

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

Internet: ct.gov/csc

Daniel F. Caruso
Chairman

June 19, 2009

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-040-090526** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 60 South Main Street, East Granby, 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.

The proposed modifications are to be implemented as specified here and in your notice dated May 26, 2009, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP/laf

c: The Honorable James M. Hayden, First Selectman, Town of East Granby
Lincoln B. White, Zoning Enforcement Officer, Town of East Granby
Crown Castle USA, Inc.

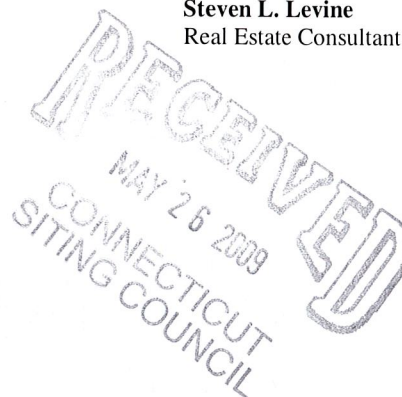
EM-CING-040-090526



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

ORIGINAL



HAND DELIVERED

May 26, 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 60 South Main St., East Granby (owner, Crown Castle)

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**

60 South Main Street, East Granby
Site Number 5359
Former AT&T Site
Exempt Modification approved 3/02

Tower Owner/Manager: Crown Castle

Equipment Configuration: Monopole

Current and/or Approved: Six Allgon panel antennas @ 77 ft AGL
Six TMA's @ 77 ft
Six runs 7/8 inch coax cable
Concrete pad with outdoor cabinets

Planned Modifications: Remove existing antennas and TMA's
Install low-profile platform
Install six Powerwave 7770 antennas (or equivalent) @ 77 ft
Install six TMA's and six diplexers @ 77 ft
Install six additional runs 7/8 inch coax
Remove one outdoor cabinet
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 23.1 % 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 39.7 % 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 *							17.07
AT&T GSM *	77	1900 Band	4	250	0.0606	1.0000	6.06
Total							23.1%

* 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 *							17.07
AT&T UMTS	77	880 - 894	1	500	0.0303	0.5867	5.17
AT&T GSM	77	1900 Band	2	427	0.0518	1.0000	5.18
AT&T GSM	77	880 - 894	4	296	0.0718	0.5867	12.24
Total							39.7%

* Per CSC records

Structural information:

The attached structural analysis demonstrates that the tower will have sufficient structural capacity to accommodate the proposed equipment modifications upon completion of recommended structural upgrades. (IETS Engineering, 4/30/09)



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

May 26, 2009

Honorable James M. Hayden
1st Selectman, Town of East Granby
Town Hall 9 Center Street
East Granby, CT 06026

Re: Telecommunications Facility – 60 South Main Street

Dear Mr. Hayden:

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

Date: April 30, 2009

Mr. John Eigenbrode
Crown Castle USA Inc.
3530 Toringdon Way Suite 300
Charlotte, NC 28277
(704) 405-6616



IETS
129 Greenwich Road
Charlotte, NC 28211
(704) 522-1131

towerdata@iets.com

Subject: Structural Modification Report

Carrier Designation: AT&T Mobility Co-Locate
Carrier Site Number: 5359
Carrier Site Name: East Granby-South Main Street

Crown Castle Designation: Crown Castle BU Number: 876399
Crown Castle Site Name: (F) E. Granby 4Q2000 / Galasso
Crown Castle JDE Job Number: 118135
Crown Castle Work Order Number: 268250

Engineering Firm Designation: IETS Project Number: 2008-70285

Site Data: 60 South Main St., East Granby, Hartford County, CT
Latitude 41° 56' 29.58", Longitude -72° 44' 19.248"
98 Foot - Monopole Tower

Dear Mr. Eigenbrode,

IETS is pleased to submit this "Structural Modification Report" to determine the structural integrity of the above mentioned tower. This analysis has been performed in accordance with the Crown Castle Structural 'Statement of Work' and the terms of Crown Castle Purchase Order Number 328923, in accordance with application 80005, revision 1.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC4: Modified Structure w/ Existing + Reserved + Proposed **Sufficient Capacity**
Note: See Table I and Table II for the proposed and existing/reserved loading, respectively.

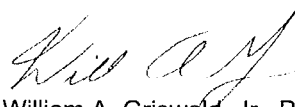
The analysis has been performed in accordance with the TIA/EIA-222-F standard and 2006 IBC based upon a wind speed of 80 mph fastest mile.

All modifications and equipment proposed in this report shall be installed in accordance with the attached drawings for the determined available structural capacity to be effective.

We at IETS appreciate the opportunity of providing our continuing professional services to you and Crown Castle USA Inc. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted by:

Ted Haile, P.E.
Senior Project Engineer


William A. Griswold, Jr., P.E.
Chief Engineer

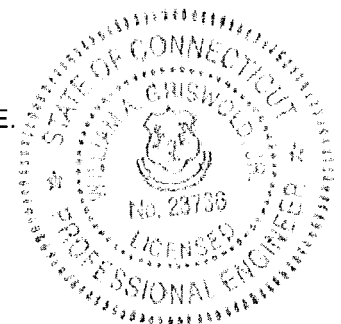


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Additional Calculations

1) INTRODUCTION

This tower is a 98 ft Monopole tower designed by ENGINEERED ENDEAVORS, INC. in September of 2000. The tower was originally designed for a wind speed of 85 mph per TIA/EIA-222-F.

2) ANALYSIS CRITERIA

The structural analysis was performed for this tower in accordance with the requirements of TIA/EIA-222-F Structural Standards for Steel Antenna Towers and Antenna Supporting Structures using a fastest mile wind speed of 80 mph with no ice, 69.3 mph with 0.5 inch ice thickness and 50 mph under service loads.

Table 1 - Proposed Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
77	77	6	Powerwave Tech.	7770.00	6	7/8	-
		6	Powerwave Tech.	LGP21401			
		6	Powerwave Tech.	LGP21903			
		1	Mount	13' Low Profile Platform			

Table 2 - Existing and Reserved Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)	Note
96	97	6	Decibel	DB980H65E-M	6	1-5/8	1
	96	1	Mounts	13' Low Profile Platform			
87	87	3	EMS Wireless	RR90-17-02DP	-	-	2
		3	EMS Wireless	RR90-17-02DP	6	1-5/8	1
		1	Mount	13' Low Profile Platform			
77	77	-	-	-	6	7/8	1
		3	Allgon	7250.03	-	-	3
		3	ADC	DUAL BAND 800/1900			
47	49	1	Lucent	KS24019-L112A	1	1/2	1
	47	1	Mount	3' Leg Standoff			

- Notes:
 1) Existing Equipment
 2) Reserved Equipment
 3) To be replaced by existing loading

Table 3 - Design Antenna and Cable Information

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model
96.5	97.5	12	DAPA	48000
87.5	87.5	12	DAPA	48000
77.5	77.5	12	DAPA	48000

3) ANALYSIS PROCEDURE

Table 4 - Documents Provided

Document	Remarks	Reference	Source
Geotechnical Reports	Dr. Clarence Welti, P.E.	1531971	CCISITES
Tower Foundation Drawings	EI	2066334	CCISITES
Tower Manufacturer Drawings	EI	1613691	CCISITES

3.1) Analysis Method

RISATower (version 5.3.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

- 1) Tower and structures were built in accordance with the manufacturer's specifications.
- 2) The tower and structures have been maintained in accordance with the manufacturer's specification.
- 3) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
- 4) When applicable, transmission cables are considered as structural components for calculating wind loads as allowed by TIA/EIA-222-F.

This analysis may be affected if any assumptions are not valid or have been made in error. IETS should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 5 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	98 - 82.7891	Pole	TP15.28x12x0.1875	1	-3.18	450.82	17.6	Pass
L2	82.7891 - 45.2865	Pole	TP22.86x14.3839x0.25	2	-7.70	902.77	56.9	Pass
L3	45.2865 - 0	Pole	TP32x21.6345x0.3125	3	-14.05	1633.95	56.6	Pass
							Summary	
						Pole (L2)	56.9	Pass
						Rating =	56.9	Pass

Table 6 - Tower Component Stresses vs. Capacity - LC4

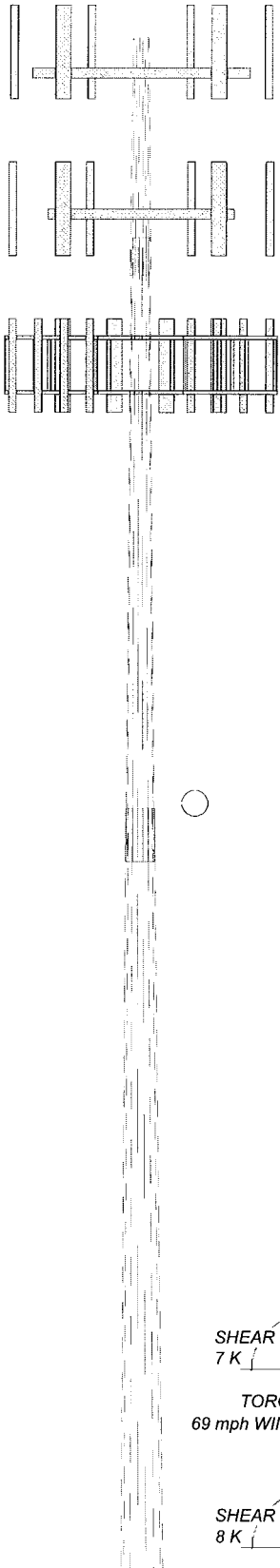
Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	49.8	Pass
1	Base Plate	0	64.0	Pass
1	Base Foundation	0	67.4	Pass

Structure Rating (max from all components) =	67.4%
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Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) Capacities up to 105% are considered acceptable based on analysis methods used.
- 3) Foundation capacity determined by comparing analysis reactions to original design reactions.

Section	1	2	3	
Length (ft)	152'-17/32"	39'-11-1/32"	48'-13/32"	
Number of Sides	18	18	18	
Thickness (in)	0.1875	0.2500	0.3125	
Lap Splice (ft)	25'-1/32"		35'-1/32"	
Top Dia (in)	12.0000	14.3839	21.5345	
Bot Dia (in)	15.2800	22.8600	32.0000	
Grade		A572-65		
Weight (K)	0.4	2.0	4.4	6.8
	98.0 ft	82.8 ft	45.3 ft	0.0 ft



DESIGNED APPURTENANCE LOADING

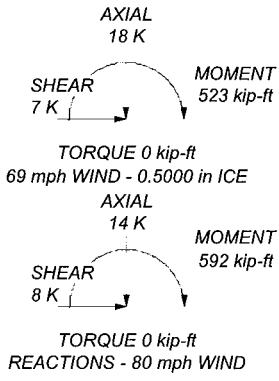
TYPE	ELEVATION	TYPE	ELEVATION
Mount - 13' Low Profile Platform	96	(2) 7770.00 w/ Mount Pipe	77
(2) DB980H65E-M w/ Mount Pipe	96	(2) 7770.00 w/ Mount Pipe	77
(2) DB980H65E-M w/ Mount Pipe	96	(2) 7770.00 w/ Mount Pipe	77
(2) DB980H65E-M w/ Mount Pipe	96	(2) LGP21903	77
Mount - 13' Low Profile Platform	87	(2) LGP21903	77
RR90-17-02DP w/ Mount Pipe	87	(2) LGP21903	77
RR90-17-02DP w/ Mount Pipe	87	(2) LGP21401	77
RR90-17-02DP w/ Mount Pipe	87	(2) LGP21401	77
RR90-17-02DP w/ Mount Pipe	87	(2) LGP21401	77
RR90-17-02DP w/ Mount Pipe	87	Mount - 3' Leg Standoff	47
RR90-17-02DP w/ Mount Pipe	87	KS24019-L112A	47
Mount - 13' Low Profile Platform	77		

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Hartford County, Connecticut.
2. Tower designed for a 80 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 69 mph basic wind with 0.50 in ice.
4. Deflections are based upon a 50 mph wind.
5. TOWER RATING: 56.9%



IETS 129 Greenwich Road Charlotte, NC 28211 Phone: (704) 522-1131 FAX: (704) 522-1280	Job: 2009-70285 BU# 876399 "E. Granby 4Q2000/Galassco"
	Project: Modifications
	Client: Crown Castle International Drawn by: Ted Haile App'd:
	Code: TIA/EIA-222-F Date: 04/30/09 Scale: NTS
	Path: Dwg No. E-1

APPENDIX B
IETS MODIFICATION
&
BASE LEVEL DRAWINGS



(F) E. GRANBY 4Q2000/GALASSO

BU#: 876399

PROJECT DESCRIPTION:
TELECOMMUNICATIONS TOWER UPGRADE

SITE NAME:
(F) E. GRANBY 4Q2000/GALASSO

SITE ADDRESS:
60 SOUTH MAIN STREET
EAST GRANBY, CT
HARTFORD COUNTY

SITE OWNER
CROWN CASTLE INTERNATIONAL, LLC
3530 TORINGDON WAY, SUITE 300
CHARLOTTE, NC 28277
CONTACT: MR. JOHN EIGENBRODE (704) 405-6616

EXISTING STRUCTURE INFO:
LATITUDE: 41° 56' 29.58"
LONGITUDE: -72° 44' 19.248"

CONSULTING FIRMS:
INDUSTRIAL ENGINEERING & TESTING SERVICES, P.C.
WILLIAM A. GRISWOLD JR., P.E.
(704) 522-1131

DESCRIPTION
TITLE PAGE - GENERAL SITE INFORMATION
TOWER MODIFICATIONS
SECTIONS AND DETAILS

SHEET NO.
01
02
03

Approved By: _____

ZONING INFORMATION:

NO.	DATE	DESCRIPTION	BY	TH
0	04-30-09	ORIGINAL RELEASE		

REVISIONS

DRAWN BY: F. HALE
CHECKED BY: W. GRESWOLD
DRAWING DATE: 04-30-09

[SITE NAME & BU#]
SITE NAME: (F) E. GRANBY
BU NUMBER: 876399

[SITE INFORMATION]
98 FOOT MONOPOLE TOWER
60 SOUTH MAIN STREET
EAST GRANBY, CT
HARTFORD COUNTY

[SHEET TITLE]
TOWER MODIFICATIONS

[SHEET NUMBER]
2009-70285-01



THE MODIFICATIONS WERE DESIGNED IN ACCORDANCE WITH THE 2006 IBC BASED UPON A FASTEST MILE WIND SPEED OF 80 MPH IN ACCORDANCE WITH THE TIA/EIA-222-F STANDARD.

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH CROWN CASTLE USA CUTTING, WELDING, & SAFETY GUIDELINES & ALL CCUSA SAFETY POLICIES.
2. ALL DIMENSIONS AND DETAILS SHOWN HAVE BEEN OBTAINED FROM EXISTING DRAWINGS. ACTUAL SITE DIMENSIONS MUST BE VERIFIED PRIOR TO FABRICATION OF ANY MATERIAL.
3. ALL DIMENSIONS AND DETAILS SHOWN HAVE BEEN OBTAINED FROM EXISTING DRAWINGS. ACTUAL SITE LOCATION, ALL TELECOMMUNICATION EQUIPMENT MUST REMAIN IN SERVICE DURING NEW TOWER WORK, UNLESS NOTED OTHERWISE.
4. CONTRACTOR SHALL SUBMIT TO ENGINEER ANY INTENT TO DEVIATE FROM PLANS AND DETAILS FOR APPROVAL PRIOR TO START OF ANY WORK.
5. CONTACT THE ENGINEER CONCERNING ANY CHANGES OR MODIFICATIONS THAT MAY BE REQUIRED DUE TO THE EXISTING FOUNDATION OR EXISTING TOWER. ANY TYPE OF WORK REPRESENTED IN THESE DRAWINGS, CONTRACTOR SHALL BE LICENSED AND REGISTERED IN THE STATE AND/OR COUNTY IN WHICH THE WORK IS TO BE PERFORMED.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK SCHEDULES AND MATERIAL ACCESS WITH RESIDENT LEASING AGENT. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFEGUARDING ALL EXISTING STRUCTURES AND BURIED UTILITIES IMPACTED BY THIS CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND PROGRAMS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, ORDINANCES, AND REGULATIONS.
8. ALL SIDES AND FACES OF THE TOWER SHALL BE REINFORCED IDENTICALLY.
9. CONTRACTOR TO COORDINATE WITH OWNER AND IETS FOR FINAL OBSERVATION.
10. THE ENGINEER OR OWNER MAY ACCEPT OR REJECT ANY WORK THAT DOES NOT MEET THE REQUIREMENTS OF THESE NOTES OR THE CONTRACT DOCUMENTS.

STRUCTURAL STEEL NOTES:

1. ALL NEW STEEL PLATE SHALL TO BE ASTM A-572 GRADE 50 MATERIAL, UNLESS NOTED OTHERWISE.
2. ALL NEW STEEL PLATE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A-123.
3. STEEL DESIGN, DETAILING, AND ERECTION TO BE IN ACCORDANCE WITH AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION AND TIA/EIA-222-F.

WELD INSPECTION NOTES:

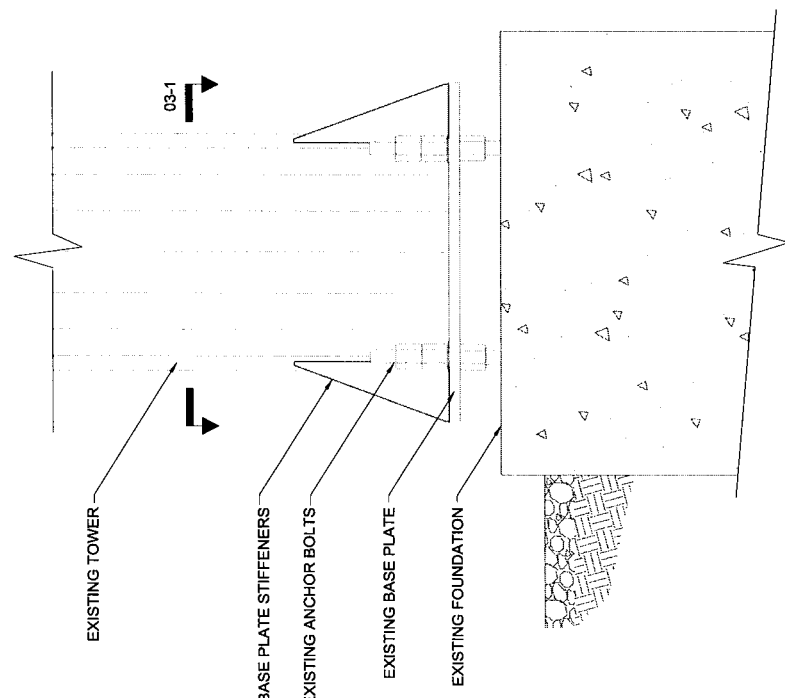
1. CONTRACTOR SHALL NOTIFY IETS BASE PLATE STEIFFENERS. THE CONTRACTOR SHALL HIRE AN ASNT LEVEL II INSPECTOR THAT SHALL PERFORM EITHER DYE PENETRANT OR MAGNETIC PARTICLE TESTING ON THE EXISTING BASE PLATE TO TOWER SHELL WELD.
2. PRIOR TO THE INSPECTION, THE WELD SHALL BE CLEANED OF ANY PAINT OR MATERIAL THAT WILL IMPACT THE RESULTS.
3. A COPY OF THE INSPECTION REPORT SHALL BE PROVIDED TO IETS PRIOR TO WELDING THE BASE PLATE STEIFFENERS. CRACKS OR OTHER INACCEPTABLE INDICATORS ARE DISCOVERED IN THE BASE PLATE WELD ALL WORK SHALL STOP UNTIL AN ADEQUATE REPAIR CAN BE DETERMINED AND COMPLETED.
4. THE INSPECTION SHALL BE PERFORMED PRIOR TO ANY PAINTING OR GALVANIZING IN THE WELD AREA.

WELDING NOTES:

1. ALL WELDING SHALL COMPLY WITH THE LATEST EDITION OF AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
2. WELD MINIMUM SIZE SHALL BE 3/16" FILLET, UNLESS NOTED OTHERWISE. ELECTRODES SHALL BE E70-XX MIN.
3. PROVIDE PHOTOGRAPHIC EVIDENCE OF PROPER PRE-HEAT WHERE APPLICABLE.
4. TOUCH UP CUT OR DAMAGED GALVANIZED AREAS AND WELD-AFFECTED AREAS WITH COLD APPLIED GALVANIZING IN ACCORDANCE WITH AWS D1.1. THE FOLLOWING NOTES 8 THROUGH 11 ARE MANDATORY.
5. ALL WELDERS SHALL BE QUALIFIED PER AWS D1.1 SECTION 4 FOR THE POSITIONS AND ELECTRODE SPECIFICATION ON THE WPS AND OR WPS.
6. THE WPS (PREQUALIFIED) WELDING PROCEDURE SPECIFICATION AND OR WPS (WELDING PROCEDURE SPECIFICATION) SHALL BE FURNISHED TO THE ENGINEER PRIOR TO MOBILIZATION.
7. EACH WELDER'S WPS (WELDER PERFORMANCE QUALIFICATION) FOR THE POSITIONS AND WELDING PROCEDURE (WPS OR WPS) SHALL BE FURNISHED TO IETS PRIOR TO MOBILIZATION FOR INSTALLATION.
8. IF A WPS IS FURNISHED IT SHALL REFER TO A SUPPORTING PQR (PERFORMANCE QUALIFICATION RECORD) PER AWS D1.1 SECTION 6.6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISUAL INSPECTIONS AND REQUIREMENTS OF THIS CODE. ALL DEFICIENCIES IN MATERIAL AND WORKMANSHIP IN CONFORMANCE WITH THE REQUIREMENTS OF THIS CODE, SHALL BE CORRECTED PRIOR TO FINAL INSPECTION.
9. SUBMITTED TO IETS PRIOR TO FINAL INSPECTION.

CONTRACTOR SHALL PROVIDE THE FOLLOWING SUBMITTALS TO IETS:

1. BASE PLATE WELD INSPECTION REPORT.
2. WPS AND/OR WPS AND WELDER CERTIFICATIONS (WPS) PRIOR TO CONSTRUCTION.
3. CONTRACTOR FIRE PREVENTION AND PROCEDURE PLAN.
4. ALL MATERIALS TO BE USED FOR ALL NEW MATERIAL.
5. GALVANIZING RECORD FOR ALL NEW MATERIAL.
6. PHOTOGRAPHIC EVIDENCE OF PRE-HEAT TEMPERATURE REQUIRED BY AWS D1.1.



SECTION 02-1
SCALE: NTS



NO.	DATE	DESCRIPTION
01	04-09-08	ORIGINAL RELEASE
02	09-04-08	ORIGINAL RELEASE

DRAWN BY: T. HALL
CHECKED BY: W. GRISWOLD
DRAWING DATE: 09-04-08

SITE NAME & #139;
SITE NAME: (P) E. GRANBY
BU NUMBER: #76399

SITE INFORMATION
PROJECT MONOPOLE TOWER
86 SOUTH MAIN STREET
EAST GRANBY, CT
HARTFORD COUNTY

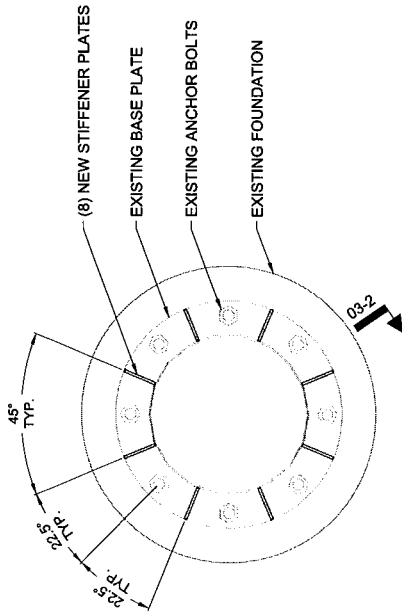
SHEET TITLE
TOWER MODIFICATIONS

SHEET NUMBER
2009-70285-02

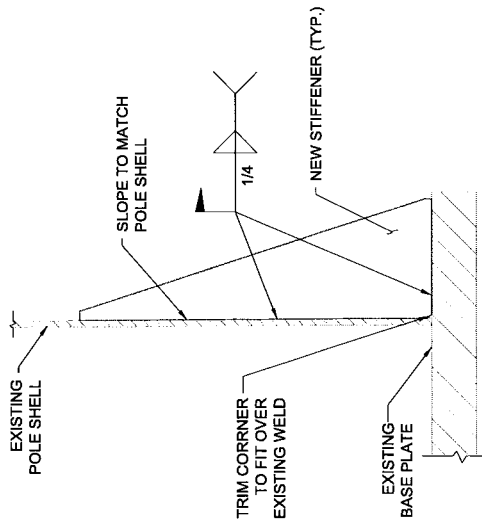
REINFORCING SUMMARY		
ELEVATION	DESCRIPTION	NO. & SIZE
BASE	BASE PLATE STEIFFENER PLATES	(8) @ PL 1/2"
	REFERENCE DWGS	02 & 03

TOWER MODIFICATIONS

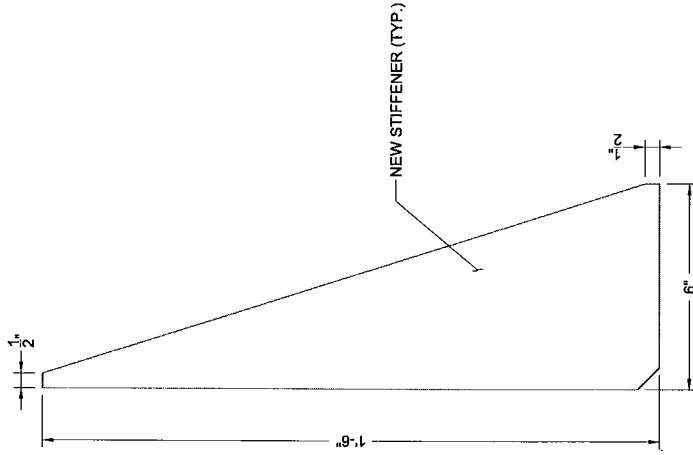
SCALE: NTS



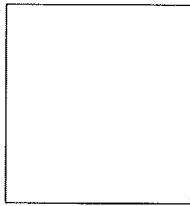
SECTION 03-1
SCALE: NTS



DETAIL 03-2
SCALE: NTS



DETAIL 03-3
SCALE: NTS



NO.	DATE	DESCRIPTION	BY	TH
0	04-30-09	ORIGINAL RELEASE		

REVISIONS

DRAWN BY: T. HALE
 CHECKED BY: W. GRISWOLD
 DRAWING DATE: 04-30-09

SITE NAME & BU#
 SITE NAME - F/E GRANBY
 BU NUMBER - 676399

SITE INFORMATION
 86 SOUTH MAIN STREET
 EAST GRANBY, CT
 HARTFORD COUNTY

SHEET TITLE
 TOWER MODIFICATIONS

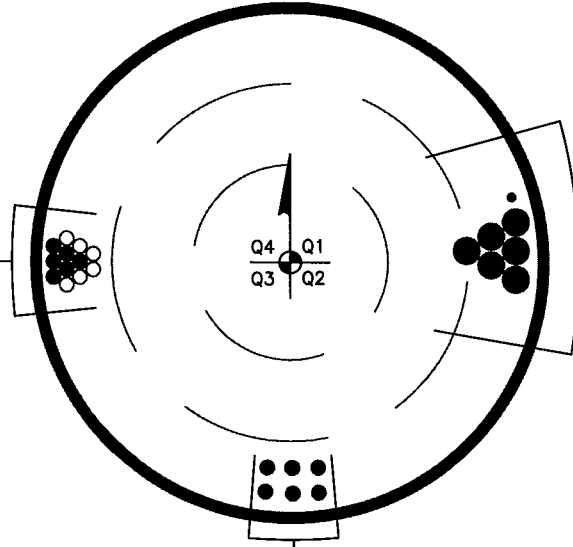
SHEET NUMBER
 2009-70285-03

SCALE: NTS

SECTIONS AND DETAILS



(PROPOSED—IN ADDITION TO INSTALLED)
(6) 7/8" TO 77 FT LEVEL
(INSTALLED)
(6) 7/8" TO 77 FT LEVEL
(AT&T MOBILITY)



(INSTALLED)
(6) 7/8" TO 87 FT LEVEL

(INSTALLED)
(6) 1-5/8" TO 96 FT LEVEL
(1) 1/2" TO 47 FT LEVEL

Existing, Proposed, & Reserved Cables

AT&TM Co-Locate
"East Granby-South
Main Street"

www.tets.com
TETS
Engineering Services
129 Greenwich Road
Charlotte, NC 28211
Ph:(704)522-1131
Fax:(704)522-1280

NOTES

RELEASE: ORIGINAL

DRAWN BY: TH
CHECKED BY: W. A. Griswold
DRAWING DATE: 4-17-2009

BUSINESS UNIT NUMBER
876399

SITE NAME

E. Granby

SITE INFORMATION

98' Monopole
60 South Main St.
East Granby, CT

DRAWING TITLE

Cable Routing Drawing

DRAWING NUMBER

2009-70259-01



SITE NUMBER
5359
 SITE NAME
EAST GRANBY

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

