



EM-CING-001-090302

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

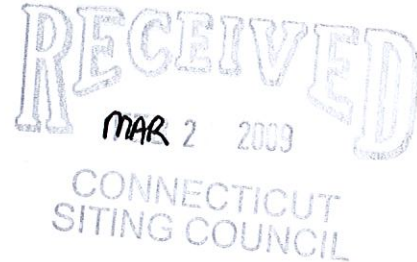
Steven L. Levine
Real Estate Consultant

HAND DELIVERED

ORIGINAL

March 2, 2009

Honorable Daniel F. Caruso, Chairman,
and Members of the Connecticut Siting Council
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 122 Jonathan Trumbull Hwy, Andover (owner, AT&T Wireless)

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, 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.

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. 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, New Cingular Wireless 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) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,



Steven L. Levine
Real Estate Consultant

Attachments

**NEW CINGULAR WIRELESS
Equipment Modification**

122 Jonathan Trumbull Hwy, Andover
Site Number 5860
Former AT&T cell site
Docket 242 approved 10/03

Tower Owner/Manager: AT&T Wireless

Equipment Configuration: Monopole

Current and/or Approved: Three Allgon 7250 panel antennas @ 150 ft AGL
Six runs 1 ¼ inch coax cable
Concrete pad with outdoor cabinets

Planned Modifications: Remove all existing antennas
Install new low-profile platform
Install six Powerwave 7770 antennas (or equivalent) @ 150 ft
Install six TMA's and six diplexers @ 150 ft
Install six additional runs of 1 ¼ inch coax
Install one new outdoor cabinet for UMTS

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 7.7 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 12.1 % 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 *							6.10
AT&T GSM *	150	1900 Band	4	250	0.0160	1.0000	1.60
Total							7.7%

* 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 *							6.10
AT&T UMTS	150	880 - 894	1	500	0.0080	0.5867	1.36
AT&T GSM	150	1900 Band	2	427	0.0136	1.0000	1.36
AT&T GSM	150	880 - 894	4	296	0.0189	0.5867	3.23
Total							12.1%

* Per CSC records

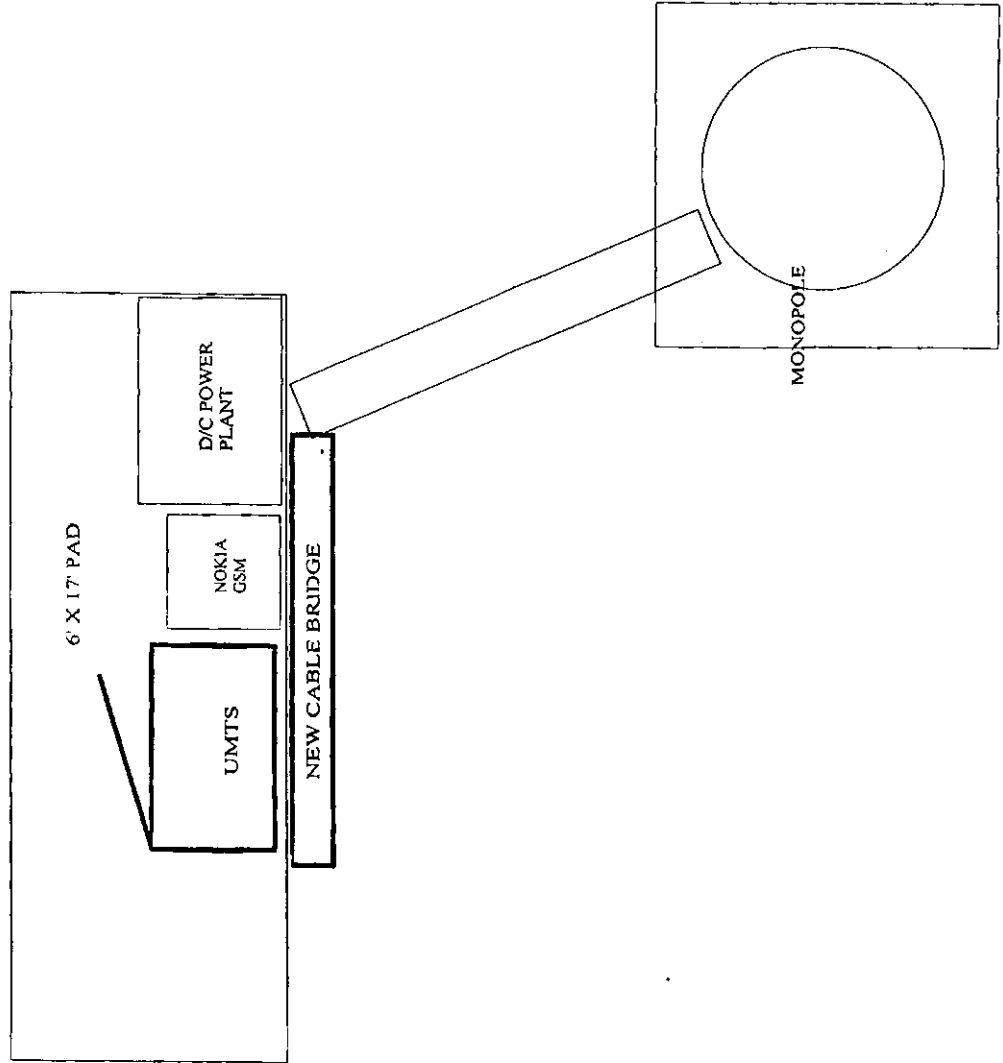
Structural information:

The attached structural analysis demonstrates that the foundation and monopole are sufficient for the proposed equipment modifications, but recommends structural modifications to eliminate an overstress condition in the base plate. (GPD Associates, 11/21/08) Subsequently, AT&T and Pocket Wireless commissioned GPD Associates to develop appropriate structural modifications. Please refer to the attached drawings dated 1/29/09 for the recommended base plate stiffeners.



SITENUMBER: 5860
SITE NAME
Andover North

TITLE:	EQUIPMENT PLAN
MISC. INFO:	
DWG. BY:	SGB
DATE:	07/07/08
SCALE:	N.T.S.
SHEET:	1 OF 1





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Rocky Hill, Connecticut 06067-3900
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Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

March 2, 2009

Honorable Robert F. Burbank
1st Selectman, Town of Andover
Town Office Bldg. 17 School Rd.
Andover, Connecticut 06232

Re: Telecommunications Facility – 122 Jonathan Trumbull Highway

Dear Mr. Burbank:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System (“UMTS”) capability, 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 accompanying letter to the Siting Council fully describes AT&T’s proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council’s procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

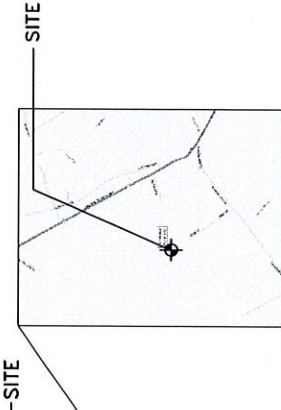
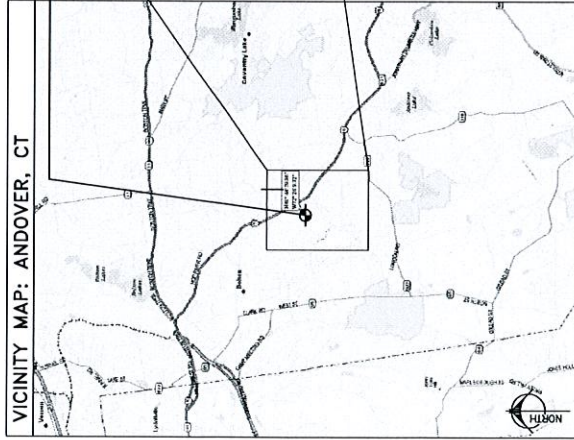
Steven L. Levine
Real Estate Consultant

Enclosure

ANDOVER NORTH

USID#: 27084

EXISTING 149' MONOPOLE



PROJECT SUMMARY	
TOWER OWNER:	AT&T
TOWER TYPE:	MONOPOLE
GOVERNING CODE:	TM/EA-222-F & 2003 IBC
SITE ADDRESS:	122 JONATHAN TRUMBULL HWY. ANDOVER, CT 06232
LATITUDE:	N 41° 44' 58.963"
LONGITUDE:	W 72° 24' 9.719"
CONTACT:	MR. MARTIN JELEME 122 JONATHAN TRUMBULL HWY. ANDOVER, CT 06232 (770) 708-6124
ENGINEER CONTACT:	USING CLEMENS 520 SOUTH MAIN STREET, SUITE 2531 AKRON, OH 44311 (330) 572-2195

PROJECT OVERVIEW:
THE LISTED DRAWINGS REPRESENT MODIFICATIONS TO THE
EXISTING MONOPOLE IN THE FORM OF ADDING BASE
PLATE STIFFENERS TO THE EXISTING BASE PLATE.

"Tower Mods"

DATE	REVISION	DRAWING	INDEX
-	-	TITLE SHEET	
-	-	H1 PROJECT NOTES	
-	-	S1 TOWER ELEVATION, DETAILS, & SECTIONS	
-	-		
-	-		
-	-		
-	-		
-	-		
-	-		

TOWER OWNER



CO-LOCATOR



ENGINEERS



CLAUS PYLE SCHOMER BURNS & DEHAVEN INC.
GPD ASSOCIATES
520 South Main Street, Suite 2531 Akron, Ohio 44311
330.572.2100, fax 330.572.2102

SITE NAME:

ANDOVER NORTH

SITE NUMBER:

USID#: 27084

GPD JOB NUMBER:

2009260.48

DATE: 1/29/09

REVISION

0

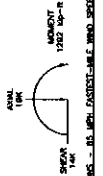
GENERAL NOTES

- 1. THE FOLLOWING DIMENSIONS REPRESENT MODIFICATIONS TO THE EXISTING TOWER. THE MODIFICATIONS ARE IDENTIFIED BY DIMENSION LINES AND DIMENSION NUMBERS. THE DIMENSIONS ARE TO BE USED TO VERIFY THE TOWER AND CONFORMANCE WITH TA-04-22-07 AND THE 2003 BC.
- 2. THESE MODIFICATIONS HAVE BEEN DEVELOPED IN ACCORDANCE WITH THE CONCRETE INDUSTRY OF CANADA (CIC) TO THE ABOVE MENTIONED CODES AND THE CONCRETE SPECIFICATIONS. THE CONTRACTOR SHALL CONSULT THE ABOVE MENTIONED CODES AND THE CONCRETE SPECIFICATIONS.
- 3. ALL ORIGINAL TOWER INFORMATION WAS OBTAINED IN THE FORM OF ORIGINAL TOWER DIMENSIONS BY CCI PROJECT # 15248, DATED 11/29/03.
- 4. THE OWNER ASSURES THE TOWER AND FITTINGS HAVE BEEN WELL MAINTAINED, ARE IN GOOD CONDITION AND HAVE NOT BEEN ALTERED OR DAMAGED. THE CONTRACTOR SHALL VERIFY THIS BY VISUAL INSPECTION AND TESTING. THE TOWER IS ASSUMED TO BE IN GOOD CONDITION AND THE CONTRACTOR SHALL VERIFY THIS BY VISUAL INSPECTION AND TESTING. THE CONTRACTOR SHALL VERIFY THIS BY VISUAL INSPECTION AND TESTING. THE CONTRACTOR SHALL VERIFY THIS BY VISUAL INSPECTION AND TESTING.
- 5. MANUFACTURER TOLERANCES, FIELD ADJUSTMENTS, IMPOPERECT CURING, AND TEMPERATURE CAN CAUSE DIMENSION DISCREPANCIES. CONTRACTORS SHALL VERIFY ALL DIMENSIONS PRIOR TO ORDERING MATERIALS.
- 6. ALL EXISTING PAINTED/DAMPENED SURFACES DAMAGED DURING ROUGH INCLUDING AREAS UNDER AND AROUND THE TOWER SHALL BE REPAIRED TO ORIGINAL FINISH. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PAINT BEFORE ORDERING PAINT. CONTRACTORS SHALL OBTAIN WRITTEN PERMISSION TO PAINT BEFORE ORDERING PAINT.
- 7. ALL DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO CENTER UNLESS OTHERWISE NOTED.
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- 9. MATERIAL SPECIFICATIONS LATEST EDITION OF ASCE.
- 10. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF DEFECTS. ANY MATERIAL DAMAGED OR DEFECTIVE SHALL BE REJECTED AND NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS. MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- 11. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- 12. THE ENGINEER (CIC ASSOCIATES) SHALL MAKE POST INSTALLATION OBSERVATION FOR TOWER. THE ENGINEER (CIC ASSOCIATES) SHALL MAKE POST INSTALLATION OBSERVATION FOR TOWER. THE ENGINEER (CIC ASSOCIATES) SHALL MAKE POST INSTALLATION OBSERVATION FOR TOWER.

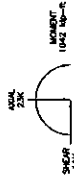
CONTRACTOR NOTES

- 1. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO AISC MOBILITY STANDARDS OF PRACTICE CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO AISC MOBILITY STANDARDS OF PRACTICE CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES. ALL CONTRACTORS AND LOWER TIER CONTRACTORS MUST ACKNOWLEDGE IN WRITING TO AISC MOBILITY STANDARDS OF PRACTICE CONSTRUCTION GUIDELINES, ALL SITE AND TOWER SAFETY PROCEDURES.
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BASE REACTION AT 11M HIGHEST-RIGID WIND SPEED 37.1/127.5 MPH



REACTIOES AT 21.9M HIGHEST-RIGID WIND SPEED



REACTIOES AT 21.9M HIGHEST-RIGID WIND SPEED 37.1/127.5 MPH

WELD NOTES

- 1. WELDS TO CONNECT UPPER AND LOWER TOWER SHALL BE WELDED TO THE UPPER TOWER. WELDS TO CONNECT UPPER AND LOWER TOWER SHALL BE WELDED TO THE UPPER TOWER. WELDS TO CONNECT UPPER AND LOWER TOWER SHALL BE WELDED TO THE UPPER TOWER.
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USD #: 27084

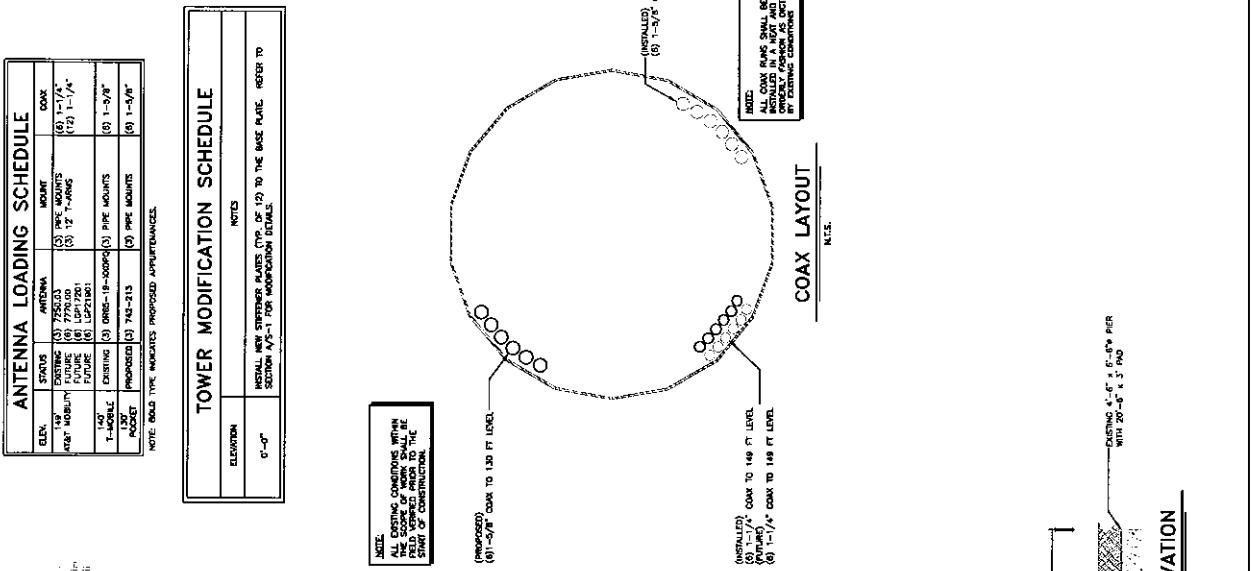
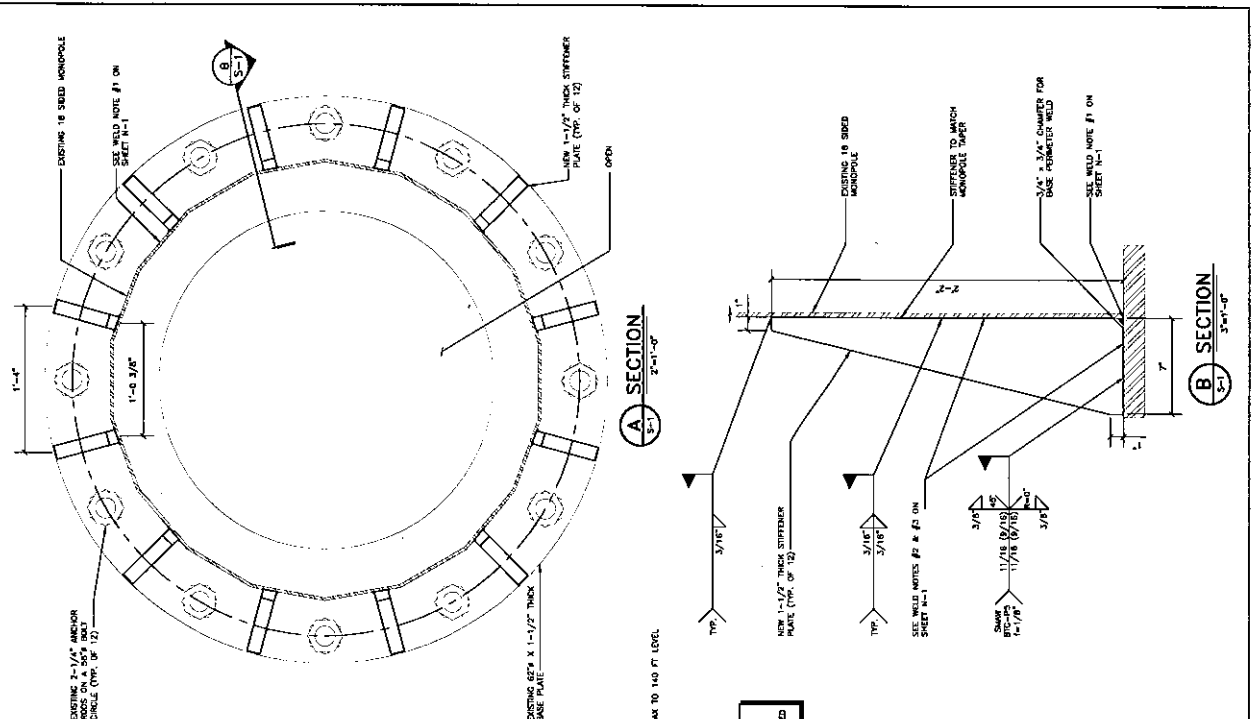
27084 ANDOVER NORTH
122 MADATHAN TRIUMPH HWY.
ANDOVER, CT 06222

REV	DATE

PROJECT NOTES

0009260.48
N-1

DATE	1/27/09
DESIGNED BY	JZ/009
CHECKED BY	JZ/009
PROJECT NO.	2009260.48
SHEET NO.	S-1



LENGTH	NO. OF SIDES	THICKNESS	LAP SPICE	TOP DIAMETER	BOTTOM DIA.
45'-8 1/2"	18	0.3125"	5'-8"	38.4723'	47.5000'
40'-8 1/2"	18	0.2500"	5'-8"	32.8790'	40.1211'
45'-3 1/2"	18	0.1875"	1'-9"	25.0013'	33.5598'
25'-4 1/2"	18	0.1875"	1'-9"	21.5000'	26.2021'

SECTION 1: ELEV. 149'-8 1/2" TOP OF TOWER
 SECTION 2: ELEV. 125'-4 1/2" BOTTOM OF SLIP JOINT
 SECTION 3: ELEV. 70'-0 1/2" BOTTOM OF SLIP JOINT
 SECTION 4: ELEV. 47'-1 1/2" BOTTOM OF SLIP JOINT
 SECTION 5: ELEV. 0'-0 1/2" TOP OF BASE PLATE



Karen Couture
SAI Communications
500 Enterprise Drive
Rocky Hill, CT 06067
(860) 389-4924



GPD ASSOCIATES
Kevin Clements
520 South Main St., Suite 2531
Akron, Ohio 44311
(330) 572-2195
kclements@gpdgroup.com

GPD# 2008013.25
November 21, 2008

STRUCTURAL ANALYSIS REPORT

SAI DESIGNATION: Site Number: CT5860

AT&T DESIGNATION: Site USID: 27084
Site FA: 10070910
Site Name: ANDOVER NORTH

ANALYSIS CRITERIA: Codes: TIA/EIA-222-F & 2003 IBC
85-mph with 0" ice
74-mph with 1/2" ice

SITE DATA: 122 Jonathan Trumbull Hwy, Andover, CT 06232, Tolland County
Latitude 41° 44' 59.963"N, Longitude 72° 24' 9.719"W
149' EEI Monopole

Ms. Couture,

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 addition of the following proposed loading configuration:

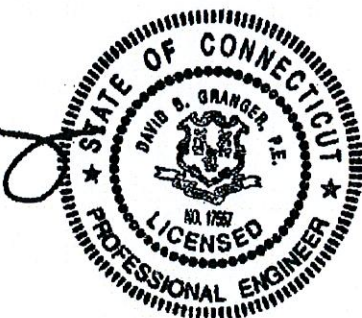
- Elev. 149' (6) Powerwave 7770.00 Antennas on a PiROD 13' LP Platform w/ (6) LDF6-50A 1-1/4" internal coax
- (6) Powerwave LGP21401 Tower Mounted Amplifiers, mounted behind the antennas
- (6) Powerwave LGP21903 Diplexers, mounted behind the antennas

Based on our analysis we have determined the design of the tower is not sufficient for the proposed, existing and reserved loadings as referenced in Appendix A. However, the design of the foundation is sufficient for the proposed, existing, and reserved loadings.

We at GPD appreciate the opportunity of providing our continuing professional services to you and AT&T. If you have any questions please do not hesitate to call.

Respectfully submitted,

David B. Granger, P.E.
Connecticut # 17557



SUMMARY & RESULTS

The purpose of this analysis was to verify whether the design of the existing structure is capable of carrying the proposed loading configuration as specified by AT&T to SAI Communications. This report was commissioned by Ms. Karen Couture of AT&T.

TOWER SUMMARY AND RESULTS

Member	Capacity	Results
Monopole	96.2%	Pass
Base Plate	202.8%	Fail
Anchor Rods	75.5%	Pass
Foundation	84.3%	Pass

RECOMMENED MODIFICATIONS

We recommend installing triangular stiffeners to the overstressed base plate. All modifications need to be engineered.

ANALYSIS METHOD

RISA Tower (Version 5.3.0.1), a commercially available software program, was used to create a three-dimensional model of the tower and calculate primary member stresses for various dead, live, 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 provided without the benefit of a site visit.

DOCUMENTS PROVIDED

Document	Remarks	Source
AT&T UMTS Document	AT&T Mobility TB 2009 UMTS Scope Meeting Notes	K. Couture
Previous Structural Analysis	GPD Project #: 2008265.29, dated 10/31/08	Siterra

ASSUMPTIONS

This structural analysis is based on the theoretical capacity of the members and is not a condition assessment of the monopole. 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 monopole shaft sizes and shape 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. If no data is available, the foundation system is not verified.
6. The tower and structures have been properly maintained in accordance with TIA Standards and/or with manufacturer's specifications.
7. All welds and connections are assumed to develop at least the member capacity, unless determined otherwise and explicitly stated in this report.
8. All existing loading was obtained from the recent previous analysis by GPD Associates, Project #: 2008265.29, dated 10/31/2008, site photos and the provided UMTS Scope Meeting Notes and is assumed to be accurate.
9. All proposed coax is assumed to be internal to the monopole.
10. Tower Mounted Amplifiers are assumed to be installed behind antennas.

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

DISCLAIMER OF WARRANTIES

GPD ASSOCIATES has not performed a 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 ASSOCIATES in connection with this Structural Analysis are limited to a computer analysis of the tower structure and theoretical capacity of its main structural members. All tower components have been assumed to only resist dead loads when no other loads are applied. 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.

GPD ASSOCIATES 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 ASSOCIATES 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 feasibility of adding appurtenances usually accompanied by transmission lines to the structure.

It is the owner's responsibility to determine the amount of ice accumulation, 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 ASSOCIATES, 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.

GPD ASSOCIATES 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 ASSOCIATES 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 ASSOCIATES pursuant to this report will be limited to the total fee received for preparation of this report.

Tower Analysis Summary Form

The information contained in this summary report is not to be used independently from the PE stamped tower analysis.

Site Name	ANDOVER NORTH
Site USID	27084
FA Number	10070910
Date of Analysis	11/21/2008
Company Performing Analysis	GPD Associates

Tower Info	Description	Date
Tower Type (G, SST, MF)	MP	
Tower Height (top of steel AGL)	149'	
Tower Manufacturer	EI	
Tower Model	n/a	
Manufacturer Drawings	EI Job #: 12026 Rev 1	11/20/2003
Foundation Design	EI Job #: 12026	11/20/2003
Geotech Report	VN Engineers Project #: 23-120C	10/17/2003
Tower Mapping	n/a	
Previous Analysis	GPD Associates # 2008265-29	10/31/2008

Design Code Used	TIA/EIA-222-F
Location of Tower (County, State)	Tolland, Connecticut
Basic Wind Speed (mph)	85-fastest
Ice Thickness (in)	0.5"
Structure Classification (I, II, III)	
Exposure Category (B, C, D)	
Topographic Category (1 to 5)	

Analysis Results (% Maximum Usage)	
Tower	178.4%
Foundation	74.5%
Guy Wire	n/a

Proposed Condition	
Tower	202.8%
Foundation	84.3%
Guy Wire	n/a

Steel Yield Strength (ksi)	65
Pole	90
Base Plate	90
Anchor Rods	75

Existing/Reserved

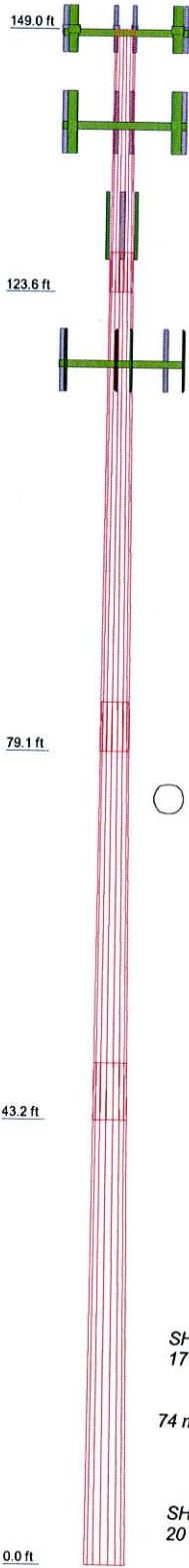
Antenna		Mount			Transmission Line									
Antenna Owner	Attachment Height (ft)	Quantity	Type	Model	EPA (ft) each	Azimuth	Quantity	Type	Model	EPA (ft) total	Shielded	Quantity	Size	Attachment Leg/Face
AT&T Mobility	149'	3	Panel	7250-03	4.00		3	Pipe Mounts			Shielded	6	1-1/4"	Internal
T-Mobile	140	6	Panel	DR65-19-XXDPQ	8.40	70/180/300	1	12" LP Platform		25.00		12	1-5/8"	Internal
Pocket Communications	130	3	Panel	742-213	5.42	30/150/270	3	Pipe Mounts			Shielded	6	1-5/8"	Internal
Verizon Wireless	117 (Reserved)	6	Panel	LPA-80080/6CF	4.33	110/230/350	1	13" LP Platform on same mount	PIROD	15.70		6	1-5/8"	External
Verizon Wireless	117 (Reserved)	2	Panel	LPA-185063/2CF-2	4.79	110						6	1-5/8"	External
Verizon Wireless	117 (Reserved)	4	Panel	LPA-185080/2CF	3.53	230/350						6	1-5/8"	External

Proposed

Antenna		Mount			Transmission Line									
Antenna Owner	Attachment Height (ft)	Quantity	Type	Model	EPA (ft) each	Azimuth	Quantity	Type	Model	EPA (ft) total	Shielded	Quantity	Size	Attachment Leg/Face
AT&T Mobility	149'	6	Panel	7770-00	5.88		1	13" LP Platform on same mount	PIROD	15.70		6	LD6-50A 1-1/4"	Internal
AT&T Mobility	149'	6	Diplexer		Shielded						Shielded			
AT&T Mobility	149'	6	TMA	LGP21401	Shielded						Shielded			

Note: The existing panel antennas at 149' shall be removed prior to the installation of the proposed loading. The existing coax shall be reused for the proposed loading for a total of (12) 1-1/4" lines to the 149' level.

Section	1	2	3	4
Length (ft)	25.42	48.29	40.67	48.79
Number of Sides	18	18	18	18
Thickness (in)	0.1875	0.1875	0.2500	0.3125
Lap Splice (ft)			4.75	5.58
Top Dia (in)	21.5000	25.1248	32.7159	38.5950
Bot Dia (in)	26.2100	33.9600	40.1100	47.5000
Grade			A572-65	
Weight (K)	1.2	2.9	4.0	7.0



DESIGNED APPURTENANCE LOADING

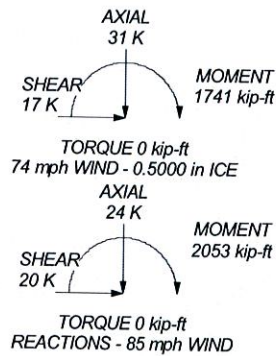
TYPE	ELEVATION	TYPE	ELEVATION
PIROD 13' Low Profile Platform (Monopole)	149	(2) DR65-19-XXDPQ	140
(2) 7770.00	149	(2) DR65-19-XXDPQ	140
(2) 7770.00	149	742-213 w/Mount Pipe	130
(2) 7770.00	149	742-213 w/Mount Pipe	130
(2) LGP21401	149	742-213 w/Mount Pipe	130
(2) LGP21401	149	PIROD 13' Low Profile Platform (Monopole)	117
(2) LGP21401	149	(2) LPA-80080/6CF	117
(2) LGP21903 Diplexer	149	(2) LPA-80080/6CF	117
(2) LGP21903 Diplexer	149	(2) LPA-80080/6CF	117
(2) LGP21903 Diplexer	149	(2) LPA-185063/12CF-2	117
12' LP Platform	140	(2) LPA-185080/12CF	117
(2) DR65-19-XXDPQ	140	(2) LPA-185080/12CF	117

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Tolland 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 50 mph wind.
5. TOWER RATING: 96.2%



	GPD Associates		Job: CT5860 ANDOVER NORTH		
	520 South Main St. Suite 2531		Project: 2008013.25		
	Akron, OH 44311		Client: SAI	Drawn by: ZSHEETS	App'd:
	Phone: (330) 572-2100		Code: TIA/EIA-222-F	Date: 11/21/08	Scale: NTS
FAX: (330) 572-2101		Path: G:\Telecom\2008013\25\Risa\ANDOVER NORTH.er		Dwg No. E-1	