



August 18, 2006

Mr. Steve Levine
Cingular Wireless
500 Enterprise Drive
Suite 3A
Rocky Hill, CT 06067

RECEIVED
AUG 31 2006

CONNECTICUT
SITING COUNCIL

**Reference: Proposed Telecommunications Facility
Cingular Wireless
American School for the Deaf
139 North Main Street
West Hartford, Connecticut
CW1 058/36921754.00000**

Dear Mr. Levine:

URS Corporation (URS) has been authorized by Cingular Wireless to conduct a structural evaluation of the proposed Cingular Wireless installation at the American School for the Deaf located at 139 North Main Street, West Hartford, Connecticut.

The proposed installation will consist of 10,000lbs of equipment in a 12' x 24' equipment room on a steel support frame in the attic and three (3) sectors of antennas mounted to the cupola. Each antenna sector will consist of one (1) Antel BXA-185085/12CF antenna flush mounted to the exterior of the cupola at a centerline height of 76'-0" \pm above grade and one (1) Antel BXA-80090/4CF antenna flush mounted to the exterior of the cupola at a centerline height of 71'-0" \pm above grade.

URS performed an evaluation based on information collected during site visits and available building drawings.

Based on our evaluation, we have determined that the existing building structure is capable of supporting the loads imposed by the proposed Cingular Wireless antenna and equipment room installation. This evaluation is based on the requirements of the 2005 Connecticut State Building Code and the latest supplements and amendments.

If you should have any questions, please call.

Sincerely,

URS Corporation AES


Richard Sambor, P.E.
Manager Facilities Design



RAS/jek

cc: Bryon Morawski - Cingular Wireless
Alitz Abadjian - URS
Douglas Roberts, AIA - URS
Ignacio C. Artaiz, AIA - URS
CF/Book - URS

URS Corporation
500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
Tel: 860.529.8882
Fax: 860.529.3991



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@po.state.ct.us

www.ct.gov/csc

June 30, 2006

Steven Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Dr.
Rocky Hill, CT 06067-7636

RE: **EM-CING-155-060616** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 139 North Main Street, West Hartford, Connecticut.

Dear Mr. Levine:

At a public meeting held on June 27, 2006, 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 following conditions:

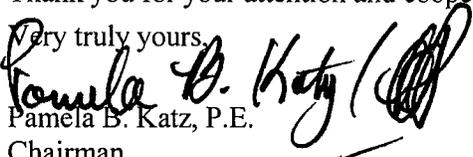
1. A detailed structural analysis letter is provided to the Council and all recommendations by the engineer are implemented prior to the antenna installation.
2. All conditions recommended by the State Historic Preservation Officer in the June 6, 2006 letter are met.

The proposed modifications are to be implemented as specified here and in your notice dated June 16, 2006 and additional information received June 20, 2006 and June 22, 2006, including the placement of all necessary equipment in the building's attic. 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,


Pamela B. Katz, P.E.

Chairman

PBK/laf

- c: The Honorable Scott Slifka, Mayor, Town of West Hartford
James Francis, Town Manager, Town of West Hartford
Mila Limson, Town Planner, Town of West Hartford
J. Paul Loether, Division Director and Deputy, State Historic Preservation Officer
Kenneth C. Baldwin, Esq., Robinson & Cole LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP



Perrone, Michael

EM-CING-155-060616

From: Levine, Steven [steven.levine@cingular.com]
Sent: Tuesday, June 20, 2006 11:37 AM
To: Perrone, Michael
Cc: Fisher, Christopher; jimfrancis@westhartford.org
Subject: Cingular Exempt Modification filing for the American School for the Deaf

Mike,

Thank you for pointing out the error in Cingular's June 16 exempt modification filing for the American School for the Deaf in West Hartford.

As you noted, the upper antennas in each sector will be 6 ft Amphenol antennas rather than 12 foot. The model number given, however, is correct.

Per your request, I am attaching a corrected page 2 of the filing.

Please feel free to call if you have any further questions or comments.

New Cingular Wireless PCS, LLC

Steve Levine

Real Estate Consultant

500 Enterprise Drive, 3rd Fl., Rocky Hill, CT 06067
Office 860-513-7636 Mobile 203-556-1655 Fax 860-513-7190

This e-mail, and any attachments, are intended only for use by the address(es) named herein and may contain legally privileged and/or confidential information. It is the property of Cingular Wireless. If you are not the intended recipient of this email, you are hereby notified that any dissemination, distribution or copying of this email, any attachments thereto, and any use of the information contained is strictly prohibited. If you have received this email in error, please notify me at (860-513-7636) and permanently delete the original and any copy thereof.

RECEIVED
JUN 20 2006
CONNECTICUT
SITING COUNCIL

Verizon Wireless. (Coordinates of the cupola are (NAD 83) N 41° 46' 16" and W 72° 44' 50".) Six Verizon antennas are mounted to the outside of the cupola in sets of two per sector, and Verizon's telecommunications equipment is housed in the attic of the Gallaudet Building. The Verizon facility was approved by the Council in 1993 under Petition 307 following extensive consultation with the State Historic Preservation Office ("SHPO"). In 2004, the Council approved replacement of the original antennas under EM-VER-155-040708. In cooperation with the Council and SHPO, Verizon has very skillfully camouflaged its antennas so that they are hardly noticeable to the untrained or un-inquisitive eye.

Proposed Modifications

ASD, which serves a hard-of-hearing and deaf student body and faculty, has selected Cingular e-mail and text messaging as an essential means of on-campus communication. The specialized communications needs of ASD have prompted Cingular to propose installation of its own cell site at the school.

While Cingular provides coverage to this portion of West Hartford from surrounding cell sites, in-building signal can be locally weak, especially in topographically low areas of the campus and the deeper recesses of ASD's 16 buildings.

To ensure uninterrupted communications with its hard-of-hearing and deaf students and faculty, and to enhance the overall safety of its population, ASD requested Cingular to eliminate the "dead zones." After evaluating the situation, Cingular has determined that antennas mounted to the Gallaudet Building cupola will be the most effective solution for the entire campus. Service to surrounding areas of West Hartford will be improved as well, and Cingular will pay ASD monthly rental to host its telecommunications facility.

The cupola is octagonal in plan view, and Verizon has mounted its antennas to three of the eight corners to provide 360° coverage. Likewise, Cingular would mount its antennas at three other locations on the cupola in a manner that would replicate the Verizon installation and not detract from the symmetry, balance, and beauty of the structure. ASD is in agreement with this design plan. (See attached ASD letter.) Furthermore, SHPO, after very critically reviewing Cingular's proposal under current historic preservation standards, which are more strenuous than those applied in 1993, has given its approval to Cingular's proposal. (See attached SHPO Decision Letter.) It is noteworthy that SHPO, in keeping with the Americans with Disabilities Act, balanced the special communications needs of ASD against more technical historical preservation standards in deciding to approve Cingular's plan.

As shown on the attached drawings and as further described below, Cingular, like Verizon, proposes to install three vertically-paired sets of antennas to the outside of the Gallaudet Building's cupola. Centerline heights will be 76 and 71 feet above ground level. In each pair, a 6-ft Amphenol BXA-185085/12CF PCS antenna would be mounted directly above a 4-ft Amphenol BXA-80090/4CF cellular antenna. (See attached Building Elevation exhibit and antenna specification sheets.) For uniformity of appearance, these are the same antenna models that Verizon is using at the site, and they will be mounted in the same configuration. The antennas will be painted to match the cupola and Verizon's antennas. Cingular also proposes to enclose a 12 ft x 26 ft equipment area in the building's attic. Coaxial cables will be run in the

ORIGINAL



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

June 16, 2006

EM-CING-155-060616



CONNECTICUT
SITING COUNCIL

Ms. Pam Katz, Chairman, and
Members of the Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RE: Notice of Exempt Modification – Existing Telecommunications Facility at 139 North Main Street, West Hartford, Connecticut.

Dear Chairman Katz and Members of the Council:

New Cingular Wireless PCS, LLC (“Cingular”) intends to install telecommunications antennas and associated equipment at an existing non-tower telecommunications facility at 139 North Main Street, West Hartford, Connecticut. Cingular operates under licenses issued by the Federal Communications Commission (“FCC”) to provide cellular and PCS mobile telephone service in Hartford County, which includes the area to be served by Cingular’s proposed installation.

Verizon Wireless has operated a non-tower cellular facility at the American School for the Deaf since 1993. The Verizon facility was initially approved by the Council and remains under its jurisdiction. Based on the historical jurisdiction of the Council in this specific matter, staff has advised us that the Council would also exercise jurisdiction over Cingular’s proposed modifications to the facility site.

Please accept this letter as notification to the Council, 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 is being sent to the Town Manager of West Hartford.

Existing Facility

The American School for the Deaf (“ASD”), a private, non-profit, 501(c)(3) organization, is situated on a 54-acre campus at 139 North Main Street (CT Rte 173) in West Hartford, approximately ½ mile north of West Hartford Center. A centerpiece of the campus is the historic Gallaudet Building with its classic architecture and picturesque cupola.

Since 1993, the cupola of the Gallaudet Building has supported cellular antennas belonging to

Verizon Wireless. (Coordinates of the cupola are (NAD 83) N 41° 46' 16" and W 72° 44' 50".) Six Verizon antennas are mounted to the outside of the cupola in sets of two per sector, and Verizon's telecommunications equipment is housed in the attic of the Gallaudet Building. The Verizon facility was approved by the Council in 1993 under Petition 307 following extensive consultation with the State Historic Preservation Office ("SHPO"). In 2004, the Council approved replacement of the original antennas under EM-VER-155-040708. In cooperation with the Council and SHPO, Verizon has very skillfully camouflaged its antennas so that they are hardly noticeable to the untrained or un-inquisitive eye.

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While Cingular provides coverage to this portion of West Hartford from surrounding cell sites, in-building signal can be locally weak, especially in topographically low areas of the campus and the deeper recesses of ASD's 16 buildings.

To ensure uninterrupted communications with its hard-of-hearing and deaf students and faculty, and to enhance the overall safety of its population, ASD requested Cingular to eliminate the "dead zones." After evaluating the situation, Cingular has determined that antennas mounted to the Gallaudet Building cupola will be the most effective solution for the entire campus. Service to surrounding areas of West Hartford will be improved as well, and Cingular will pay ASD monthly rental to host its telecommunications facility.

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As shown on the attached drawings and as further described below, Cingular, like Verizon, proposes to install three vertically-paired sets of antennas to the outside of the Gallaudet Building's cupola. Centerline heights will be 76 and 71 feet above ground level. In each pair, a 12-ft Amphenol BXA-185085/12CF PCS antenna would be mounted directly above a 4-ft Amphenol BXA-80090/4CF cellular antenna. (See attached Building Elevation exhibit and antenna specification sheets.) For uniformity of appearance, these are the same antenna models that Verizon is using at the site, and they will be mounted in the same configuration. The antennas will be painted to match the cupola and Verizon's antennas. Cingular also proposes to enclose a 12 ft x 26 ft equipment area in the building's attic. Coaxial cables will be run in the

interior of the attic and cupola.

Attached to this Notice are site location maps, a building profile, photosimulations, and site plans. A structural analysis report for the Gallaudet Building cupola, including Cingular's antennas and equipment, is under preparation and will be submitted prior to Council action on this Notice.

Statutory Considerations

The changes to the West Hartford facility do not constitute a modification as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the existing 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), and they will not result in any substantial adverse environmental effect.

1. The height of the overall "tower" structure will be unaffected.
2. The proposed changes will not affect the site boundaries. All new construction will take place on the cupola already in use by Verizon and in the otherwise vacant attic of the Gallaudet Building.
3. The proposed additions will not increase the noise level at the existing facility by six decibels or more.
4. Operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at ground level beside the Gallaudet Building, to or above the standard adopted by the State of Connecticut and the FCC. The "worst-case" exposure calculation in accordance with FCC OET Bulletin No. 65 (1997) for a point of interest at ground level below the cupola in relation to the operation of the currently proposed antenna array is as follows:

Company	Centerline Height (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density [†] (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Verizon *	76	1900	3	200	0.0374	1.0000	3.74
Verizon *	71	869	9	200	0.1284	0.5793	22.16
Cingular	76	1930 - 1935	3	427	0.0797	1.0000	7.97
Cingular	71	880 - 894	6	296	0.1267	0.5867	21.59
Total							55.46%

* Power density parameters from Siting Council records. (Verizon's previously-reported elevation errors corrected.)

† Please note that the standard power density equation provided by the Council in its memo of January 22, 2001 incorporates a ground reflection factor of 2.56 (i.e., the square of 1.6) as described in FCC OET Bulletin No. 65.

As the table demonstrates, the cumulative "worst-case" exposure would be approximately 55.5 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from Cingular's use of the facility would thus be within applicable standards.

For the foregoing reasons, Cingular respectfully submits that proposed changes at the ASD site in West Hartford constitute an exempt modification under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call the undersigned at (860) 513-7636 or Christopher Fisher, Esq. at (914) 761-1300 with questions concerning this notice. Thank you for your consideration in this matter.

Respectfully yours,

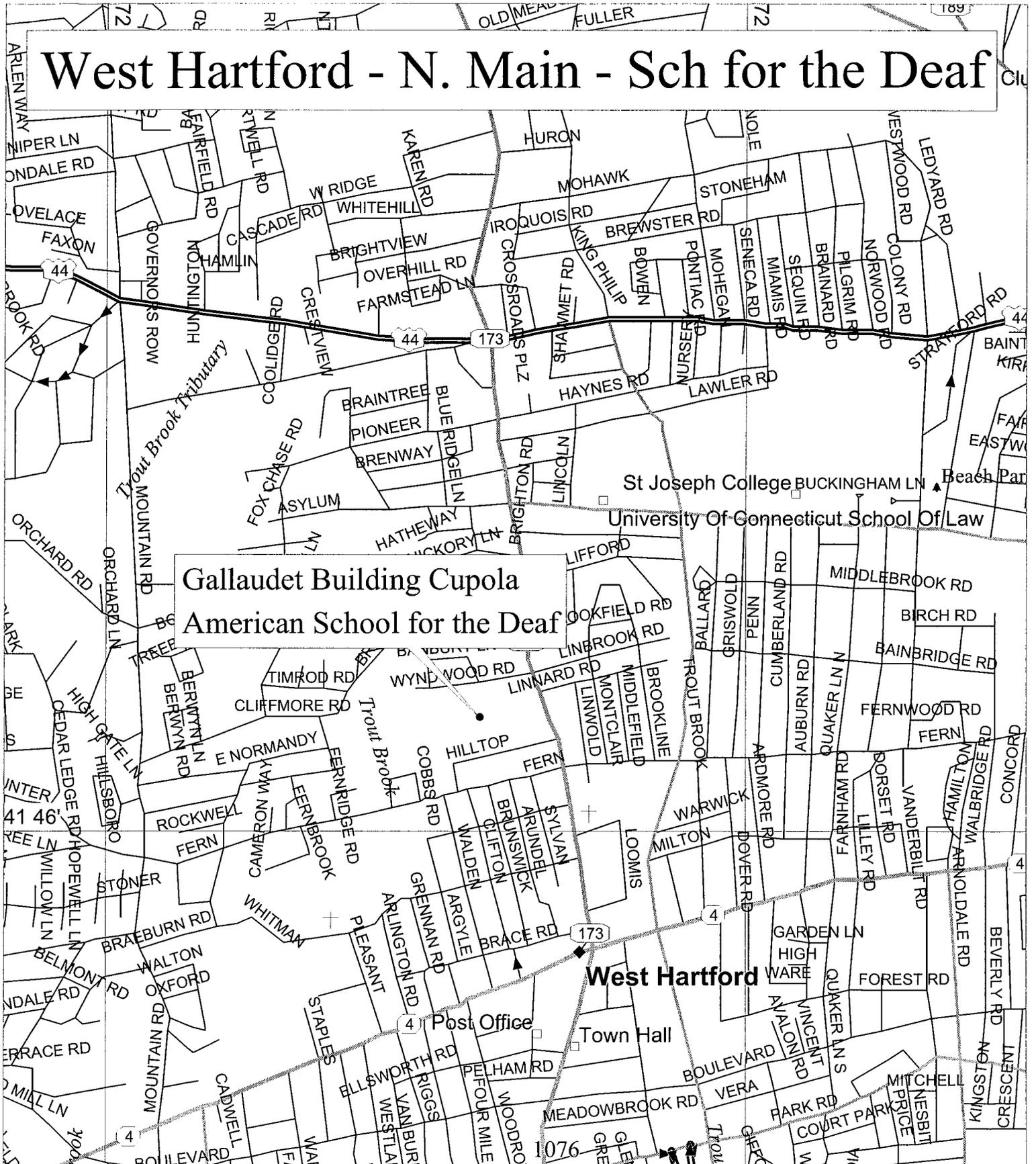


Steven Levine
Real Estate Consultant

Enclosures

cc: Honorable James Francis, Town Manager, Town of West Hartford
Twiggy Girouard, Communications and PC Technical Specialist, ASD
Michele G. Briggs, Manager of Real Estate
Christopher B. Fisher, Esq.

West Hartford - N. Main - Sch for the Deaf



Gallaudet Building Cupola
American School for the Deaf

West Hartford

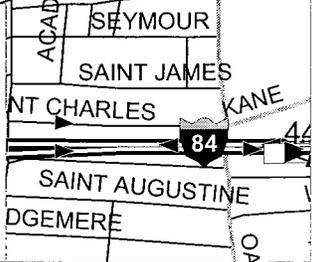
Mag 14.00
Fri Jun 09 10:58 2006

Scale 1:21,875 (at center)

2000 Feet

500 Meters

-  Local Road
-  Exit/Gas
-  US Highway
-  Interstate/Limited Access
-  Major Connector





Connecticut Commission on Culture & Tourism

June 6, 2006

Ms. Rebecca Howell
Ottery Group
1810 August Drive
Silver Spring, Maryland 20902

Subject: Cupola Telecommunications Installation
American School for the Deaf
139 North Main Street
West Hartford, Connecticut
Cingular

Historic Preservation
& Museum Division

59 South Prospect Street
Hartford, Connecticut
06106

(v) 860.566.3005
(f) 860.566.5078

Dear Ms. Howell:

The State Historic Preservation Office is in receipt of the additional information requested for above-referenced project, which involves a property eligible listing on for the National Register Historic District, submitted for review and comment pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations.

This office has determined that the proposed undertaking, due to unusual conditions and needs specific to this property, appears to have no adverse effect on cultural resources with the following conditions:

1. the antennae shall be designed and mounted to be as non-visible as possible,
2. the facility owner (Cingular), at its expense, shall maintain at least 50% of the cupola in good condition and in accordance with the Secretary of the Interior's *Standards for the Treatment of Historic Properties* for as long as it is in use, and
3. if not in use for six consecutive months, the antennae and equipment shall be removed by the telecommunications facility owner. This removal shall occur within 90 days of the end of such six-month period. Upon removal, the property shall be restored by the facility owner to its historically appropriate appearance and materials.

The State Historic Preservation Office appreciates the opportunity to provide this evaluation. Please contact Susan Chandler, Historical Architect, should you have additional questions concerning this matter.

Sincerely,

J. Paul Loether
Division Director and Deputy
State Historic Preservation Officer



FOUNDED IN 1817

AMERICAN SCHOOL FOR THE DEAF

Harvey J. Corson, Ed.D., Executive Director

Twiggy Girouard
Phone: (860) 944-4114
Fax: (860) 570-2277
Twiggy.Girouard@asd-1817.org

April 10, 2006

Ms. Susan Chandler
Connecticut Commission on Culture & Tourism
Historic Preservation & Museum Division
59 South Prospect Street
Hartford, Connecticut 06106

Re: Proposed Location for Cingular Cellular Antennae, American School for the Deaf,
Gallaudet Building Cupola, 139 North Main Street, West Hartford, Connecticut
(Hartford County)

Dear Ms. Chandler:

By this letter, the American School for the Deaf ("ASD") respectfully requests that the State Historic Preservation Office ("SHPO") issue a finding of no adverse effects in connection with its review of the above-referenced project involving the installation of Cingular's cellular antennae on the cupola of the Gallaudet Building on ASD's campus. As detailed more fully below, the installation of Cingular's cellular antennae on the Gallaudet Cupola is necessary to ensure that cellular coverage at ASD is broad and complete, and leaves no "dead spots" inside campus buildings or at other more remote areas of ASD's campus.

ASD serves a hard of hearing and deaf population of students and faculty on a 54 acre campus that includes 16 buildings. Communication between the hearing and deaf population at ASD will be improved by the installation of Cingular's state of the art cellular communications systems that includes e-mail and text messaging capabilities. Access to wireless e-mail and text messaging in remote areas of ASD's campus is especially important for safety since these are often the chosen means of communication between deaf students, faculty, safety personnel and the public. Thus, for the new wireless communications system to be effective, it must be able to penetrate all areas of ASD's campus, including the buildings, basements and low lying areas.

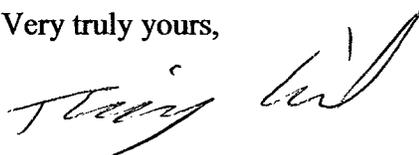
To solve its coverage problems, ASD has been working with Cingular to identify the most effective antennae location. Cingular believes that the best possible location to solve ASD's "dead zones" and to provide the most complete penetration of ASD's campus, is to install its facilities on the cupola of the Gallaudet Building. This location is preferred because of its height, location on campus, high population of students and quantity of dead spots. If approved, Cingular's proposed installation will be performed in a manner that will have the least visible impact to the structure. Like the State Historic Preservation Office, ASD is equally concerned with maintaining the aesthetic appeal of its

Ms. Susan Chandler
April 10, 2006
Page 2

campus. In this regard, ASD is committed to working with Cingular to ensure that the antennae installation is installed in a manner that is appropriately camouflaged from view to the extent possible, without changing the structure or appearance of its building.

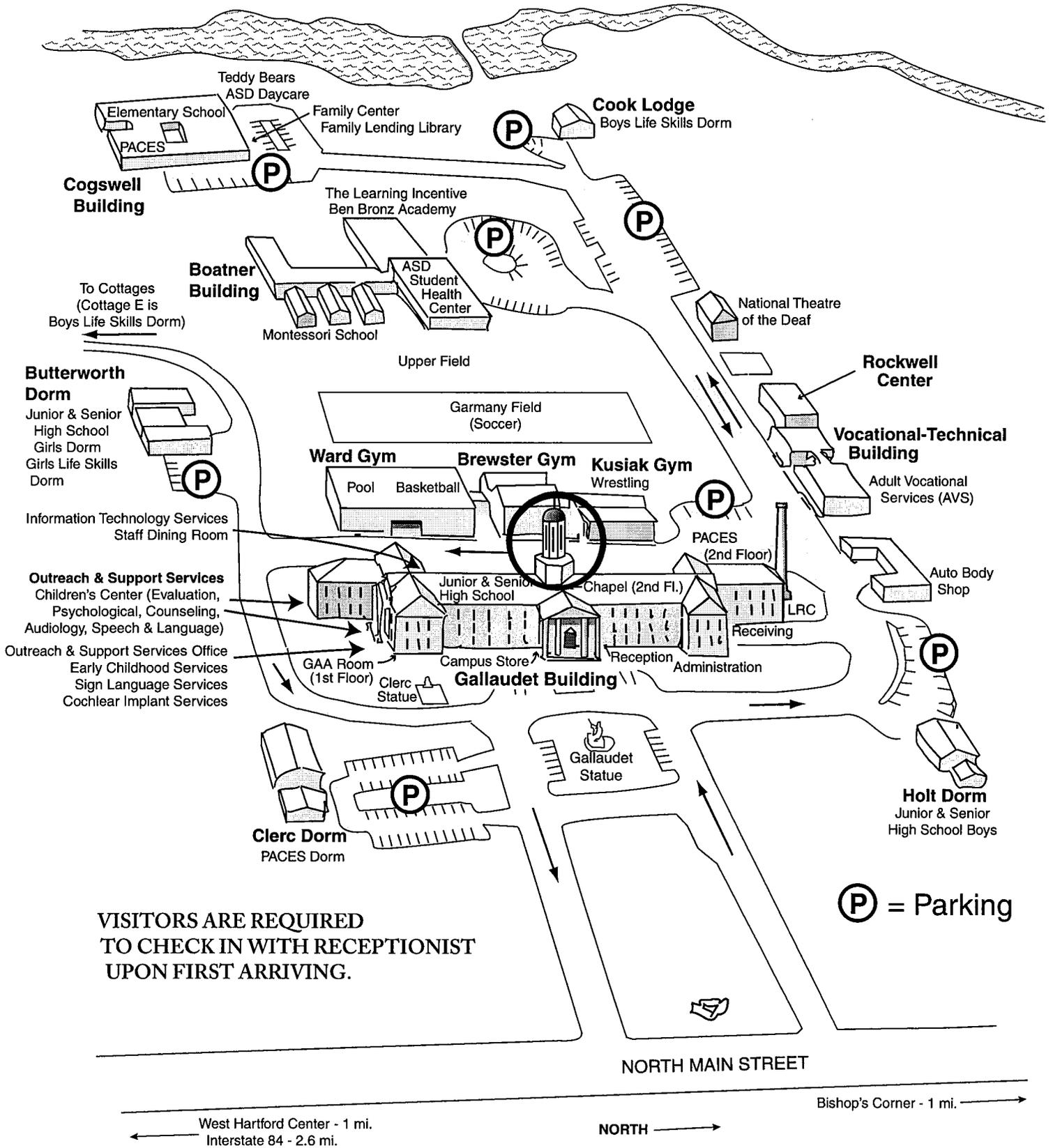
We look forward to your further review of this project and we hope that the State Historic Preservation Office can appreciate the importance of the chosen antennae location to ASD's new communications system. Should you have any further questions, please do not hesitate to contact me at the above-referenced direct-dial number. Thank you for your assistance with this project.

Very truly yours,



Twiggy Girouard
Communications and PC Technical Specialist

Cc: Steven Levine; Cingular
Tom Wood; American School for the Deaf
Shipman & Goodwin LLP



VISITORS ARE REQUIRED TO CHECK IN WITH RECEPTIONIST UPON FIRST ARRIVING.



American School for the Deaf

139 North Main Street, West Hartford, CT 06107

(860) 570-2300 (Voice) • (860) 570-2222 (TTY)

(860) 570-2301 (Fax) • www.asd-1817.org (website)

PROJECT NO.
36921750
Designed by:
Drawn by: WRB
Checked by:
Approved by:

URS CORPORATION
500 ENTERPRISE DRIVE
SUITE 3B
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

cingular
WIRELESS
WIRELESS COMMUNICATIONS FACILITY

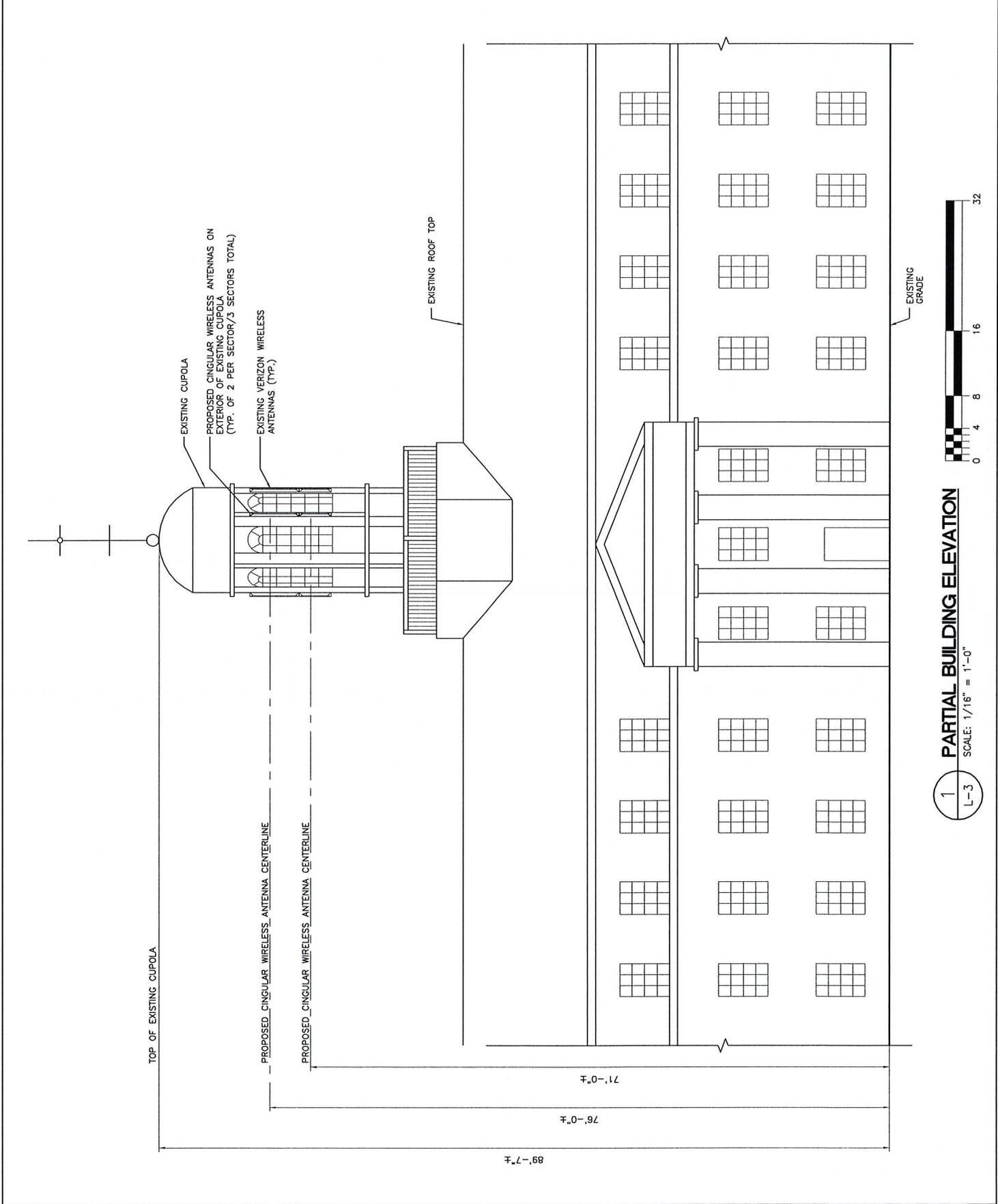
AMERICAN SCHOOL FOR THE DEAF
139 NORTH MAIN STREET
WEST HARTFORD, CONNECTICUT

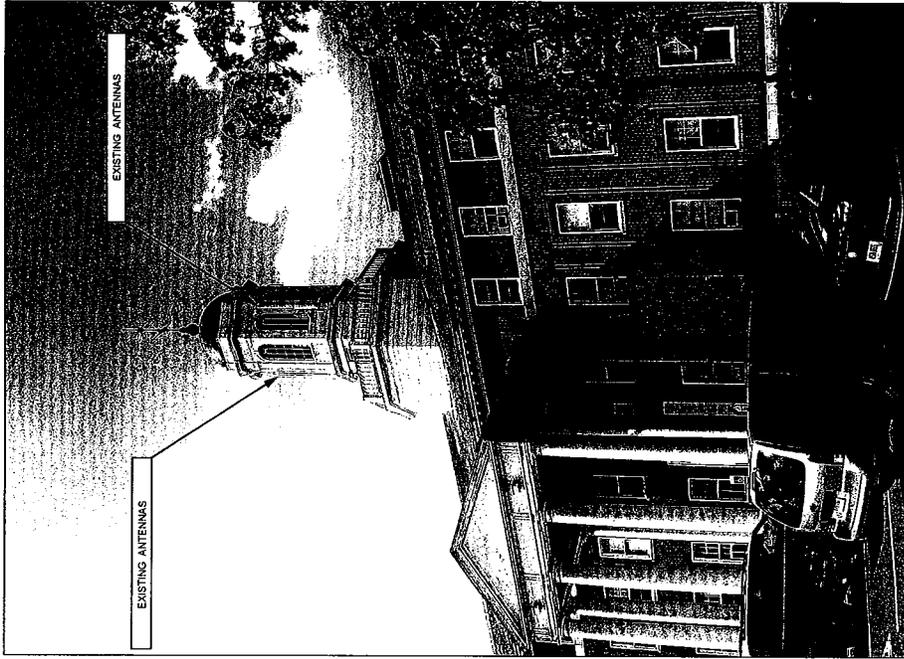
SITE ADDRESS:

REV.	DATE:	DESCRIPTION
Δ	05-01-06	REVISED
Δ	04-18-06	REVISED
Δ	02-09-06	REVISED

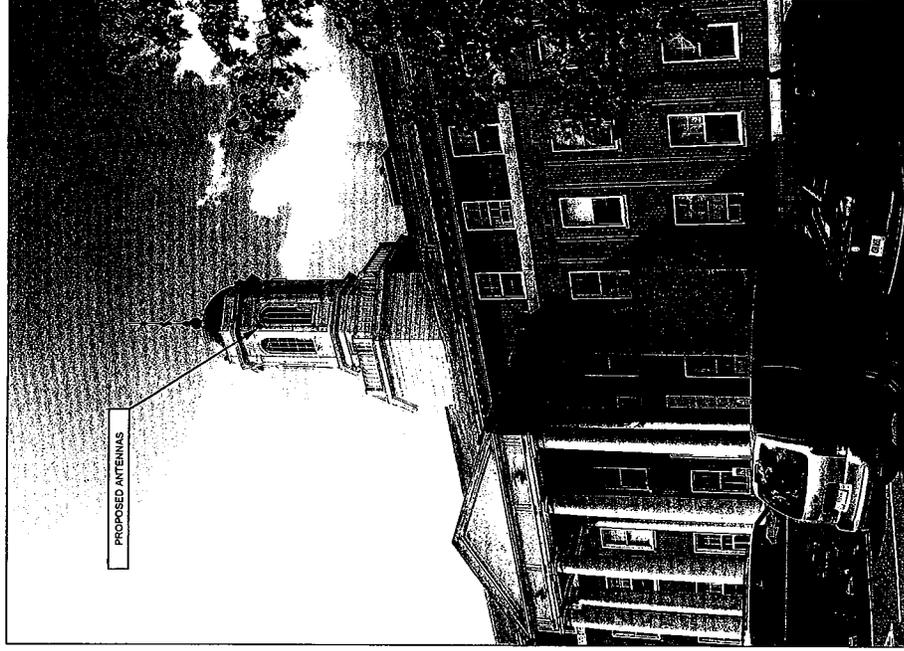
Scale: AS NOTED
Date: 10-03-05

Dwg. No. L-3
Dwg. 3 of 3

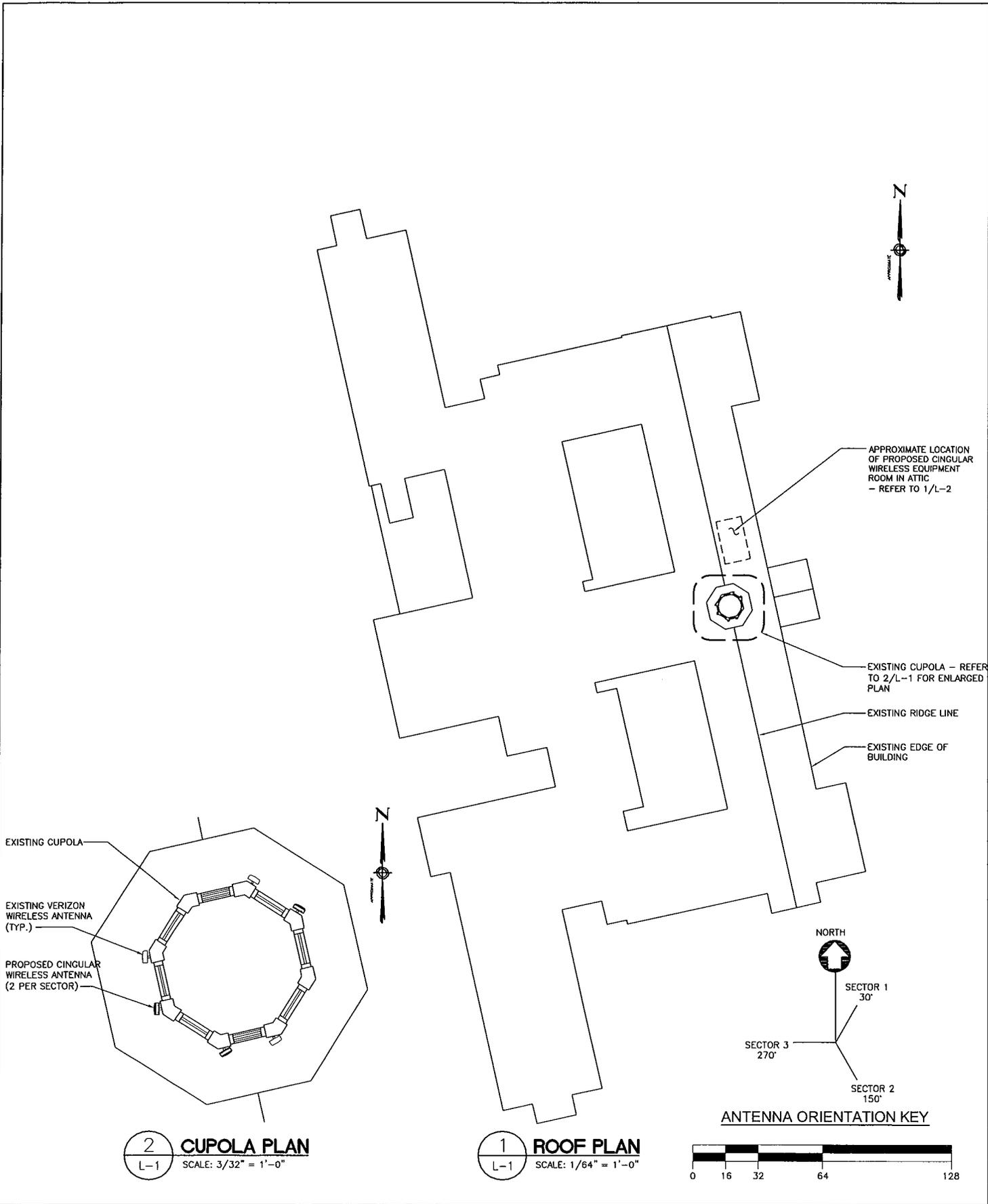




EXISTING VIEW



PHOTOSIMULATION



PROJECT NO.
36921750

Designed by:
WRB

Drawn by:
WRB

Checked by:

Approved by:

URS CORPORATION

500 ENTERPRISE DRIVE
SUITE 3B
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

cingular
WIRELESS

WIRELESS COMMUNICATIONS FACILITY

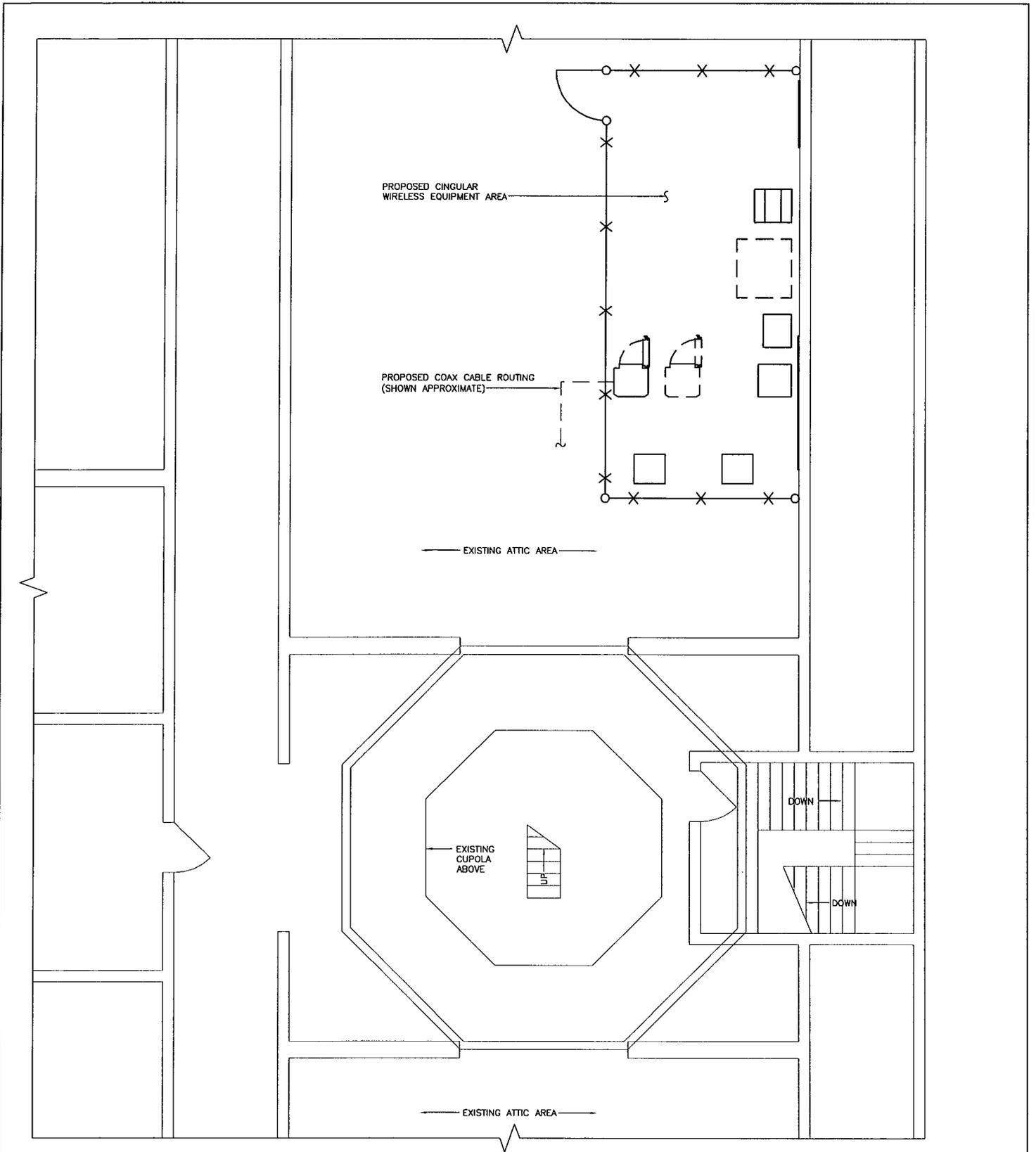
AMERICAN SCHOOL FOR THE DEAF

SITE ADDRESS: 139 NORTH MAIN STREET
WEST HARTFORD, CONNECTICUT

△	05-01-06	REVISED
△	04-18-06	REVISED
△	02-09-06	REVISED
REV.	DATE:	DESCRIPTION
Scale: AS NOTED		Date: 10-03-05
Job No. CW1 05B		File No.

Dwg. No.
L-1

Dwg. 1 of 3



1 PARTIAL ATTIC PLAN
 L-2 SCALE: 1/8" = 1'-0"



PROJECT NO.
36921750
 Designed by:
 Drawn by:
WRB
 Checked by:
 Approved by:

URS CORPORATION
 500 ENTERPRISE DRIVE
 SUITE 3B
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

cingular
 WIRELESS
 WIRELESS COMMUNICATIONS FACILITY
AMERICAN SCHOOL FOR THE DEAF
 SITE ADDRESS: 139 NORTH MAIN STREET
 WEST HARTFORD, CONNECTICUT

▲	05-01-06	REVISED
▲	04-18-06	REVISED
▲	02-09-06	REVISED
REV.	DATE	DESCRIPTION
Scale: AS NOTED		Date: 10-03-05
Job No. CW1 05B		File No.

Dwg. No.
L-2
 Dwg. 2 of 3

Slant +/- 45° Dual Polarized, Panel 90° / 11 dBd

BXA-80090/4CF _____

When ordering, replace "____" with connector type.

Mechanical specifications

Length	1205 mm	47.4 in
Width	205 mm	8.1 in
Depth	145 mm	5.7 in
4) Weight	5.4 kg	12.0 lbs
Wind Area		
Front	0.25 m ²	2.66 ft ²
Side	0.17 m ²	1.88 ft ²
Rated Wind Velocity (Safety factor 2.0)		
	>679 km/hr	>422 mph
Wind load @ 100 mph (161 km/hr)		
Front	362 N	81.4 lbs
Side	264 N	59.4 lbs

Antenna consisting of aluminum alloy with brass feed-lines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Mounting brackets attach to a pipe diameter of Ø50-160 mm (2.0-6.3 in).

Mounting bracket kit #36210002

Downtilt bracket kit #36114003

Electrical specifications

Frequency Range	806-900 MHz*
Impedance	50Ω
3) Connector	NE, E-DIN
1) VSWR	≤1.4:1
Polarization	Slant ± 45°
1) Isolation Between Ports	< -30 dB
1) Gain	11 dBd
2) Power Rating	500 W
1) Half Power Angle	
H-Plane	90°
E-Plane	15°
1) Electrical Downtilt	0°
1) Null Fill	5%
Lightning Protection	Direct Ground

*Also available up to 960 MHz. Consult your sales director for more information.

Patented Dipole Design: U.S. Patent No. 6,608,600 B2

¹⁾ Typical Values

²⁾ Power Rating limited by connector only.

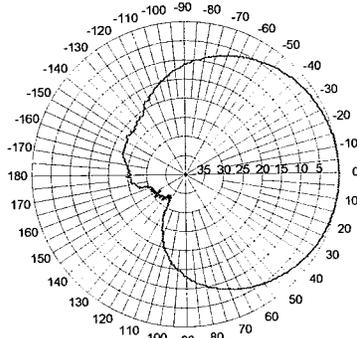
³⁾ NE indicates an elongated N Connector.

E-DIN indicates an elongated DIN Connector.

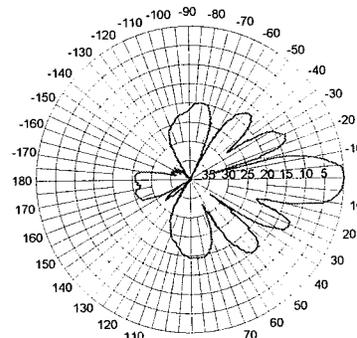
⁴⁾ The antenna weight listed above does not include the bracket weight.

Improvements to mechanical and/or electrical performance of the antenna may be made without notice.

Radiation-pattern¹⁾



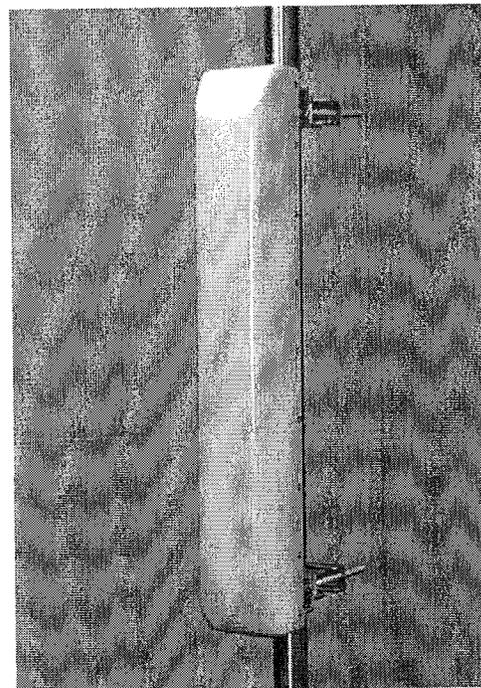
Horizontal



Vertical

Radiation patterns for all antennas are measured with the antenna mounted on a fiberglass pole.

Mounting on a metal pole will typically improve the Front-to-Back Ratio.



Amphenol Antel's Exclusive 3T (True Transmission Line Technology) Antenna Design:

- Watercut brass feedline assembly for consistent performance.
- Unique feedline design eliminates the need for conventional solder joints in the signal path.
- A non-collinear system with access to every radiating element for broad bandwidth and superior performance.
- Air as insulation for virtually no internal signal loss.

Every Amphenol Antel antenna is under a five-year limited warranty for repair or replacement.

Antenna available with center-fed connector only.

CF Denotes a Center-Fed Connector.

806-900 MHz



Revision Date: 6/3/04

Slant +/- 45° Dual Polarized, Panel 85° / 18 dBi

BXA-185085/12CF

When ordering, replace "___" with connector type.

Mechanical specifications

Length	1840 mm	72.44 in
Width	154 mm	6.06 in
Depth	105 mm	4.13 in
⁴⁾ Weight	5.897 kg	13 lbs

Wind Area

Front	0.283 m ²	3.05 ft ²
Side	0.195 m ²	2.1 ft ²

Rated Wind Velocity (Safety factor 2.0)

>237 km/hr >148 mph

Wind load @ 100 mph (161 km/hr)

Front	460 N	103.4 lbs
Side	372 N	83.5 lbs

Antenna consisting of aluminum alloy with brass feed-lines covered by a UV safe fiberglass radome.

Mounting & Downtilting:

Wall mounted or pole tower mount with mounting brackets.

Mounting bracket kit #26799997

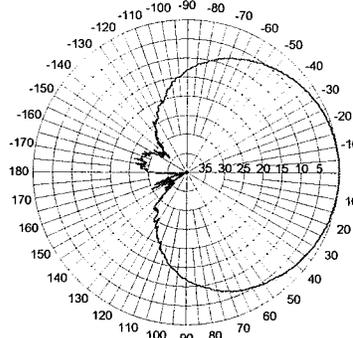
Downtilt bracket kit #26799999

The downtilt bracket kit includes the mounting bracket kit.

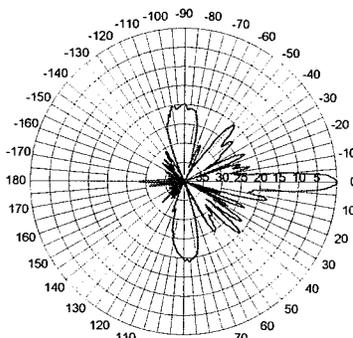
Electrical specifications

Frequency Range	1850-1990 MHz
Impedance	50Ω
³⁾ Connector	NE, E-DIN
¹⁾ VSWR	≤1.4:1
Polarization	Slant ± 45°
¹⁾ Isolation Between Ports	< -30 dB
¹⁾ Gain	18 dBi
²⁾ Power Rating	250 W
¹⁾ Half Power Angle	
H-Plane	85°
E-Plane	5°
¹⁾ Electrical Downtilt	0°
¹⁾ Null Fill	5%
Lightning Protection	Direct Ground

Radiation-pattern¹⁾



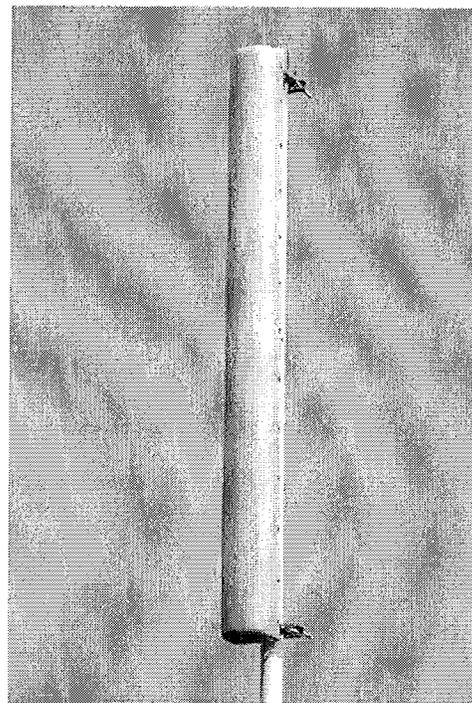
Horizontal



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Antenna available with center-fed connector only.

Patented Dipole Design: U.S. Patent No. 6,597,324 B2

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CF Denotes a Center-Fed Connector.

1850-1990 MHz



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

June 16, 2006

Honorable James Francis
Town Manager, Town of West Hartford
Town Hall, 50 South Main Street
West Hartford, Connecticut 06107

Re: Notice of Exempt Modification – Existing Telecommunications Facility at 139 North Main Street, West Hartford, Connecticut

Dear Mr. Francis:

New Cingular Wireless PCS, LLC (“Cingular”) intends to install telecommunications antennas and associated equipment at an existing non-tower telecommunications facility at 139 North Main Street, West Hartford, Connecticut.

The structure hosting the facility, the Gallaudet Building, is owned and operated by the American School for the Deaf, 139 North Main Street, West Hartford, CT 06107.

A Notice of Exempt Modification has been filed with the Connecticut Siting Council as required by Regulations of Connecticut State Agencies (“R.C.S.A.”) Section 16-50j-73. Please accept this letter as notification to the Town of West Hartford 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 attached letter fully sets forth the Cingular proposal. However, if you have any questions or require any further information on the plans for the site or the Siting Council’s procedures, please contact the undersigned or Mr. Derek Phelps, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

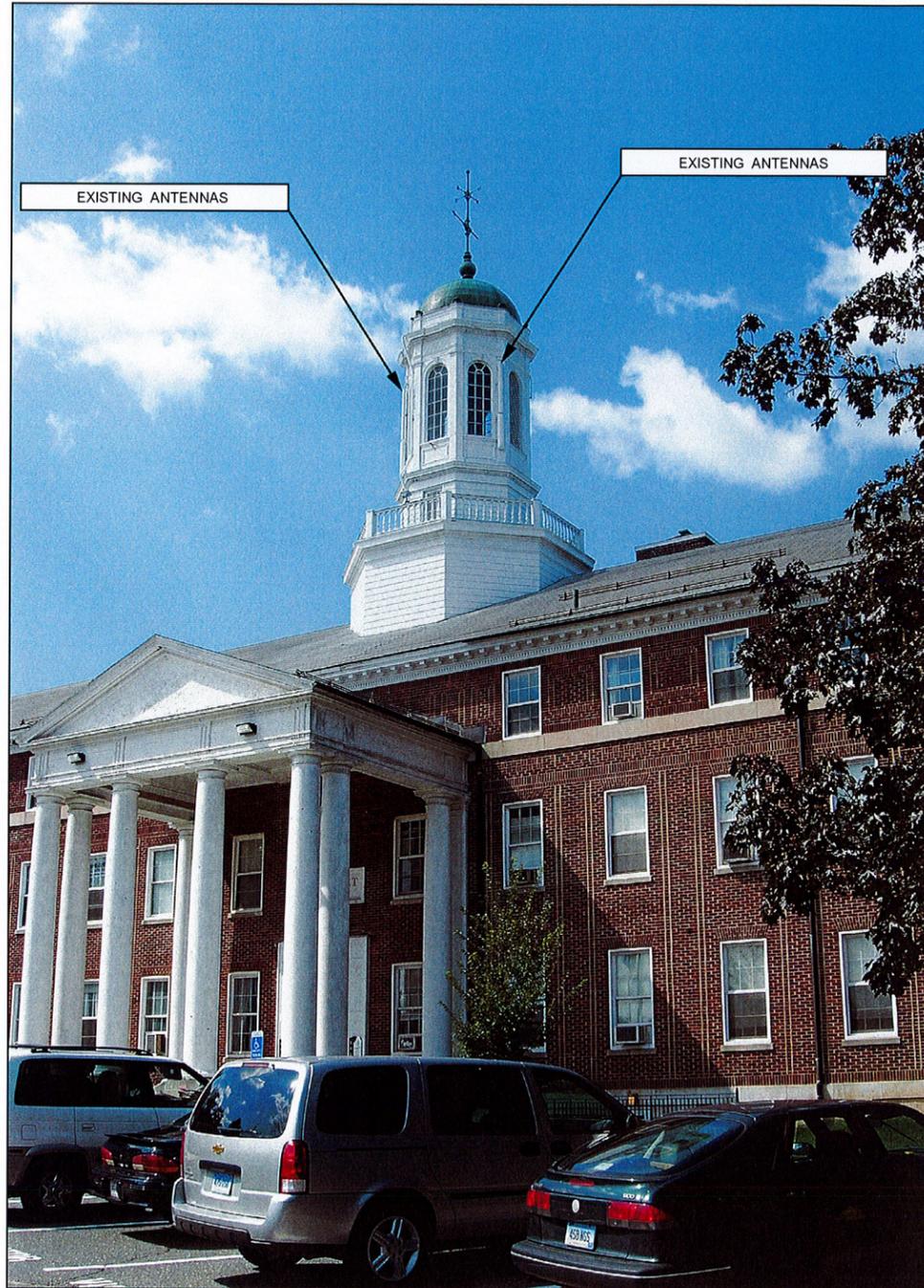
Sincerely,

Steven Levine
Real Estate Consultant

Enclosure

EM-CING-155-060616

ORIGINAL

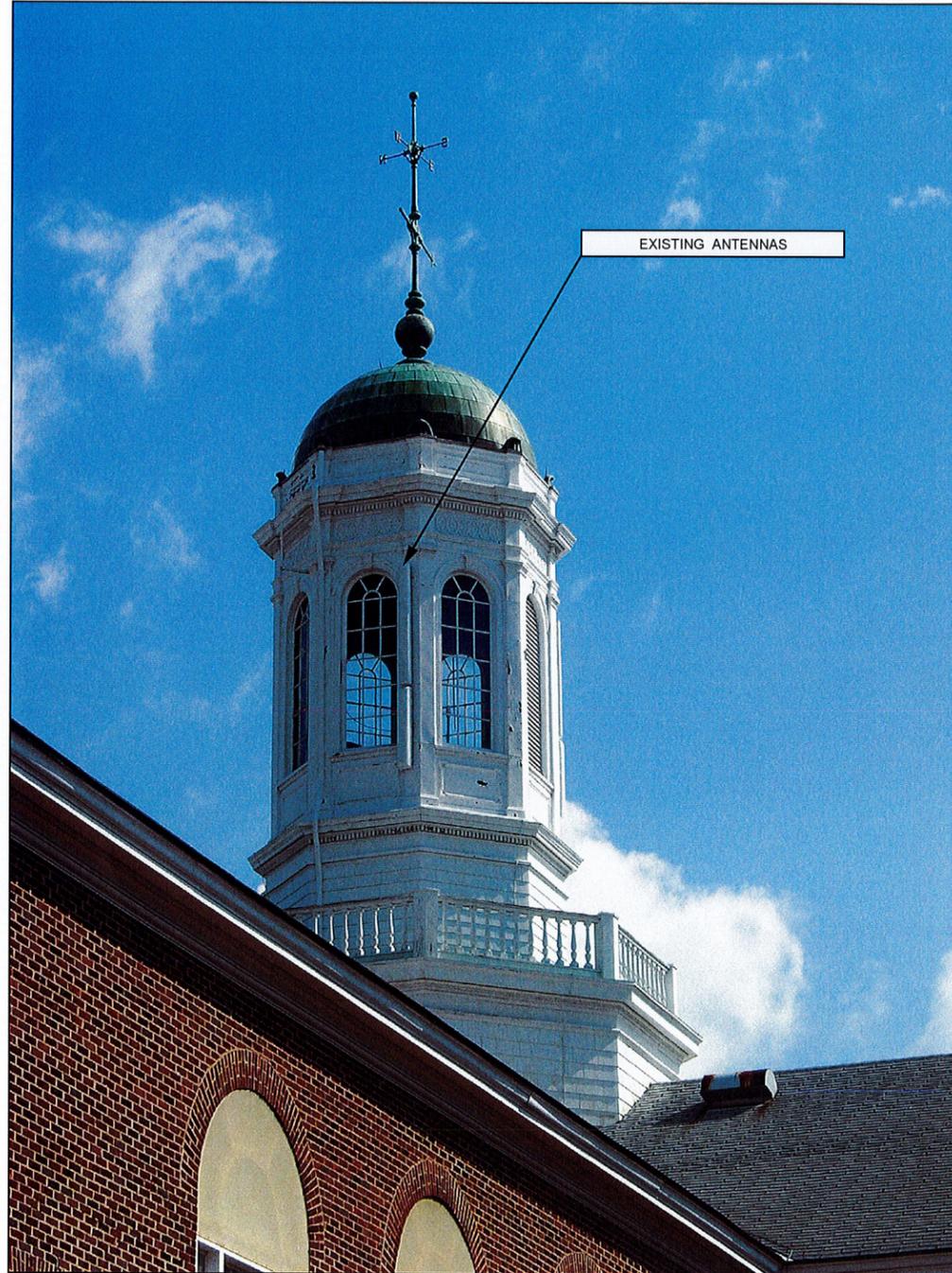


EXISTING VIEW

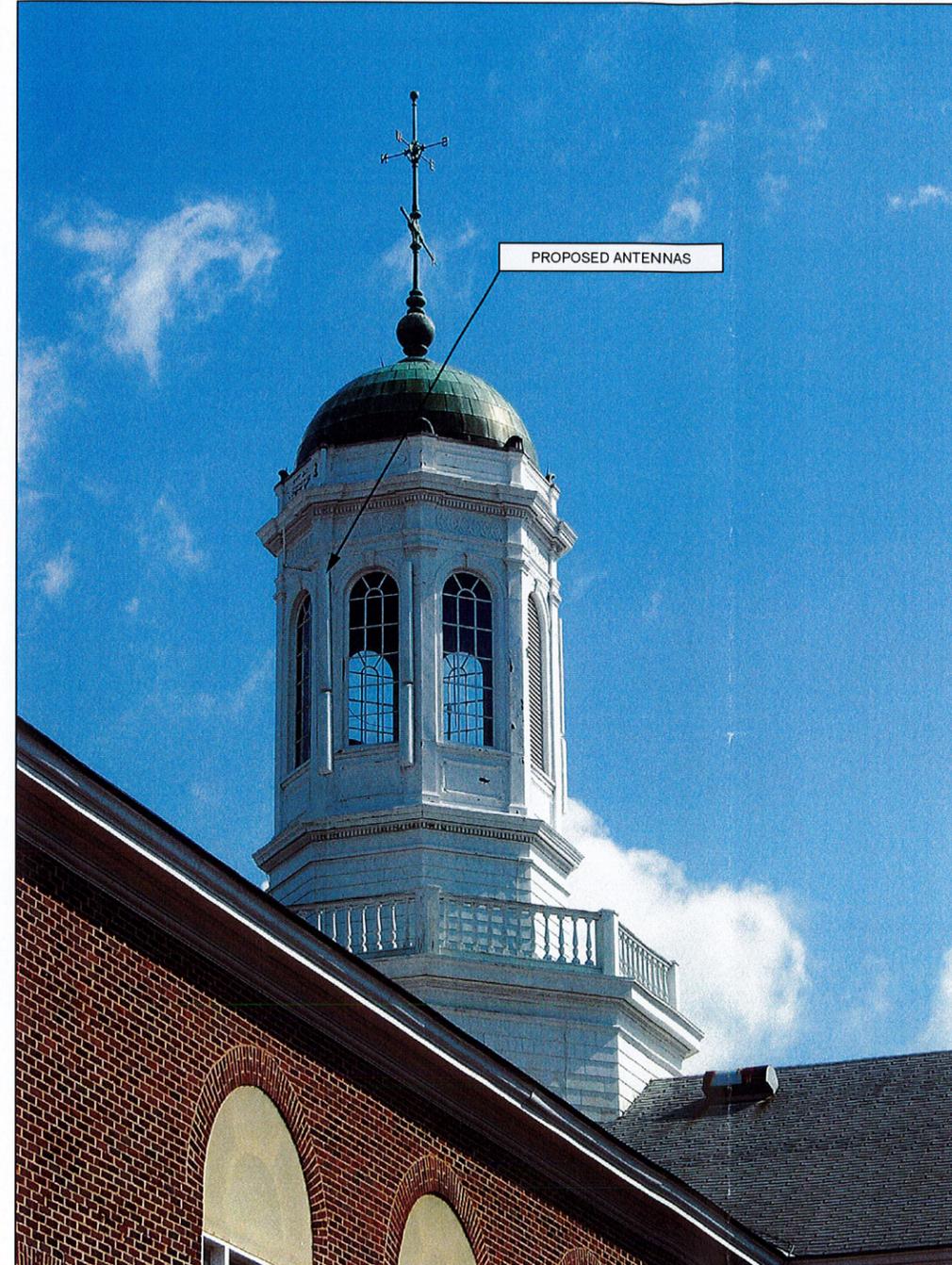


PHOTOSIMULATION

RECEIVED
 JUN 16 2003
 CONNECTICUT
 SITING COUNCIL



EXISTING VIEW



PHOTOSIMULATION