Centek Engineering, Inc.
3-2 North Branford Road
Branford, Connecticut 06405
Phone: (203) 488-0580
Fax: (203) 488-8587

Steven L. Levine
Real Estate Consultant

HAND DELIVERED

September 13, 2013

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 40 Sherman Road, Woodstock (owner, Verizon)

Dear Ms. Bachman:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile ("GSM") communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

LTE is a high-performance air interface for cellular mobile communications. It is designed to increase the capacity and speed of mobile telephone networks.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in AT&T's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will be unaffected.

2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.

4. Radio frequency power density may increase due to use of one or more GSM channel for UMTS transmissions. Moreover, LTE will utilize additional radio frequencies newly-licensed by the FCC for cellular mobile communications. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, AT&T respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 830-0380 with questions concerning this matter. Thank you for your consideration.

Sincerely,

Steven L. Levine
Real Estate Consultant

cc: Honorable Allan D. Walker, Jr., 1st Selectman, Town of Woodstock

Attachments

NEW CINGULAR WIRELESS PCS, LLC
Equipment Modification

40 Sherman Road, Woodstock, CT
Site Number 1043
Prior Decisions: Exempt Mods. 6/10 and 11/12

Tower Owner/Manager: Verizon

Equipment configuration: Monopole

Current and/or approved:
Six Powerwave 7770 antennas @ 127 ft
Two KMW AM-X-CD-17-65-00T-RET antennas @ 127 ft c.l.
One Powerwave P65-17-XLH-RR antenna @ 127 ft c.l.
Six Powerwave TMA's @ 127 ft c.l.
Six Ericsson RRUS-11 remote radio heads @ 125 ft c.l.
One Raycap DC6-48-60-18-8F surge arrestor @ 125 ft c.l.
Twelve runs 1-5/8 inch coax
One fiber cable and two DC control cables
Equipment shelter

Proposed modifications:
Install six Ericsson RRUS-11 remote radio heads @ 129 ft c.l.
Install one Raycap DC6-48-60-18-8F surge arrestor @ 129 ft c.l.
Install one fiber cable and two DC control cables

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 38.8 % of the standard adopted by the FCC. There will be no change in radiofrequency emissions due to the proposed equipment modification.

Existing & Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	Percent of Limit
Other Users *							16.80
AT&T LTE *	127	734	1	1771	0.0395	0.4893	8.07
AT&T GSM *	127	880 - 894	1	283	0.0063	0.5867	1.08
AT&T GSM *	127	1900 Band	4	525	0.0468	1.0000	4.68
AT&T UMTS *	127	880 - 894	2	565	0.0252	0.5867	4.29
AT&T UMTS *	127	1900 Band	2	875	0.0390	1.0000	3.90
Total *							38.8%

* Per CSC records.

Structural information:

The attached structural analysis (Centek Engineering Inc., 8/13/13) demonstrates that the tower and foundation are adequate to accommodate the proposed equipment modifications.

PROJECT INFORMATION

SCOPE OF WORK:	UNMANNED TELECOMMUNICATIONS FACILITY UPGRADE (UMTS):
SITE ADDRESS:	40 SHERMAN ROAD WOODSTOCK, CT 06281
LATITUDE:	41.97855 N — 41° 58' 43.1" N
LONGITUDE:	72.09442 W — 72° 05' 39.9" W
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY
NOC#	866-915-5600

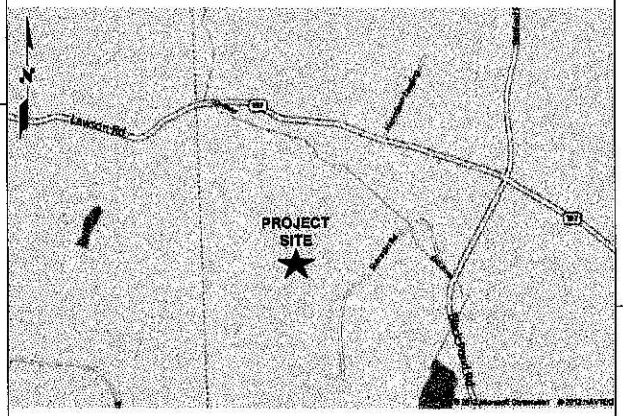
SITE NUMBER: CT1043
SITE NAME: WOODSTOCK CT51

DRAWING INDEX

VICINITY MAP

DIRECTIONS TO SITE:

START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. TURN LEFT ONTO CAPITOL BLVD. TURN LEFT ONTO WEST STREET. MERGE ONTO I-91 N VIA THE RAMP ON THE LEFT TOWARD HARTFORD. 7.8 MILES MERGE ONTO CT-15 N VIA EXIT 29 TOWARD I-84 / EAST HARTFORD / BOSTON. 2.1 MILES CT-15 N BECOMES I-84 E. 28.2 MILES TAKE THE CT-190 EXIT, EXIT 73 TOWARD UNION. 0.4 MILES TURN RIGHT ONTO BUCKLEY HWY / CT-190. 1.9 MILES TURN RIGHT ONTO BIGELOW HOLLOW RD / CT-171. 2.3 MILES STAY STRAIGHT TO GO ONTO LAWSON RD / CT-197. 1.8 MILES TURN RIGHT ONTO CT-198 / BLACK POND RD. 0.3 MILES TAKE THE FIRST RIGHT ONTO SHERMAN RD.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL

BEFORE YOU DIG

CALL TOLL FREE 1-800-922-4455 OR DIAL 811

UNDERGROUND SERVICE ALERT

Hudson Design Groups
1400 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3099
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

SAI
27 NORTHWESTERN DRIVE
SALEM, NH 03079

SITE NUMBER: CT1043
SITE NAME: WOODSTOCK CT51
40 SHERMAN ROAD
WOODSTOCK, CT 06281
WINDHAM COUNTY

at&t
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

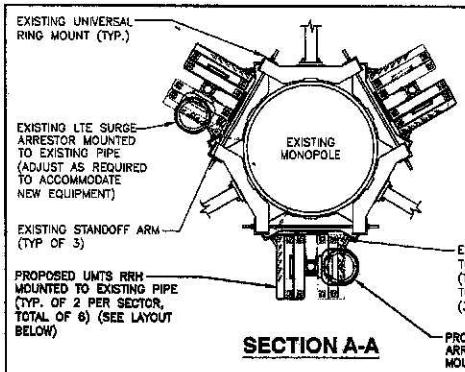
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	09/11/13	ISSUED FOR CONSTRUCTION	SB	AT	DPH
0	08/22/13	REVISED FOR REVIEW	SB	AT	DPH
A	08/19/13	ISSUED FOR REVIEW	SB	AT	DPH

SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: SB

AT&T

TITLE SHEET (UMTS)

JOB NUMBER	DRAWING NUMBER	REV
1043.01	T-1	1

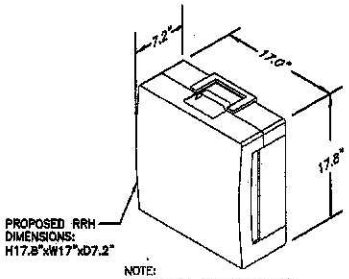


SECTION A-A

NOTE:
AT&T'S LEASED RIGHTS IS FOR A TOTAL (12) RRHS. (3) EXISTING, (6) PROPOSED, & (3) FUTURE.

NOTE:
REFER TO STRUCTURAL ANALYSIS BY CENTEK ENGINEERING DATED AUGUST 5, 2013, REVISED TO AUGUST 13, 2013

NOTE:
CONTRACTOR SHALL ADJUST MOUNTING LOCATION OF SURGE ARRESTOR & RRH'S AS REQUIRED TO AVOID OBSTRUCTING EXISTING CLIMBING LADDER/PEGS.

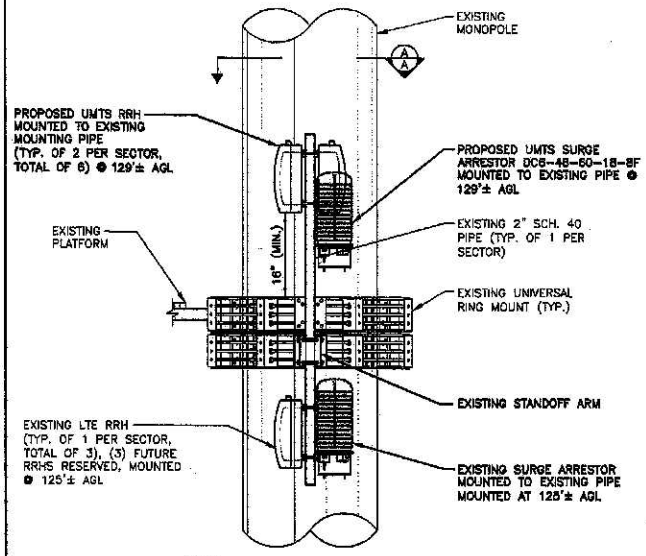


PROPOSED RRH DIMENSIONS: H17.8"xW17"xD7.2"

NOTE: MOUNT PER MANUFACTURER'S SPECIFICATIONS.

RRH DETAIL

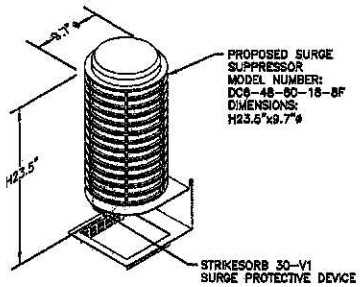
SCALE: N.T.S.



NOTES:
1. REFER TO RFDS & SECTOR SCHEMATICS FOR ANTENNA MODEL, TYPE & QUANTITY REQUIRED PER SECTOR

PROPOSED RRH & SURGE ARRESTOR MOUNTING DETAIL

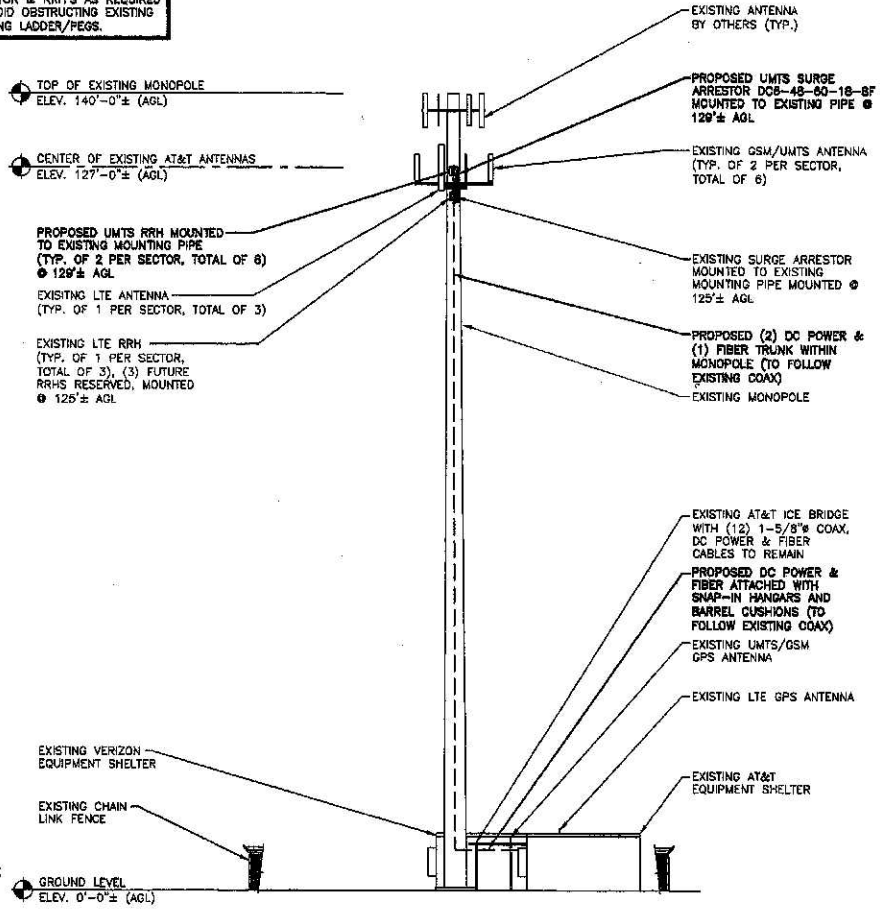
SCALE: N.T.S.



NOTE: MOUNT PER MANUFACTURER'S SPECIFICATIONS.

DC SURGE SUPPRESSOR DETAIL

SCALE: N.T.S.



EAST ELEVATION

SCALE: 3/32"=1'-0"

Hudson Design Group LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3010
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 304-6484

SAI
27 NORTHWESTERN DRIVE
SALEM, NH 03079

SITE NUMBER: CT1043
SITE NAME: WOODSTOCK CT51

40 SHERMAN ROAD
WOODSTOCK, CT 06281
WINDHAM COUNTY

at&t
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

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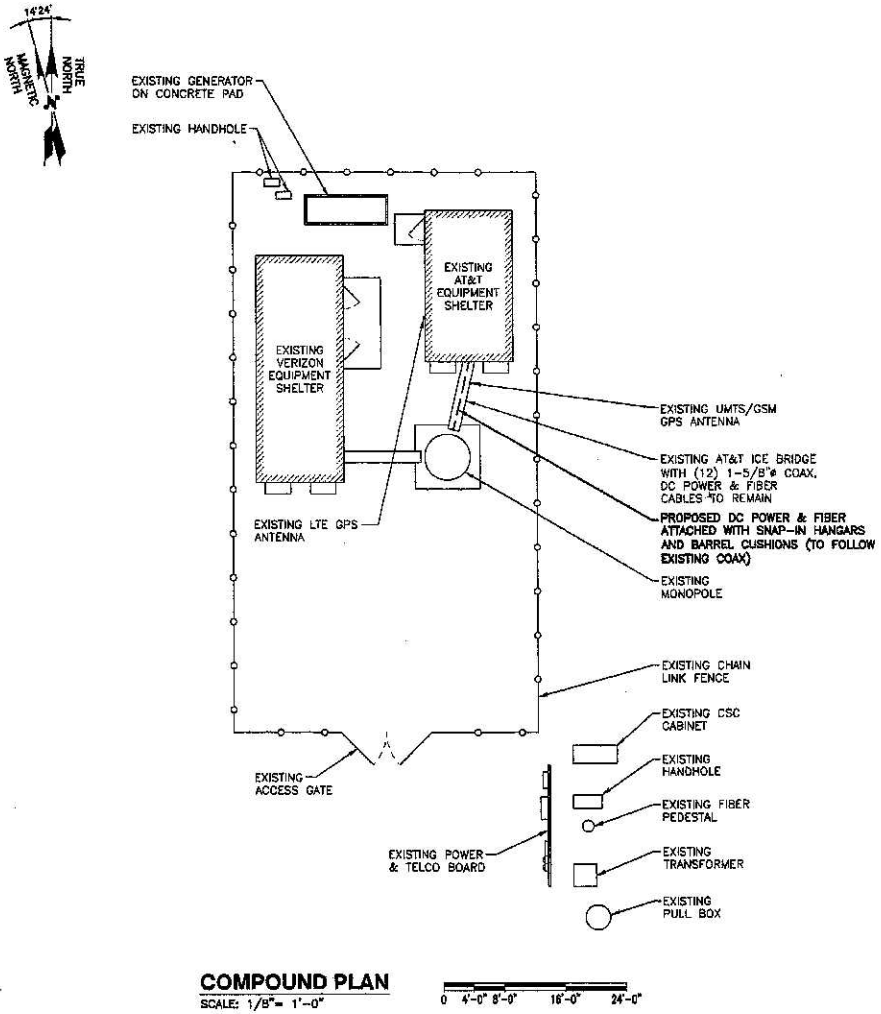
SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: SB

AT&T

DETAILS & ELEVATION (UMTS)

JOB NUMBER	DRAWING NUMBER	REV
1043.01	A-2	1

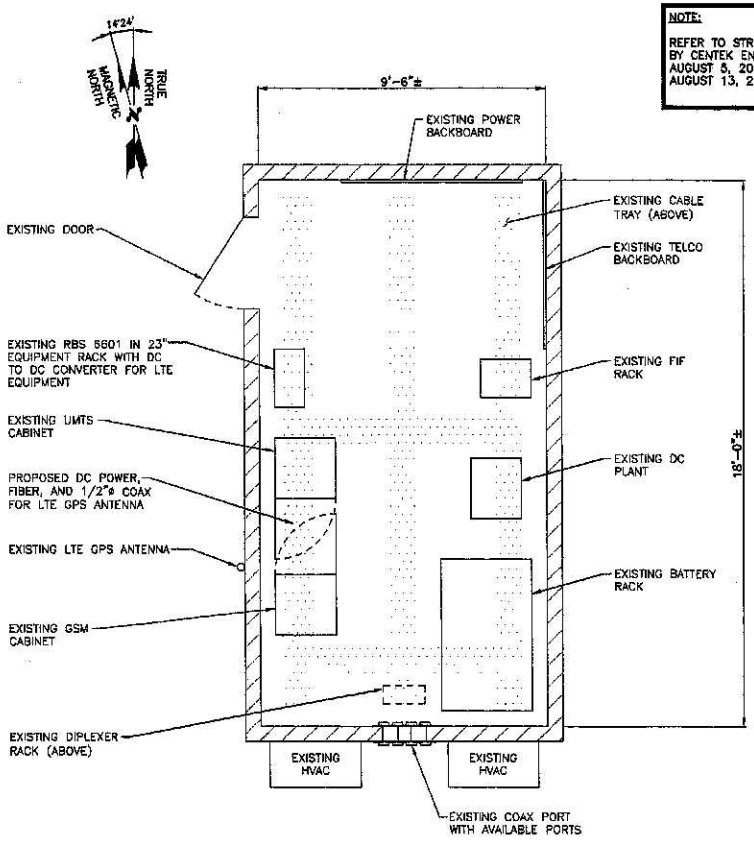


COMPOUND PLAN
SCALE: 1/8"= 1'-0"

0 4'-0" 8'-0" 16'-0" 24'-0"

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

NOTE:
REFER TO STRUCTURAL ANALYSIS BY CENTEK ENGINEERING DATED AUGUST 8, 2013, REVISED TO AUGUST 13, 2013



EQUIPMENT PLAN
SCALE: 1/2"= 1'-0"

0 1'-0" 2'-0" 4'-0" 8'-0"

Hudson Design Group LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5564

SAI
27 NORTHWESTERN DRIVE
SALEM, NH 03079

SITE NUMBER: CT1043
SITE NAME: WOODSTOCK CT51
40 SHERMAN ROAD
WOODSTOCK, CT 06281
WINDHAM COUNTY

at&t
500 ENTERPRISE DRIVE
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SCALE: AS SHOWN | DESIGNED BY: AT | DRAWN BY: SB

AT&T

COMPOUND PLAN & EQUIPMENT PLAN (UMTS)

JOB NUMBER	DRAWING NUMBER	REV
1043.01	A-1	1

CENTEK engineering

Centered on Solutions℠

Structural Analysis Report

140-ft Existing Valmont Monopole

Proposed AT&T Mobility
Antenna Upgrade

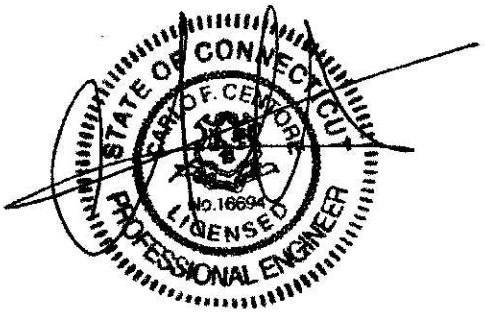
AT&T Site Ref: CT1043

Verizon Site Ref: Woodstock NW

40 Sherman Road
Woodstock, CT

CENTEK Project No. 13212

~~Date: August 5, 2013~~
Rev 1: August 13, 2013



Prepared for:

AT&T Mobility
500 Enterprise Drive, Suite 3A
Rocky Hill, CT 06067

63-2 North Branford Road, Branford, CT 06405 203.488.0580 Fax 203.488.8587 www.CentekEng.com

Introduction

The purpose of this report is to summarize the results of the non-linear, P-Δ structural analysis of the antenna upgrade proposed by AT&T Mobility on the existing monopole (tower) located in Woodstock, CT.

The host tower is a 140-ft tall extendable to 157-ft, three-section, eighteen sided, tapered monopole, originally designed and manufactured by Valmont; project no. 12650-69 dated June 26, 2009. The tower geometry, structure member sizes and foundation system information were obtained from the original manufacturers design documents.

Antenna and appurtenance information were obtained from a previous structural analysis report prepared by Centek job no. 12044.CO12 dated October 8, 2012.

The tower is made up of three (3) tapered vertical sections consisting of A572-65 pole sections. The vertical tower sections are slip joint connected. The diameter of the pole (flat-flat) is 28.58-in at the top and 65.00-in at the base.

AT&T Mobility proposes the installation of six (6) Remote Radio Units (RRU's) and one (1) surge arrestor mounted on a proposed universal ring mount. Refer to the Antenna and Appurtenance Summary below for a detailed description of the proposed antenna and appurtenance configuration.

Antenna and Appurtenance Summary

The existing, proposed and future loads considered in this analysis consist of the following:

- VERIZON (RESERVED):
  Antennas: Six (6) Antel LPA-80063-6CF panel antennas, six (6) Antel BXA-70063-6CF panel antennas, six (6) LPA-171063-12CF panel antennas, six (6) RRH's and one (1) main distribution box mounted to a 13-ft low profile platform with a RAD center elevation of 137-ft above grade.
  Coax Cables: Twelve (12) 1-5/8" ∅ coax cables running on the inside of the existing tower. Six (6) 1-5/8" ∅ coax cables and two (2) 1-5/8" ∅ fiber cable banded to the exterior of the existing tower.
- AT&T (EXISTING):
  Antennas: Six (6) Powerwave 7770.00 panel antennas, two (2) KMW AM-X-CD-17-65-00T-RET panel antennas, one (1) Powerwave P65-17-XLH-RR panel antenna, six (6) Powerwave TT08-19DB111-001 TMA's and six (6) RET's mounted on a 13-ft low profile platform with a RAD center elevation of 127-ft above grade level.
  Coax Cables: Twelve (12) 1-5/8" ∅ coax cables running on the inside of the existing tower.
- AT&T (RESERVED):
  Antennas: Three (3) Powerwave 7770.00 panel antennas, three (3) Powerwave TT08-19DB111-001 TMA's and three (3) RET's mounted on a 13-ft low profile platform with a RAD center elevation of 127-ft above grade level.
  Coax Cables: Six (6) 1-5/8" ∅ coax cables banded to the exterior of the existing tower.

- AT&T (EXISTING):
  Antennas: Six (6) Ericsson RRUS-11 and one (1) Raycap DC6-48-60-18-8F surge arrestor mounted to one (1) universal ring mount with a RAD center elevation of 125-ft above grade level.
  Coax Cables: One (1) fiber cable and two (2) dc control cables running inside of the existing tower.
- **AT&T (PROPOSED):**
  Antennas: Six (6) Ericsson RRUS-11 and one (1) Raycap DC6-48-60-18-8F surge arrestor mounted to one (1) universal ring mount with a RAD center elevation of 129-ft above grade level.
  Coax Cables: One (1) fiber cable and two (2) dc control cables running inside of the existing tower.

Primary Assumptions Used in the Analysis

- The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- The tower carries the horizontal and vertical loads due to the weight of antennas, ice load and wind.
- Tower is properly installed and maintained.
- Tower is in plumb condition.
- Tower loading for antennas and mounts as listed in this report.
- All bolts are appropriately tightened providing the necessary connection continuity.
- All welds are fabricated with ER-70S-6 electrodes.
- All members are assumed to be as specified in the original tower design documents or reinforcement drawings.
- All members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
- All member protective coatings are in good condition.
- All tower members were properly designed, detailed, fabricated, installed and have been properly maintained since erection.
- Any deviation from the analyzed antenna loading will require a new analysis for verification of structural adequacy.
- All existing coax cables to be installed as indicated in this report.

Analysis

The existing tower was analyzed using a comprehensive computer program entitled RISATower. The program analyzes the tower, considering the worst case loading condition. The tower is considered as loaded by concentric forces along the tower shaft, and the model assumes that the shaft members are subjected to bending, axial, and shear forces.

The existing tower was analyzed for the controlling basic wind speed (fastest mile) with no ice and a 75% reduction of wind force with ½ inch accumulative ice to determine stresses in members as per guidelines of TIA/EIA-222-F-96 entitled "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", the American Institute of Steel Construction (AISC) and the Manual of Steel Construction; Allowable Stress Design (ASD).

The controlling wind speed is determined by evaluating the local available wind speed data as provided in Appendix K of the CSBC[1] and the wind speed data available in the TIA/EIA-222-F-96 Standard. The higher of the two wind speeds is utilized in preparation on the tower analysis.

Tower Loading

Tower loading was determined by the basic wind speed as applied to projected surface areas with modification factors per TIA/EIA-222-F, gravity loads of the tower structure and its components, and the application of ½" radial ice on the tower structure and its components.

Basic Wind Speed:	Windham; v = 85 mph (fastest mile)	*[Section 16 of TIA/EIA-222-F-96]*
	Woodstock; v = 100 mph (3 second gust) equivalent to v =80 mph (fastest mile)	*[Appendix K of the 2005 CT Building Code Supplement]*
	TIA/EIA-222-F wind speed controls.	
Load Cases:	Load Case 1; 85 mph wind speed w/ no ice plus gravity load – used in calculation of tower stresses and rotation.	*[Section 2.3.16 of TIA/EIA-222-F-96]*
	Load Case 2; 74 mph wind speed w/ ½" radial ice plus gravity load – used in calculation of tower stresses. The 74 mph wind speed velocity represents 75% of the wind pressure generated by the 85 mph wind speed..	*[Section 2.3.16 of TIA/EIA-222-F-96]*
	Load Case 3; Seismic – not checked	*[Section 1614.5 of State Bldg. Code 2005] does not control in the design of this structure type*

[1] The 2005 Connecticut State Building Code as amended by the 2009 CT State Supplement. (CSBC)

Tower Capacity

Tower stresses were calculated utilizing the structural analysis software RISATower. Allowable stresses were determined based on Table 5 of the TIA/EIA code with a 1/3 increase per Section 3.1.1.1 of the same code.

- Calculated stresses were found to be within allowable limits. In Load Case 1, per RISATower "Section Capacity Table", this tower was found to be at **49.5%** of its total capacity.

Tower Section	Elevation	Stress Ratio (percentage of capacity)	Result
Pole Shaft (L3)	0.00'-46.08'	49.5%	**PASS**

Foundation and Anchors

The existing foundation consists of a 8.5-ft Ø x 4.5-ft long reinforced concrete pier on a 26.0-ft square x 3.0-ft thick reinforce concrete pad. The sub-grade conditions used in the analysis of the existing foundation were obtained from the aforementioned original design report prepared by Valmont job no. 12650-69 dated June 26, 2009. The base of the tower is connected to the foundation by means of (20) 2.25"Ø, ASTM A615-75 anchor bolts embedded approximately 6-ft into the concrete foundation structure.

Review of the foundation and anchor design consisted of verification of applied loads obtained from the tower design calculations and code checks of allowable stresses:

- The tower base reactions developed from the governing Load Case 1 were used in the verification of the foundation and its anchors:

Location	Vector	Proposed Reactions
Base	Shear	31 kips
	Compression	40 kips
	Moment	3015 kip-ft

- The foundation was found to be within allowable limits.

Foundation	Design Limit	IBC 2003/2005 CT State Building Code Section 3108.4.2 (FS)[1]	Proposed Loading (FS)[1]	Result
Reinforced Concrete Pad and Pier	OTM[2]	2.0	2.76	**PASS**

Note 1: FS denotes Factor of Safety.
Note 2: OTM denotes Overturning Moment

- The anchor bolts and base plate were found to be within allowable limits.

Tower Component	Design Limit	Stress Ratio (percentage of capacity)	Result
Anchor Bolts	Compression	52.0%	**PASS**
Base Plate	Bending	23.5%	**PASS**

Conclusion

This analysis shows that the subject tower **is adequate** to support the proposed modified antenna configuration.

The analysis is based, in part, on the information provided to this office by AT&T Mobility. If the existing conditions are different than the information in this report, Centek Engineering, Inc. must be contacted for resolution of any potential issues.

Please feel free to call with any questions or comments.

Respectfully Submitted by:

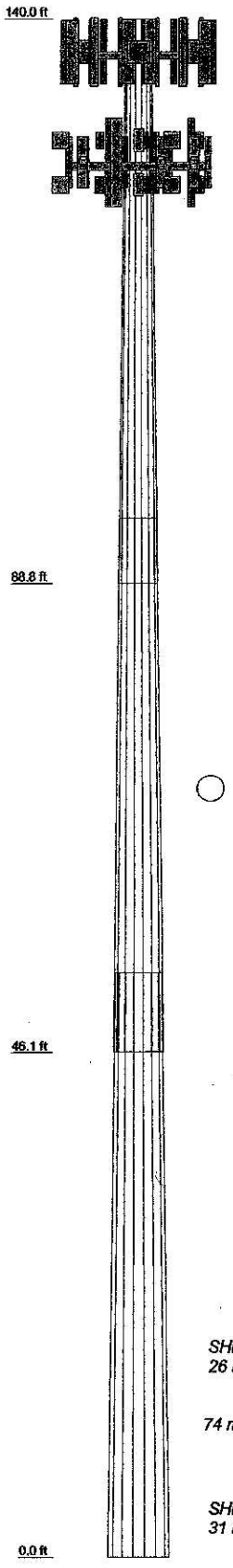
Carlo F. Centore, PE
Principal ~ Structural Engineer

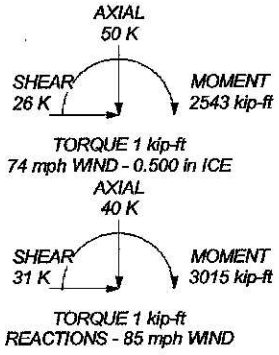
STATE OF CONNECTICUT
CARLO F. CENTORE
No. 18684
LICENSED
PROFESSIONAL ENGINEER

Prepared by:

Timothy J. Lynn, EIT
Structural Engineer

Section	1	2	3
Length (ft)	51.247	46.587	53.250
Number of Sides	18	18	18
Thickness (in)	0.281	0.375	0.438
Socket Length (ft)	5.917	7.167	
Top Dia (in)	28.583	40.236	50.649
Bot Dia (in)	42.393	53.330	65.000
Grade	A572-65	A572-65	A572-65
Weight (K)	5.5	9.1	14.4





DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
LPA-80063/6CF (Verizon - Reserved)	137	(2) TT08-19DB111-001 TMA (ATI - Existing)	127
LPA-171063-12CF (Verizon - Reserved)	137	(2) RET (ATI - Existing)	127
BXA-70063/6CF (Verizon - Reserved)	137	(2) RET (ATI - Existing)	127
BXA-70063/6CF (Verizon - Reserved)	137	(2) RET (ATI - Existing)	127
LPA-171063-12CF (Verizon - Reserved)	137	7770.00 (ATI - Reserved)	127
LPA-80063/6CF (Verizon - Reserved)	137	7770.00 (ATI - Reserved)	127
LPA-80063/6CF (Verizon - Reserved)	137	7770.00 (ATI - Reserved)	127
LPA-171063-12CF (Verizon - Reserved)	137	TT08-19DB111-001 TMA (ATI - Reserved)	127
BXA-70063/6CF (Verizon - Reserved)	137	TT08-19DB111-001 TMA (ATI - Reserved)	127
BXA-70063/6CF (Verizon - Reserved)	137	TT08-19DB111-001 TMA (ATI - Reserved)	127
LPA-171063-12CF (Verizon - Reserved)	137	RET (ATI - Reserved)	127
LPA-80063/6CF (Verizon - Reserved)	137	RET (ATI - Reserved)	127
LPA-80063/6CF (Verizon - Reserved)	137	RET (ATI - Reserved)	127
LPA-171063-12CF (Verizon - Reserved)	137	Valmont 13' Low Profile Platform (ATI - Existing)	127
BXA-70063/6CF (Verizon - Reserved)	137	P65-17-XLH-RR (ATI - Existing)	127
BXA-70063/6CF (Verizon - Reserved)	137	AM-X-CD-17-65-00T-RET (ATI - Existing)	127
LPA-171063-12CF (Verizon - Reserved)	137	AM-X-CD-17-65-00T-RET (ATI - Existing)	127
LPA-80063/6CF (Verizon - Reserved)	137	(2) 7770.00 (ATI - Existing)	127
(2) RRH (Verizon - Reserved)	137	(2) 7770.00 (ATI - Existing)	127
(2) RRH (Verizon - Reserved)	137	(2) 7770.00 (ATI - Existing)	127
(2) RRH (Verizon - Reserved)	137	(2) TT08-19DB111-001 TMA (ATI - Existing)	127
DB-T1-6Z-8AB-0Z (Verizon - Reserved)	137	(2) TT08-19DB111-001 TMA (ATI - Existing)	127
Valmont 13' Low Profile Platform (Verizon - Existing)	137	(2) RRUS-11 (ATI - Existing)	125
(2) RRUS-11 (ATI - Proposed)	129	(2) RRUS-11 (ATI - Existing)	125
(2) RRUS-11 (ATI - Proposed)	129	(2) RRUS-11 (ATI - Existing)	125
(2) RRUS-11 (ATI - Proposed)	129	DC6-48-60-18-8F Surge Arrestor (ATI - Existing)	125
DC6-48-60-18-8F Surge Arrestor (ATI - Proposed)	129	Valmont Uni-Tri Bracket (ATI - Existing)	125
Valmont Uni-Tri Bracket (ATI - Proposed)	129		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Windham County, Connecticut.
2. Tower designed for a 85 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 74 mph basic wind with 0.50 in ice.
4. Deflections are based upon a 60 mph wind.
5. Weld together tower sections have flange connections.
6. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
7. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
8. Welds are fabricated with ER-70S-6 electrodes.
9. TOWER RATING: 49.5%

Centek Engineering Inc.
63-2 North Branford Rd.
Branford, CT 06405
Phone: (203) 488-0580
FAX: (203) 488-8587

Job: 13212 - CT1043			
Project: 140' Valmont Monopole - 40 Sherman Rd., Woodstock, CT			
Client: AT&T Mobility	Drawn by: TJL	App'd:	
Code: TIA/EIA-222-F	Date: 08/13/13	Scale: NTS	
Path: J:\Jobs\1321200.WB\Rev (1)\Calcs\ERI\140' Monopole.eri		Dwg No. E-1	

Centek Engineering, Inc.
3-2 North Branford Road
Branford, Connecticut 06405
Phone: (203) 488-0580
Fax: (203) 488-8587

Steven L. Levine
Real Estate Consultant

September 13, 2013

Honorable Allan D. Walker, Jr.
1st Selectman, Town of Woodstock
Town Office Building 415 Rte. 169
Woodstock, Connecticut 06281-3039

Re: Telecommunications Facility – 40 Sherman Road, Woodstock

Dear Mr. Walker:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") and Long Term Evolution ("LTE") capabilities, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review AT&T's proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The enclosed Notice fully sets forth the AT&T proposal. However, if you have any questions or require any further information on the plans for the site or the Siting Council's procedures, please contact the undersigned at 860-830-0380 or Ms. Melanie Bachman, Acting Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure