

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

February 6, 2008

Steven L. Levine
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067

RE: **EM-CING-089-080110** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 10 Loon Lake Road, New Britain, Connecticut.

Dear Mr. Levine:

At a public meeting held on January 24, 2008, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the condition that the modifications specified on the structural analysis report dated October 17, 2007, and sealed by Michael Plahovinsak, P.E. are performed prior to the antenna swap and that a signed letter from a Professional Engineer is submitted to the Council to certify that the modifications have been properly completed.

The proposed modifications are to be implemented as specified here and in your notice dated January 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.

Thank you for your attention and cooperation.

Very truly yours,


Daniel F. Caruso

Chairman

DFC/MP/cm

c: The Honorable Timothy T. Stewart, Mayor, City of New Britain
Steven P. Schiller, Director of Planning, City of New Britain
Crown Castle



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

EM-CING-089-080110

Steven L. Levine
Real Estate Consultant

RECEIVED
JAN 10 2008
CONNECTICUT
SITING COUNCIL

HAND DELIVERED

January 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 telecommunications facility located at 10 Loon Lake Road, New Britain (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 (“Cingular”) 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 Cingular’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 of similar size, shape, and weight, or, installation of additional antennas of similar size, shape, and weight.
- 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.

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 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, 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**

10 Loon Lake Road, New Britain, CT
Site Number 1024
Exempt Modifications 2/16/00 and 7/11/02

Tower Owner/Manager: Crown Castle

Equipment configuration: Monopole

Current and/or approved: Nine CSS DUO1417 antennas @ 100 ft c.l.
Nine runs 7/8 inch coax
Six TMA's

Planned Modifications: Remove three existing antennas.
Install three Powerwave 7770 antennas @ 100 ft c.l.
Install three additional runs 7/8 inch coax (total of 12)
Install three diplexers @ 100 ft

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 24.6 % 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 24.7 % 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 *							8.07
Cingular TDMA *	100	880 - 894	16	100	0.0575	0.5867	9.81
Cingular GSM *	100	880 - 894	2	296	0.0213	0.5867	3.63
Cingular GSM *	100	1930 - 1970	2	427	0.0307	1.0000	3.07
Total							24.6%

* 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 *							19.47
Cingular GSM	149	880 - 894	3	296	0.0144	0.5867	2.45
Cingular GSM	149	1900 Band	2	427	0.0138	1.0000	1.38
Cingular UMTS	149	880 - 894	1	500	0.0081	0.5867	1.38
Total							22.7%

* Per CSC Records

Structural information:

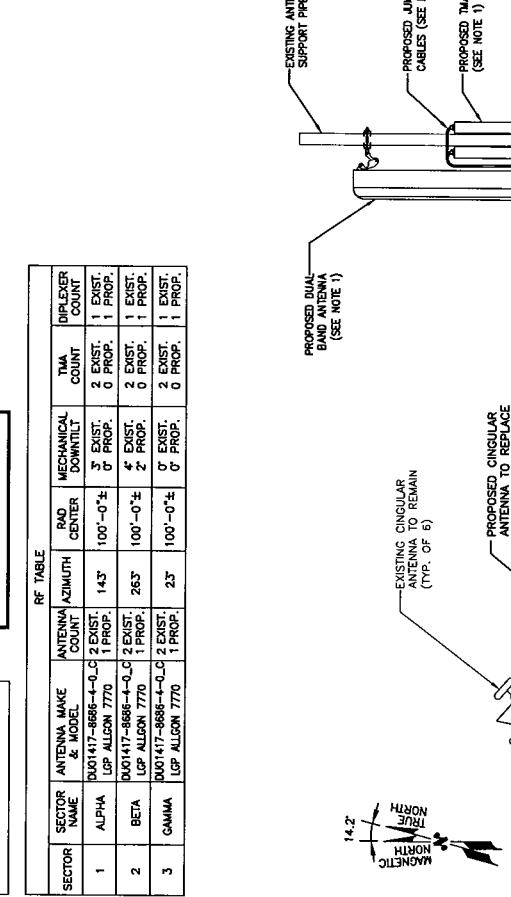
The attached structural analysis demonstrates that the tower and foundation, with recommended structural modifications installed, will have adequate structural capacity to accommodate the proposed equipment modifications. (Paul J. Ford & Co., 10/17/07) Crown Castle will complete the structural modifications prior to Cingular making changes to its equipment on the tower. Cingular respectfully requests a conditional approval for the proposed modifications.

NOTE:
AN ANALYSIS FOR THE CAPACITY
OF THE EXISTING STRUCTURES
TO SUPPORT THE PROPOSED
EQUIPMENT SHALL BE DETERMINED
PRIOR TO CONSTRUCTION.

NOTE:
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EQUIPMENT SHALL BE DETERMINED
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REFER TO THE FINAL RF DATA
SHEET FOR FINAL ANTENNA
SETTINGS.

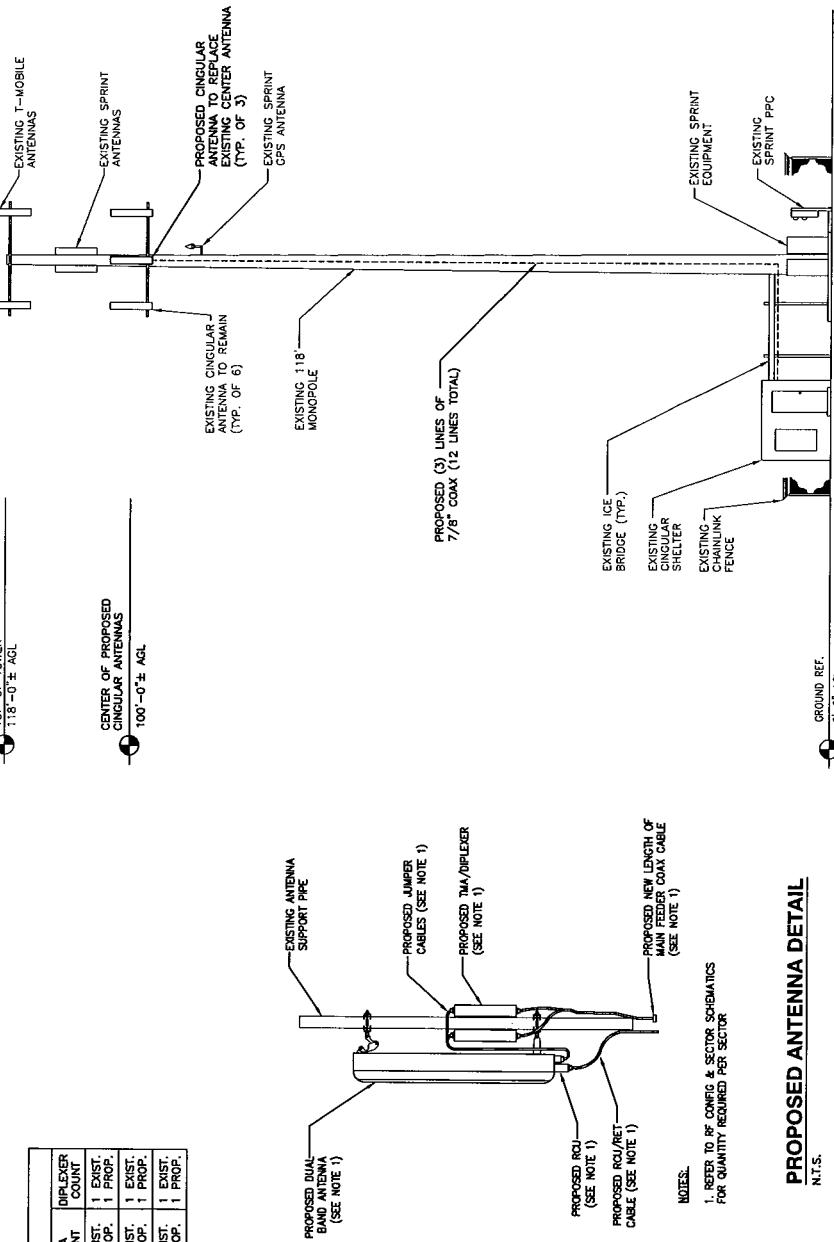
RF TABLE						
SECTOR	SECTOR NAME	ANTENNA MAKE & MODEL	ANTENNA COUNT	AZIMUTH CENTER	ROAD CENTER	DIPLEXER COUNT
1	ALPHA	DU01417-8686-4-LC LGP ALUON 770	2 EXIST. 1 PROP.	143°	100'-0" ± AGL	3 EXIST. 0 PROP.
2	BETA	DU01417-8686-4-LC LGP ALUON 770	2 EXIST. 1 PROP.	263°	100'-0" ± AGL	4 EXIST. 0 PROP.
3	GYMMA	DU01417-8686-4-LC LGP ALUON 770	2 EXIST. 1 PROP.	23°	100'-0" ± AGL	2 EXIST. 0 PROP.



PROPOSED ANTENNA PLAN VIEW

N.T.S.

TOP OF TOWER	
1118'-0" ± AGL	100'-0" ± AGL



PROPOSED SOUTH ELEVATION

STATE OF CONNECTICUT		CINGULAR WIRELESS		ANTENNA LAYOUT AND ELEVATION		UMTS (INDOOR)		REV.	
Site No.	24-78	Antenna Type	DU01417-8686-4-LC	Licenses	001	Antenna Model	DU01417-8686-4-LC	Antenna ID	1024-01
Date Issued	06/17/07	Antenna Layout	001	Antenna Height	100'	Antenna Elevation	100'	Antenna Ref.	A-2
Comments	ISSUED FOR CONSTRUCTION	Revised By	001	Antenna Type	DU01417-8686-4-LC	Antenna Model	DU01417-8686-4-LC	Antenna ID	1024-01
Scale	1" = 10'-0"	Revised Date	06/17/07	Antenna Layout	001	Antenna Elevation	100'	Antenna Ref.	A-2
Notes		Revised By		Antenna Model		Antenna ID		Antenna Ref.	



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

Steven L. Levine
Real Estate Consultant

January 10, 2008

Honorable Timothy T. Stewart, Mayor
City of New Britain
City Hall 27 West Main St.
New Britain, CT 06051-2298

Re: Telecommunications Facility – 10 Loon Lake Road, New Britain

Dear Mayor Stewart:

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



PAUL J. FORD AND COMPANY
STRUCTURAL ENGINEERS
250 East Broad Street • Suite 1500 • Columbus, Ohio 43215-3708

October 17, 2007

Ed Carroll
Crown Castle International
9105 Monroe Road
Suite, 150
Charlotte, NC 28270
(704)-321-3848

Modified Structure is Adequate
Modified Monopole is Adequate
Modified Foundation is Adequate

Subject: Structural Analysis Report of Existing 118-Ft Monopole

Carrier Designation	Cingular Co-Locate	
	Carrier Site Number:	1024
	Carrier Site Name:	New Britain - Loon Lake
Crown Castle Designation	Crown Castle BU Number:	876331
	Crown Castle Site Name:	New Britain Gravel Pit
	Crown Castle JDE Job Number:	88770
Engineering Firm Designation	Paul J. Ford and Company	41707-0508_BP
Site Data	Lot C North Mountain Rd, New Britain, Harford County, CT	
	Latitude 41° 40' 35.724", Longitude -72° 49' 17.076"	

Dear Ed Carroll,

Paul J. Ford and Company is pleased to submit this "Structural Analysis Report" to determine the structural adequacy of the above monopole. This analysis has been performed in accordance with the Crown Castle Structural "Statement of Work", the terms of the Purchase Order, and the TIA/EIA-222-F Standard for the following Basic Wind Speeds: 80 mph without ice, 69 mph with 0.5" radial ice, and 50 mph (Operational) without ice.

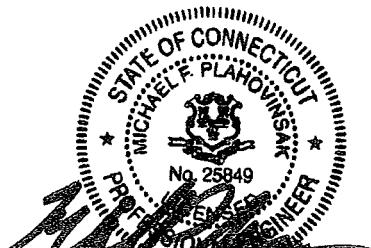
The monopole was analyzed with the addition of the proposed antenna loading shown in the table below combined with the existing and reserved loading on the structure:

Elevation (ft)	Count	Antenna Description
100	3	Powerwave Technologies 7770 w/ Mount Pipe
	6	Powerwave Technologies LGP139nn

Based on our analysis, we have determined that the existing monopole structure and foundation are overstressed. When the specified modifications are completed, the reinforced monopole and foundation will have sufficient capacity to support the existing, reserved, and proposed loading.

Respectfully submitted,

Justin T. Kline, P.E.
Project Engineer
jkline@pjfweb.com



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(614) 221-6679

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(404) 266-2407

• ORLANDO, FLORIDA
(407) 898-9039

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INTRODUCTION

At the request of Crown Castle International, Paul J. Ford and Company has analyzed the monopole with proposed modifications at the New Britain Gravel Pit site located in New Britain, Harford County, CT. This structural analysis has been performed in accordance with the TIA/EIA-222-F-1996 Standard, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures" to determine if the monopole structure has adequate capacity to support the existing, reserved, and proposed antenna loading.

ANALYSIS CRITERIA

The existing monopole with proposed modifications has been analyzed for the antenna and coax loading listed in Tables 1A, 1B, 2A, and 2B below. The monopole has been analyzed in accordance with the TIA/EIA-222-F-1996 Standard for the following fastest-mile Basic Wind Speeds: 80 mph without ice, 69 with 0.5" radial ice, and 50 mph without ice as recommended for Harford County, CT.

Table 1A - Proposed Antenna Information

Elevation - ft	Count	Antenna Description	Status
100	3	Powerwave Technologies 7770 w/ Mount Pipe	Proposed
	6	Powerwave Technologies LGP139nn	Proposed

Table 1B - Proposed Cable Information

Elevation - ft	Count	Cable Description	Location	Status
100 - 0	3	LDF5-50A (7/8" foam)	Internal	Proposed

Table 2A - Existing and Reserved Antenna Information

Elevation - ft	Count	Antenna Description	Status
116	9	72" x 12" x 3" Panel w/ mount pipe	MLA
	1	Pirod 15' Platform w/ Handrails (monopole)	Existing
108	3	RFS APX16PV-16PVL w/mount pipe	Existing
	3	TMA 1900-850	Existing
100	1	MTS 12" Antenna Stand-Off (3)	Existing
	9	DUO1417-8686 w/Mount Pipe	Existing
90	9	TMA 1900-850	Existing
	1	Pirod 15' LP Platform (monopole)	Existing
80	6	Antel LPA-80080/6CF	Existing
	6	Antel LPA-185080/12CF w/ Mount Pipe	Existing
70	1	Pirod 15' Platform w/ Handrails (monopole)	Existing
	1	GPS	Existing
60	1	MTS 12" Antenna Stand-Off (1)	Existing
	1	GPS	Existing

Table 2B - Existing and Reserved Cable Information

Elevation - ft	Count	Cable Description	Location	Status
116 - 0	9	LDF7-50A (1 5/8" foam)	Internal	MLA
108 - 0	12	LDF4-50A (1/2" foam)	Internal	Existing
100 - 0	9	LDF5-50A (7/8" foam)	Internal	Existing
90 - 0	12	LDF6-50 (1 1/4" foam)	Internal	Existing
80 - 0	1	LDF4-50A (1/2" foam)	Internal	Existing

Information for the existing monopole and foundation is based on the available drawings, documents, and/or information listed in Table 3 below.

Table 3 - Reference Documents Provided

Document	Source	Reference	Remarks
Proposed Antenna Loading	Crown Castle		Walker , 07060170VA, 7/18/07
Existing Antenna Loading	Crown Castle		Walker , 07060170VA, 7/18/07
Original Tower Drawings	Crown Castle	1947800	Rohn
Foundation Drawings	Crown Castle	1947800	Rohn
Modification Drawings	Crown Castle		PJF, 41707-0508, 10/19/07
Structural Analysis	Crown Castle		Walker , 07060170VA, 7/18/07

ANALYSIS PROCEDURE

ANALYSIS METHODS

RISA Tower (Version 5.0.2.0), a commercially available software program, was used to create a three-dimensional model of the monopole and calculate member stresses for various dead, live, wind, and ice load cases. The analysis was performed in accordance with the TIA/EIA-222-F Standard. Selected output from the analysis is included in Appendix A.

ASSUMPTIONS

1. Monopole was fabricated and installed in accordance with the manufacturer's specifications.
2. Monopole has been properly maintained in accordance with manufacturer's specifications.
3. The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1A, 1B, 2A, and 2B and the referenced drawings.
4. Analysis assumes modifications per PJF#41707-0508, dated 10/19/07 have been installed.

If any of the above assumptions are not valid or have been made in error, then the results of this analysis may be affected. In that case, please notify Paul J. Ford and Company immediately so that we can review any new and/or modified information and determine its affect on the analysis results regarding the structural adequacy of the monopole and foundation.

ANALYSIS RESULTS

Once the specified modifications to the existing monopole structure and foundation are completed, our structural analysis indicates that the reinforced monopole and foundation will have sufficient capacity to adequately support the existing, reserved, and proposed loading.

Table 4 - Component Stresses vs. Capacity (for Reinforced Condition)

Notes	Component	Elevation ft.	% Capacity	Pass / Fail
Risa Tower Analysis Summary:				
	L1	118 - 90	62.7	Pass
	L2	90 - 60	74.2	Pass
	L3	60 - 30	78.6	Pass
	L4	30 - 0	86.3	Pass
Additional Components:				
	Base Plate	0 - 0	64.2	Pass
	Anchor Rods	0 - 0	79.5	Pass
	Foundation (Soil) - PJF Pole	0 - 0	66.2	Pass
	Foundation (Structural) - PJF Pole	0 - 0	31	Pass
Structural Rating (maximum capacity of all components) =				86.3

As summarized in Table 4 above, our analysis indicates that the existing monopole structure and foundation are overstressed. When the specified modifications are completed, the reinforced monopole and foundation will have sufficient capacity to support the existing, reserved, and proposed loading.

MODIFICATIONS

See Modification Drawings PJF#41707-0508, dated 10/19/07.

DESIGNED APPURTEINANCE LOADING

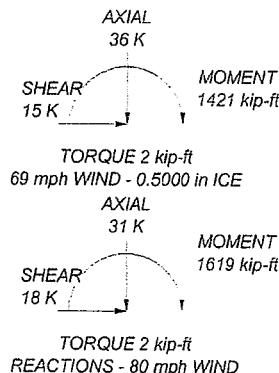
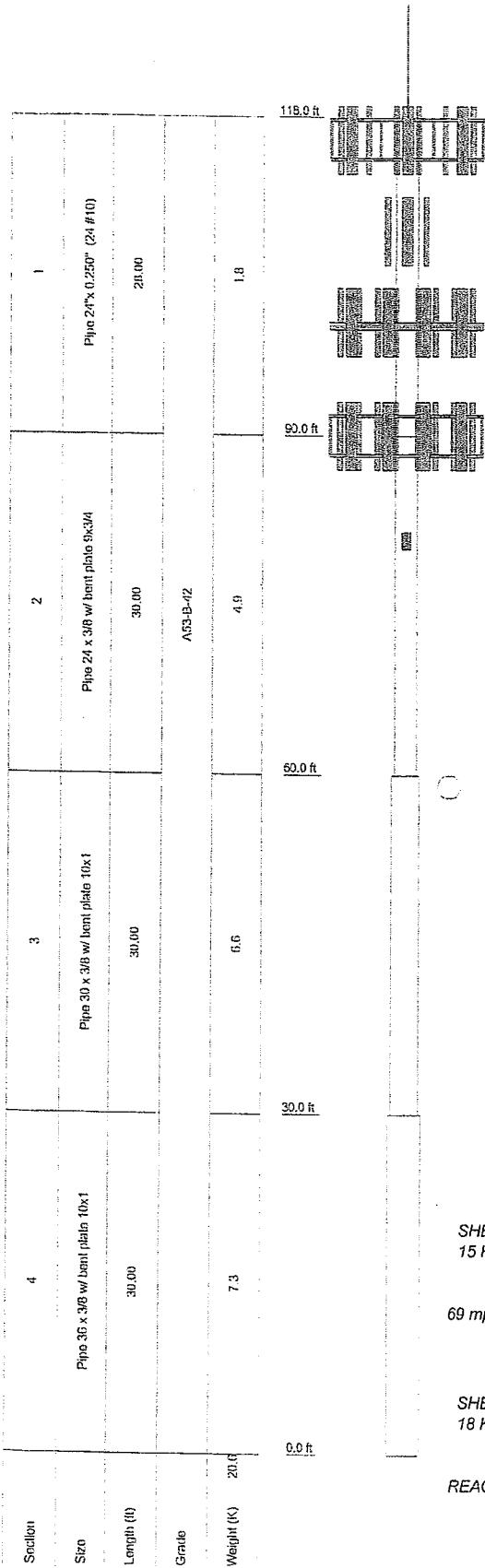
TYPE	ELEVATION	TYPE	ELEVATION
3/4" x 10 ft lightning rod	123	Powerwave Technologies 7770 w/ Mount Pipe	100
(3) 72" x 12" x 3" Panel w/ mount pipe	116	Pirod 15' LP Platform (monopole)	100
(3) 72" x 12" x 3" Panel w/ mount pipe	116	(2) Powerwave Technologies LGP139nn	100
(3) 72" x 12" x 3" Panel w/ mount pipe	116	(2) Powerwave Technologies LGP139nn	100
Pirod 15' Platform w/ Handrails (monopole)	116	(2) Powerwave Technologies LGP139nn	100
RFS APX16PV-16PV w/mount pipe	108	(2) Antel LPA-185030/12CF w/ Mount Pipe	90
RFS APX16PV-16PV w/out mount pipe	108	(2) Antel LPA-185030/12CF w/ Mount Pipe	90
RFS APX16PV-16PV w/out mount pipe	108	(2) Antel LPA-185030/12CF w/ Mount Pipe	90
(3) TMA 1900-850	108	(2) Antel LPA-185030/12CF w/ Mount Pipe	90
MTS 12" Antenna Stand-Off (3)	108	(2) Antel LPA-185030/12CF w/ Mount Pipe	90
(3) DUO1417-8585 w/Mount Pipe	100	Pirod 15' Platform w/ Handrails (monopole)	90
(3) DUO1417-8585 w/Mount Pipe	100	(2) Antel LPA-80030/6CF	90
(3) DUO1417-8585 w/Mount Pipe	100	(2) Antel LPA-80030/6CF	90
(3) TMA 1900-850	100	(2) Antel LPA-80030/6CF	90
(3) TMA 1900-850	100	(2) Antel LPA-80030/6CF	90
(3) TMA 1900-850	100	MTS 12" Antenna Stand-Off (1)	80
Powerwave Technologies 7770 w/ Mount Pipe	100	GPS	80
Powerwave Technologies 7770 w/ Mount Pipe	100		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 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. Step Bolts Full Height
6. If Existing Conditions Are Not as Represented on This Sketch, Paul J. Ford Co. Should be Notified to Re-evaluate the Structural Adequacy of the Pole.
7. See Report for Manufacturer Information and Assumptions.
8. TOWER RATING: 86.3%

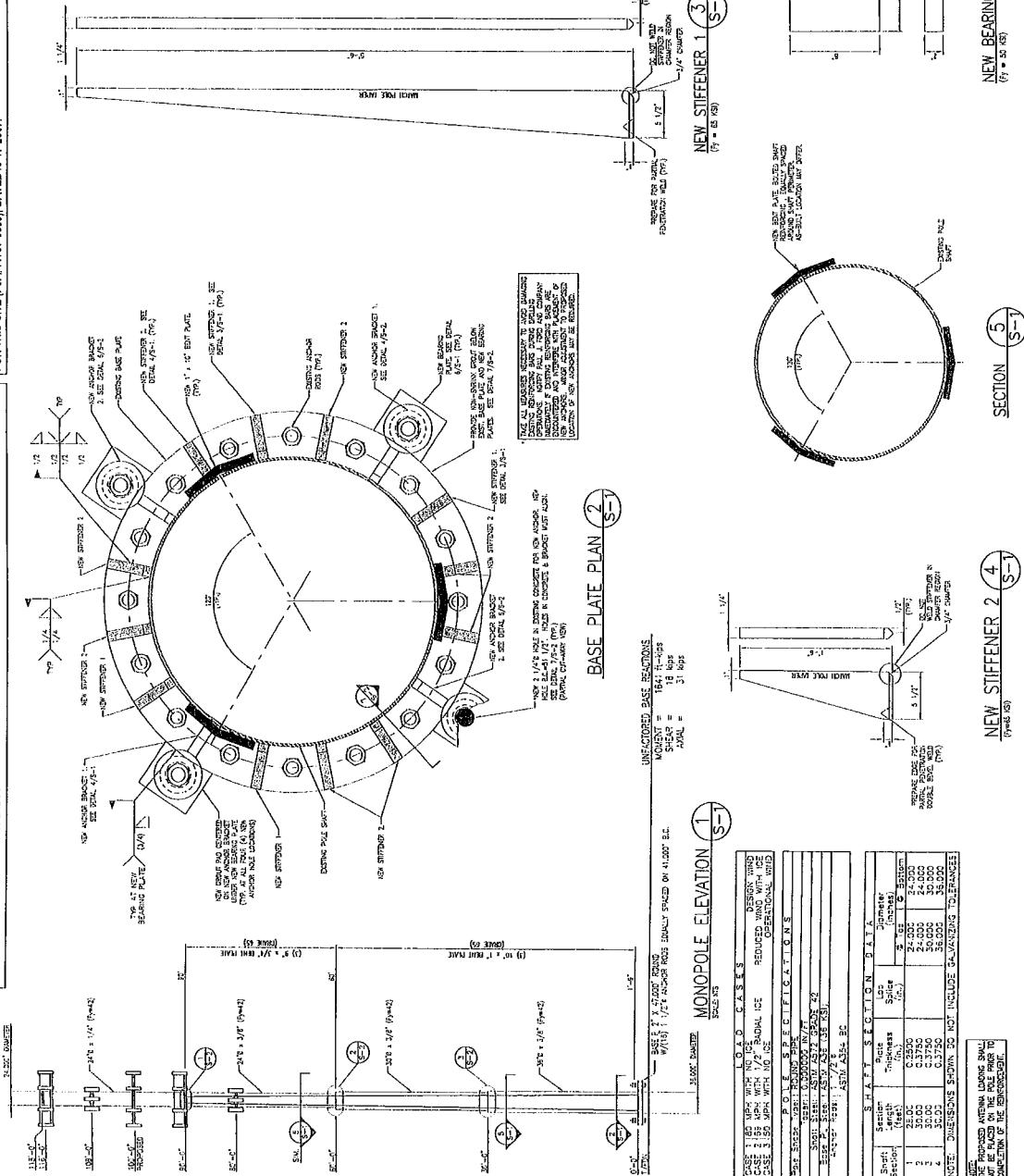


	Loc: 118-ft Monopole / PJF #41707-0508 / New Britain, CONN
Project BU#876331 / New Britain Gravel Pit	
Client: Crown Castle International	Drawn by: Justin Kline
Code: TIA/EIA-222-F	App'd:
Date: 10/16/07	Scale: NTS
Path: G:\\TOWER\\417\\Arch\\Schematics\\118ft\\BU#876331\\New Britain Gravel Pit\\41707-0508.dwg	Dwg No. E-1

NOTE: NO DETAILED INFORMATION REGARDING INTERFERENCES WAS PROVIDED. THEREFORE, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY AND ALL DISCREPANCIES TO PAUL J. FORD AND COMPANY AND AEROSOLUTIONS FIELD PERSONNEL IMMEDIATELY.

GENERAL PLATES

**THIS POLE REINFORCEMENT DRAWING IS FOR THE POLE DESIGN AND
ANTENNA LOADING DOCUMENTED IN THE PUF STRUCTURAL ANALYSIS
FOR THIS SITE (P#E#1707-0508). DATED 10-17-2007**



10222

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DATE EOB PERMIT: 10-11

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System has been developed for Crown Castle to

Aero Solutions, LLC. These drawings are authorized by:

ROLE REINFORCEMENT AND
NEWSPRINT GRAVURE PRINTING

NEW BRUNSWICK GRAVEL PLANT

1661 15TH STREET, SUITE 202, D.C.
7-8720

PAUL LECORD AND

578 UCT 10051
1674 Boston Boulevard
Columbus, Ohio

100

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MONOPOLY REINFORCEMENT AND RETROFIT PROJECT
BU 876331; NEW BRITAIN, CONNECTICUT

This strengthening project utilizes the **POLEMAX™ Upgrade System**. The **Polemax™ System** has been developed by **Aero Solutions LLC**, Patented products and/or trademarks of Aero Solutions LLC. Patent pending. This system will eliminate the repetitive lifting required to use this specific project. Repetitive Cages and Aero Solutions LLC. These drawings are also intended to be used only for this specific project.

MONOPOLY REINFORCEMENT AND RETROFIT PROJECT
BU 876331; NEW BRITAIN, CONNECTICUT

47-707-050
10-19-2000

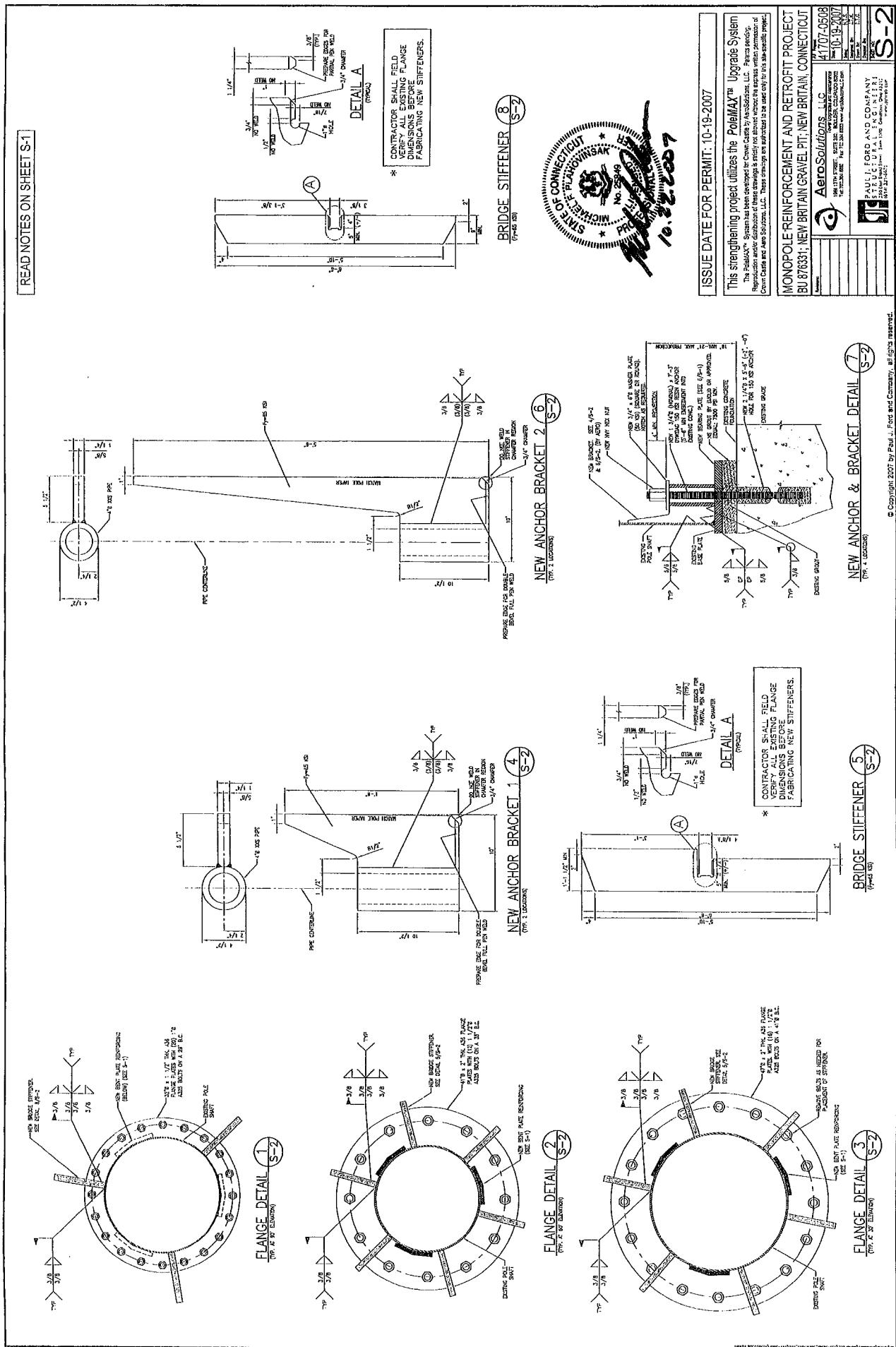
Aero Solutions LLC

 1000 CHURCH ST.
 SUITE 200
 NEW YORK,
 NY 10012
 TEL: 212-533-1000
 FAX: 212-533-1001
 E-MAIL:
 info@aerosolutions.com

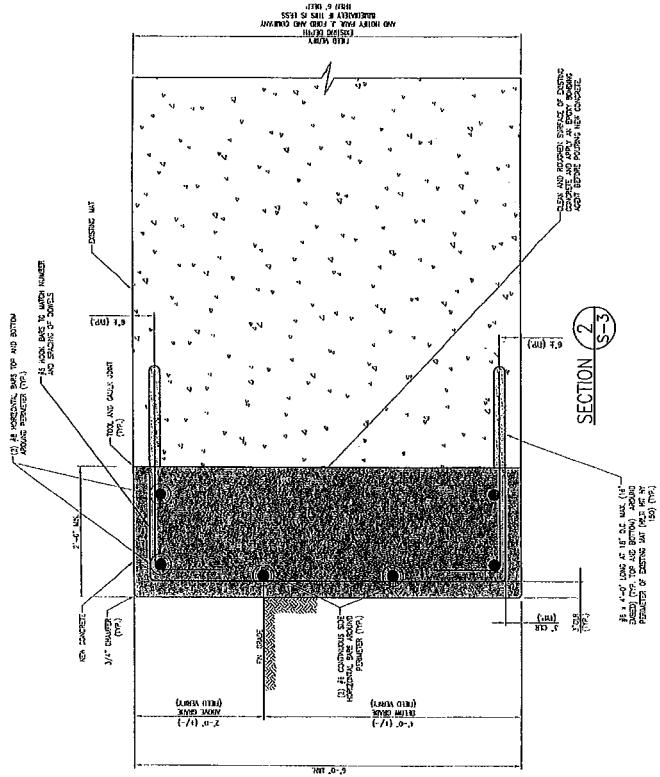
PAUL J. FORD AND COMPANY

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 NY 10012
 TEL: 212-533-1000
 FAX: 212-533-1001
 E-MAIL:
 info@pjfc.com

READ NOTES ON SHEET S-1



READ NOTES ON SHEET S-1



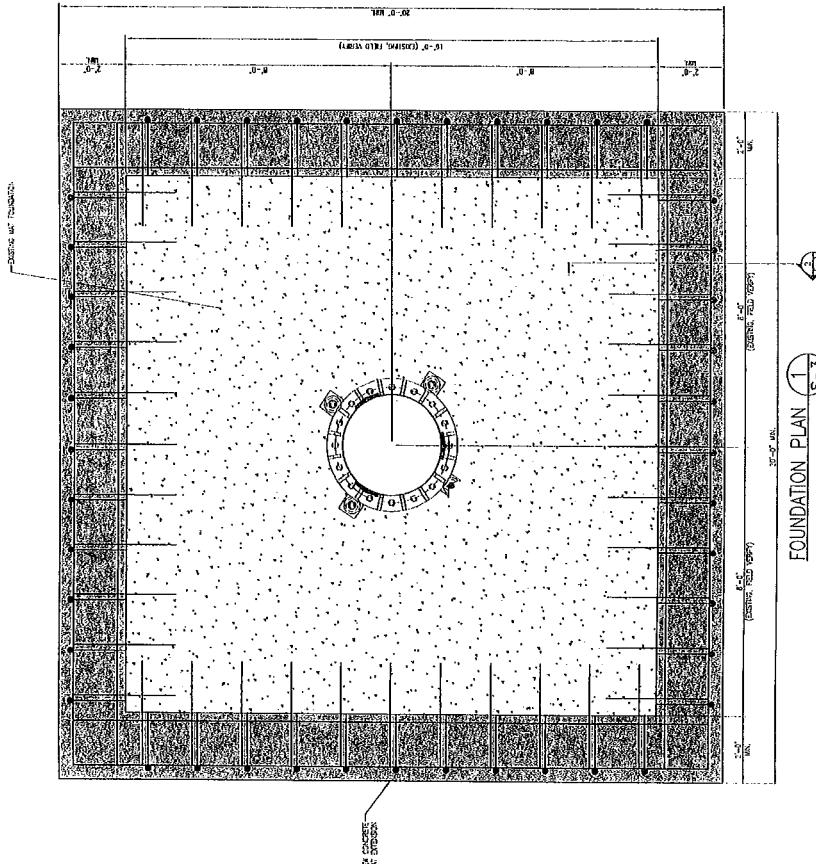
ISSUE DATE EOF BEMBT: 10/10/2003

This strengthening project utilizes the PoleMAX™ Upgrade System. The PoleMAX™ System has been developed for Crown Castle by Aero-Students, L.C. Patients benefits from the use of the PoleMAX™ Upgrade System because it allows for a more rapid and accurate distribution of live equipment to the areas within the perimeter of the tower. PoleMAX™ Upgrade System can be used directly on the existing tower or as a separate project.

MONOPOLY REINFORCEMENT AND RETROFIT PROJECT	
NEW BRITAIN GRAVEL PIT; NEW BRITAIN, CONNECTICUT	
SUITE 8763311; 8763311	
Aero Solutions, LLC	
770-0560	
11-15-2004	
S-3	
	
	

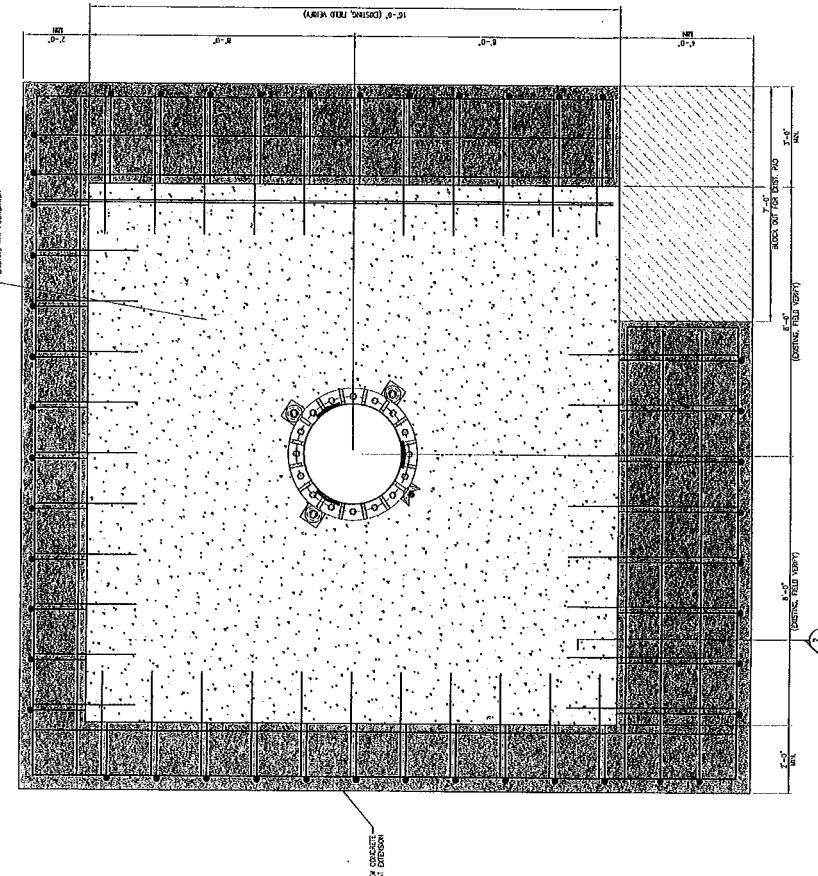
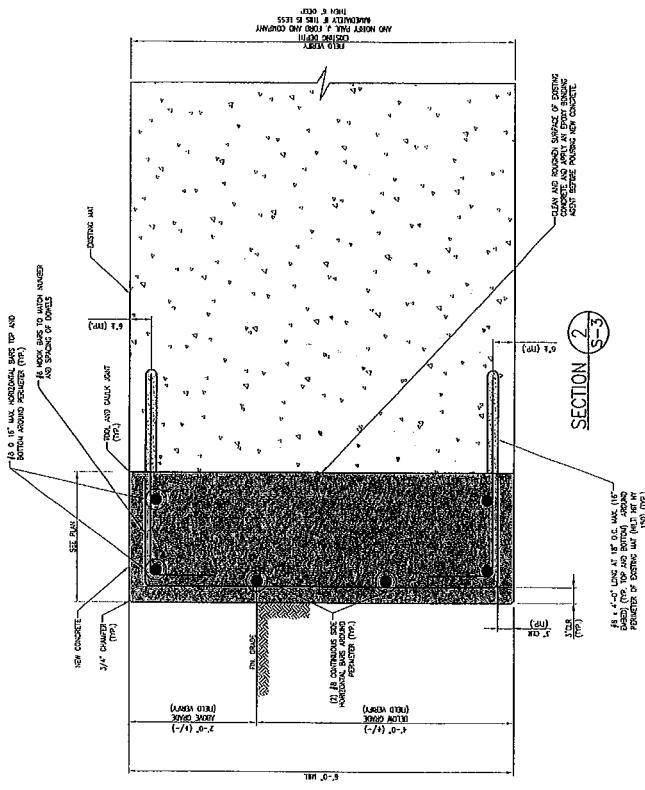


10.22.9



THESE ARE THE NAMES OF THE MEMBERS OF THE COMMITTEE WHICH WAS APPOINTED TO PREPARE THE PROPOSED CONSTITUTION FOR THE STATE OF MARYLAND. THE COMMITTEE CONSISTED OF THE FOLLOWING MEMBERS: JAMES WILSON, JOHN BROWN, THOMAS COOPER, ROBERT REED, AND JAMES HENRY. THE COMMITTEE PREPARED A PROPOSED CONSTITUTION WHICH WAS APPROVED BY THE PEOPLE OF MARYLAND IN 1776.

READ NOTES ON SHEET S-1



FOUNDATION PLAN 1 S-3

- ISSUE DATE FOR CONSTRUCTION: 11-28-2007

This strengthening project utilizes the **PoleMAX™ Upgrade System**. The PoleMAX™ System has been developed for Crown Cast by Americast Systems, LLC. Patents pending.

