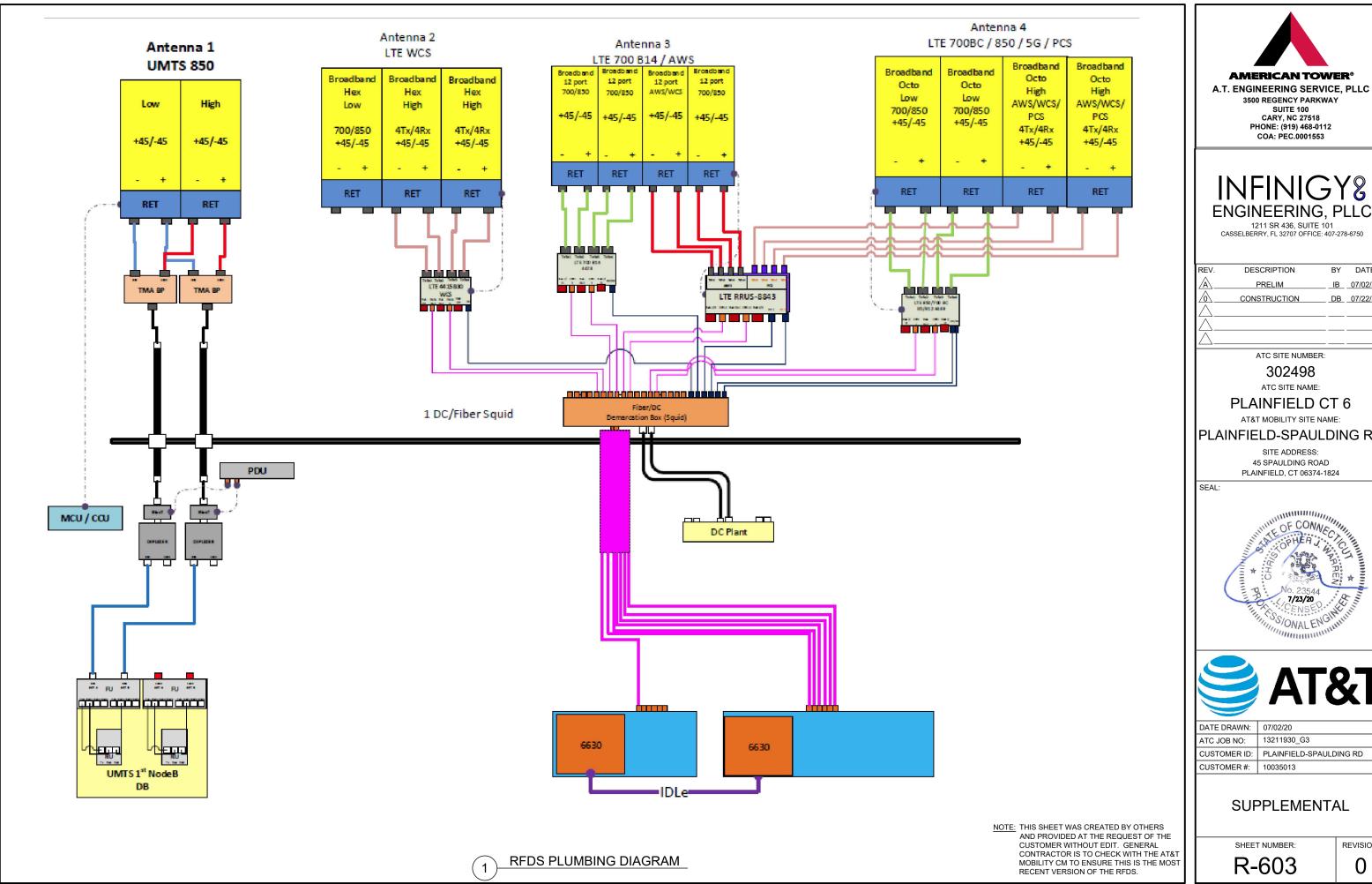
П	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
П	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
П	CUSTOMER #:	10035013

SUPPLEMENTAL

SHEET NUMBER:

REVISION:

R-602



**AMERICAN TOWER®** 

3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112

# INFINIGY8

REV	. DESCRIPTION	BY	DATE
A	PRELIM	_IB_	07/02/20
$\triangle$	CONSTRUCTION	_DB_	07/22/20
$  \wedge  $			
$\overline{\wedge}$			
$\Box$			

### PLAINFIELD-SPAULDING RD

45 SPAULDING ROAD





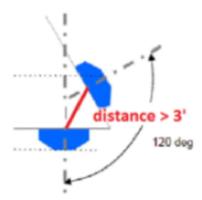
	DATE DRAWN:	07/02/20
	ATC JOB NO:	13211930_G3
	CUSTOMER ID:	PLAINFIELD-SPAULDING RD
	CUSTOMER #:	10035013

### SUPPLEMENTAL

REVISION

# RF REQUIREMENTS FOR 700 B14 FIRSTNET, 700 B12, 700D B29 ANTENNA SEPARATION

- ☐ Horizontal separation (side to side of antenna): >= 3'
- ☐ Vertical separation (between the tips of the antennas): > 3′
- ☐ Inter-sector separation: > 3' between the center of the antenna backplanes.



- Please note additional horizontal separation may be required if B14 antennas azimuth are different from others or antennas are severely angled with respect to the mount.
- ☐ Typical 3' horizontal separation can tolerate skew angle up to 6°.





A.T. ENGINEERING SERVICE, PLLC
3500 REGENCY PARKWAY
SUITE 100
CARY, NC 27518
PHONE: (919) 468-0112

# NFINIGY8 NGINEERING, PLLC

1211 SR 436, SUITE 101

REV.	DESCRIPTION	BY	DATE
$\mathbb{A}_{-}$	PRELIM	_IB_	07/02/20
△_	CONSTRUCTION	_DB_	07/22/20
$\wedge$			
$\overline{\wedge}$			
$\overline{\wedge}$			
I — — —			

ATC SITE NUMBER:

302498

ATC SITE NAME:

PLAINFIELD CT 6

AT&T MOBILITY SITE NAME:

PLAINFIELD-SPAULDING RD

SITE ADDRESS: 45 SPAULDING ROAD PLAINFIELD, CT 06374-1824

SEAL:



	<b>)))))</b>	AT	
--	--------------	----	--

		DATE DRAWN:	07/02/20	
		ATC JOB NO:	13211930_G3	
		CUSTOMER ID:	PLAINFIELD-SPAULDING RD	
		CUSTOMER #:	10035013	

SUPPLEMENTAL

SHEET NUMBER

REVISION

R-604