CENTERLINE COMMUNICATIONS

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Liverpool, NY 13090
ahebel@clinellc.com
215.588.7035

June 17, 2020

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

Re: Notice of Exempt Modifications – AT&T Site CT2036
AT&T Telecommunications Facility @ 751 Higgins Road, Cheshire, CT

Dear Ms. Bachman,

New Cingular Wireless, PCS, LLC ("AT&T") currently maintains a wireless telecommunications facility on an existing +/- 250' self-support tower at the above referenced address, latitude 41.4874639, longitude -72.9293319. Said self-support tower is owned and managed by AT&T Towers.

AT&T desires to modify its existing telecommunications facility by adding three (3) antenna and adding six (6) remote radio units as more particularly detailed and described on the enclosed Construction Drawings prepared by Dewberry Engineers Inc., last revised on June 11, 2020. The centerline height of the existing antennas is and will remain at 255 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: Rob Oris, JR. Chairman of the Town of Cheshire: William S. Voelker Town Planner of the Town of Cheshire and AT&T Towers, as property and tower owner.

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

1. The proposed modifications will not result in an increase in the height of the existing structure.
2. The proposed modifications will not require an extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commissions safety standard. *Please see the RF emissions calculation for AT&T's modified facility enclosed herewith.*
5. The proposed modifications will not cause an ineligible change or alternation in the physical or environmental characteristics of the site.
6. The existing structure and its foundation can support the proposed loading. Please see the structural analysis dated March 13, 2020 and prepared by Centerline Communications LLC 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 Cheshire Original Tower Approval Records
Exhibit 7 – Notice Deliver Confirmations

Cc:
Rob Oris Jr. Chairman, Town of Cheshire as elected official
William Voelker Town Planner, Town of Cheshire
AT&T Towers, Owner

EXHIBIT 1

PROJECT INFORMATION

SCOPE OF WORK:	TOWER: ADD (3) 8-PORT ANTENNAS, INSTALLED IN POSITION 3 ON EACH SECTOR. ADD (3) RRUS-32 WCS AND (3) RRUS-4478 B14. BETA & GAMMA ANTENNAS TO BE RELOCATED & MOUNTED ON NEW STANDOFF SECTOR FRAMES. SHELTER: UPGRADE DUS TO 5216.
SITE ADDRESS:	751 HIGGINS ROAD CHESHIRE, CT 06410
LATITUDE:	41° 29' 14.78" N (NAD 83)*
LONGITUDE:	72° 55' 45.55" W (NAD 83)* *PER EXISTING AT&T PLANS
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY
NAME OF APPLICANT:	AT&T MOBILITY 500 ENTERPRISE DRIVE SUITE 3A ROCKY HILL, CT 06067

SITE NAME: C
SITE NUM
PACE NO.: MRCTB0255
FA LOCATION

DRAWING INDEX

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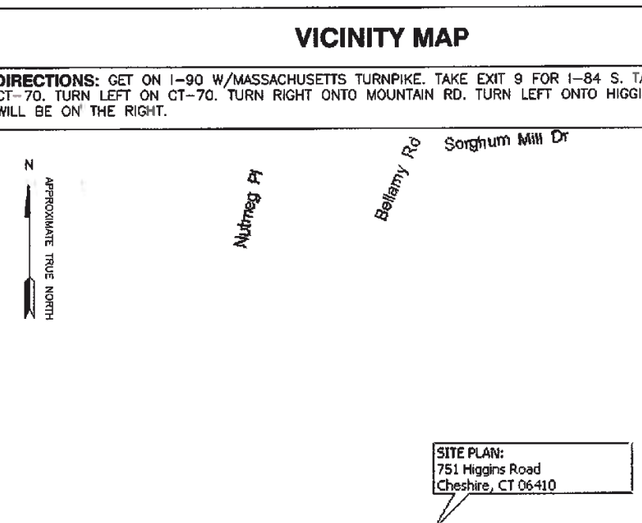
THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE & ITS SITE CONDITIONS & IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

VICINITY MAP

DIRECTIONS: GET ON I-90 W/MASSACHUSETTS TURNPIKE. TAKE EXIT 9 FOR I-84 S. TAKE EXIST 26 CT-70. TURN LEFT ON CT-70. TURN RIGHT ONTO MOUNTAIN RD. TURN LEFT ONTO HIGGINS RD. THE S WILL BE ON THE RIGHT.



CONTACT INFORMATION

CONTACT	CONTACT	COMPANY	PHONE NO.
ENGINEERING:	BENJAMIN REVETTE, P.E.	DEWBERRY ENGINEERS INC.	(617) 531-0800
SAC:	MEREDITH PAYNTER	CENTERLINE COMMUNICATIONS	(508) 673-9116

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a &
Mobility
500 ENTERPRISE DRIVE
SUITE 3A
ROCKY HILL, CT 06067

CHESHIRE 3C/4C
SITE NO. CT2036
751 HIGGINS ROAD
CHESHIRE, CT 06410

NO	DATE	
0	06/11/20	ISSUED FOR
A	05/05/20	ISSUED

SCALE: AS SHOWN | DESIGNED

GENERAL NOTES:

1 FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
PROJECT MANAGEMENT – CENTERLINE COMMUNICATIONS
CONTRACTOR – GENERAL CONTRACTOR (CONSTRUCTION)
OWNER – AT&T MOBILITY
OEM – ORIGINAL EQUIPMENT MANUFACTURER

2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS & TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF PROJECT MANAGEMENT.

3. ALL MATERIALS FURNISHED & INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, & ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES & COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, & LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.

4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL & UTILITY COMPANY SPECIFICATIONS & LOCAL JURISDICTIONAL CODES, ORDINANCES & APPLICABLE REGULATIONS.

5. DRAWINGS PROVIDED HERE ARE NOT TO SCALE UNLESS OTHERWISE NOTED & ARE INTENDED TO SHOW OUTLINE ONLY.

6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, & LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS

7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT & 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 CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY PROJECT MANAGEMENT.

9. CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER & T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING & TELCO PLAN DRAWING. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. CONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH PROJECT MANAGEMENT.

10. THE CONTRACTOR SHALL PROTECT EXISTING & PROPOSED IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING & STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

11. CONTRACTOR SHALL LEGALLY & PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES & OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

12. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

13. THE CONTRACTOR SHALL SUPERVISE & DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, & PROCEDURES & FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

14. CONTRACTOR SHALL NOTIFY DEWBERRY 48 HOURS IN ADVANCE OF POURING CONCRETE, OR BACKFILLING TRENCHES, SEALING ROOF & WALL PENETRATIONS & POST DOWNS, FINISHING NEW WALLS OR FINAL ELECTRICAL CONNECTIONS FOR ENGINEER REVIEW.

15. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS & CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. CONTRACTOR SHALL NOTIFY PROJECT MANAGEMENT OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

16. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY CONTRACTOR 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.

17. 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.

18. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS & RECOMMENDATIONS & SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE & PPM & CONSTRUCTION DEVICES SUCH AS WELDING & FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.

SITE WORK GENERAL NOTES:

1. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.

2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, & OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, & WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO:
A) FALL PROTECTION
B) CONFINED SPACE
C) ELECTRICAL SAFETY
D) TRENCHING & EXCAVATION.

3. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS & PROJECT SPECIFICATIONS.

4. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, TOP SOIL & OTHER REFUSE SHALL BE REMOVED FROM THE SITE & DISPOSED OF LEGALLY.

5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC & OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.

6. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION.

7 THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE AT&T SPECIFICATION FOR SITE SIGNAGE.

8 THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE TRANSMISSION EQUIPMENT & TOWER AREAS.

9. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

10. THE SUB GRADE SHALL BE COMPACTED & BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION, SEE SOIL COMPACTION NOTES.

11. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK & NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, & STABILIZED TO PREVENT EROSION.

12. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL JURISDICTION'S GUIDELINES FOR EROSION & SEDIMENT CONTROL.

CONCRETE & REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 & THE DESIGN & CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.

2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. A HIGHER STRENGTH (4000 PSI) MAY BE USED. ALL CONCRETING WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE (UNO). SPLICES SHALL BE CLASS "B" & ALL HOOKS SHALL BE STANDARD, UNO.

4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE CAST AGAINST EARTH.....3 IN.
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 & LARGER .....2 IN.
#5 & SMALLER & WWF .....1 1/2 IN.
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
SLAB & WALL .....3/4 IN.
BEAMS & COLUMNS .....1 1/2 IN.

5 A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

6. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.

7 CONCRETE CYLINDER TEST IS NOT REQUIRED FOR SLAB ON GRADE WHEN CONCRETE IS LESS THAN 50 CUBIC YARDS (IBC 1905.6.2.3) IN THAT EVENT THE FOLLOWING RECORDS SHALL BE PROVIDED BY THE CONCRETE SUPPLIER;
(A) RESULTS OF CONCRETE CYLINDER TESTS PERFORMED AT THE SUPPLIER'S PLANT,
(B) CERTIFICATION OF MINIMUM COMPRESSIVE STRENGTH FOR THE CONCRETE GRADE SUPPLIED.
FOR GREATER THAN 50 CUBIC YARDS THE GC SHALL PERFORM THE CONCRETE CYLINDER TEST.

8 AS AN ALTERNATIVE TO ITEM 7, TEST CYLINDERS SHALL BE TAKEN INITIALLY & THEREAFTER FOR EVERY 50 YARDS OF CONCRETE FROM EACH DIFFERENT BATCH PLANT.

9 EQUIPMENT SHALL NOT BE PLACED ON NEW PADS FOR SEVEN DAYS AFTER PAD IS POURED, UNLESS IT IS VERIFIED BY CYLINDER TESTS THAT COMPRESSIVE STRENGTH HAS BEEN ATTAINED.

STRUCTURAL STEEL NOTES:

1 ALL STEEL WORK SHALL BE PAINTED OR GALVANIZED IN ACCORDANCE WITH THE DRAWINGS UNLESS NOTED OTHERWISE. STRUCTURAL STEEL SHALL BE ASTM-A-36 UNLESS OTHERWISE NOTED ON THE SITE SPECIFIC DRAWINGS. STEEL DESIGN, INSTALLATION & BOLTING SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "MANUAL OF STEEL CONSTRUCTION".

2. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES & WELDING SHALL CONFORM TO AISC. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.

3 BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE 3/4"Ø CONNECTIONS & SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.

4. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.

5 INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS. ALL EXPANSION/WEDGE ANCHORS SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED. EXPANSION BOLTS SHALL BE PROVIDED BY RAMSET/REDHEAD OR APPROVED EQUAL.

6 CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW & APPROVAL ON PROJECTS REQUIRING STRUCTURAL STEEL.

7. ALL STRUCTURAL STEEL WORK SHALL BE DONE IN ACCORDANCE WITH AISC SPECIFICATIONS.

SOIL COMPACTION NOTES FOR SLAB ON GRADE:

1. EXCAVATE AS REQUIRED TO REMOVE VEGETATION & TOPSOIL EXPOSE UNDISTURBED NATURAL SUBGRADE & PLACE CRUSHED STONE AS REQUIRED.

2. COMPACTION CERTIFICATION: AN INSPECTION & WRITTEN CERTIFICATION BY A QUALIFIED GEOTECHNICAL TECHNICIAN OR ENGINEER IS ACCEPTABLE.

3. AS AN ALTERNATIVE TO INSPECTION & WRITTEN CERTIFICATION, THE "UNDISTURBED SOIL" BASE SHALL BE COMPACTED WITH "COMPACTION EQUIPMENT", LISTED BELOW, TO AT LEAST 90% MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM D 1557 METHOD C.

4. COMPACTED SUBBASE SHALL BE UNIFORM & LEVELED. PROVIDE 6" MINIMUM CRUSHED STONE OR GRAVEL COMPACTED IN 3" LIFTS ABOVE COMPACTED SOIL. GRAVEL SHALL BE NATURAL OR CRUSHED WITH 100% PASSING 1" SIEVE.

5 AS AN ALTERNATIVE TO ITEMS 2 & 3 PROOFROLL THE SUBGRADE SOILS WITH 5 PASSES OF A MEDIUM SIZED VIBRATORY PLATE COMPACTOR (SUCH AS BOMAG BPR 30/38) OR HAND-OPERATED SINGLE DRUM VIBRATORY ROLLER (SUCH AS BOMAG BW 55E). ANY SOFT AREAS THAT ARE ENCOUNTERED SHOULD BE REMOVED & REPLACED WITH A WELL-GRADED GRANULAR FILL, & COMPACTED AS STATED ABOVE.

COMPACTION EQUIPMENT:

1 HAND OPERATED DOUBLE DRUM, VIBRATORY ROLLER, VIBRATORY PLATE COMPACTOR OR JUMPING JACK COMPACTOR.

CONSTRUCTION NOTES:

1. FIELD VERIFICATION:
CONTRACTOR SHALL FIELD VERIFY SCOPE OF WORK, AT&T ANTENNA PLATFORM LOCATION & ANTENNAS TO BE REPLACED.

2. COORDINATION OF WORK:
CONTRACTOR SHALL COORDINATE RF WORK & PROCEDURES WITH PROJECT MANAGEMENT.

3. CABLE LADDER RACK:
CONTRACTOR SHALL FURNISH & INSTALL CABLE LADDER RACK, CABLE TRAY, & CONDUIT AS REQUIRED TO SUPPORT CABLES TO ANY NEW BTS LOCATION.

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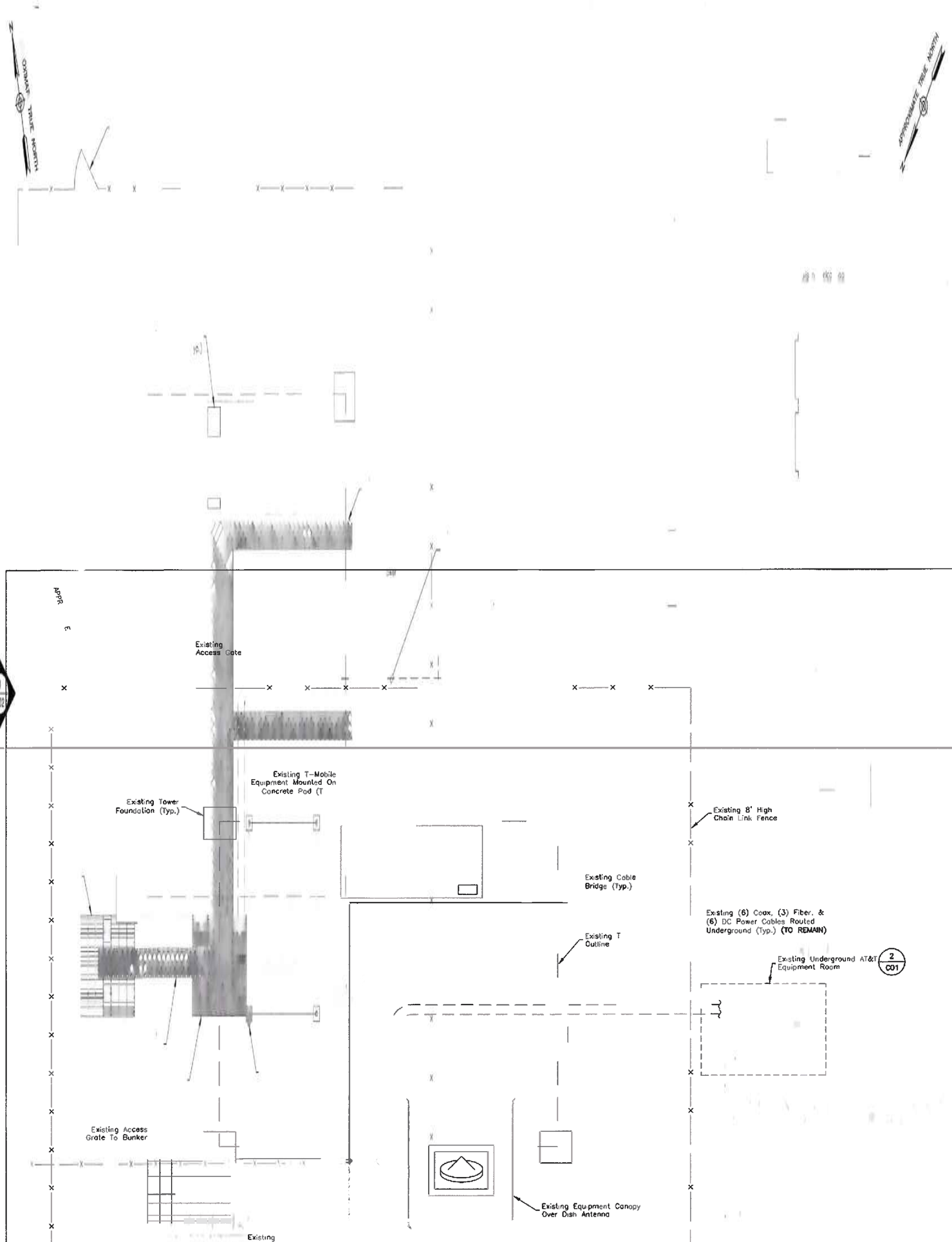
SCALE: AS SHOWN | DESIGNED



PROPOSED SITE PLAN

1

SCALE: 1"=10' FOR 11"x17"
1"=5' FOR 22"x34"

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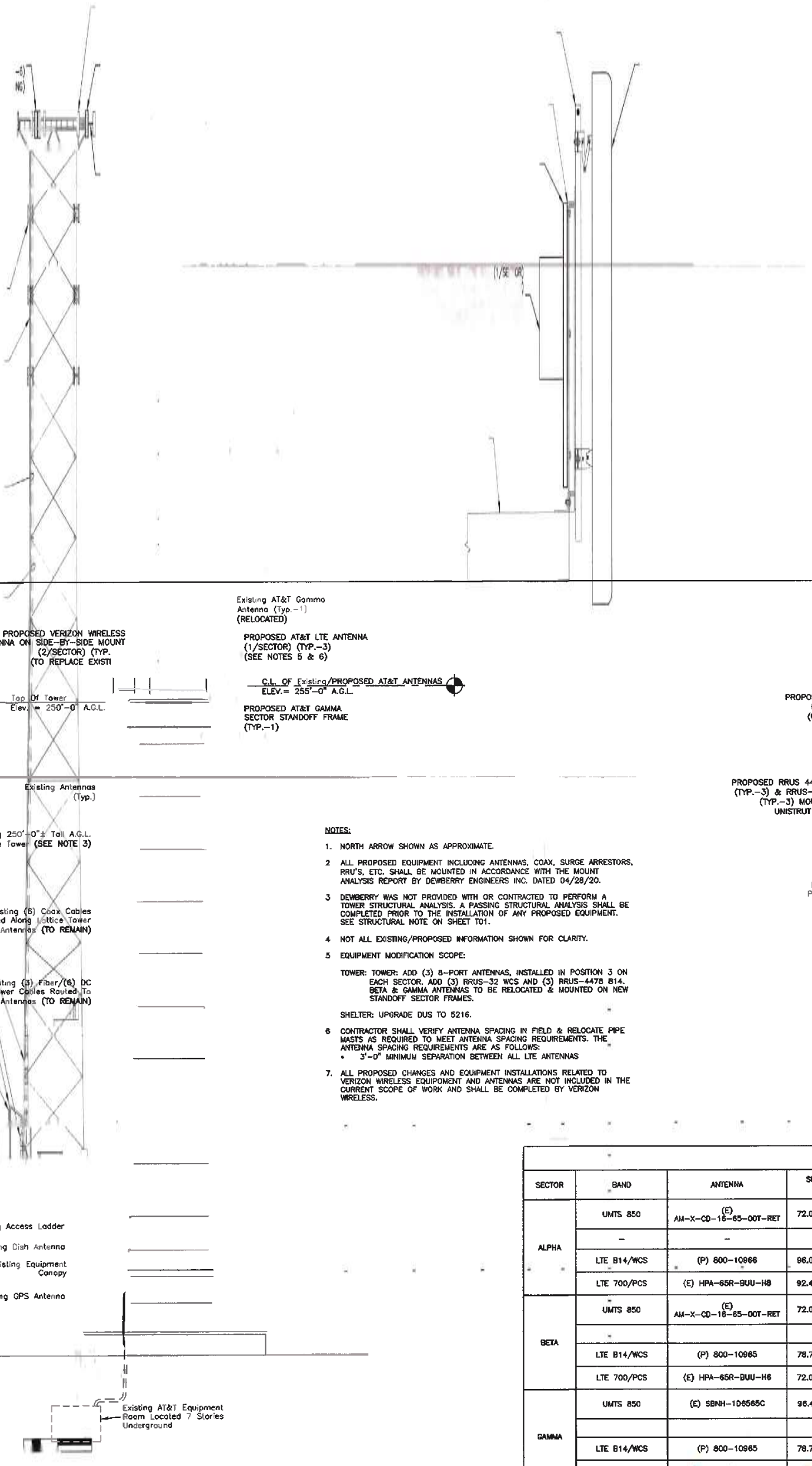

NOTES:

1. NORTH ARROW SHOWN AS APPROXIMATE.
2. ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, SURGE ARRESTORS, RRU'S, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE MOUNT ANALYSIS REPORT BY DEWBERRY ENGINEERS INC. DATED 04/28/20.
3. DEWBERRY WAS NOT PROVIDED WITH OR CONTRACTED TO PERFORM A TOWER STRUCTURAL ANALYSIS. A PASSING STRUCTURAL ANALYSIS SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF ANY PROPOSED EQUIPMENT. SEE STRUCTURAL NOTE ON SHEET T01.
4. NOT ALL EXISTING/PROPOSED INFORMATION SHOWN FOR CLARITY.
5. EQUIPMENT MODIFICATION SCOPE:

   TOWER: TOWER: ADD (3) 8-PORT ANTENNAS, INSTALLED IN POSITION 3 ON EACH SECTOR. ADD (3) RRUS-32 WCS AND (3) RRUS-4478 B14. BETA & GAMMA ANTENNAS TO BE RELOCATED & MOUNTED ON NEW STANDOFF SECTOR FRAMES.

   SHELTER: UPGRADE DUS TO 5216.
6. CONTRACTOR SHALL VERIFY ANTENNA SPACING IN FIELD & RELOCATE PIPE MASTS AS REQUIRED TO MEET ANTENNA SPACING REQUIREMENTS. THE ANTENNA SPACING REQUIREMENTS ARE AS FOLLOWS:
   - 3'-0" MINIMUM SEPARATION BETWEEN ALL LTE ANTENNAS
7. ALL PROPOSED CHANGES AND EQUIPMENT INSTALLATIONS RELATED TO VERIZON WIRELESS EQUIPMENT AND ANTENNAS ARE NOT INCLUDED IN THE CURRENT SCOPE OF WORK AND SHALL BE COMPLETED BY VERIZON WIRELESS.

TOWER ELEVATION

SCALE: 1"=40' FOR 11"x17"
1"=20' FOR 22"x34"

0' 20' 40'

ALPHA SECTOR MOUNTIN

SCALE: 1/2"=1' FOR 11"x17"
1"=1' FOR 22"x34"

0' 1' 2'

FINAL EQUIPMENT CONFIGU

SECTOR	BAND	ANTENNA	SIZE (INCHES) (LxWxD)	RAD. CENTER	AZIMUTH	
ALPHA	UMTS 850	(E) AM-X-CD-16-65-00T-RET	72.0 x 11.8 x 5.9	255'±	154°	(E) DTM TWI 70
	-	-	-	-	-	
	LTE B14/WCS	(P) 800-10966	96.0 x 20.0 x 6.9	255'±	15°	
	LTE 700/PCS	(E) HPA-65R-BUU-H8	92.4 x 14.8 x 7.4	255'±	15°	
BETA	UMTS 850	(E) AM-X-CD-16-65-00T-RET	72.0 x 11.8 x 5.9	255'±	270°	(E) DTM TWI 70
	-		-			
	LTE B14/WCS	(P) 800-10965	78.7 x 20.0 x 6.9	255'±	154°	
	LTE 700/PCS	(E) HPA-65R-BUU-H6	72.0 x 14.8 x 7.4	255'±	154°	
GAMMA	UMTS 850	(E) SBNH-1D6565C	96.4 x 11.9 x 7.1	255'±	15°	(E) DTM TWI 70
	LTE B14/WCS	(P) 800-10965	78.7 x 20.0 x 6.9	255'±	270°	
	LTE 700/PCS	(E) HPA-65R-BUU-H6	72.0 x 14.8 x 7.4	255'±	270°	

FINAL EQUIPMENT CONFI

SCALE: N.T.S.

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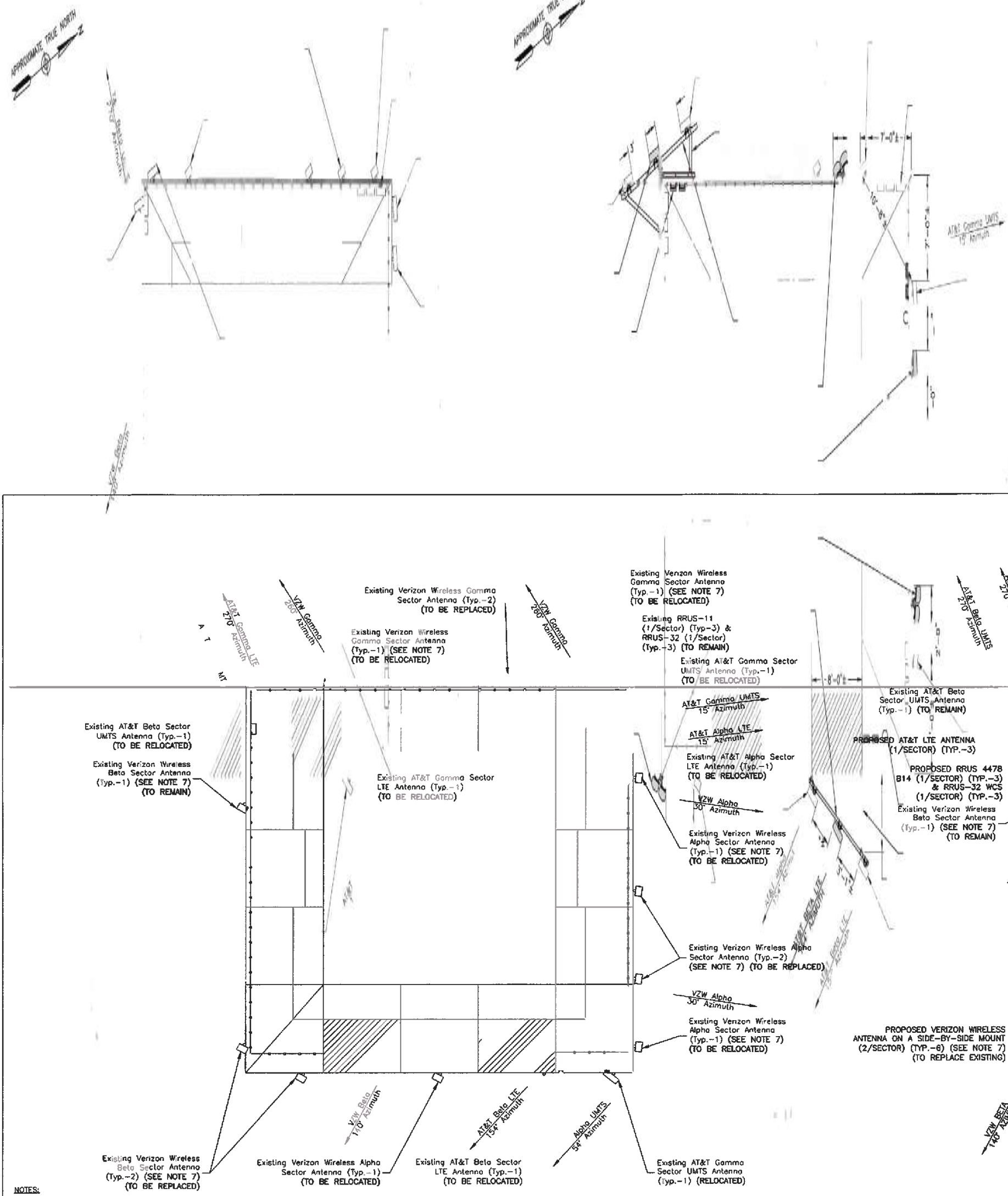
SUITE 3A
ROCKY HILL, CT 06067

CHESHIRE 3C/4C
SITE NO. CT2036

751 HIGGINS ROAD
CHESHIRE, CT 06410

NO	DATE	
0	06/11/20	ISSUED FOR
A	05/05/20	ISSUED
NO	DATE	REV

SCALE: AS SHOWN | DESIGNED



NOTES:

1 NORTH ARROW SHOWN AS APPROXIMATE.

2. ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, SURGE ARRESTORS, RRU'S, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE MOUNT ANALYSIS REPORT BY DEWBERRY ENGINEERS INC. DATED 04/28/20.

3 DEWBERRY WAS NOT PROVIDED WITH OR CONTRACTED TO PERFORM A TOWER STRUCTURAL ANALYSIS. A PASSING STRUCTURAL ANALYSIS SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF ANY PROPOSED EQUIPMENT. SEE STRUCTURAL NOTE ON SHEET T01.

4 NOT ALL EXISTING/PROPOSED INFORMATION SHOWN FOR CLARITY.

5. EQUIPMENT MODIFICATION SCOPE:

TOWER: TOWER: ADD (3) 8-PORT ANTENNAS, INSTALLED IN POSITION 3 ON EACH SECTOR. ADD (3) RRUS-32 WCS AND (3) RRUS-4478 B14. BETA & GAMMA ANTENNAS TO BE RELOCATED & MOUNTED ON NEW STANDOFF SECTOR FRAMES.

SHELTER: UPGRADE DUS TO 5216.

6. CONTRACTOR SHALL VERIFY ANTENNA SPACING IN FIELD & RELOCATE PIPE MASTS AS REQUIRED TO MEET ANTENNA SPACING REQUIREMENTS. THE ANTENNA SPACING REQUIREMENTS ARE AS FOLLOWS:
- 3'-0" MINIMUM SEPARATION BETWEEN ALL LTE ANTENNAS

7 ALL PROPOSED CHANGES AND EQUIPMENT INSTALLATIONS RELATED TO VERIZON WIRELESS EQUIPOMENT AND ANTENNAS ARE NOT INCLUDED IN THE CURRENT SCOPE OF WORK AND SHALL BE COMPLETED BY VERIZON WIRELESS.

EXISTING ANTENNA ORIENTATION PLAN 1

SCALE: 3/32"=1' FOR 11"x17"
3/16"=1' FOR 22"x34"

0' 4' 8' 12'

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BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310

CENTERLINE COMMUNICATIONS
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WEST BRIDGEWATER, MA 02379

a & Mobility
500 ENTERPRISE DRIVE
SUITE 3A
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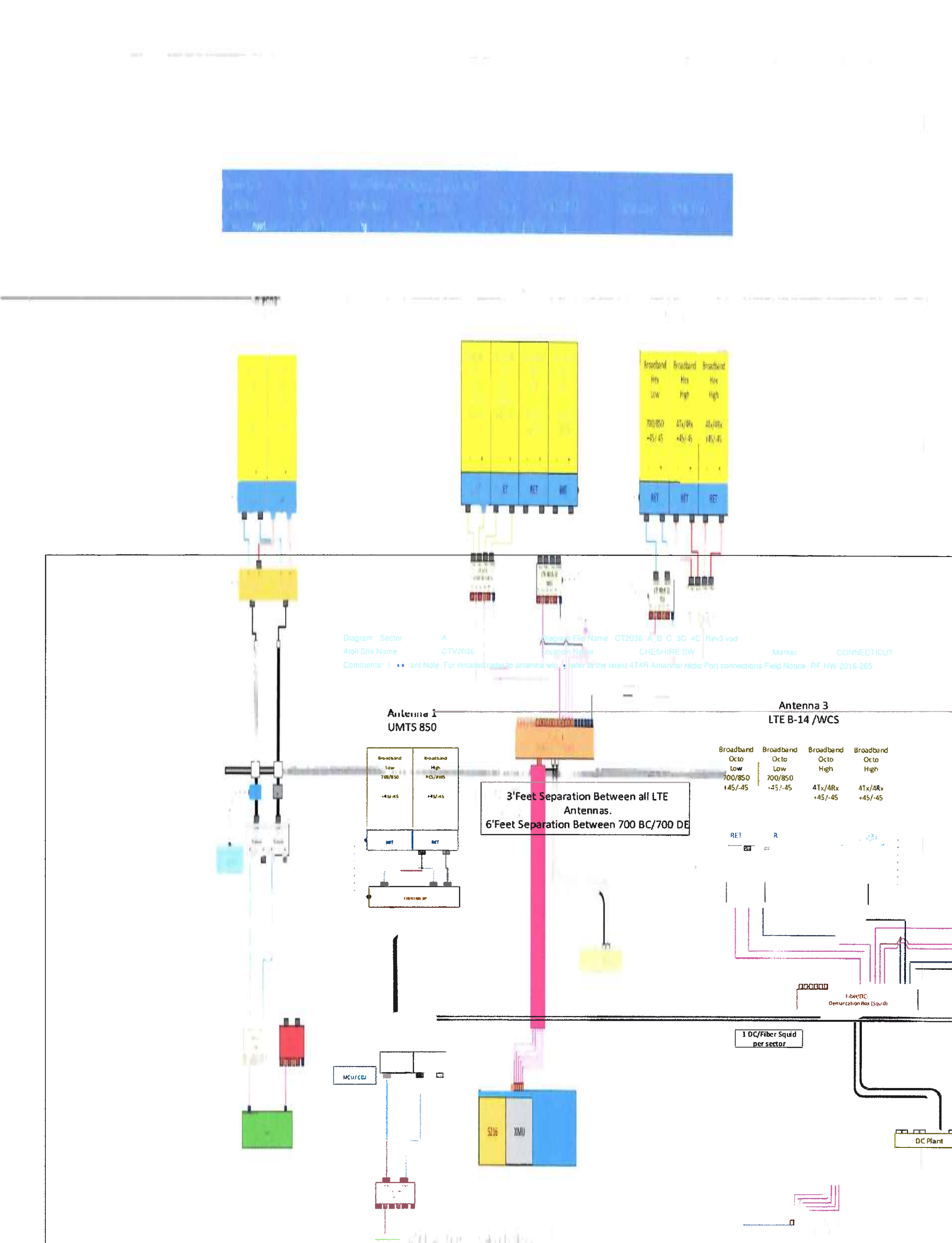

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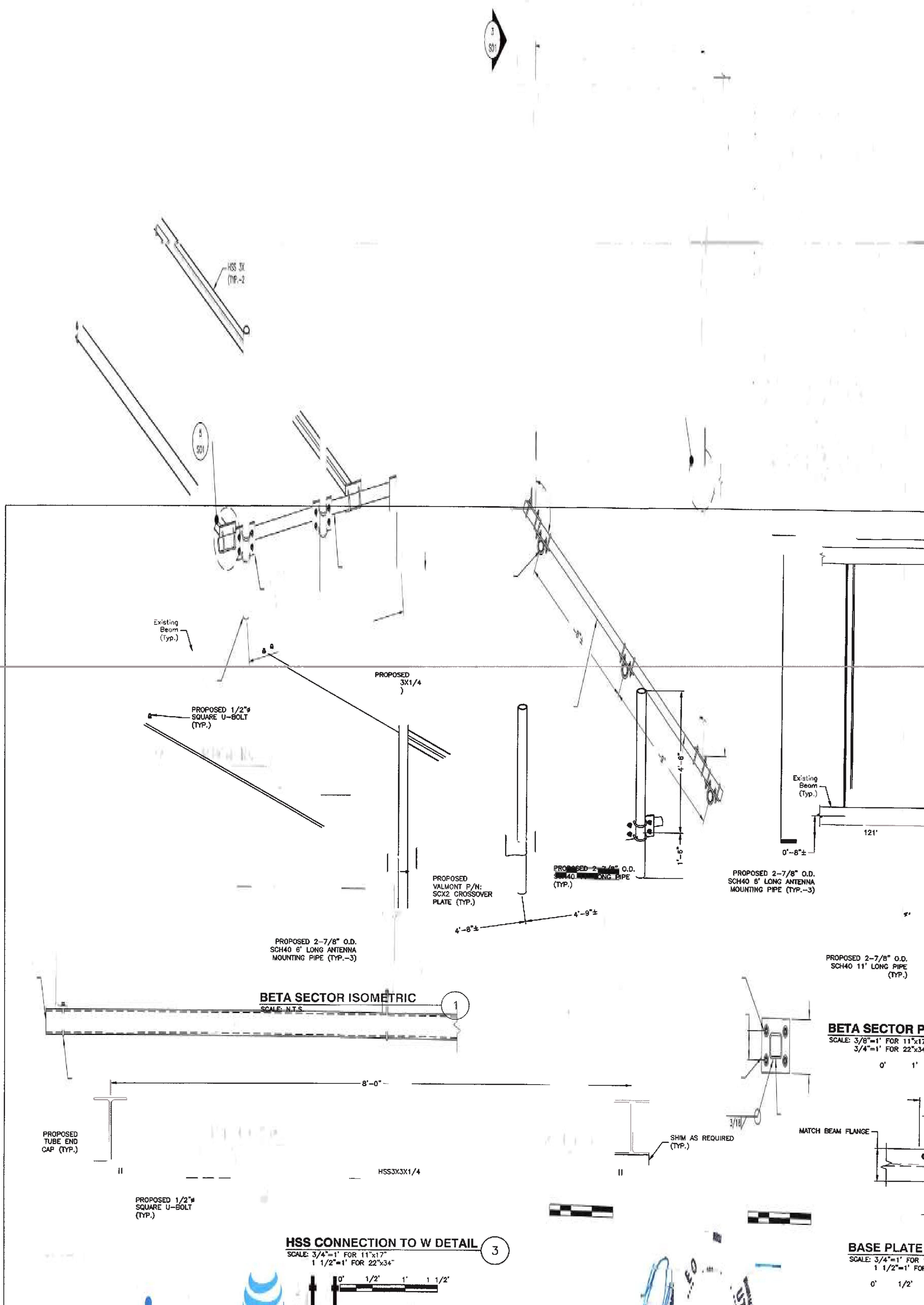

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0 06/11/20 ISSUED FOR
A 05/20 ISSUED FOR REVIEW
NO. DATE REVISIONS
DESIGNED BY CHK APP'D

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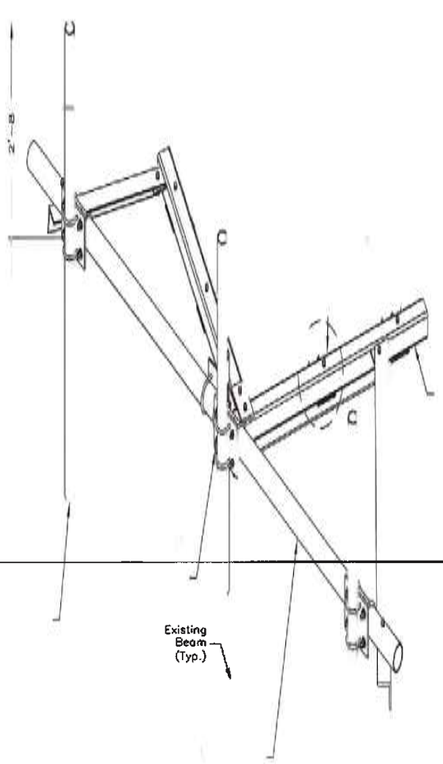
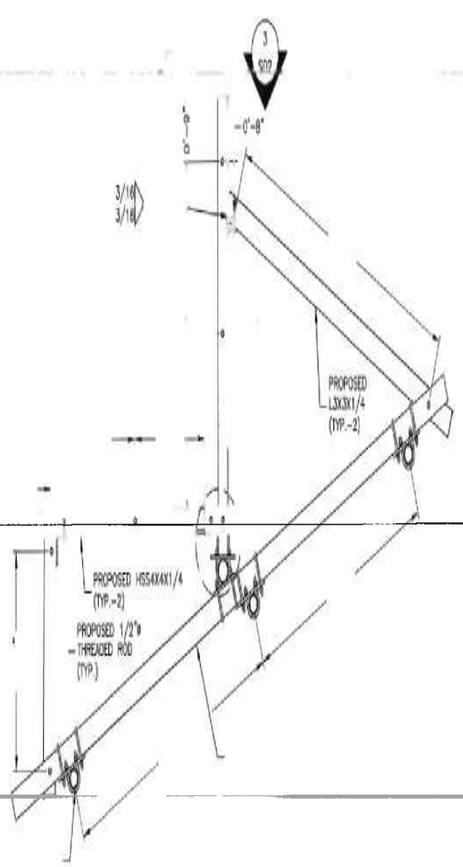
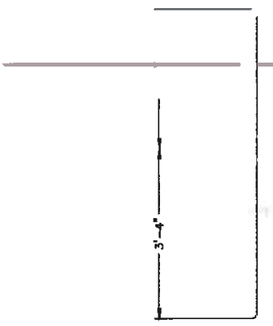
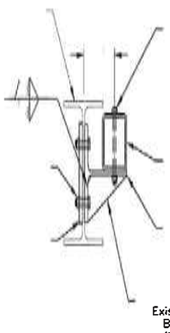




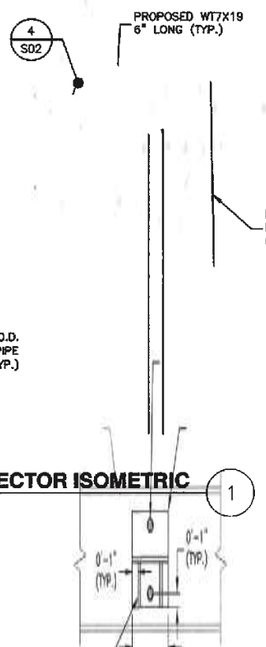


PROPOSED 2-7/8" O.D.
SCH40 6' LONG ANTENNA
MOUNTING PIPE (TYP.-3)



PROPOSED
VALMONT P/N:
SCX2 CROSSOVER
PLATE (TYP.)

PROPOSED 2-7/8" O.D.
SCH40 13'-0" LONG PIPE
(TYP.)



GAMMA SECTOR ISOMETRIC 1

SCALE: N.T.S.

0'-5"

3/16
3/16

PROPOSED 1/2"ø
ASTM A325 BOLT
(TYP.)

PROPOSED
7"X6"X1/2"
PLATE

PROPOSED 1/2"ø THREADED ROD
(IN CENTER OF TUBE) (TYP.)

PROPOSED
HSS4X4X1/4
(TYP.-2)

PROPOSED WT7X19
6" LONG (TYP.)

PROPOSED 3/8" STIFFENER PLATE
(TYP.-2 PER WT MEMBER)

HSS CONNECTION TO WT DETAIL 3

SCALE: 3/4"=1' FOR 11"x17"
1 1/2"=1' FOR 22"x34"

0' 1/2' 1' 1 1/2'

NOTES:

1. NORTH ARROW SHOWN AS APPROXIMATE.
2. ALL PROPOSED EQUIPMENT INCLUDING ANTENNAS, COAX, SURGE ARRESTORS, RRU'S, ETC. SHALL BE MOUNTED IN ACCORDANCE WITH THE MOUNT ANALYSIS REPORT BY DEWBERRY ENGINEERS INC. DATED 04/28/20.
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5. EQUIPMENT MODIFICATION SCOPE:

   TOWER: TOWER ADD (3) 8-PORT ANTENNAS, INSTALLED IN POSITION 3 ON EACH SECTOR. ADD (3) RRUS-32 WCS AND (3) RRUS-4478 B14. BETA & GAMMA ANTENNAS TO BE RELOCATED & MOUNTED ON NEW STANDOFF SECTOR FRAMES.

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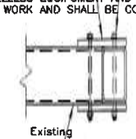
7. ALL PROPOSED CHANGES AND EQUIPMENT INSTALLATIONS RELATED TO VERIZON WIRELESS EQUIPMENT AND ANTENNAS ARE NOT INCLUDED IN THE CURRENT SCOPE OF WORK AND SHALL BE COMPLETED BY VERIZON WIRELESS.



PROPOSED 1/2"ø
ASTM A325 BOLT
(TYP.)

PROPOSED WT7X19
6" LONG (TYP.)

0'-6"

PROPOSED 3/8" STIFFENER PLATE
(TYP.-2 PER WT MEMBER)

WT CONNECTION TO W DETAIL 4

SCALE: 3/4"=1' FOR 11"x17"
1 1/2"=1' FOR 22"x34"

0' 1/2' 1' 1 1/2'

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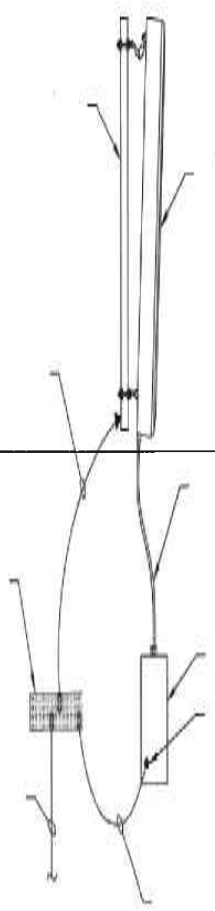
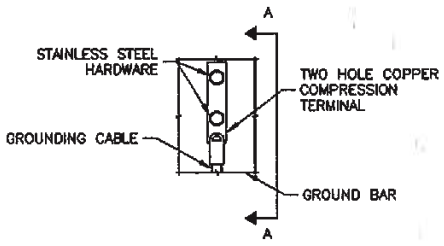
A	05/05/20	ISSUED F

SCALE: AS SHOWN | DESIGNED

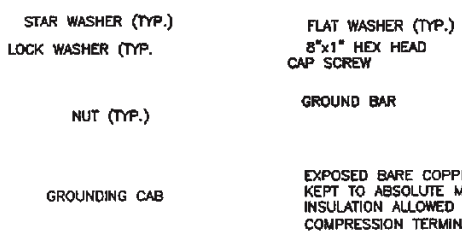
GROUNDING NOTES:

1. THE CONTRACTOR SHALL REVIEW & INSPECT THE EXISTING FACILITY GROUNDING SYSTEM & LIGHTNING PROTECTION SYSTEM (AS DESIGNED & INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ). THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, & GENERAL COMPLIANCE WITH TELCORDIA & TIA GROUNDING STANDARDS. THE CONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, & AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS. ALL AVAILABLE GROUNDING ELECTRODES SHALL BE CONNECTED TOGETHER IN ACCORDANCE WITH THE NEC.
3. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 & 81) FOR GROUND ELECTRODE SYSTEMS. USE OF OTHER METHODS MUST BE PRE-APPROVED BY CONTRACTOR IN WRITING.
4. THE CONTRACTOR SHALL FURNISH & INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS ON TOWER SITES & 10 OHMS OR LESS ON ROOFTOP SITES. WHEN ADDING ELECTRODES, CONTRACTOR SHALL MAINTAIN A MINIMUM DISTANCE BETWEEN THE ADDED ELECTRODE & ANY OTHER EXISTING ELECTRODE EQUAL TO THE BURIED LENGTH OF THE ROD. IDEALLY, CONTRACTOR SHALL STRIVE TO KEEP THE SEPARATION DISTANCE EQUAL TO TWICE THE BURIED LENGTH OF THE RODS.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING & UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
6. METAL CONDUIT & TRAY SHALL BE GROUNDED & MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE & UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
7. 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 & INSTALLED WITH THE POWER CIRCUITS TO TRANSMISSION EQUIPMENT.
8. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED. BACK-TO-BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BUS ARE PERMITTED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED. IN ALL CASES, BENDS SHALL BE MADE WITH A MINIMUM BEND RADIUS OF 8 INCHES.
11. EACH INTERIOR TRANSMISSION CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH 6 AWG STRANDED, GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRE UNLESS NOTED OTHERWISE IN THE DETAILS. EACH OUTDOOR CABINET FRAME/PLINTH SHALL BE DIRECTLY CONNECTED TO THE BURIED GROUND RING WITH 2 AWG SOLID TIN-PLATED COPPER WIRE UNLESS NOTED OTHERWISE IN THE DETAILS.
12. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS & THE GROUND RING, SHALL BE 2 AWG SOLID TIN-PLATED COPPER UNLESS OTHERWISE INDICATED.
13. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE. CONNECTIONS TO ABOVE GRADE UNITS SHALL BE MADE WITH EXOTHERMIC WELDS WHERE PRACTICAL OR WITH 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS. HIGH PRESSURE CRIMP CONNECTORS MAY ONLY BE USED WITH WRITTEN PERMISSION FROM CENTERLINE COMMUNICATIONS COMMUNICATIONS MARKET REPRESENTATIVE.
14. EXOTHERMIC WELDS SHALL BE PERMITTED ON TOWERS ONLY WITH THE EXPRESS APPROVAL OF THE TOWER MANUFACTURER OR THE CONTRACTORS STRUCTURAL ENGINEER.
15. ALL WIRE TO WIRE GROUND CONNECTIONS TO THE INTERIOR GROUND RING SHALL BE FORMED USING HIGH PRESS CRIMPS OR SPLIT BOLT CONNECTORS WHERE INDICATED IN THE DETAILS.
16. ON ROOFTOP SITES WHERE EXOTHERMIC WELDS ARE A FIRE HAZARD COPPER COMPRESSION CAP CONNECTORS MAY BE USED FOR WIRE TO WIRE CONNECTORS. 2 HOLE MECHANICAL TYPE BRASS CONNECTORS WITH STAINLESS STEEL HARDWARE, INCLUDING SET SCREWS SHALL BE USED FOR CONNECTION TO ALL ROOFTOP TRANSMISSION EQUIPMENT & STRUCTURAL STEEL.
17. COAX BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE & THE TOWER GROUND BAR USING TWO-HOLE MECHANICAL TYPE BRASS CONNECTORS & STAINLESS STEEL HARDWARE.
18. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION & BOLTED GROUND CONNECTIONS.
19. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
20. MISCELLANEOUS ELECTRICAL & NON-ELECTRICAL METAL BOXES, FRAMES & SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
21. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF THE BURIED GROUND RING WITH 2 AWG SOLID TIN-PLATED COPPER GROUND CONDUCTOR. DURING EXCAVATION FOR NEW GROUND CONDUCTORS, IF EXISTING GROUND CONDUCTORS ARE ENCOUNTERED, BOND EXISTING GROUND CONDUCTORS TO NEW CONDUCTORS.
22. GROUND CONDUCTORS USED IN THE FACILITY GROUND & LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT WITH LISTED BONDING FITTINGS.





ELEVATION



NOTES:

1 DOUBLING UP OR STACKING OF CONNECTIONS IS NOT PERMITTED.

2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

TYPICAL GROUND BAR MECHANICAL CONNECTION DETAIL (1)

SCALE: N.T.S.

#2 AWG COPPER EXOTHERMIC

#2 AWG INSULATED CONDUCTO

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SCALE: AS SHOWN | DESIGNE

EXHIBIT 2

Town of Cheshire, CT

Property Listing Report

Map Block Lot	69-53	Building #	1	Unique Identifier	00712600

Property Information

Property Location	751 HIGGINS RD
Mailing Address	P O BOX 7207 BEDMINSTER NJ 07921
Land Use	Light Industrial
Zoning Code	R-40
Neighborhood	I-1C

Owner	AMER TEL & TEL CO
Co-Owner	AT&T PROPERTY TAX UNIT
Book / Page	0148/0566
Land Class	Industrial
Census Tract	3434
Acreage	19.8

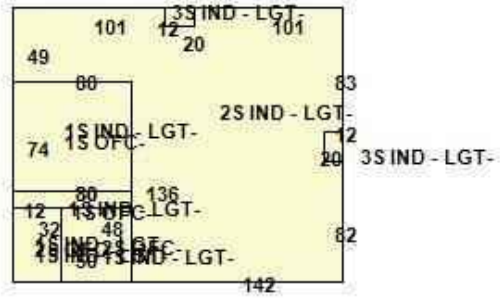
Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	2594709	1816300
Outbuildings	29640	20750
Land	429316	300520
Total	3053665	2137570

Utility Information

Electric	No
Gas	No
Sewer	No
Public Water	No
Well	No



Primary Construction Details

Year Built	1968
Building Desc.	Commercial
Building Style	
Stories	2.00
Exterior Walls	Pre-Cast Concrete
Exterior Walls 2	B. V. Solid
Interior Walls	
Interior Walls 2	
Interior Floors 1	Composite
Interior Floors 2	

Heating Fuel	
Heating Type	
AC Type	Central
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	
Occupancy	0

Building Use	Light Industrial
Building Condition	Average
Frame Type	Average
Fireplaces	0
Bsmt Gar	0
Fin Bsmt Area	
Fin Bsmt Quality	
Building Grade	-50
Roof Style	HIP
Roof Cover	Asphalt

Report Created On 6/9/2020

Town of Cheshire, CT

Property Listing Report | Map Block Lot **69-53** | Building # **1** | Unique Identifier **00712600**

Detached Outbuildings

Type	Description	Area (sq ft)	Condition	Year Built
Fencing	Fencing	600	Average	1968
Paving	Paving	43000	Average	1968
Fencing	Fencing	1560	Average	1968
Fencing	Fencing	2400	Average	1968

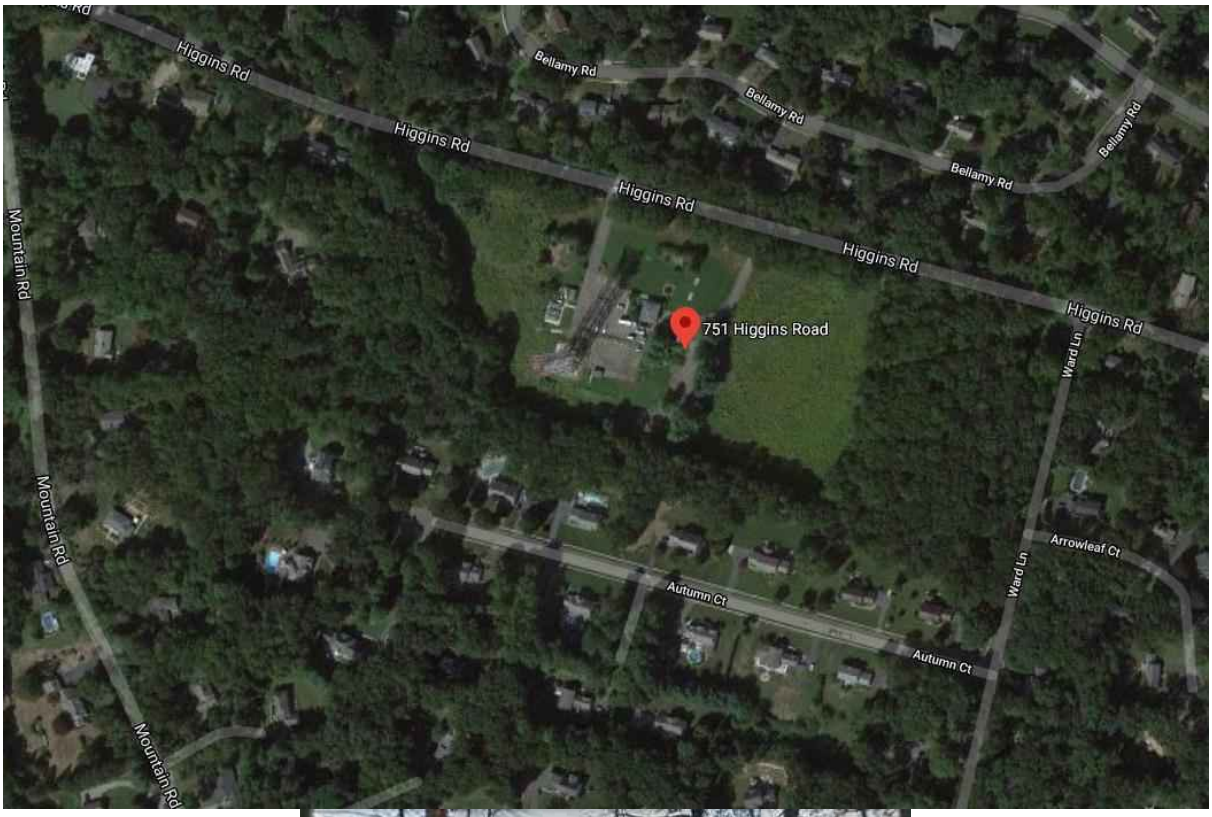
Attached Extra Features

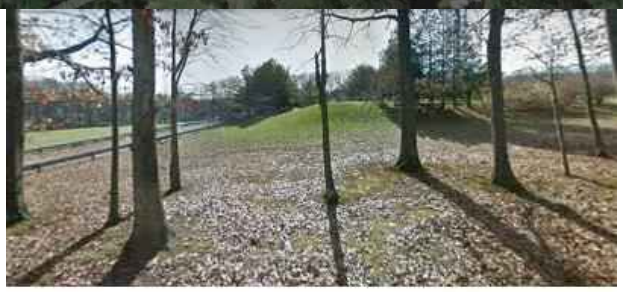
Type	Description	Area (sq ft)	Condition	Year Built

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price

Report Created On **6/9/2020**





751 Higgins Rd
Cheshire, CT 06410

Directions Save Nearby Send to your phone Share

F3QC+2J Cheshire, Connecticut

EXHIBIT 3

Centerline Communications, LLC
95 Ryan Drive, Suite #1
Raynham, MA 02767
(508) 633-9116

Chad Burton
520 South Main Street, Suite 2531
Akron, OH 44311
(216) 413-5941
cburton@gpdgroup.com

GPD# 2020701.98
March 13, 2020

STRUCTURAL ANALYSIS REPORT

AT&T DESIGNATION:	**Site USID:**	**TAG0053**	**26014**
	Site FA:	**10136365**	**10034996**
	Site Name:	**CHESHIRE**	**CHESHIRE SW**
	Client Number:	**CT2036**	
ANALYSIS CRITERIA:	**Codes:**	**TIA-222-G, 2018 Connecticut State Building Code & 2015 IBC**	
		135-mph Ultimate 3-second gust with 0" ice	
		105-mph Nominal 3-second gust with 0" ice	
		50-mph 3-second gust with 3/4" ice	
SITE DATA:		**751 Higgins Road, Cheshire, CT 06410, New Haven County**	
		Latitude 41° 29' 14.870" N, Longitude 72° 55' 45.595" W	
		Market: NEW ENGLAND	
		250' Radio Relay Towers Self Support Tower	

Ms. Meredith Paynter,

GPD is pleased to submit this Structural Analysis Report to determine the structural integrity of the aforementioned tower. The purpose of the analysis is to determine the suitability of the tower with the existing and proposed loading configuration detailed in the analysis report.

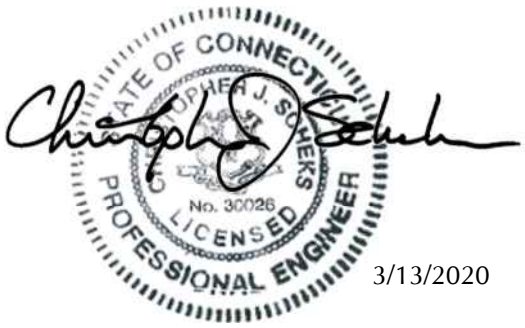
Analysis Results

Tower Stress Level with Proposed Equipment:	78.9%	Pass
Building Pedestal Ratio with Proposed Equipment:	Adequate	Pass

We at GPD appreciate the opportunity of providing our continuing professional services to you and Centerline Communications, LLC. If you have any questions or need further assistance on this or any other projects, please do not hesitate to call.

Respectfully submitted,

Christopher J. Scheks, P.E.
Connecticut #: 0030026



3/13/2020

SUMMARY & RESULTS

The purpose of this analysis was to verify whether the existing modified structure is capable of carrying the proposed loading configuration as specified by AT&T Mobility to Centerline Communications, LLC. This report was commissioned by Ms. Meredith Paynter of Centerline Communications, LLC.

This analysis has been performed in accordance with the 2018 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 135 mph converted to a nominal 3-second gust wind speed of 105 mph per Section 1609.3 and Appendix N as required for use in the TIA-222-G Standard per Exception #5 of Section 1609.1.1. Exposure Category B with a maximum topographic factor, K_{zt}, of 1.0 and Risk Category III were used in this analysis.

Detailed foundation and geotechnical information for the building were not available or provided for this report. Therefore, the in place capacities could not be verified. However, based on the reserve capacity of the supporting pedestals, it is our opinion that the supporting building and foundations will be adequate for the proposed loading configuration.

Modifications designed by GPD (Project #: 2012856.05, dated 7/25/2012) have been installed and were considered in this analysis.

Mount modifications designed by All-Points (File #: CT141EB9400 Rev. 7, dated 2/10/2020) and the mount analysis by All-Points (File #: CT141EB9400, dated 2/10/2020) have been considered in this analysis.

This analysis has been completed based on the proposed elevation site orientation plan completed by Dewberry (Project #: 5093723/50110969, dated 1/7/2020). This plan sketch details the proposed location of the AT&T mobility and Verizon loading at the 252.0' loading elevation. It also includes a proposed standoff frame. The weight and wind area of the mentioned frames have been assumed for the purpose of this analysis.

TOWER SUMMARY AND RESULTS

Member	Capacity	Results
Legs	76.8%	Pass
Leg Bolts	77.6%	Pass
Diagonals	67.0%	Pass
Horizontals	55.8%	Pass
Redundant Members	75.9%	Pass
Internal Bracing	75.0%	Pass
Member Bolts	78.9%	Pass
Anchor Rods	38.9%	Pass
Building Pedestals	23.8%	Pass
Foundation	Adequate	Pass

ANALYSIS METHOD

RISA-3D (Version17.0.2), TNX Tower (Version 8.0.5.0), and EnerCalc (Version 12.19.8.30), commercially available software programs, were used to create a three-dimensional model of the tower and calculate primary member stresses for various dead, wind, and ice load cases. Selected output from the analysis is included in Appendix B. The following table details the information provided to complete this structural analysis. This analysis is solely based on this information and is being completed without the benefit of a recent detailed site visit.

DOCUMENTS PROVIDED

Document	Remarks	Source
RF Data Sheet	RFDS Name #: CTV2036, dated 6/6/2018	Centerline
Loading Elevation Sketch	Dewberry Project #: 5093723/50110969, dated 1/7/2020	Centerline
Tower Design	AT&T Co. Drawing #: NA4J03-902 Rev 3, dated 6/5/1967	AT&T
Building Drawings	AT&T Co. L-4 Junction Building, dated 12/1/1965	AT&T
Tower Mapping	GPD Project #: 2013723.01.TAG0053.03, 1/17/2014	AT&T
Ground Mapping	GPD Project #: 2013723.01.TAG0053.01, dated 6/14/2013	AT&T
Foundation Mapping	FDH Project #: 11-12049E-N1, dated 12/20/2011	AT&T
Geotechnical Report	Not Provided	N/A
Modification Drawings	GPD Project #: 2012856.05, dated 7/25/2012	AT&T
Post Modification Inspection	Centek Project #: 12033.OO40, dated 4/24/2013	AT&T
Previous Mount Analysis	All-Points File #: CT141EB9400, dated 2/10/2020	AT&T
Mount Modifications	All-Points File #: CT141EB9400 Rev. 7, updated 2/10/2020	AT&T
Previous Structural Analysis	GPD Project #: 2019736.27, dated 2/28/2020	AT&T

ASSUMPTIONS

This structural analysis is based on the theoretical capacity of the members and is not a condition assessment of the tower. This analysis is from information supplied, and therefore, its results are based on and are as accurate as that supplied data. GPD has made no independent determination, nor is it required to, of its accuracy. The following assumptions were made for this structural analysis.

1. The tower member sizes and shapes are considered accurate as supplied. The material grade is as per data supplied and/or as assumed and as stated in the materials section.
2. The antenna configuration is as supplied and/or as modeled in the analysis. It is assumed to be complete and accurate. All antennas, mounts, coax and waveguides are assumed to be properly installed and supported as per manufacturer requirements.
3. Some assumptions are made regarding antennas and mount sizes and their projected areas based on best interpretation of data supplied and of best knowledge of antenna type and industry practice.
4. All mounts, if applicable, are considered adequate to support the loading. No actual analysis of the mount(s) is performed. This analysis is limited to analyzing the tower only.
5. The soil parameters are as per data supplied or as assumed and stated in the calculations.
6. Foundations are properly designed and constructed to resist the original design loads indicated in the documents provided.
7. The tower and structures have been properly maintained in accordance with TIA Standards and/or with manufacturer's specifications.
8. All welds and connections are assumed to develop at least the member capacity unless determined otherwise and explicitly stated in this report.
9. All prior structural modifications are assumed to be as per data supplied/available and to have been properly installed.
10. Loading interpreted from photos is accurate to $\pm$5' AGL, antenna size accurate to $\pm$3.3 sf, and coax equal to the number of existing antennas without reserve.
11. All existing loading was obtained from the RF Data Sheet (RFDS Name #: CTV2036, dated 6/6/2018), the previous structural analysis by GPD (Project #: 2019736.27, dated 2/28/2020), site photos, and the provided Loading Elevation Sketch and is assumed to be accurate.
12. The final loading configuration has been modeled based on the provided RF Data Sheet (RFDS Name #: CTV2036, dated 6/6/2018) and is assumed to be accurate.
13. Face A azimuth of 105° assumed based on the tower mapping by GPD (Project #: 2013723.01.TAG0053.03, 1/17/2014).

If any of these assumptions are not valid or have been made in error, this analysis may be affected, and GPD should be allowed to review any new information to determine its effect on the structural integrity of the tower.

DISCLAIMER OF WARRANTIES

GPD has not performed a recent site visit to the tower to verify the member sizes or antenna/coax loading. If the existing conditions are not as represented on the tower elevation contained in this report, we should be contacted immediately to evaluate the significance of the discrepancy. This is not a condition assessment of the tower or foundation. This report does not replace a full tower inspection. The tower and foundations are assumed to have been properly fabricated, erected, maintained, in good condition, twist free, and plumb.

The engineering services rendered by GPD in connection with this Structural Analysis are limited to a computer analysis of the tower structure and theoretical capacity of its main structural members. No allowance was made for any damaged, bent, missing, loose, or rusted members (above and below ground). No allowance was made for loose bolts or cracked welds.

This analysis is limited to the designated maximum wind and seismic conditions per the governing tower standards and code. Wind forces resulting in tower vibrations near the structure's resonant frequencies were not considered in this analysis and are outside the scope of this analysis. Lateral loading from any dynamic response was not evaluated under a time-domain based fatigue analysis.

GPD does not analyze the fabrication of the structure (including welding). It is not possible to have all the very detailed information needed to perform a thorough analysis of every structural sub-component and connection of an existing tower. GPD provides a limited scope of service in that we cannot verify the adequacy of every weld, plate connection detail, etc. The purpose of this report is to assess the capability of adding appurtenances usually accompanied by transmission lines to the structure.

It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

The attached sketches are a schematic representation of the analyzed tower. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable estimates and should not be used as a precise construction document. Precise modification drawings are obtainable from GPD, but are beyond the scope of this report.

Miscellaneous items such as antenna mounts, etc., have not been designed or detailed as a part of our work. We recommend that material of adequate size and strength be purchased from a reputable tower manufacturer.

Towers are designed to carry gravity, wind, and ice loads. All members, legs, diagonals, struts, and redundant members provide structural stability to the tower with little redundancy. Absence or removal of a member can trigger catastrophic failure unless a substitute is provided before any removal. Legs carry axial loads and derive their strength from shorter unbraced lengths by the presence of redundant members and their connection to the diagonals with bolts or welds. If the bolts or welds are removed without providing any substitute to the frame, the leg is subjected to a higher unbraced length that immediately reduces its load carrying capacity. If a diagonal is also removed in addition to the connection, the unbraced length of the leg is greatly increased, jeopardizing its load carrying capacity. Failure of one leg can result in a tower collapse because there is no redundancy. Redundant members and diagonals are critical to the stability of the tower.

GPD makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this tower. GPD will not be responsible whatsoever for, or on account of, consequential or incidental damages sustained by any person, firm, or organization as a result of any data or conclusions contained in this report. The maximum liability of GPD pursuant to this report will be limited to the total fee received for preparation of this report.

EXHIBIT 4

Dewberry

Prepared for:
AT&T
550 Cochituate Road Suites 13 & 14
Framingham, MA 01701

Prepared by:
Dewberry Engineers Inc.
99 Summer St., Suite 700
Boston, MA 02110-1200
Project Number: 50123202

Mount Analysis Report and Design Calculations for a Wireless Telecommunications Upgrade

April 28, 2020
(Rev.0)

AT&T Designation:	**Site FA**	10034996
	Site Name	Cheshire CT
	Site ID	CT2036
Analysis Criteria:	**Codes**	TIA-222-H-1, ASCE 7-10, IBC 15 & 2018 CT SBC 125-mph (3-second gust) 50-mph (gust speed) with 0.75" ice
Site Data:		751 Higgins Road, Cheshire, CT 06410 Lat: 41.4874639, Long: -72.9293319 Handrail mounted pipes at 255' centerline Standoff sector frames (B & G) at 255' centerline

Dewberry Engineers, Inc. is pleased to submit this *"Mount Analysis Report"* to determine the structural integrity of the existing antenna mount. The objective of this report is to access the proposed installation of new equipment as detailed in the analysis report.

Analysis Results:

Maximum Utilization of Alpha Sector Structural Member:	**54.0%**	**Pass**
Maximum Utilization of Beta Sector Structural Member:	**67.7%**	**Pass**
Maximum Utilization of Gamma Sector Structural Member:	**65.8%**	**Pass**

Note:
This mount was verified to withstand a **500 lb**. live load concurrent with 30-mph wind speeds.

This analysis has been performed in accordance with the *ANSI/TIA-222-H-2017-H-1 Structural Standard for Antenna Supporting Structures, Antennas, and Small Wind Turbine Support Structures, ASCE 7-10, 2015 International Building Code, 2018 Connecticut State Building Code (SBC)*, and the most recent *AT&T Mount Technical Directive*. If you have any further questions or need further assistance on this or any other projects, please give us a call.

Reviewed by:

Brandon Kelsey
Structural Project Engineer

Approved by:

STATE OF CONNECTICUT · JAMES S. DECELLE JR. · 34044 · LICENSED PROFESSIONAL ENGINEER

James S. DeCelle Jr., P.E.
Structural Project Engineer

Table of Contents

Dewberry

Client: AT&T
Site ID: Cheshire CT
Project No. 50123202
Date: April 28, 2020

1.0 PROJECT SUMMARY & RESULTS

The objective of this report is to assess the proposed installation of new antennas and RRH units mounted to the existing mount pipes and proposed steel standoff sector mounts installed on a 250-foot-tall lattice located in Cheshire, CT.

There are currently existing antennas and support equipment mounted to an existing steel handrail in sectors Alpha, Beta, and Gamma. The existing sectors have an approximate antenna centerline of 255 ft.

For mount analysis parameters, refer to the table below:

Table 1: ANALYSIS PARAMETERS

Wind Speed (mph)	Ice Thickness (in)	Ice Wind Speed (mph)	Exposure Category	Risk Category	Topographic Category	Crest Height (ft)	Seismic Design Category
125	**0.75**	**50**	**B**	**II**	**1**	**N/A**	**B**

For the final loading configuration, refer to the table below:

Table 2: FINAL APPURTENANCE LOADING

Elev.	Status	Carrier	Appurtenance Description	Location
255'	**Proposed**	**AT&T**	**(1) – 800-10966 (Alpha)**	**Position 2**
255'	**Proposed**	**AT&T**	**(2) – 800-10965 (Beta & Gamma)**	**Position 2**
252'	**Proposed**	**AT&T**	**(3) – B14 4478**	**Existing Handrail**
252'	**Proposed**	**AT&T**	**(3) – RRUS-32**	**Existing Handrail**
252'	**Proposed**	**AT&T**	**(3) – Raycap DC2**	**Existing Handrail**
255'	Existing	AT&T	(2) – AM-X-CD-16-65-00T (A & B)	Position 1
255'	Existing	AT&T	(1) – SBNH-1D6565C (Gamma)	Position 1
255'	Existing	AT&T	(1) – HPA-65R-BUU-H8 (Alpha)	Position 3
255'	Existing	AT&T	(2) – HPA-65R-BUU-H6 (B & G)	Position 3
252'	Existing	AT&T	(3) – RRUS-11	Existing Handrail
252'	Existing	AT&T	(3) – RRUS-32-B2	Existing Handrail
255'	Existing	AT&T	(3) – DC-48-60-18-8F	Existing Handrail
AT&T				

For the capacity of each individual member group, refer to the table below:

Table 3: MEMBER UTILIZATION

Sector	Member Type	Member Size	Utilization Ratio	Pass/Fail
Alpha	Platform Handrail Angles	L2.5x2.5x184	**54.0%**	**Pass**
Alpha	Platform Handrail Bent Plates	BP2.75x5x1/4	27.5%	**Pass**
Alpha	Antenna Pipes	2-3/8" O.D. Sch. 40	36.4%	**Pass**
Beta	HSS Standoff Members	HSS 3x3x1/4	**67.7%**	**Pass**
Beta	Mount Horizontal Pipes	2-7/8" O.D. Sch. 40	41.4%	**Pass**
Beta	Antenna Pipes	2-7/8" O.D. Sch. 40	38.0%	**Pass**
Beta	Tower Plate Connection	6"x6"x1/2" A36	14.4%	**Pass**
Beta	Tower Bolt Connection	1/2" dia. A325 bolts	3.4%	**Pass**
Gamma	HSS Standoff Members	HSS 4x4x1/4	40.4%	**Pass**
Gamma	Mount Horizontal Pipes	4" O.D. Sch. 40	**65.8%**	**Pass**
Gamma	Kicker Angles	L4x4x1/4	1.7%	**Pass**
Gamma	Antenna Pipes	2-7/8" O.D. Sch. 40	34.0%	**Pass**
Gamma	Tower Plate Connection	6"x6"x1/4" A36	20.3%	**Pass**
Gamma	Tower Bolt Connection	1/2" dia. A325 bolts	5.0%	**Pass**

2.0 RECOMMENDATIONS & CONCLUSION

The analysis concludes that the existing steel handrail, mounting pipes, and proposed steel standoff sector mounts, as described in the referenced material, **have sufficient** structural capacity to support the proposed installation. Under the proposed conditions, the maximum utilization of a single structural member is **67.7%.**

3.0 CODES, STANDARDS, AND REFERENCES

The structure was analyzed per the provisions of the following codes and standards:

- *International Building Code (IBC) 2015, International Code Council*
- *TIA-222-H-1, Structural Standard for Antenna Supporting Structures and Antennas*
- *Steel Construction Manual 14th Ed, American Institute of Steel Construction (AISC)*
- *ASCE 7-10 Minimum Design Loads for Buildings and Other Structures, American Society of Civil Engineers*
- *2018 Connecticut State Building Code (SBS)*
- *AT&T Mount Technical Directive, Revision 15*

The following documents and references were used for this analysis:

- Radio Frequency Design Sheet by AT&T, date updated 06/06/18.
- Mount photos obtained during site visit by GPD dated 03/31/20.
- Latest Construction Drawings by Dewberry Engineers Inc.
- Platform Mapping by GPD dated 04/09/20.

4.0 ANALYSIS ASSUMPTIONS

- All member properties are A36.
- Existing handrail has a spacing of 5.5 ft. Analysis of the handrail assumes worse case loading, which consists of the heaviest antenna at the mid-point and the four heaviest RRHs/OVPs evenly spaced on the inside face of the handrail
- All equipment is located per latest Construction Drawings by Dewberry Engineers Inc.
- Loading caused by seismic forces does not control the design of the mounts.

5.0 REQUIRED FIELD VERIFICATIONS

- N/A

6.0 WIND CALCULATIONS

The following code-specified strength limit state (LRFD) load combinations were considered in the analysis of the antenna mount *(TIA-222-H)*:

		Where:
1.	1.4D	D = dead load of mount & equipment
2.	1.2D + 1.0W	D_i = dead load of ice
3.	1.2D + 1.0D_i + 1.0 W_i	W = design wind load
		W_i = design ice wind load

The following code-specified serviceability load combinations were considered in the analysis of the antenna mount *(TIA-222-H)*:

		Where:
1.	1.0D + 1.0W_s	W_s = service wind load

In accordance with *AT&T Mount Technical Directive*, Mount Analysis Methods, the following maintenance loads were considered:

		Where:
1.	1.4D	W_m = design maintenance wind load
2.	1.2D + 1.5L_m + 1.0W_m	L_m = design maintenance load *(500 lb)*
3.	1.2D + 1.5L_v	L_v = design maintenance load *(250 lb)*

The following site-specific design parameters were considered in this analysis per the provisions of *TIA-222-H:*

Risk Category:	II	
Exposure Category:	B	
Design Basic Wind Speed:	125 mph	*2018 CT SBC*
Design Ice Wind Speed:	50 mph	*ASCE 7-10 Hazard Tool*
Design Ice Thickness:	0.75 in	*ASCE 7-10 Hazard Tool*
Gust Effect Factor	1.00	*Sect. 16.6, TIA*
Wind Direction Probability Factor	0.95	*Section 16.6, TIA*
Serviceability Wind Speed:	60 mph	*Sect. 2.8.3, TIA*
Maintenance Wind Speed:	30 mph	*Section 16.3, TIA*

7.0 ANALYSIS DISCLAIMERS

If the actual field conditions vary from what was assumed in this analysis, the results and conclusions expressed in this report are invalid and further evaluation is recommended for any proposed installation to continue. Please note that this analysis is limited to the antenna mount only.

Dewberry Engineers, Inc. reserves the right to add to or modify this report if more information becomes available. The conclusions reached by Dewberry Engineers, Inc. in this report are only applicable to the previously mentioned existing structural elements supporting the proposed wireless telecommunications installation. The results of this report are based on the assumption that existing structural elements have been installed per the original design documents, have been well maintained, and are uncompromised. This report does not imply that a thorough inspection of the existing structure has been performed. Any deviation of the support condition, loading, location, placement, equipment configuration, etc., will require Dewberry Engineers, Inc. to generate an additional structural analysis. Further, no structural qualification is made or implied by this report of any existing structural elements.

EXHIBIT 5

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AT&T

□ite □a□e: **Cheshire 3C/4C**

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Che□hire□CT □□□□

June 4, 2019

Site Compliance Summary	
Co□□lian□e □tatu□:	**Compliant**
AT&T total M□□□ o□ □CC □eneral □o□ulation allo□able li□it:	**.01167%**
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CENTERLINE COMMUNICATIONS

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AT&T Mobilit□ □□e□ □n□land
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1	□MT□	8□□	□	4□
2	□T□	70□	□	4□
3	□T□	230□	□	2□
4	□T□	70□	□	3□
5	□T□	190□	□	4□

Table 1: Channel Data Table

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□e□tor	Antenna □u□ber	Antenna Ma□e □Model	Antenna Centerline □t□
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Table 2: Antenna Data

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RESULTS

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Antenna □□	Antenna Ma□e □ Model	□re□uen□□	Antenna □ain □d□d□	Antenna □ei□ht □t□	Channel Count	Total T□ □o□er □□ □	□□□ □□ □	M□□ □
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	□ite Total Co□ □o□ite M□□□							**0.011799 %**

Table 3: AT&T Antenna Inventory & Power Levels

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Frequency Band	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (□W/cm²)	Technology	Allowable MPE (□W/cm²)	Calculated % MPE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	□MT□	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	□T□	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	□T□	[illegible]	[illegible]
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						Site Total	**0.011799%**

Table 6: AT&T MPE Power Values

Summary

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AT&T □e□tor	□o□er □en□it□□alue □□ □
AT&T Contribution:	□□□□□□□□
Other Carrier Contribution:	□□□□□□□□
□ite Total:	**0.011799%**
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The anti□i□ated □o□□o□ite M□□ □alue □or thi□□ite a□□u□in□all □arrier□□re□ent i□ **0.011799%** o□the allo□able □CC e□tabli□hed □eneral □o□ulation li□it □a□□led at the □round le□el□

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Alex Van Abbema
RF EME Technical Writer
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, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

October 24, 2002

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

RE: **EM-AT&T-025-0201002** - AT&T Wireless PCS, LLC d/b/a AT&T Wireless notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear Attorney Fisher:

At a public meeting held on October 23, 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 received in our office on October 2, 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 Sandra R. Mouris, Council Chairman, Town of Cheshire
Michael A. Milone, Town Manager, Town of Cheshire
Richard A. Pfurr, Town Planner, Town of Cheshire
American Telephone and Telegraph Company
Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae
Julie Donaldson Kohler, Hurwitz & Sagarin LLC
Thomas F. Flynn III, Nextel Communications
Michele G. Briggs, Southwestern Bell Mobile Systems
Sandy M. Carter, Verizon Wireless

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EM-AT&T-025-021002

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OCT - 2 2002
CONNECTICUT
SITING COUNCIL

NOTICE OF INTENT TO MODIFY AN EXISTING TELECOMMUNICATIONS FACILITY AT 751 HIGGINS ROAD, CHESHIRE, CONNECTICUT

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. seq. ("PUESA"), and Sections 16-50j-72(b) of the Regulations of Connecticut State Agencies adopted pursuant to the PUESA, AT&T Wireless PCS, LLC, by and through its agent AT&T Wireless PCS, Inc., ("AT&T Wireless") hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 751 Higgins Road, Cheshire, Connecticut (the "Higgins Road Facility"), owned by American Telephone and Telegraph Company (the "Tower Owner"). AT&T Wireless and the Tower Owner have agreed to share the use of the Higgins Road Facility, as detailed below.

The Higgins Road Facility

The Higgins Road Facility consists of an approximately two hundred fifty (250) foot lattice tower (the "Tower") and associated equipment currently being used and/or approved for use for wireless communications by SGI Communications, VoiceStream, Sprint, Nextel, Cingular and Verizon. A chain link fence surrounds the Tower compound. The surrounding land uses are predominantly residential.

AT&T Wireless' Facility

As shown on the enclosed plans prepared by Tectonic/Keyes Associates, including a site plan and tower elevation of the Higgins Road Facility, AT&T Wireless proposes shared use of the Facility by placing antennas on the Tower and equipment cabinets needed to provide personal communications services ("PCS") within the existing fenced compound.[1] AT&T Wireless will install 6 panel antennas at approximately the 170 foot level of the Tower and associated equipment, three Nokia Metrosite GSM BTS units and two Metrosite BBU's (battery back-up units) mounted on the tower leg at approximately 6' AGL. As evidenced in the letter of structural integrity prepared by Communication Structures Engineering, Inc., annexed hereto as Exhibit A, AT&T has confirmed that the tower is structurally capable of supporting the addition of AT&T Wireless' antennas and associated equipment.

AT&T Wireless' Facility Constitutes An Exempt Modification

The proposed addition of AT&T Wireless' antennas and equipment to the Higgins Road Facility constitutes an exempt "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d) and Council regulations promulgated pursuant thereto. Addition of AT&T Wireless' antennas and equipment to the Tower will not result in an increase of the Tower's height nor extend the site boundaries. Further, there will be no increase in noise levels by six (6) decibels or

[1] Other carriers' antennas shown generally on the elevation included with this filing.

more at the Tower site's boundary. As set forth in an Emissions Report[2] prepared by Prabhakar K. Rughoobur, Radio Frequency Engineer, annexed hereto as Exhibit B, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. For all the foregoing reasons, addition of AT&T Wireless' facility to the Tower constitutes an exempt modification which will not have a substantially adverse environmental effect.

Conclusion

Accordingly, AT&T Wireless requests that the Connecticut Siting Council acknowledge that its proposed modification to the Higgins Road Facility meets the Council's exemption criteria.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Town Manager, Town of Cheshire
RJ Wetzel, Bechtel

[2] SGI Communications antennas on the tower are inactive. In addition, AT&T's Horn antennas are a redundant backup system and are not currently operational. See page 4 of the Emissions Report.

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
Internet: ct.gov/csc

Daniel F. Caruso
Chairman

December 29, 2006

Kellie A. Dunn, Site Development
Tower Resource Management, Inc.
30 Lyman Street, Suite 12
Westborough, MA 01581

RE: **EM-CING-025-061130** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear Ms. Dunn:

At a public meeting held on December 12, 2006, 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 with the following conditions:

1. All AT&T equipment including but not limited to equipment shelters, antennas, tower platforms, T-arms, etc., are removed within 180 days of this acknowledgement unless it can be utilized by another carrier within that time period.

2. If AT&T is at the top position on the tower, any tower extension or mast (that only supports AT&T antennas) is removed within 180 days of this acknowledgement unless it can be utilized by another carrier within that time period.

3. The Council recommends that the compounds are cleared of all weeds, brush, and unnecessary clutter.

The proposed modifications are to be implemented as specified here and in your notice dated November 28, 2006, including the placement of all necessary equipment and shelters within the tower compound. 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. 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,

Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable Matt Hall, Council Chairman, Town of Cheshire
Richard A. Pfurr, Town Planner, Town of Cheshire
Kenneth C. Baldwin, Esq., Robinson & Cole LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christine Farrell, T-Mobile
Christopher B. Fisher, Esq., Cuddy & Feder LLP

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone (860) 827-2933 Fax (860) 827-2950
E-Mail siting.council@ct.gov
www.ct.gov/csc

October 31, 2014

Steven L Levine
Centek Engineering, Inc.
63-2 North Branford Road
Branford, CT 06405

RE: **EM-CING-025-141015 –** New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear Mr. Levine:

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:

- The proposed coax shall be installed in accordance with the recommendations made in the Revised Structural Analysis Report prepared by GPD Group dated August 15, 2014 and stamped by John Kabak;
- Not more than 45 days following completion of the antenna installation, AT&T shall provide documentation certified by a professional engineer that its installation complied with the recommendations of the structural analysis;
- 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/Cingular 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 October 10, 2014. 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.

Very truly yours,

Melanie A. Bachman
Acting Executive Director

MAB/CDM/cm

c: The Honorable Timothy Slocum, Chairman, Town of Cheshire
Michael A. Milone, Town Manager, Town of Cheshire
William S. Voelker, AICP, Town Planner, Town of Cheshire

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March 16, 2015

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

RE: **EM-CING-025-150220** – AT&T Mobility notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, 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 January 29, 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.

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/RM/cm

c: The Honorable Timothy Slocum, Chairman, Town of Cheshire
Michael A. Milone, Town Manager, Town of Cheshire
William S. Voelker, AICP, Town Planner, Town of Cheshire

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January 30, 2017

Mark Roberts
QC Development
P.O. Box 916
Storrs, CT 06268

RE: **EM-CING-025-170109** – New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear Mr. Roberts:

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 7, 2017. 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.

Very truly yours,

Melanie A. Bachman
Executive Director

MAB/RDM/cm

c: The Honorable Robert Oris, Jr., Town Council Chairman, Town of Cheshire
Michael A. Milone, Town Manager, Town of Cheshire
William S. Voelker, AICP, Town Planner, Town of Cheshire

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July 16, 2018

Mary Caulfield, Site Acquisition Consultant
c/o New Cingular Wireless, PCS LLC
Centerline Communications
750 West Center Street, Suite 301
West Bridgewater, MA 02379

RE: **EM-CING-025-180622**- New Cingular Wireless PCS, LLC (AT&T) notice of intent to modify an existing telecommunications facility located at 751 Higgins Road, Cheshire, Connecticut.

Dear Ms. Caulfield:

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 June 21, 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 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/CMW/jmb

c: The Honorable Robert Oris, Jr., Chairman, Town of Cheshire
Sean M. Kimball, Town Manager, Town of Cheshire
William S. Voelker, AICP, Town Planner, Town of Cheshire

EXHIBIT 7

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

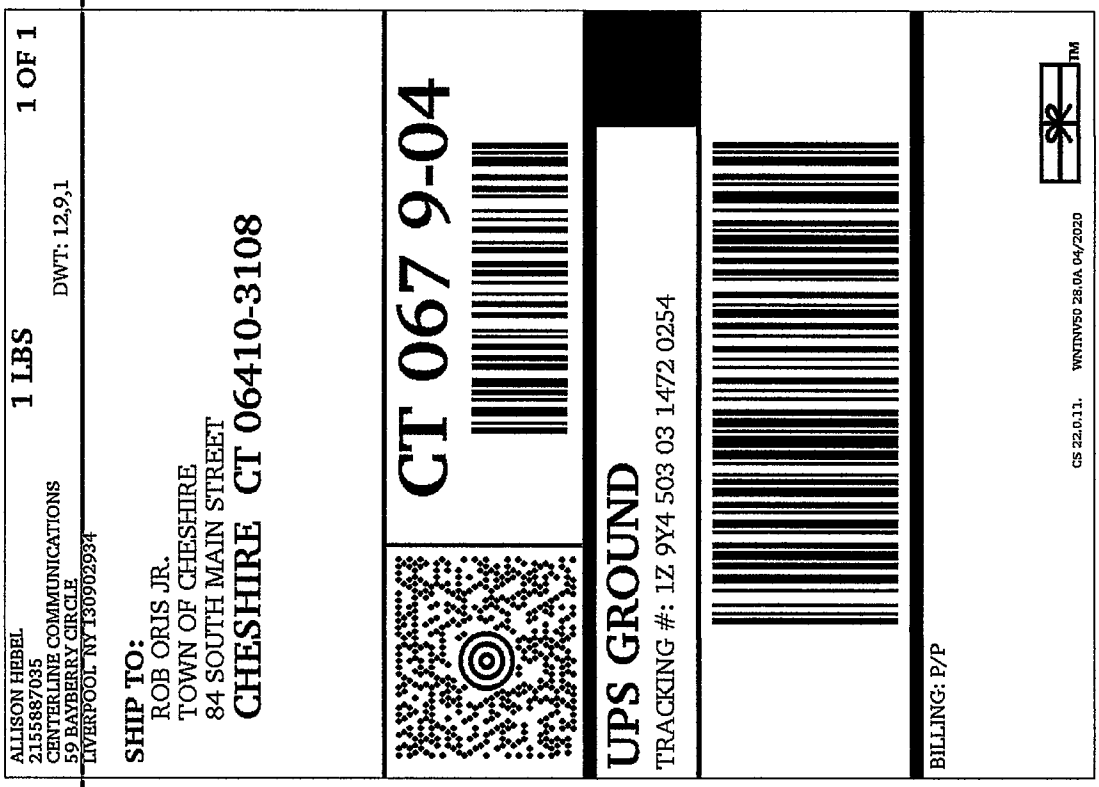
   Customers without a Daily Pickup
   Take your package to any location of The UPS Store®, UPS Access Point(TM) location, UPS Drop Box, UPS Customer Center, Staples® or Authorized Shipping Outlet near you. Items sent via UPS Return Services(SM) (including via Ground) are also accepted at Drop Boxes. To 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
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



UPS CampusShip: View/Print Label

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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(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.

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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

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