

Daniel F. Caruso
Chairman

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

September 4, 2008

Steven Levine
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-097-080710** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 8 Ferris Road, Newtown, Connecticut – **Revised Acknowledgement**

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:

1. The applicant shall take steps to reduce the post-construction foundation rating to not more than 100 percent; and
2. A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be provided to the Council to certify that the post-construction foundation rating of not more than 100 percent has been achieved.

The proposed modifications are to be implemented as specified here and in your notice dated July 10, 2008 and the additional information received on August 27, 2008 which depicts the installation of a RXAIT cabinet on a 3-foot by 3-foot concrete pad and the rotation of the proposed Ericsson UMTS cabinet 90 degrees counterclockwise to permit access to UMTS cabinet with the RXAIT cabinet in place, and 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.

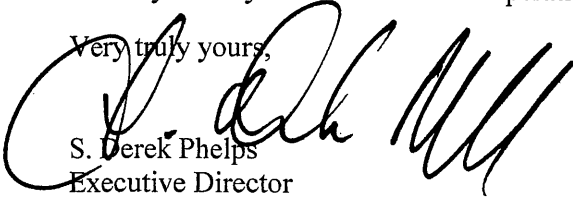


CONNECTICUT SITING COUNCIL

Affirmative Action / Equal Opportunity Employer

Thank you for your attention and cooperation.

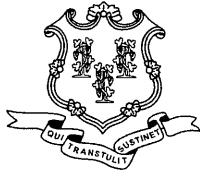
Very truly yours,

A handwritten signature in black ink, appearing to read 'S. Derek Phelps', written over the typed name.

S. Derek Phelps
Executive Director

SDP/MP/cm

- c: The Honorable Joseph E. Borst, First Selectman, Town of Newtown
- Gary Frenette, Zoning Enforcement Officer, Town of Newtown
- Thomas J. Regan, Brown Rudnick Berlack Israels, LLP



Daniel F. Caruso
Chairman

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

September 2, 2008

Steven Levine
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-097-080710** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 8 Ferris Road, Newtown, 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:

1. The applicant shall take steps to reduce the post-construction foundation rating to not more than 100 percent; and
2. A signed letter from a Professional Engineer duly licensed in the State of Connecticut shall be provided to the Council to certify that the post-construction foundation rating of not more than 100 percent has been achieved.

The proposed modifications are to be implemented as specified here and in your notice dated July 10, 2008, 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.

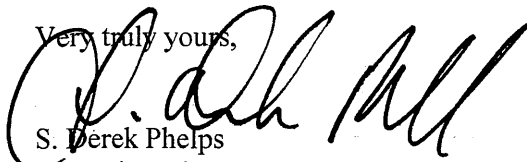
This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies 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.



CONNECTICUT SITING COUNCIL
Affirmative Action / Equal Opportunity Employer

Thank you for your attention and cooperation.

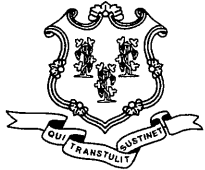
Very truly yours,



S. Derek Phelps
Executive Director

SDP/MP/cm

c: The Honorable Joseph E. Borst, First Selectman, Town of Newtown
Gary Frenette, Zoning Enforcement Officer, Town of Newtown
Thomas J. Regan, Brown Rudnick Berlack Israels, LLP



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

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Daniel F. Caruso
Chairman

July 11, 2008

The Honorable Joseph E. Borst
First Selectman
Town of Newtown
Town Hall
45 Main Street
Newtown, CT 06470

RE: **EM-CING-097-080710** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 8 Ferris Road, Newtown, Connecticut.

Dear Mr. Borst:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by July 25, 2008.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Gary Frenette, Zoning Enforcement Officer, Town of Newtown



EM-CING-097-080710



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

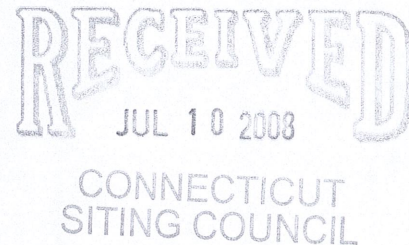
ORIGINAL

Steven L. Levine
Real Estate Consultant

HAND DELIVERED

July 10, 2008

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 8 Ferris Road, Newtown (owner, Nextel)

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. Modifications to the existing site include all or some of the following as necessary to bring the site into conformance with the plan:

- Replacement of existing panel antennas with new antennas or, installation of additional antennas of a size required to accommodate UMTS.
- Installation of small tower mount amplifiers (“TMA’s”) and/or diplexers to the platform on which the panel antennas are mounted to enhance signal reception.
- Installation of additional or larger coaxial cables as required.
- Installation of an additional equipment cabinet in existing shelters, or on existing or enlarged concrete pads.
- Radome enlargement for flagpole and “stick” structures to accommodate larger antennas and additional associated equipment.

None of these modifications will extend the height of the tower.

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

**CINGULAR WIRELESS
Equipment Modification**

8 Ferris Road, Newtown
Site Number 5511
Former AT&T Cell Site
Exempt Modification approved 9/02

Tower Owner/Manager: Nextel

Equipment configuration: Monopole

Current and/or approved: Three Allgon 7250 panel antennas @ 88 ft c.l.
Six runs 7/8 inch coax

Planned Modifications: Remove all three existing antennas
Install six Powerwave 7770 antennas @ 91 ft c.l.
Install six TMA's @ 88 ft
Remove one existing outdoor equipment cabinet
Install one new outdoor equipment cabinet

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 36.4 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 48 % 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 *							31.79
Cingular GSM *	88	1900 Band	4	250	0.0464	1.0000	4.64
Total							36.4%

* Per CSC records.

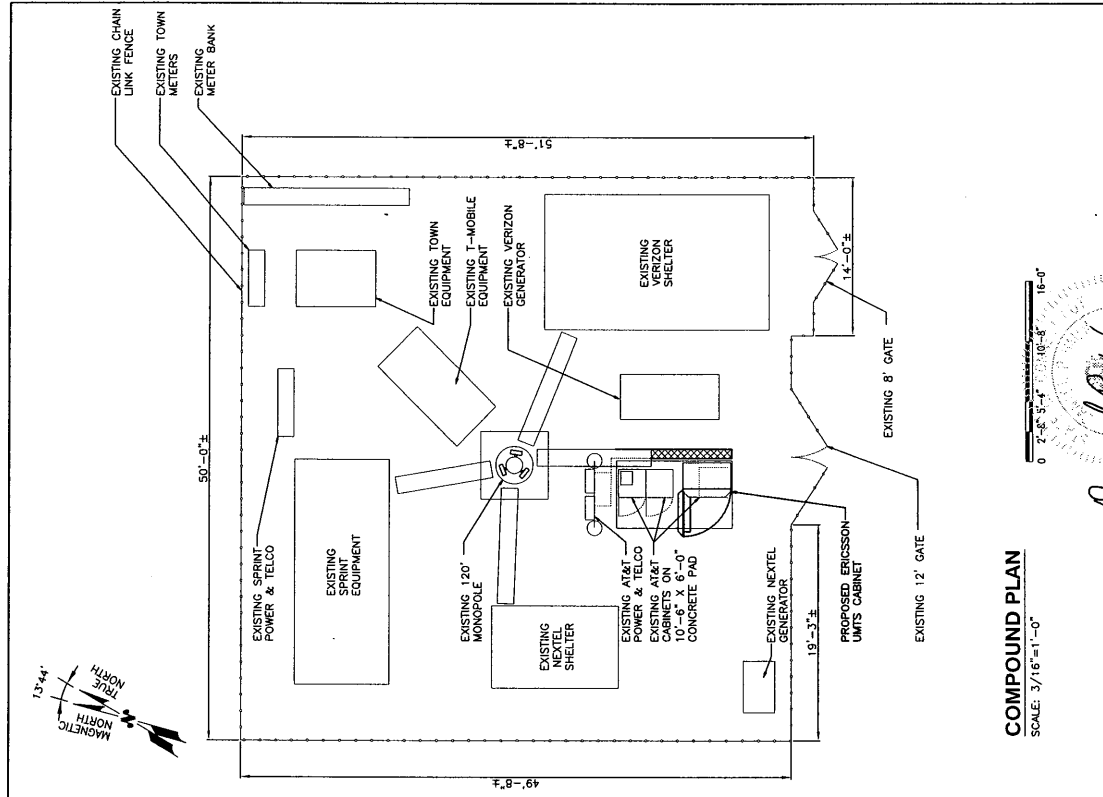
Proposed

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 *							31.79
Cingular GSM	91	880 - 894	4	296	0.0514	0.5867	8.76
Cingular GSM	91	1900 Band	2	427	0.0371	1.0000	3.71
Cingular UMTS	91	880 - 894	1	500	0.0217	0.5867	3.70
Total							48.0%

* Per CSC records.

Structural information:

The attached structural analysis demonstrates that the tower and foundation have adequate structural capacity to accommodate the proposed modifications. (Semaan Engineering, dated 7/8/08)



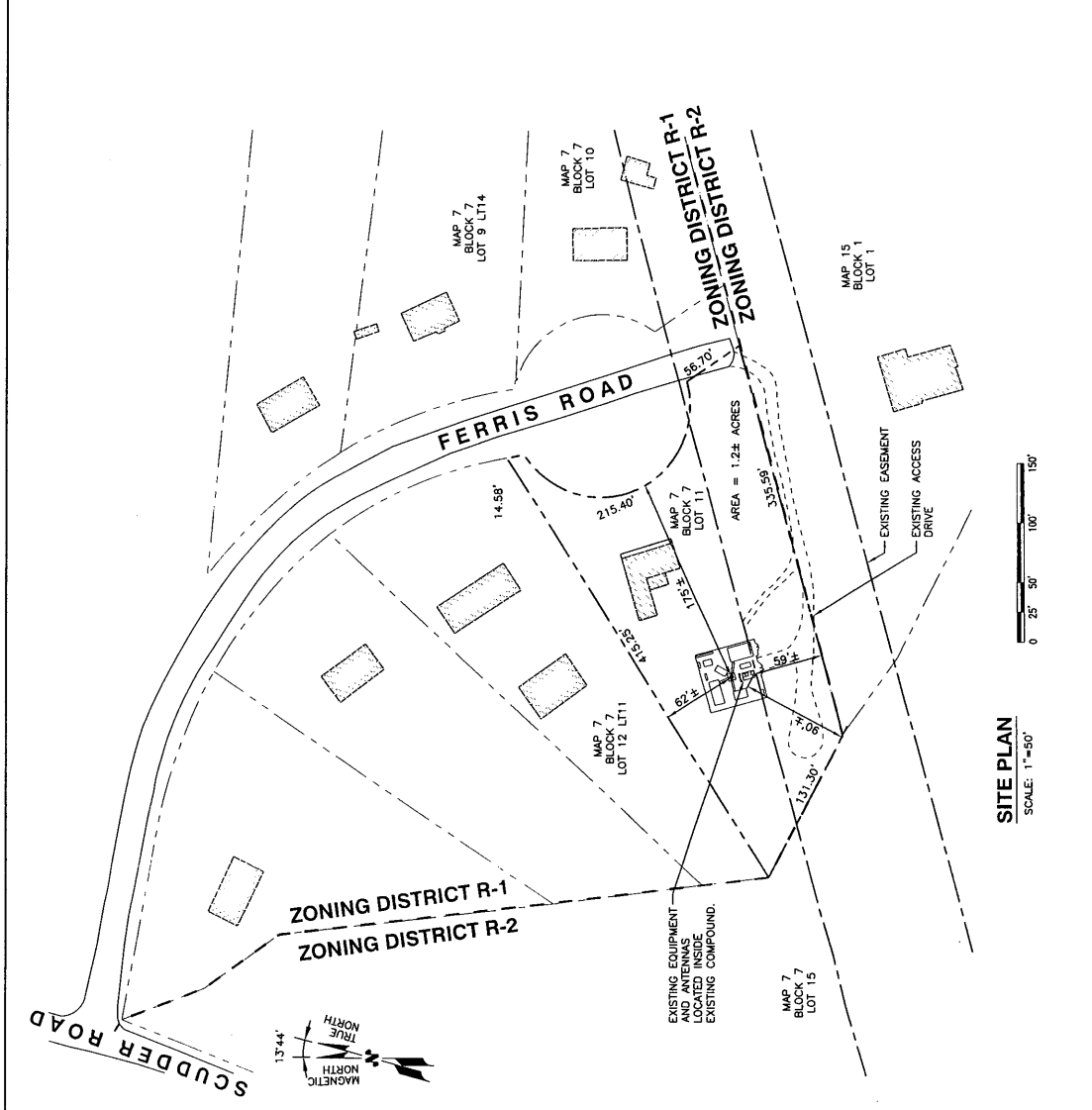
COMPOUND PLAN
SCALE: 3/16"=1'-0"

NO.	DATE	REVISIONS	BY	CHK	APP
1	04/09/08	ISSUED FOR CONSTRUCTION	PG	DC	DPH
0	04/01/08	ISSUED FOR CONSTRUCTION	PG	DC	DPH

SCALE: AS SHOWN
DESIGNED BY: DC
DRAWN BY: PG

5511.01
A-1
JOB NUMBER
DRAWING NUMBER

SITE PLAN & COMPOUND PLAN
AT&T



SITE PLAN
SCALE: 1"=50'

at&t
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

SIAT communications
184 ROCKINGHAM ROAD, UNIT A
LONDONDERRY, NH 03053

Hudson
2000 GORHAM ST. #200
LAKESIDE, NH 03042
TEL: 603.533.3400
FAX: 603.533.3400

SITE NUMBER: 5511
SITE NAME: NEWTOWN - SR 302
8 FERRIS ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY



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

July 10, 2008

Honorable Joseph Borst
1st Selectman, Town of Newtown
Edmond Town Hall, 45 Main Street
Newtown, Connecticut 06470

Re: Telecommunications Facility – 8 Ferris Road, Newtown

Dear Mr. Borst:

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 (“Cingular”) 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 Cingular’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 Cingular’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

1079 N. 204th Avenue
Elkhorn, NE 68022
Ph: 402-289-1888
Fax: 402-289-1861

SEMAAN ENGINEERING SOLUTIONS

118 ft EEI Monopole Structural Analysis

Prepared for:
Sprint Sites USA
1 International Blvd.
Mahwah, NJ 07645

Site: CT0915
For AT&T Wireless
Newtown, CT

5511



July 8, 2008

Mr. Mario Liriano
Sprint Sites USA
1 International Blvd.
Mahwah, NJ 07645

Re: Site Number CT0915 – Newtown, CT.

Dear Mr. Liriano:

We have completed the structural analysis for the existing monopole, located at the above referenced site. The purpose of this analysis is to determine that the existing monopole design is in conformance with the TIA/EIA-222 Rev F standard and local building codes for the proposed antennae loads installation. Refer to the Review and Recommendations section at the end of this report for the analysis results.

Description of Structure:

The structure is a 118 ft EEI Monopole .

Refer to EEI job No 5189 dated June 29, 1999 for a detailed description of the structure.

Method of analysis:

The tower was analyzed using Semaan Engineering Solutions' software suite for communication structures. The structural analysis is performed using the SAPS finite element engine. The method is 3D, non-linear, which accounts for the second order geometric effects due to the displacements. It also treats guys as exact cable elements and therefore is ideal for guyed towers. The analysis was performed in conformance with **TIA/EIA-222 Rev F and local building codes for a basic wind speed of 90 mph and 1/2" radial ice with reduced wind speed (fastest mile)**. This is in conformance with the IBC 2006: Section 1609.1.1, Exception (4) and Section 3108.4. Wind is applied to the structure, accessories and antennas.

Structure loading:

The following loads were used in the tower analysis:

Elev (ft)	Qty	Antennas	Mounts	Coax	Carrier
118.0	2	DB222	Low Profile Platform	(2) 7/8"	Township
118.0	9	DB848H90E		(9) 1 5/8"	Sprint-Nextel
	3	DTMA-BRS160		(6) 1 5/8"	
	3	DR65-19			
108.5	6	DB980H90	Low Profile platform	(12) 1 5/8"	Sprint
99.8	12	DB844H90	Low Profile platform	(12) 1 5/8"	Verizon
81.0	6	S20057A1 TMA	Low Profile platform	(24) 7/8"	T-Mobile
	6	APX16DWW-16DWW			

Proposed Loads:

Elev (ft)	Qty	Antennas	Mounts	Coax	Carrier
91.0	6	21401 TMA	Low Profile platform	(28) 7/8"	AT&T Wireless
	3	Powerwave 7770.00			
	3	DR65-19-00DPQ			

**All new access holes shall be reinforced with welded rims that are compatible with the pole and to be sized and supplied by pole manufacturer.
All transmission lines are assumed running inside of pole shaft.**

Results of Analysis:

Refer to the attached Computer Summary sheets for detailed analysis results.

Structure:

The existing monopole is structurally capable of supporting the existing and proposed antennas. The maximum structure usage is: 92.0%.

Foundation:

Pole Reactions	Original Design Reactions	Current Analysis Reactions	% Of Design
Moment (ft-kips)	2,005.95	2,054.83	102.4
Shear (kips)	22.03	22.66	102.9

The reactions calculated from the analysis slightly exceed the ones indicated on the original structural design. However, the excess amount is within acceptable engineering tolerances and therefore the foundation will not require modification.

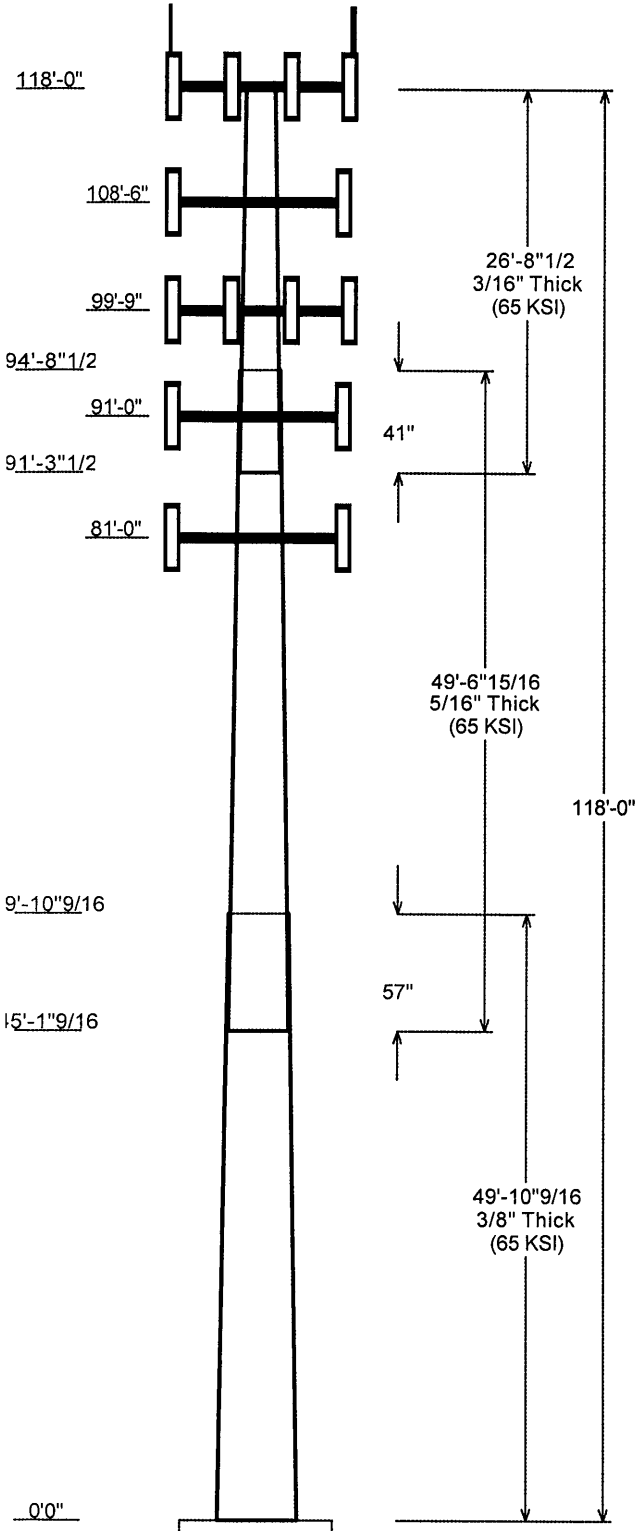
Review and Recommendations:

Based on the analysis results, the existing structure meets the requirements per the TIA/EIA-222 Rev F standards for a basic wind speed of 90 mph and 1/2" radial ice with reduced wind speed.

SEMAAN ENGINEERING SOLUTIONS

1079 N.204th Avenue
 Elkhorn, NE 68022
 Phone: 402-289-1888
 Fax: 402-289-1861

Copyright Semaan Engineering Solutions, Inc



Job Information			
Pole :	CT0915	Code:	TIA/EIA-222 Rev F
Description :			
Client :	Sprint Sites USA - NJ		
Location :	Newtown, CT		
Shape :	18 Sides	Base Elev (ft):	0.00
Height :	118.00 (ft)	Taper:	0.230926(in/ft)

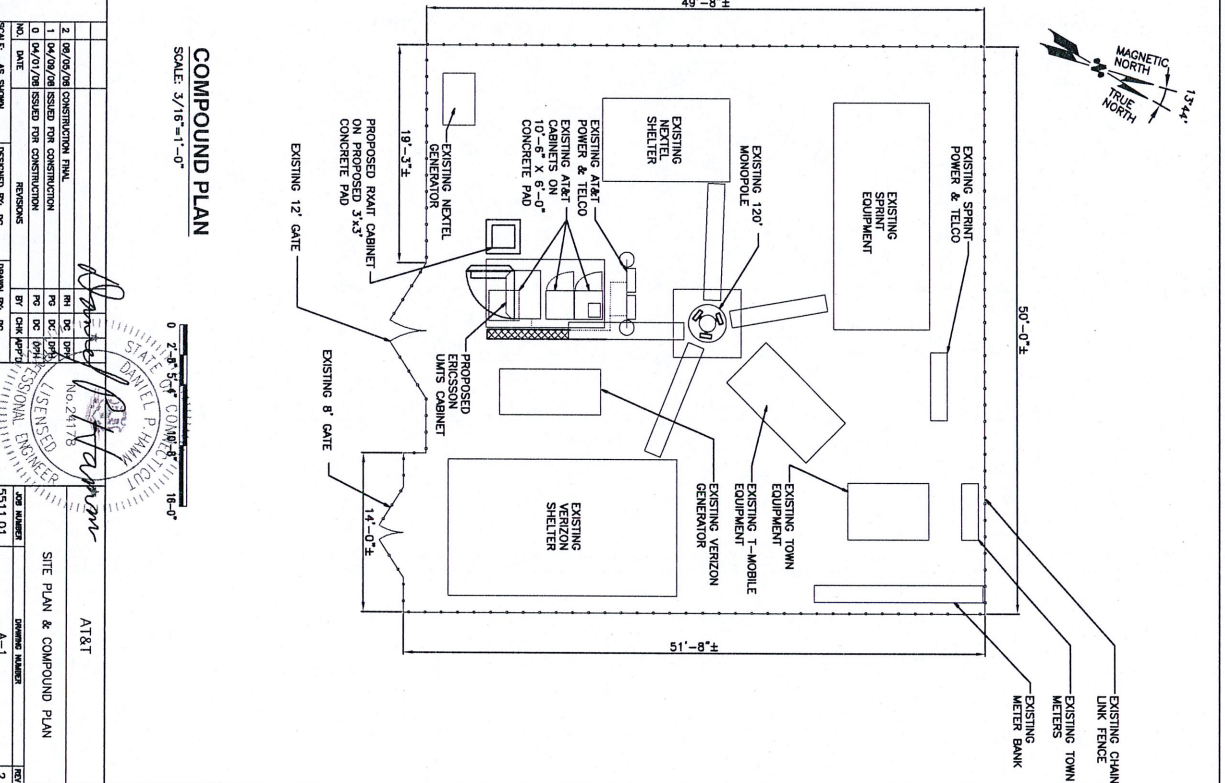
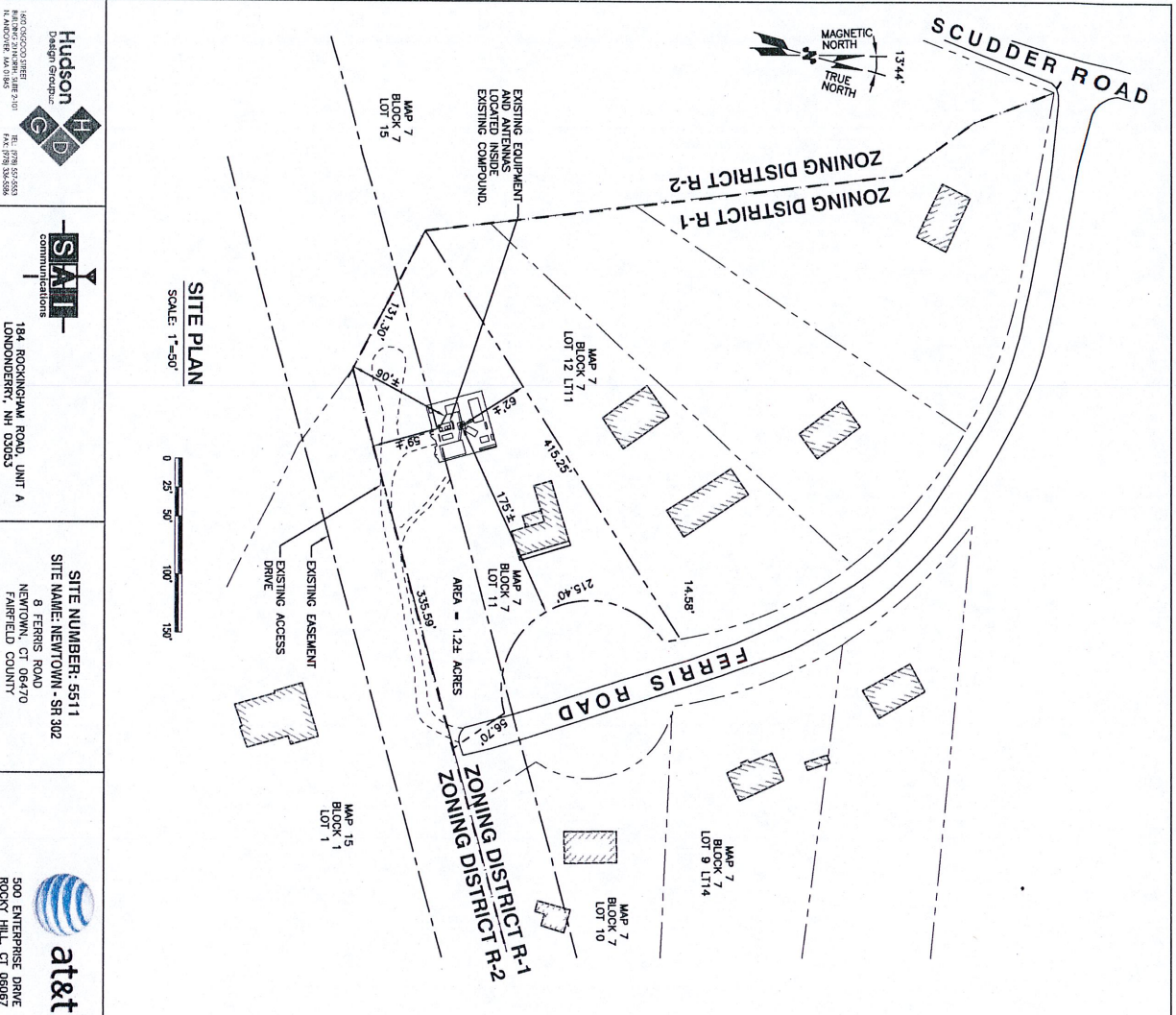
Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Steel Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom					
1	49.880	31.73	43.25	0.375		0.000	0.230926	65
2	49.580	22.00	33.45	0.313	Slip Joint	57.000	0.230926	65
3	26.707	17.00	23.16	0.188	Slip Joint	41.000	0.230926	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
118.000	123.290	2	DB222
118.000	118.000	1	Low Profile Platform
118.000	118.000	9	DB848H90E
118.000	118.000	3	DTMA-BRS160
118.000	118.000	3	DR65-19
108.500	108.500	1	Low Profile platform
108.500	108.500	6	DB980H90
99.750	99.750	1	Low Profile platform
99.750	99.750	12	DB844H90
91.000	91.000	6	21401 TMA
91.000	91.000	3	Powerwave 7770.00
91.000	91.000	1	Low Profile platform
91.000	91.000	3	DR65-19-00DPQ
81.000	81.000	1	Low Profile platform
81.000	81.000	6	S20057A1 TMA
81.000	81.000	6	APX16DWV-16DWV

Linear Appurtenance				
Elev (ft)	From	To	Description	Exposed To Wind
0.000	0.000	81.000	7/8" Coax	No
0.000	0.000	91.000	7/8" Coax	No
0.000	0.000	99.750	1 5/8" Coax	No
0.000	0.000	108.5	1 5/8" Coax	No
0.000	0.000	118.0	1 5/8" Coax	No
0.000	0.000	118.0	1 5/8" Coax	No
0.000	0.000	118.0	7/8" Coax	No

Load Cases	
No Ice	90.00 mph Wind with No Ice
Ice	77.94 mph Wind with Ice

Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
No Ice	2054.83	22.66	27.82
Ice	1799.81	19.29	34.45



Hudson Design Group
1480 OGDON STREET
NEWTON, MA 02459
TEL: 781.552.6666
WWW.HUDSONDESIGN.COM

SMI communications
184 ROCKINGHAM ROAD, UNIT A
LONDONDERRY, NH 03053

SITE NUMBER: 55111
SITE NAME: NEWTOWN - SR 302
8 FERRIS ROAD
NEWTOWN, CT 06470
FAIRFIELD COUNTY

at&t
500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

NO.	DATE	SCALE	AS SHOWN	REVISIONS	DESIGNED BY	CHECKED BY	IN CHARGE BY	DATE
2	09/09/08	AS SHOWN	CONSTRUCTION FINAL					
1	09/09/08	AS SHOWN	ISSUED FOR CONSTRUCTION					
0	09/09/08	AS SHOWN	ISSUED FOR CONSTRUCTION					

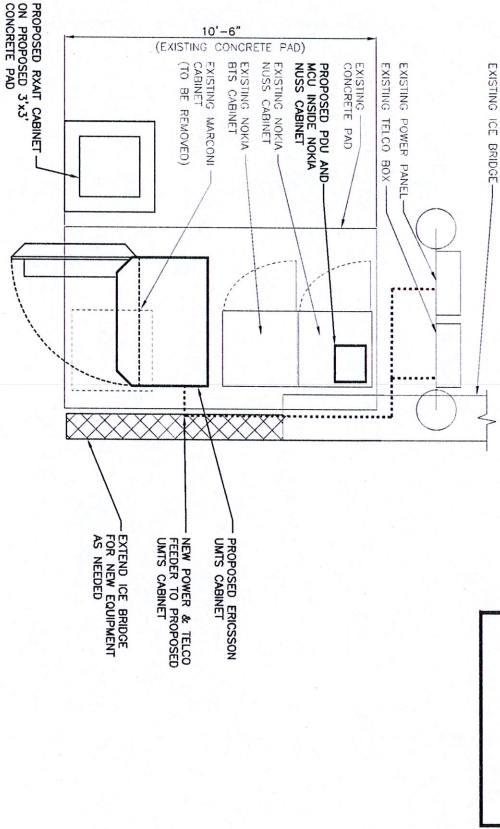
STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
No. 24178
DATE: 10/1/08

AT&T
SITE PLAN & COMPOUND PLAN
DRAWING NUMBER: A-1
PER: 2

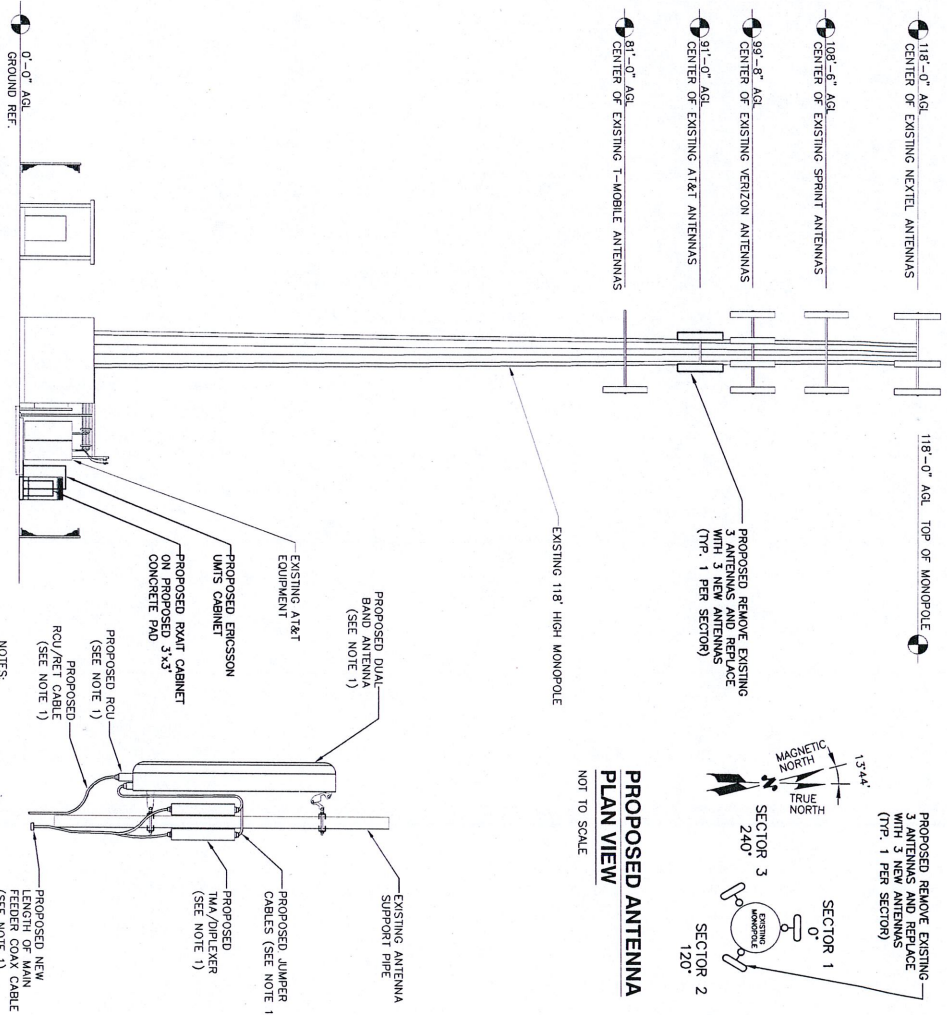
SECTOR NAME	ANTENNA MAKE & MODEL	ANTENNA COUNT	AZIMUTH	RAD CENTER	MECHANICAL DOWNHILL	TMA COUNT	DIRECTOR COUNT	# OF COAX CABLES
1 ALPHA	POWERWAVE 7770	1 PROPOSED 0 EXISTING	0°	91°±	0*	2 PROPOSED 0 EXISTING	0 PROPOSED 0 EXISTING	0 PROPOSED 2 EXISTING
2 BETA	POWERWAVE 7770	1 PROPOSED 0 EXISTING	120°	91°±	0*	2 PROPOSED 0 EXISTING	0 PROPOSED 0 EXISTING	2 PROPOSED 2 EXISTING
3 GAMMA	POWERWAVE 7770	1 PROPOSED 0 EXISTING	240°	91°±	0*	2 PROPOSED 0 EXISTING	0 PROPOSED 0 EXISTING	2 PROPOSED 2 EXISTING

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES FOR THE PROPOSED EQUIPMENT HAS BEEN OBTAINED PRIOR TO CONSTRUCTION.

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



EQUIPMENT PLAN
OUTDOOR UNITS
SCALE: 1/2"=1'-0"
0 1'-0" 2'-0" 4'-0" 6'-0"



WEST ELEVATION
SCALE: 1/8"=1'-0"
0 4'-0" 8'-0" 16'-0" 24'-0"

PROPOSED ANTENNA DETAIL
SCALE: NTS
NOTES:
1. REFER TO RF CONGRG & SECTOR SCHEMATICS FOR QUANTITY REQUIRED PER SECTOR

Hudson **CD** **Sign** **Engineering**
184 ROCKINGHAM ROAD, UNIT A
LONDONDERRY, NH 03053

SIA **communications**
184 ROCKINGHAM ROAD, UNIT A
LONDONDERRY, NH 03053

SITE NUMBER: 5511
SITE NAME: NEWTOWN - SR 302
8 FERRIS ROAD
FAIRFIELD COUNTY

at&t
500 ENTERPRISE DRIVE
ROCKY HILL, CT 08067

NO.	DATE	AS SHOWN	DESIGNED BY: DC	DRAWN BY: PC
2	09/05/08	CONSTRUCTION FINAL	PC	DC
1	04/09/08	ISSUED FOR CONSTRUCTION	PC	DC
0	04/01/08	ISSUED FOR CONSTRUCTION	PC	DC



NO.	DATE	REVISIONS	BY:	CHK:
2	05/11/01		PC	DC

AT&T
EQUIPMENT PLAN ANTENNA LAYOUT
DRAWING NUMBER: A-2
REV: 2

Perrone, Michael

From: Levine, Steven [SL3764@att.com]
Sent: Wednesday, August 27, 2008 1:31 PM
To: Perrone, Michael
Subject: Amendment to Exempt Modification EM-CING-097-080710, 8 Ferris Road, Newtown (owner, Sprint/Nextel)
Attachments: 5511 UMTS CD REV2 08-05-08 (2).pdf

Mike,

Please accept this amendment to the above referenced Notice of Exempt Modification under which New Cingular Wireless PCS, LLC ("AT&T") is making UMTS modifications to the site. For overall operational efficiency for UMTS from this particular site, it has become necessary to install RXAIT equipment *at grade*. AT&T's RXAIT equipment will enable the antennas located at this site to meet the needs of both the UMTS and GSM technologies that AT&T utilizes at this time. The RXAIT units do not alter the approved frequencies, channels, or RF power density calculations, but in this case expansion of AT&T's concrete pad by approximately 9 square feet is required to support the outdoor cabinet that houses the RXAIT equipment. As such, we are filing this amended information and are attaching an amended set of site plans; the RXAIT pad is shown on page 3.

Please feel free to call me at (860) 513-7636 with questions concerning this matter. Thank you for your consideration.

AT&T Mobility / New Cingular Wireless PCS, LLC

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9/4/2008

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL STANDARDS, THE TELCORDIA AND TIA GROUNDING STANDARDS, THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GEE'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM EEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND B1) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NECESSARY TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. 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 AND INSTALLED WITH THE POWER CIRCUITS TO BITS EQUIPMENT.
5. EACH BITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BITS 2 AWG STRANDED COPPER FOR OUTDOOR BITS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTI-OXIDANT CONTAINERS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.30.

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - SA
SUBCONTRACTOR (CONSTRUCTION)
OWNER - CINGULAR
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL ADVISE THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONDUCT THE WORK. THE WORK SHALL BE COMPLETED BY THE END OF THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY AGENCY HAVING JURISDICTION OVER THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL, COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, UTILITIES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND 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 SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE DESIGNATED LOCATION.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 35 ksi). ALL STEEL EXPOSED AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERRECTED USING A COMPATIBLE ZINC RICH PAINT.
16. CONSTRUCTION SHALL COMPLY WITH LIMITS SPECIFICATIONS AND PERMIT CONSTRUCTION SERVICES FOR CONSTRUCTION OF CINGULAR SITES.
17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING STRUCTURES SHALL BE VERIFIED AND RECORDED. ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK SHALL BE SUBMITTED TO 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.
19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC INTERFERENCE. ALL WORK SHALL BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE PERSONNEL TO HIGH LEVELS OF RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
20. APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL BE APPLIED.
ELECTRICAL CODE: 2005 NEC WITH 2005 CONNECTICUT AMENDMENTS
BUILDING CODE: 2003 IRC WITH 2005 CONNECTICUT AMENDMENTS
LIGHTNING CODE: REFER TO ELECTRICAL DRAWINGS
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION;
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL
ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. IN THE EVENT OF A CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	G.C.	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
AWG	AMERICAN WIRE GAUGE	MCB	MASTER GROUND BUS	TBD	TO BE DETERMINED
BCW	BARE COPPER WIRE	MIN	MINIMUM	TBR	TO BE REMOVED
BTS	BASE TRANSCIVER STATION	PROPOSED	PROPOSED	TBRR	TO BE REMOVED AND REPLACED
EXISTING	EXISTING	NOT TO SCALE	NOT TO SCALE	TIP	TYPICAL
EGR	EQUIPMENT GROUND	REF	REFERENCE		
	EQUIPMENT GROUND RING	REQ	REQUIRED		

AT&T

GENERAL NOTES

DATE: 04/21/08
BY: CHM/HPT/PS
CHECKED: [Signature]
NO. DATE
1 04/21/08 ISSUED FOR CONSTRUCTION
2 04/21/08 CONSTRUCTION FINAL

DESIGNED BY: DC
SCALE: AS SHOWN
DRAWN BY: PD

5511.01

CR-1

500 ENTERPRISE DRIVE
ROCKY HILL, CT 06067

SITE NUMBER: 5511
SITE NAME: NEWTOWN - SR 302
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