



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

January 31, 2014

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 tele-communications facility located at 90 North Plains Industrial Road (owner, American Tower)

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: Mayor William W. Dickson, Jr., Town of Wallingford

Attachments

**NEW CINGULAR WIRELESS PCS, LLC
Equipment Modification**

90 North Plains Industrial Road, Wallingford
Site Number 5173
Prior Decisions: Exempt Mods 12/99, 3/02, 3/03, 7/06, 5/12

Tower Owner/Manager: American Tower

Equipment configuration: Monopole

Current and/or approved: Platform with handrails @ 160 ft
Six PowerWave 7770 antennas @ 164 ft c.l.
Three KMW AM-X-CD-16-65-00T-RET antennas @ 164 ft c.l.
Six PowerWave TMA's @ 164 ft
Six remote radio heads @ 160 ft
One Raycap DC6-48-60-18-8F surge arrestor @ 160 ft
Twelve lines 1 5/8 inch coax
One fiber cable and two DC control cables
Radio equipment in shelter

Proposed modifications: Remove existing platform and all attached equipment.
Remove six lines of coax. To remain: Six lines coax; fiber; and DC.
Install new Commscope MTC 3607 low profile platform @ 160 ft.
Re-install three KMW AM-X-CD-16-65-00T-RET antennas @ 160 ft c.l.
Install nine CCI HPA-65R-BUU-H6 antennas @ 160 ft c.l.
Install three new TMA's @ 160 ft.
Install 18 remote radio heads and six associated A2 modules. @ 160 ft.
Install three Raycap DC6-48-60-18-8F surge arrestors @ 160 ft.
Install four DC control cables.

Power Density:

Calculations for AT&T's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 67.4 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for AT&T's planned operations would be approximately 61.5 % of the standard.

Existing

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 *							55.47
AT&T GSM *	164	880 - 894	1	283	0.0038	0.5867	0.64
AT&T GSM *	164	1900 Band	4	525	0.0281	1.0000	2.81
AT&T UMTS *	164	880 - 894	2	565	0.0151	0.5867	2.57
AT&T UMTS *	164	1900 Band	2	875	0.0234	1.0000	2.34
AT&T LTE *	164	734	1	1313	0.0176	0.4893	3.59
Total *							67.4%

* Per CSC records

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 *							55.47
AT&T LTE	160	700 Band	1	500	0.0070	0.4667	1.50
AT&T LTE	160	1900 Band	1	500	0.0070	1.0000	0.70
AT&T LTE	160	2300 Band	1	500	0.0070	1.0000	0.70
AT&T UMTS	160	880 - 894	2	500	0.0140	0.5867	2.39
AT&T UMTS	160	1900 Band	1	500	0.0070	1.0000	0.70
Total							61.5%

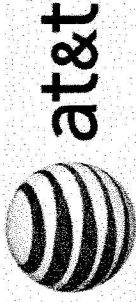
* Per CSC records

Structural information:

The attached structural analysis (American Tower, 1/16/14) demonstrates that the tower and foundation are adequate to accommodate the proposed equipment modifications.

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS
 SITE ADDRESS: 90 NORTH PLAINS INDUSTRIAL RD.
 WALLINGFORD, CT 06492
 LATITUDE: 41.480833° N 41° 28' 50.7" N
 LONGITUDE: -72.827222° W -72° 49' 03.8" W
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 (P) USE: TELECOMMUNICATIONS FACILITY
 NOC# 800-832-6662



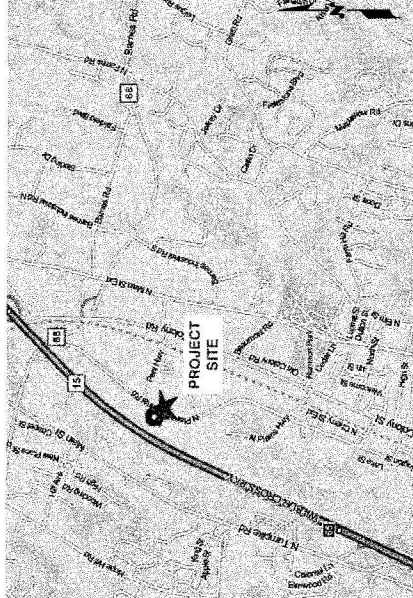
SITE NUMBER: CT5173
SITE NAME: YALESVILLE

DRAWING INDEX

REV	DESCRIPTION
0	T-1 TITLE SHEET
0	GN-1 GENERAL NOTES
0	A-1 PLAN VIEWS
0	A-2 ELEVATIONS
0	A-3 DETAILS
0	A-4 DETAILS
0	A-5 ANTENNA PLANS
0	G-1 GROUNDING, ONE-LINE DIAGRAM & DETAILS

VICINITY MAP

COCHITUATE RD, FRAMINGHAM, MA 01701 1. HEAD WEST ON COCHITUATE RD TOWARD BURR ST 220 FT 2. TAKE THE 1ST RIGHT ONTO BURR ST 443 FT 3. MAKE A U-TURN AT LEGGAT MCCALL CONN 0.1 MI 4. TURN LEFT ONTO COCHITUATE RD 285 FT 5. TAKE THE RAMP TO I-90 E/MASSPIKE W/SPRINGFIELD/BOSTON TOLL ROAD 0.6 MI 6. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR INTERSTATE 90 W/MASSACHUSETTS TURNPIKE/WORCHESTER/SPRINGFIELD AND MERGE ONTO I-90 W/MASSACHUSETTS TURNPIKE PARTIAL TOLL ROAD 38.3 MI 7. TAKE EXIT 9 TO MERGE ONTO I-84 TOWARD US-20/HARTFORD/NEW YORK CITY PARTIAL TOLL ROAD ENTERING CONNECTICUT 41.7 MI 8. KEEP LEFT TO CONTINUE ON CT-15 S, FOLLOW SIGNS FOR I-91 S/CHARTER OAK BRIDGE/N Y. CITY 1.1 MI 9. CONTINUE ONTO CT-15 S/US-5 0.8 MI 10. TAKE EXIT 86 TO MERGE ONTO I-91 S TOWARD NEW HAVEN/NEW YORK CITY 17.1 MI 11. TAKE EXIT 17 FOR CT-15 S/W CROSS PKWY 0.4 MI 12. MERGE ONTO CT-15 S 3.2 MI 13. TAKE EXIT 66 FOR US-5 TOWARD WALLINGFORD/MERIDEN 0.2 MI 14. TURN LEFT ONTO US-5 S/N COLONY RD 0.9 MI 15. TURN RIGHT ONTO PENT HWY 0.4 MI 16. TURN LEFT ONTO N PLAINS INDUSTRIAL RD DESTINATION WILL BE ON THE LEFT 433 FT 90 N PLAINS INDUSTRIAL RD WALLINGFORD, CT 06492



GENERAL NOTES

- THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE, WITH OR WITHOUT EXPRESS WRITING, FOR THE PROHIBITED, DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
- 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 SEMER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
- 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.

UNDERGROUND SERVICE ALERT



CALL TOLL FREE
 1-888-344-7233
 72 HOURS BEFORE YOU DIG



SITE ACQUISITION, INC.
 1000 WASHINGTON DRIVE
 SALEM, NH 03078



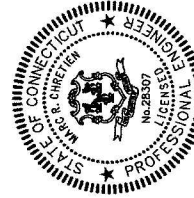
SITE NUMBER: CT5173
SITE NAME: YALESVILLE
 90 NORTH PLAINS INDUSTRIAL RD
 WALLINGFORD, CT 06492
 NEW HAVEN COUNTY



560 COCHITUATE ROAD, SUITE 13,
 FRAMINGHAM, MA 01701-4881

NO.	DATE	REVISIONS	DESIGNED BY: MJC	DRAWN BY: DMJ
1	1/29/14	ISSUED FOR CONSTRUCTION	MJC	MJC
2	1/29/14	LIE 20	MJC	MJC
3	1/29/14	REVISIONS	MJC	MJC
4	1/29/14	REVISIONS	MJC	MJC

AT&T
 TITLE SHEET
 DRAWING NUMBER
 T-1
 0



Mark A. Johnston

TOP OF (E) MONOPOLE ELEV. = 184'± A.G.L.

(E) ANTENNAS (OTHERS)

CTR OF (E) & (P) AT&T ANTENNAS ELEV. = 160'± A.G.L.

(E) ANTENNAS (OTHERS)

(E) ANTENNAS (OTHERS)

(E) ANTENNAS (OTHERS)

(E) 184'± A.G.L. MONOPOLE

(P) LOW PROFILE PLATFORM ASSEMBLY (COMSCOPE PART# MTC 3807)

(18) (P) REMOTE RADIO HEADS & (6) A2 UNITS (RRH) TO BE INSTALLED ON (P) MOUNTING PIPES, TYP.

(E) AT&T ANTENNAS EQUIPMENT AND SECTOR FRAMES TO BE REMOVED

(P) PANEL ANTENNAS ON (P) ANTENNA PLATFORM (3) PER SECTOR, (9) TOTAL, TYP.

(2) (P) & (1) (E) (RELOCATED) SURGE ARRESTORS TO BE INSTALLED ON (P) MOUNTING PIPES BELOW (P) RRHS, TYP.

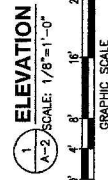
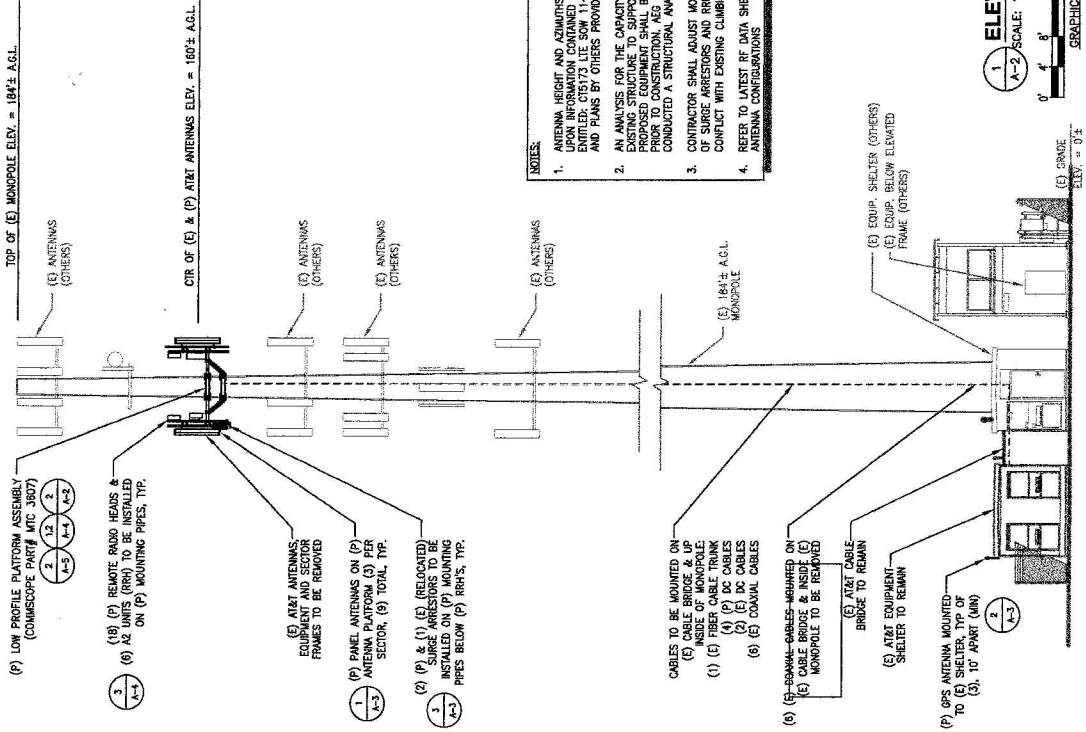
CABLES TO BE MOUNTED ON (E) CABLE BRIDGE & UP INSIDE OF MONOPOLE:
 (1) (E) FIBER CABLE TRUNK
 (4) (P) DC CABLES
 (5) (E) COAXIAL CABLES

(E) AT&T ANTENNAS EQUIPMENT ON (E) AT&T EQUIPMENT SHELTER TO REMAIN

(E) AT&T EQUIPMENT SHELTER TO REMAIN

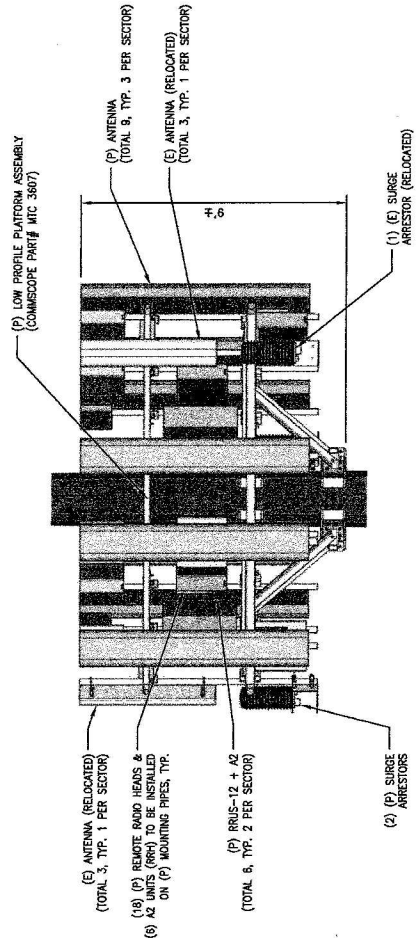
(P) GPS ANTENNA MOUNTED TO (E) SHELTER, TYP OF (3), 10' APART (MIN)

(E) EQUIP. SHELTER (OTHERS)
 (E) EQUIP. BELOW ELEVATED FRAME (OTHERS)



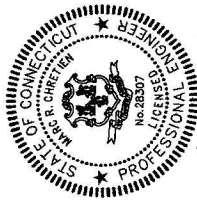
NOTES:

1. ANTENNA HEIGHT AND AZIMUTHS ARE BASED UPON INFORMATION CONTAINED IN DOCUMENT ENTITLED, 91573 LIE SW 11-25-2013.PDF AND PLANS BY OTHERS PROVIDED BY CLIENT
2. AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED ANTENNAS AND EQUIPMENT WAS CONDUCTED PRIOR TO CONSTRUCTION. AEG HAS NOT CONDUCTED A STRUCTURAL ANALYSIS.
3. CONTRACTOR SHALL ADJUST MOUNTING LOCATION OF SURGE ARRESTORS AND BRUS TO AVOID CONFLICT WITH EXISTING CLIMBING LADDER/PIES
4. REFER TO LATEST RF DATA SHEET FOR FINAL ANTENNA CONFIGURATIONS



2 ANTENNA SIDE VIEW
 SCALE: N.T.S.

HALF SIZE PRINT
 THIS DRAWING IS SCALEABLE
 AT HALF THE NOTED SCALE



M.M. P. [Signature]

DATE	1/28/14	ISSUED FOR CONSTRUCTION	BY	CHP/MPH
DATE	1/23/14	REVISIONS	BY	CHP/MPH
DATE		DESIGNED BY: WSC	DRAWN BY:	DWD
DATE		SCALE: AS SHOWN	PROJECT NUMBER:	A-2
DATE		PROJECT NUMBER:	DRAWING NUMBER:	A-2
DATE		PROJECT NUMBER:	DRAWING NUMBER:	0

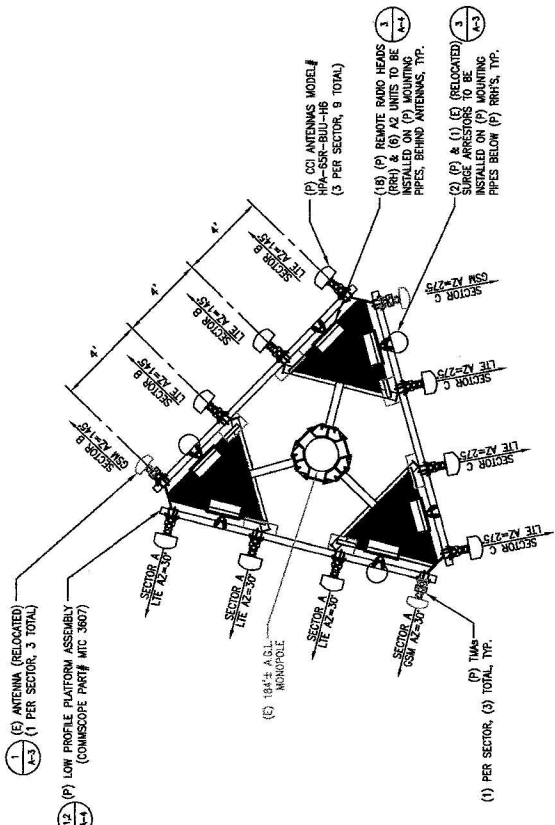


SITE NUMBER: CT5173
 SITE NAME: YALESVILLE
 90 NORTH PLAINS INDUSTRIAL RD
 WASHINGTON, CT 06492
 NEAR TAVEN COUNTY

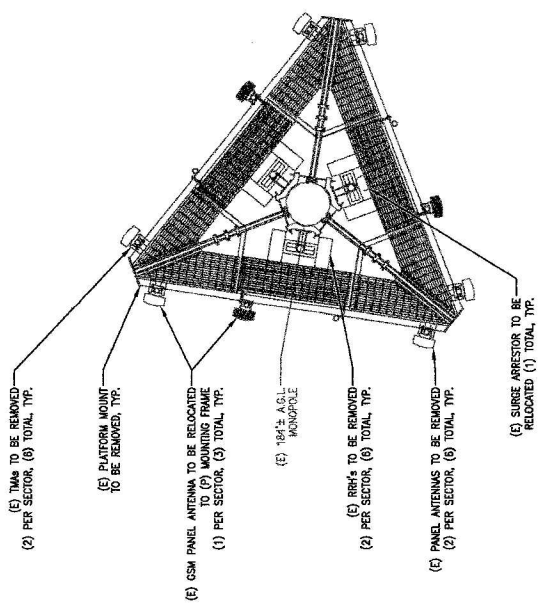
SITE ACQUISITION, INC.
 200 NORTHWESTERN DRIVE
 SALEM, NH 03075



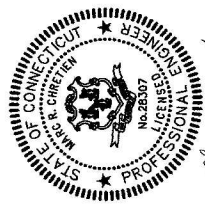
ADVANCED
 CIVIL ENGINEERING, SITE CONSTRUCTION SURVEYING
 200 NORTHWESTERN DRIVE
 SALEM, NH 03075
 TEL: 603-883-2500



2 PROPOSED ANTENNA PLAN
SCALE: 3/8" = 1'-0"



1 EXISTING ANTENNA PLAN
SCALE: 3/8" = 1'-0"

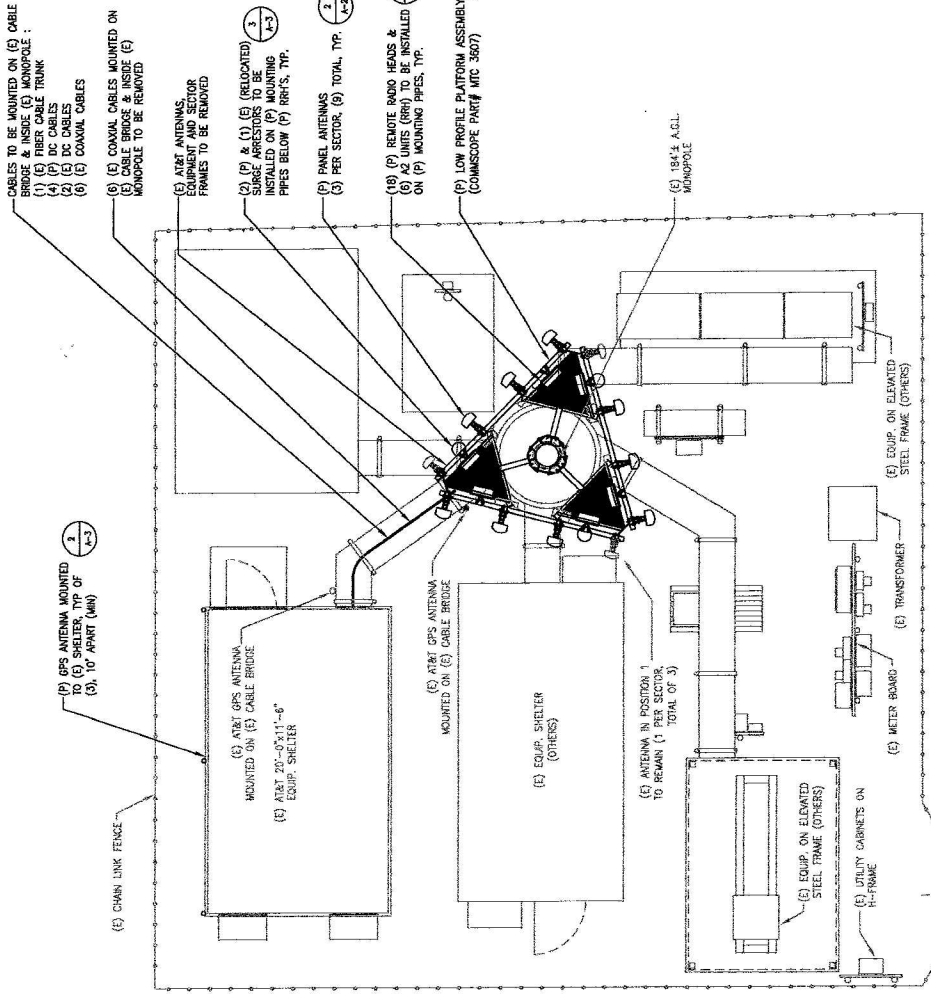


	ADVANCED ENGINEERING CONSULTANTS Civil Engineering - Site Development Surveying 100 Main Street Suite 200 Wallingford, CT 06495 Tel: 203-261-8884	SITE ACQUISITION, INC. 100 North Main Street Salem, NH 03078	SITE NUMBER: CT5173 SITE NAME: VALESVILLE 90 NORTH PLAINS INDUSTRIAL RD WALLINGFORD, CT 06492 NEW HAVEN COUNTY	 555 COCKSHUTE ROAD, SUITE 13, FRAMINGHAM, MA 01701-4661	DESIGNED BY: MRC	DRAWN BY: DMJ	DATE: 1/28/14	REVISIONS:	CHECKED BY:	SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION: 1/28/14	DATE: 1/28/14	PROJECT: CT5173	SHEET: 015173	DRAWING NUMBER: A-5	ANTENNA PLANS	AT&T
					DESIGNED BY: MRC	DRAWN BY: DMJ	DATE: 1/28/14	REVISIONS:	CHECKED BY:	SCALE: AS SHOWN	ISSUED FOR CONSTRUCTION: 1/28/14	DATE: 1/28/14	PROJECT: CT5173	SHEET: 015173	DRAWING NUMBER: A-5	ANTENNA PLANS	AT&T

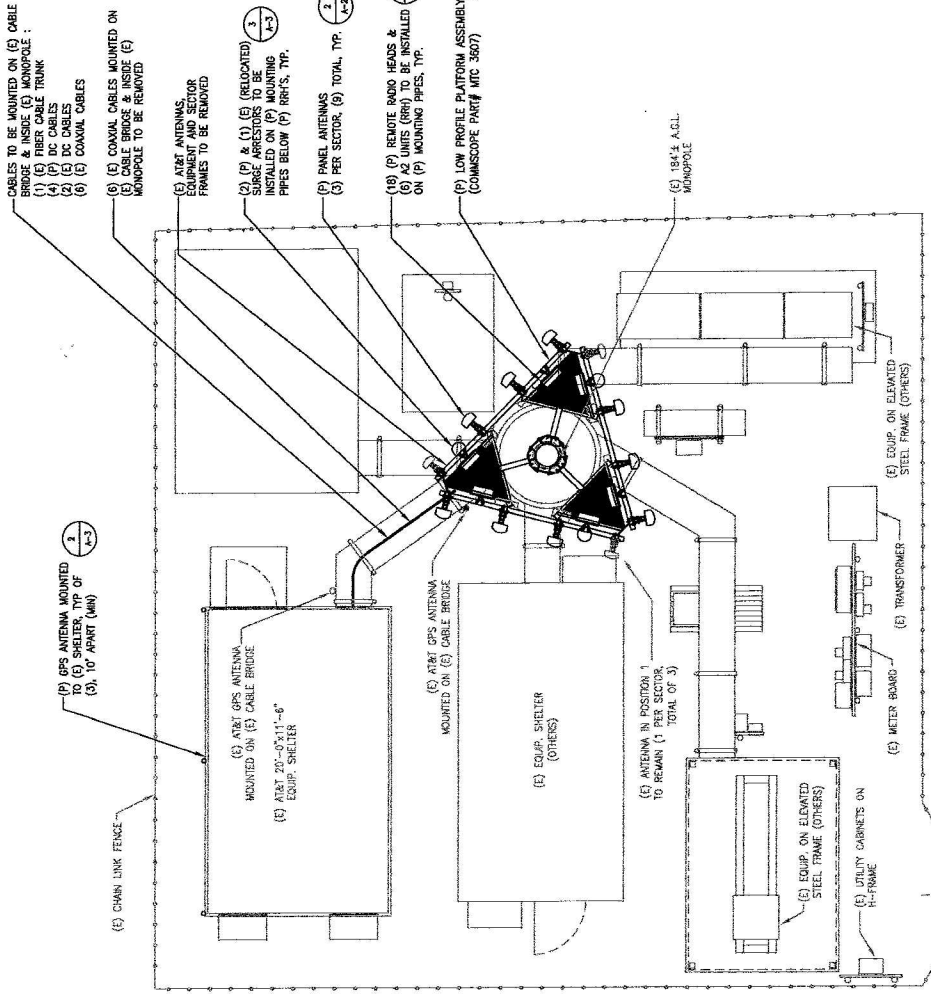
HALF SIZE PRINT
THIS DRAWING IS SCALABLE
AT THE INDICATED SCALE

- (P) GPS ANTENNA MOUNTED ON (E) CABLE BRIDGE & INSIDE (E) MONOPOLE
- (1) (E) FIBER CABLE TRUNK
- (4) (P) DC CABLES
- (2) (E) DC CABLES
- (6) (E) COAXIAL CABLES
- (E) CONVEX CABLES MOUNTED ON MONOPOLE TO BE REMOVED
- (E) AIR-T ANTENNAS, EQUIPMENT AND SECTOR FRAMES TO BE REMOVED

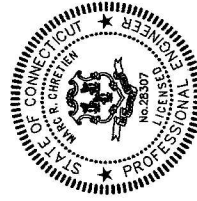
- (2) (P) & (1) (E) (RELOCATED) SURGE ARRESTORS TO BE INSTALLED ON (P) MOUNTING PIPES BELOW (P) AIR-T'S, TYP.
- (3) PER SECTOR, (9) TOTAL, TYP.
- (18) (P) REMOTE RADIO HEADS & (6) AZ UNITS (RRR) TO BE INSTALLED ON (P) MOUNTING PIPES, TYP.
- (9) LOW PROFILE PLATFORM ASSEMBLY (COMSCOPE PART# MTC 3607)



1
A-1 SCALE: 1/4"=1'-0"
GRAPHIC SCALE
0' 2'-0" 4'-0" 8'-0" 12'-0"



2
A-1 SCALE: 1/2"=1'-0"
GRAPHIC SCALE
0' 1'-0" 2'-0" 4'-0" 6'-0"



M. R. Christen

S&A

ADVANCED
ENGINEERING GROUP, P.C.
Telecommunications Development Group
1500 North Main Street
Salem, NH 03079
Tel: 603-885-3500
Fax: 603-885-3501

S&A

SITE ACQUISITION, INC.
27 NORTHWESTERN DRIVE
SALEM, NH 03079

SITE NUMBER: CT5173
SITE NAME: YALESVILLE
90 NORTH PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
NEW HAVEN COUNTY

550 COCHITUATE ROAD, SUITE 13,
FRAMINGHAM, MA 01701-4661

REV	DATE	BY	CHKD	APP'D	REVISIONS
0	1/29/14	JLE	MS	MS	ISSUED FOR CONSTRUCTION
A	1/29/14	JLE	MS	MS	REVISED FOR PERMITS

SCALE: AS SHOWN
DESIGNED BY: MRC
DRAWN BY: DWD

AT&T	
PLAN VIEWS	DATE
DATE	DRAWING NUMBER
05/7/13	A-1
0	0



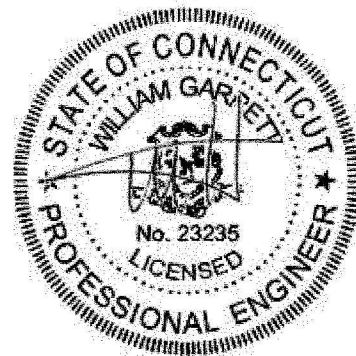
AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 178.5 ft Monopole
ATC Site Name : Bilkays Express, CT
ATC Site Number : 302467
Engineering Number : 54965922
Proposed Carrier : AT&T Mobility
Carrier Site Name : AWE – Yalesville
Carrier Site Number : CT5173/FA#10071351
Site Location : 90 North Plains Industrial Rd.
Wallingford, CT 06492-2334
41.480761, -72.817700
County : New Haven
Date : January 16, 2014
Max Usage : 74%
Result : Pass

Isaac P. Dodson
Structural Engineer I

Isaac P. Dodson



Jan 16 2014 2:22 PM



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 178.5 ft monopole to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	FWT Job #18357, dated March 19, 1999
Foundation Drawing	FWT Job #18357, dated March 19, 1999
Geotechnical Report	Tectonic Engineering Work Order #1170.C947C, dated March 11, 1999

Analysis

The tower was analyzed using American Tower Corporation's tower analysis software. This program considers an elastic three-dimensional model and second-order effects per ANSI/TIA-222.

Basic Wind Speed:	110 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.



Existing and Reserved Equipment

Mount Elev. ¹ (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
178.5	3	72" x 12" Panel	Low Profile Platform	(12) 1 5/8" Coax	Sprint Nextel
	9	48" x 12" Panel			
171.0	1	DragonWave A-ANT-18G-2-C	Collar	(6) 5/16" Coax (2) 2" Conduit (2) 1/2" Coax	Clearwire
	3	NextNet BTS-2500			
	3	Argus LLPX310R			
	2	DragonWave Horizon Compact			
	1	DragonWave A-ANT-11G-2-C			
160.0	6	14" x 9" TTA	Platform w/ Handrails	(12) 1 5/8" Coax	AT&T Mobility
	3	Powerwave 7770.00			
148.0	3	Ericsson KRY 112 144/1	T-Arm w/ Working Platforms	(12) 1 5/8" Coax (1) 1 1/4" Hybriflex	T-Mobile
	3	Ericsson AIR 21, 1.3 M, B2A B4			
	3	Ericsson AIR 21, 1.3M, B4A B2P			
135.0	3	Antel BXA-70063-6CF-EDIN-X	Low Profile Platform	(18) 1 5/8" Coax	Verizon Wireless
	6	RFS FD9R6004/2C-3L			
	3	Antel BXA-80063-6BF-EDIN-X			
	3	Antel BXA-171063-8BF-EDIN-X			
	3	Alcatel-Lucent RRH2x40-AWS			
	1	RFS DB-T1-6Z-8AB-OZ			
	3	Alcatel-Lucent RRH2x40 (700)			
	3	Antel BXA-171063-12BF-EDIN			
128.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
118.0	6	Andrew DB980H90R-KL	Low Profile Platform	(6) 1 1/4" Coax (3) 1 1/4" Hybriflex	Sprint Nextel
	3	RFS APXVSP18-C-A20			
116.0	3	Alcatel-Lucent 800 MHz RRH			
	3	Alcatel-Lucent 1900 MHz 4x45 R			
20.0	1	PCTEL GPS-TMG-HR-26N	Standoff	(1) 1/2" Coax	

Proposed Equipment

Elevation ¹ (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
160.0	160.0	3	Powerwave 7020	Platform w/ Handrails	(6) 0.78" 8 AWG 6 (1) 0.39" Fiber Trunk	AT&T Mobility
		3	Raycap DC6-48-60-18-8F			
		3	CCI DTMABP7819VG12A			
		6	Ericsson RRUS A2 Module			
		6	Ericsson RRUS 11			
		6	Ericsson RRUS-12 B2			
		3	Ericsson RRUS E2 B29			
		3	Ericsson RRUS-32			
		9	CCI HPA-65R-BUU-H6			

¹Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Install proposed coax inside the pole shaft.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	74%	Pass
Shaft	67%	Pass
Base Plate	57%	Pass

Foundations

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	5,025.0	6,783.8	6,018.1	89%
Shear (Kips)	39.9	53.9	48.9	91%

* The design reactions are factored by 1.35 per ANSI/TIA-222-G, Sec. 15.5.1

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
160.0	1.170	0.803

*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-G



Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

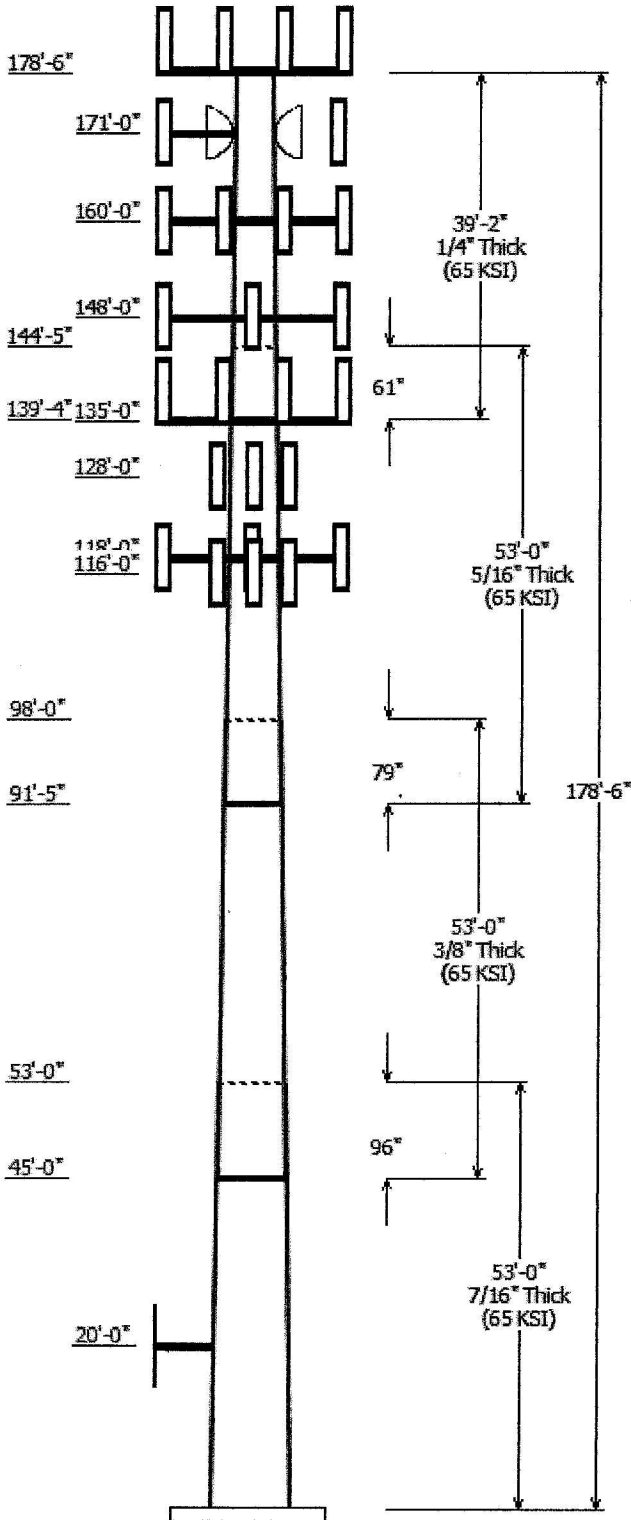
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to ATC Tower Services, Inc. and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Tower Services, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

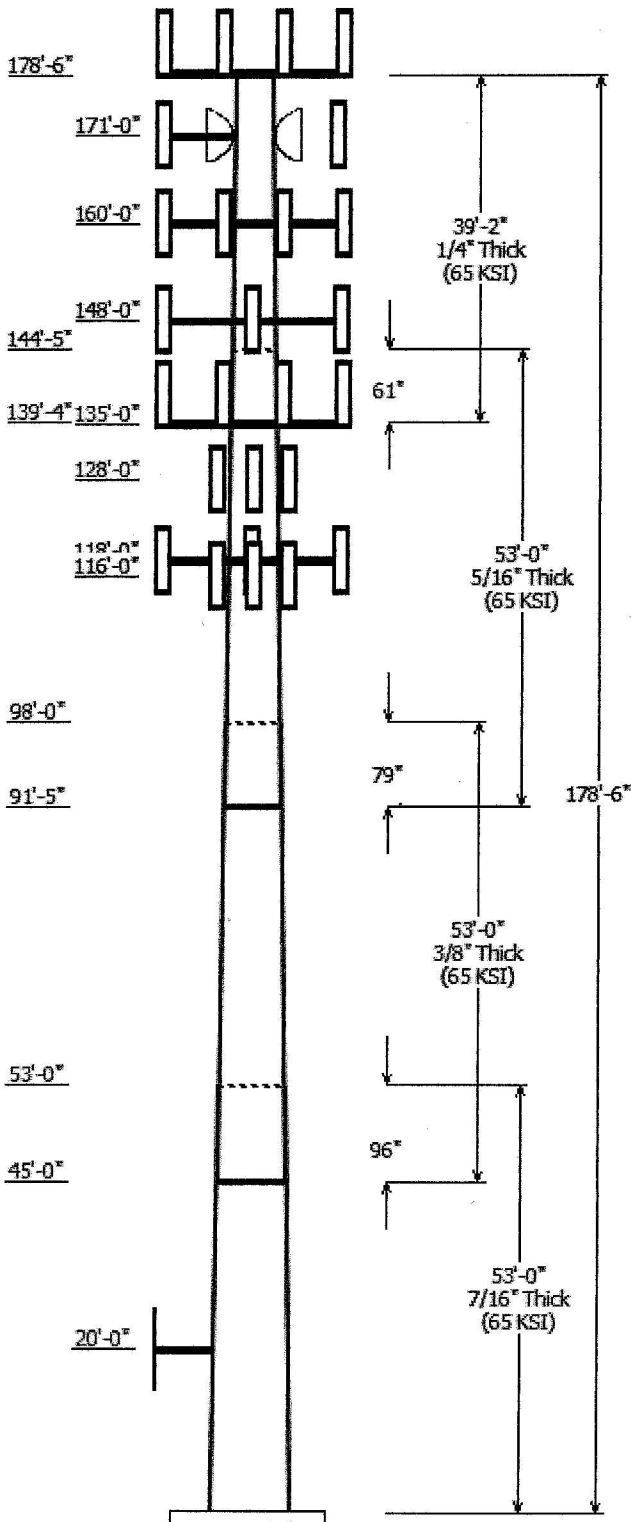
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Job Information	
Pole :	302467
Code:	ANSI/TIA-222 Rev G
Description :	178.5' FWT Monopole
Client :	AT&T Mobility
Struct Class :	II
Location :	Bilkays Express, CT
Shape :	18 Sides
Exposure :	B
Height :	178.50 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.25140(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap		Steel Grade (ksi)
		Across Top	Flats Bottom			Length (in)	Taper (in/ft)	
1	53.000	58.67	72.00	0.438		0.000	0.251401	65
2	53.000	48.11	61.43	0.375	Slip Joint	96.000	0.251401	65
3	53.000	37.06	50.39	0.313	Slip Joint	79.000	0.251401	65
4	39.167	29.00	38.84	0.250	Slip Joint	61.000	0.251401	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
178.500	178.500	1	Flat Low Profile Platform	
178.500	181.000	9	48" x 12" Panel	
178.500	181.000	3	72" x 12" Panel	
171.000	171.000	1	DragonWave A-ANT-11G-2-C	
171.000	171.000	2	DragonWave Horizon Compact	
171.000	171.000	3	Argus LLPX310R	
171.000	171.000	3	NextNet BTS-2500	
171.000	171.000	1	DragonWave A-ANT-18G-2-C	
171.000	171.000	1	Side Arms	
160.000	160.000	1	Round Platform w/ Handrails	
160.000	160.000	9	CCI HPA-65R-BUU-H6	
160.000	160.000	3	Powerwave 7770.00	
160.000	160.000	3	Ericsson RRUS-32	
160.000	160.000	3	Ericsson RRUS E2 B29	
160.000	160.000	6	Ericsson RRUS-12 B2	
160.000	160.000	6	Ericsson RRUS 11	
160.000	160.000	6	Ericsson RRUS A2 Module	
160.000	160.000	3	CCI DTMAPB7819VG12A	
160.000	160.000	3	Raycap DC6-48-60-18-8F	
160.000	160.000	6	14" x 9" TTA	
160.000	160.000	3	Powerwave 7020	
148.000	148.000	3	Ericsson AIR 21, 1.3M, B4A B2P	
148.000	148.000	3	Ericsson AIR 21, 1.3 M, B2A B4	
148.000	148.000	3	Ericsson KRY 112 144/1	
148.000	148.000	3	T-Arm w/ Working Platform	
135.000	138.000	3	Alcatel-Lucent RRH2x40 (700)	
135.000	138.000	1	RFS DB-T1-6Z-8AB-0Z	
135.000	138.000	3	Alcatel-Lucent RRH2x40-AWS	
135.000	138.000	3	Antel BXA-171063-8BF-EDIN-X	
135.000	138.000	3	Antel BXA-80063-6BF-EDIN-X	
135.000	138.000	6	RFS FD9R6004/2C-3L	
135.000	138.000	3	Antel BXA-70063-6CF-EDIN-X	
135.000	138.000	3	Antel BXA-171063-12BF-EDIN	
135.000	135.000	1	Round Low Profile Platform	
128.000	128.000	3	RFS APXV18-206517S-C	
118.000	118.000	3	RFS APXVSP18-C-A20	
118.000	118.000	1	Round Low Profile Platform	
118.000	118.000	6	Andrew DB980H90R-KL	
116.000	116.000	3	Alcatel-Lucent 1900 MHz 4x45	
116.000	116.000	3	Alcatel-Lucent 800 MHz RRH	
20.000	20.000	1	Standoff	
20.000	20.000	1	PCTEL GPS-TMG-HR-26N	



Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
0.000	20.000	1/2" Coax	Yes
0.000	118.0	1 1/4" Coax	Yes
0.000	118.0	1 1/4" Hybriflex	Yes
0.000	128.0	1 5/8" Coax	Yes
0.000	135.0	1 5/8" Coax	No
0.000	135.0	1 5/8" Coax	No
0.000	135.0	1 5/8" Coax	Yes
0.000	148.0	1 1/4" Hybriflex	No
0.000	148.0	1 5/8" Coax	No
0.000	160.0	0.39" Fiber Trunk	No
0.000	160.0	0.78" 8 AWG 6	No
0.000	160.0	1 5/8" Coax	No
0.000	171.0	1/2" Coax	Yes
0.000	171.0	2" Conduit	Yes
0.000	171.0	5/16" Coax	No
0.000	178.5	1 5/8" Coax	No

Load Cases	
1.2D + 1.6W	110.00 mph with No Ice
0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	6018.08	48.93	73.98
0.9D + 1.6W	5847.49	47.46	55.47
1.2D + 1.0Di + 1.0Wi	1257.46	10.29	119.28
1.0D + 1.0W	1091.04	8.82	61.70

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	171.00	15.913	0.817
1.0D + 1.0W	171.00	15.913	0.817



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

January 31, 2014

Mayor William W. Dickson, Jr.
Town of Wallingford
Municipal Bldg. 45 So. Main St.
Wallingford, CT 06492

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 90 North Plains Industrial Road (owner, American Tower)

Dear Mr. Dickinson:

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