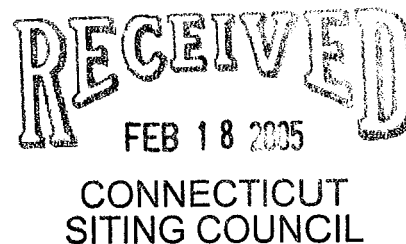


Perrone, Michael

From: Levine, Steven [steven.levine@cingular.com]
Sent: Friday, February 18, 2005 12:30 PM
To: Perrone, Michael
Subject: FW: Tower Design for Siting Council



Mike,

Howdy!

Here are the tower design drawings for the West Johnson Road tower in Cheshire (NU property). It was promised to the Council last summer, and I finally managed to lay hands on it. Thanks.

New Cingular Wireless PCS, LLC

Steve Levine

500 Enterprise Drive, 3rd Fl., Rocky Hill, CT 06067

Real Estate Consultant

Office 860-513-7636

Mobile 203-556-1655

Fax 860-513-7190

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From: Burks, Tim
Sent: Friday, February 18, 2005 12:07 PM
To: Levine, Steven
Cc: Vanwilgen, Peter W.
Subject: Tower Design for Siting Council

Steve,
 Per your request

Tim Burks

Cingular Wireless

500 Enterprise Drive, Suite 3A, Rocky Hill, CT 06067

(860) 513-7218 desk

(860) 513-7190 fax

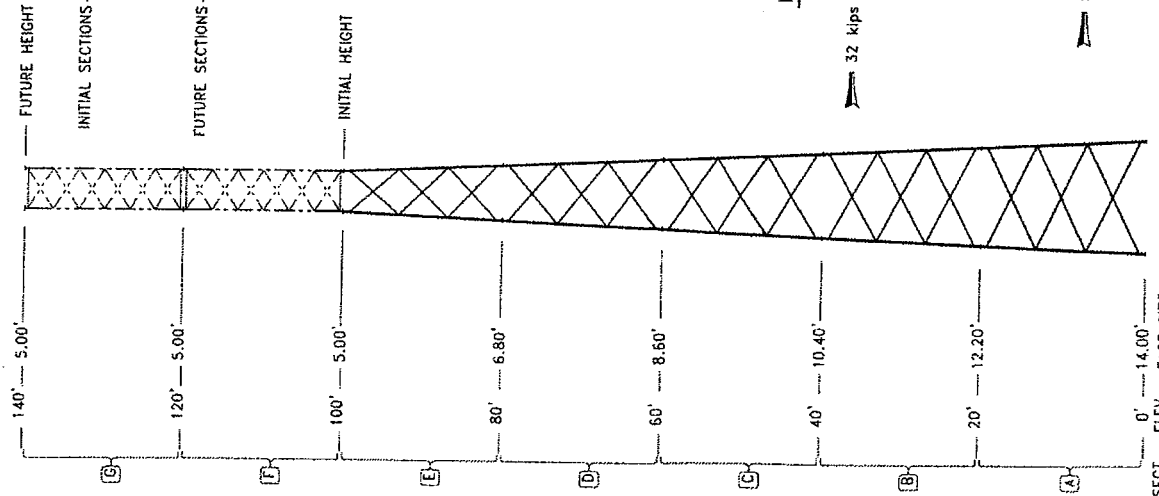
(860) 989-0001 mobile

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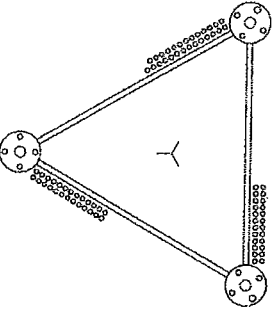
2/18/2005

MEMBER CHART

SECTION	ELEVATION	FACE SIZE	LEGS	GIRTS		SECTION WEIGHT (lbs.)
				DIAGONALS	HORIZONTALS	
A	0' - 20'	14.00' - 12.00'	4-1/2	L 3 x 3 x 3/16	N/A	4850
B	20' - 40'	12.00' - 10.00'	4-1/4	L 2-1/2 x 2-1/2 x 1/4	N/A	4450
C	40' - 60'	10.00' - 8.00'	4	L 2-1/2 x 2-1/2 x 3/16	N/A	3725
D	60' - 80'	8.00' - 6.00'	3-3/4	L 2-1/2 x 2-1/2 x 3/16	N/A	3225
E	80' - 100'	6.00' - 4.00'	3-1/2	L 2 x 2 x 1/4	N/A	2875
F	100' - 120'	4.00'	2-1/2	7/8 S.R.	7/8 S.R.	1725
G	120' - 140'	4.00'	1-3/4	3/4 S.R.	3/4 S.R.	1025



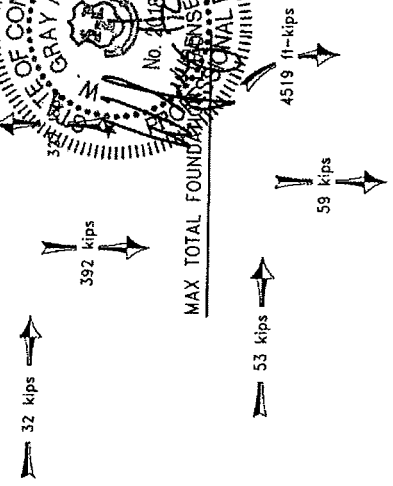
FEEDLINE DISTRIBUTION INFORMATION
 THIS STRUCTURE IS DESIGNED
 ACCORDING TO THE FEEDLINE DISTRIBUTION
 INFORMATION PROVIDED



MAXIMUM ANTENNA LOADING INFORMATION

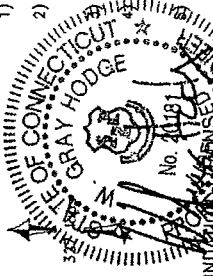
ANTENNA	ELEVATION	LINE
(1) PD1142	⊙ 149.5'	UP TO 1--5/8
(1) DB589	⊙ 144.25'	UP TO 1--5/8
(1) DB586	⊙ 142.2'	UP TO 1--5/8
(12) DB844H90	⊙ 137'	1--5/8
(12) DB844H90	⊙ 127'	1--5/8
(12) DB844H90	⊙ 117'	1--5/8
(12) DB844H90	⊙ 107'	1--5/8
(12) XDU01416-80	⊙ 97'	1--5/8
(12) TMA'S	⊙ 97'	N/A
(12) DB844H90	⊙ 87'	1--5/8
(2) 6" HP DISH	⊙ 77'	1--5/8

MAX INDIVIDUAL LEG LOADS



DESIGN & DRAWING NOTES:

- SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- TOWER STRUCTURE IS DESIGNED IN ACCORDANCE WITH ANSI/EIA-222-F STANDARDS FOR A BASIC WIND SPEED OF 95 MPH WITH 1/2" ICE (CONCURRENT).
 TOWER IS DESIGNED FOR STEP BOLTS AND (TWO ROW) WAVEGUIDE LADDERS.
 ALL LEG & LEG FLANGE PL MATERIAL IS ASTM A-572 GRADE 50 (Fy = 50 ksi).
 ALL OTHER MATERIAL IS ASTM A36 (Fy = 36 ksi).
- SECTIONS A - E ARE 3-BAY X-BRACED
 SECTIONS F - G ARE 6-BAY X-BRACED
- (6) 1-1/4" ⌀ ASTM A449 ANCHOR BOLTS REQUIRED PER LEG.



REV. NO.	DATE	DESCRIPTION	BY	CHECKED
1	10-13-04	REVISED TOWER DESIGN	J.R. DUFFY	A.W.L.

TITLE: CENTRAL TOWER
 PROJECT: NEW HAVEN CO., CT. (CHESHIRE)
 ELEVATION VIEW & MEMBER INFORMATION
 DRAWING NO.: CT2397-1
 SCALE: 1" = 10'-0"

PAD

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#9 GRADE 60	31'	128	3968'

PIER (verts) (Total for 3 Piers)

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#7 GRADE 60	6' - 8"	78	520'

PIER (ties) (Total for 3 Piers)

REBAR SIZE	REBAR LENGTHS	# OF REBAR	TOTAL FT. REQ'D
#4 GRADE 60	42" ϕ	27	297'

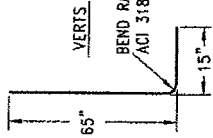
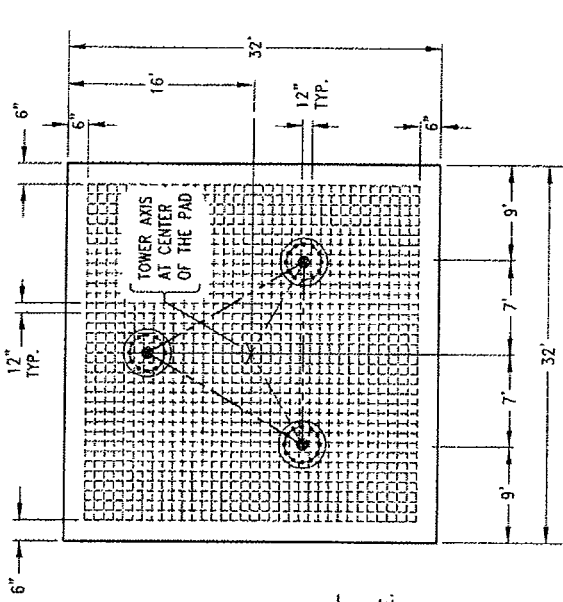
APPROXIMATE CONCRETE REQ'D = 63-1/4 yd³

REBAR SPlicing CHART

BAR SIZE	SPlice LENGTH
3	15"
4	17"
5	21"
6	26"
7	30"
8	36"
9	46"
10	58"
11	71"

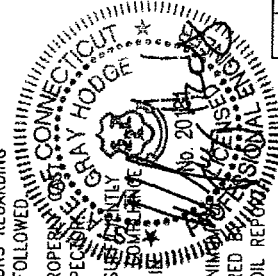
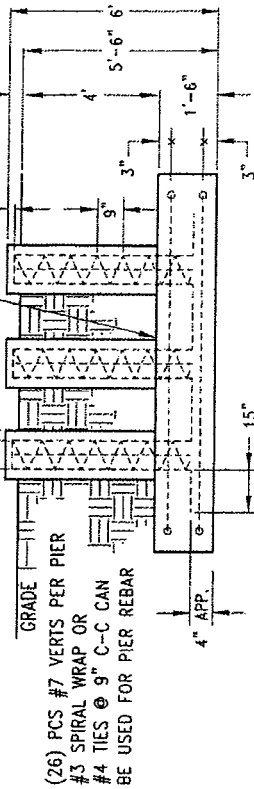
SPlicing NOTES:

- 1) STAGGER ALL SPlicingS.
- 2) SPlicing CHART IS BASED ON 3000 PSI CONCRETE.
- 3) SPlicing REBAR ONLY WHEN NECESSARY.



NOTES:

- 1) ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 301 AND ACI318.
- 2) THIS FOUNDATION IS DESIGNED TO CONFORM ACI 318-99 AND ANSI/EIA-222-F STANDARDS UTILIZING THE SOILS REPORT PREPARED BY DR. CLARENCE WELTI, P.E., P.C., DATED 9-20-04. A COPY SHALL BE PROVIDED TO THE FOUNDATION CONTRACTOR. SOIL CONDITIONS THAT DIFFER FROM THOSE DESCRIBED IN THE REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER/INSPECTOR. ALL COMMENTS OR RECOMMENDATIONS REGARDING CONSTRUCTION TESTING OR CONSTRUCTION MONITORING SHALL BE STRICTLY FOLLOWED WITH COPIES OF THE TEST REPORTS GOING TO THE RESIDENT ENGINEER/INSPECTOR.
- 3) ALL CONCRETE SHALL BE 3000 PSI AT 28 DAYS. CYLINDERS SHALL BE PROPERLY CAST AND CURED. ALL ADMIXTURES MUST BE ADDED SEPARATELY INTO FRESH CONCRETE AND SUBSEQUENTLY MIXED. A NON-CORROSIVE CONCRETE SET ACCELERATE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE C. A WATER REDUCING ADMIXTURE MAY BE UTILIZED IN COMPLIANCE WITH ASTM 494 TYPE A.
- 4) ALL BACKFILL SHALL BE PLACED IN 9 INCH LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698 UNLESS MORE STRINGENT COMPACTION IS REQUIRED BY THE SOIL REPORT.
- 5) MINIMUM CONCRETE COVER SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
- 6) CROWN TOP OF PIER FOR DRAINAGE AND CHAMFER ALL EXPOSED CONCRETE EDGES 1 INCH.
- 7) GROUNDWATER MAY BE ENCOUNTERED. (ON CRUSHED STONE OVER NATURAL SOIL PER SOIL REPORT, FOLLOW STEPS ON SECTION 5.1 OF SOIL REPORT).



CENTRAL TOWER
 1000 CENTRAL TOWER DRIVE
 NEWBURGH, N.Y. 10970
 PH: (812) 853-0595
 FAX: (812) 853-6652

BASE FOUNDATION DESIGN
 NEW HAVEN CO., CT. (CHESHIRE)
 DWG. NO. CT2397-2
 REV. 1

DO NOT SCALE DRAWING

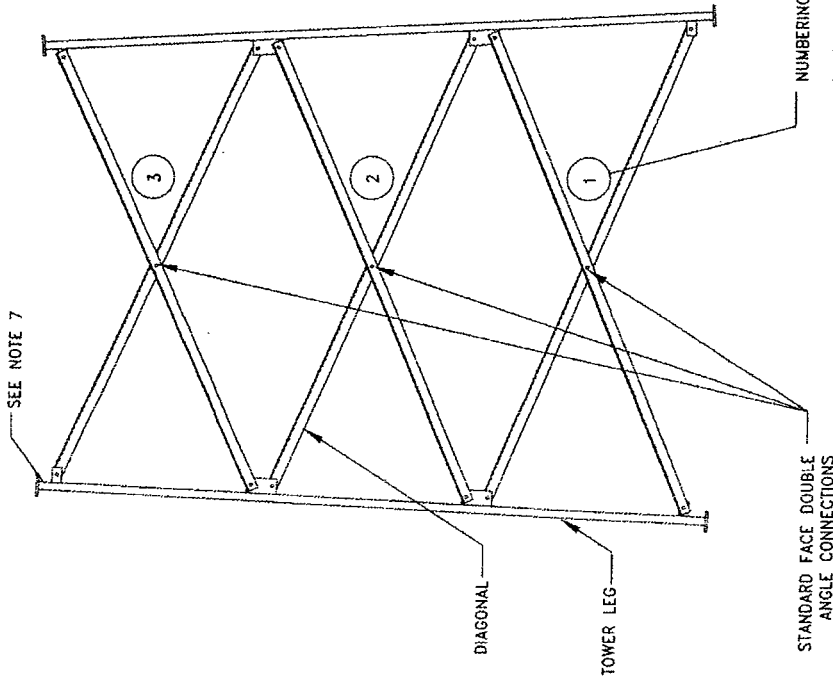
REV. #	DATE	APP.	DRW.	DATE	DESCRIPTION
1	10-12-04	J.J.B.	A.W.L.	10-3-04	REVISED TOWER & FOUNDATION DESIGN

DATE	BY	DESCRIPTION
10-3-04	J.J.B.	DESIGN
10-3-04	A.W.L.	CHECK

DATE	BY	DESCRIPTION
10-3-04	J.J.B.	DESIGN
10-3-04	A.W.L.	CHECK

3-BAY SECTION ASSEMBLY

STANDARD TAPERED FACE

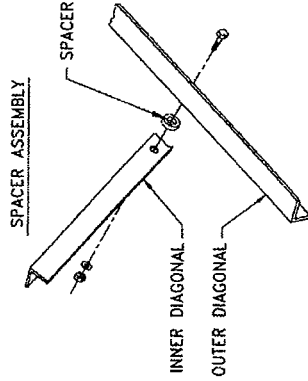
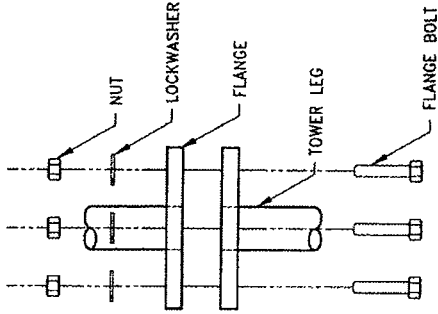


NUMBERING SYSTEM IS PROVIDED FOR INNER MEMBERS TO ENSURE PROPER INSTALLATION : (JOB NO. - C - 1)

JOB NO.

SECTION LOCATION

FLANGE CONNECTION DETAIL



NOTES:

- 1) ALL LADDER FACES OR CLIMBING LEGS ON ALL SECTIONS MUST BE ALIGNED TOGETHER.
- 2) SOME DETAIL HAS BEEN OMITTED FOR CLARITY OF ILLUSTRATION.
- 3) SEE SHIPMENT LIST FOR BOLT SIZES & LOCATIONS.
- 4) ALL INNER MEMBER CONNECTIONS ARE SINGLE ANGLE CONNECTIONS UNLESS NOTED OTHERWISE.
- 5) DIAGONAL INSTALL INSTRUCTIONS. INSIDE DIAGONALS TO BE INSTALLED FIRST. OUTSIDE DIAGONALS TO BE INSTALLED SECOND. BOLTS ARE TO BE INSTALLED FROM THE INSIDE OF THE TOWER SO THAT THE THREADS ARE PROTRUDING TOWARDS THE OUTSIDE OF THE TOWER FACE.
- 6) IN CASE OF CLEARANCE PROBLEMS THE DIRECTION OF BOLT CAN BE CHANGED FROM (INSIDE TO OUT) TO (OUTSIDE TO IN).
- 7) SECTION LABELING SYSTEM IS TO BE USED FOR PROPER IDENTIFICATION OF ALL SECTIONS AND TO ENSURE PROPER INSTALLATION. LEG MEMBERS WILL BE STAMPED WITH APPROPRIATE SECTION LETTER AT TOP OF LEG.

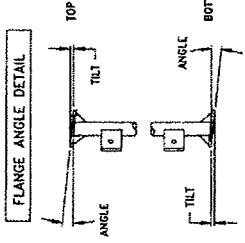
PH# (812) 853-0595
 FAX# (812) 853-6652
 2855 HIGHWAY 261
 NEWBURGH, IN. 47130

TITLE: 3-BAY-T-X INSTALLATION DRAWING
 DWG NO.: 3-BAY-T-IND
 REV: 0

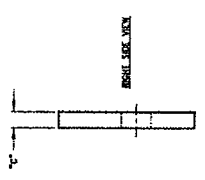
REV. #	DESCRIPTION	DATE	APPROVAL	DATE
		5-27-97		

DATE	TIME	BY	DATE	TIME	BY

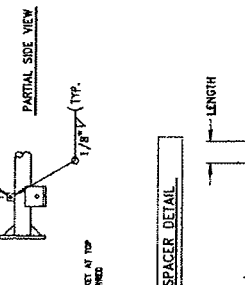
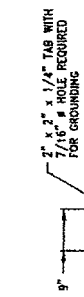
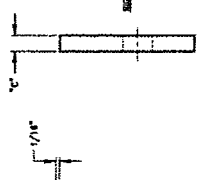
TOLERANCES	UNLESS OTHERWISE SPECIFIED
ANGLES	± 0.005"
AXES	± 0.005"
ORBITAL HOLES	± 0.005"
AXES	± 0.005"
ORBITAL HOLES	± 0.005"
AXES	± 0.005"



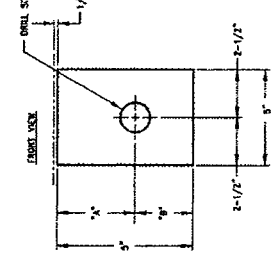
TOP/BOTTOM LEG PLATE DETAIL S



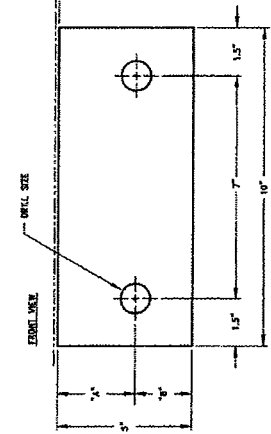
MIDDLE LEG PLATE DETAIL D



SPACER DETAIL

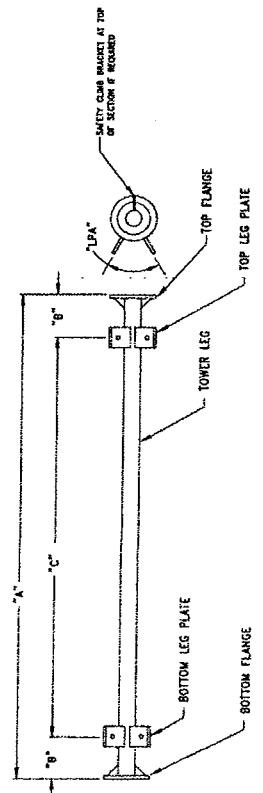
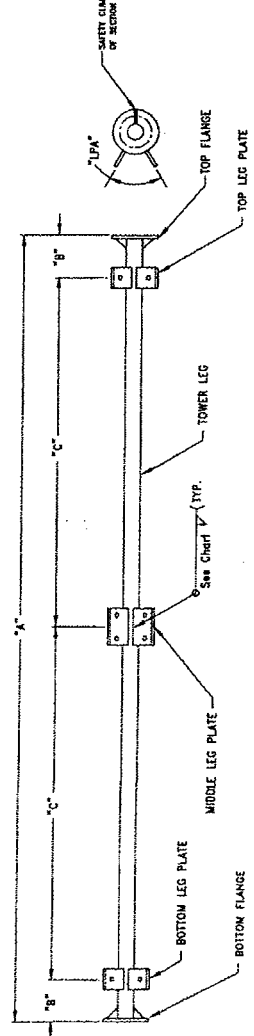
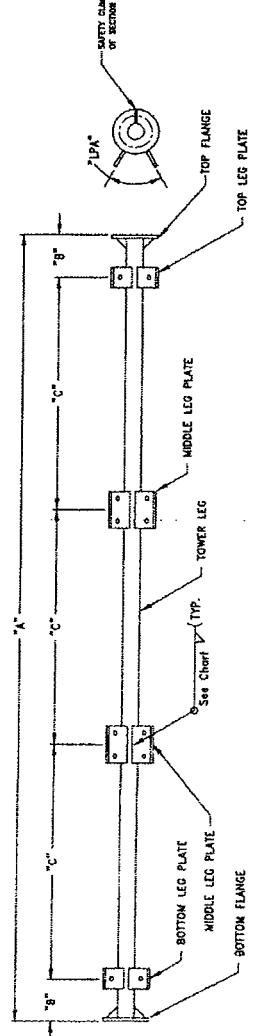
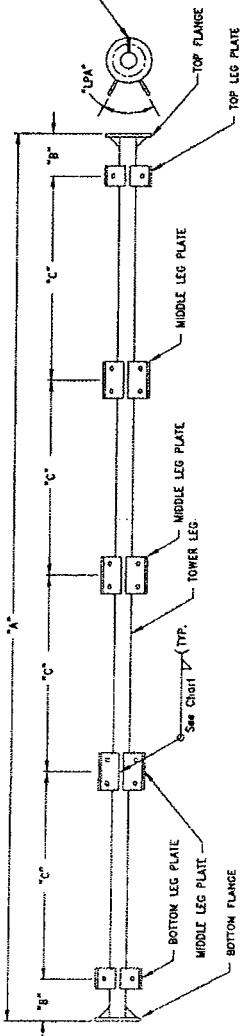


NOTE: EDGE OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.



NOTE: EDGE OF TOWER LEG IS REPRESENTED BY PHANTOM LINE.

LEG DETAIL



CENTRAL TOWER
WELDING COMPANY

PH# (612) 853-0595
FAX# (612) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47650

REV 0

XB 1-4 BAY SR

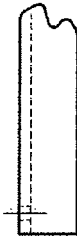
REV. #	DESCRIPTION	DATE	APP.	DESIGN	DATE	CHK.	DATE	APPROVAL
					6-14-01			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

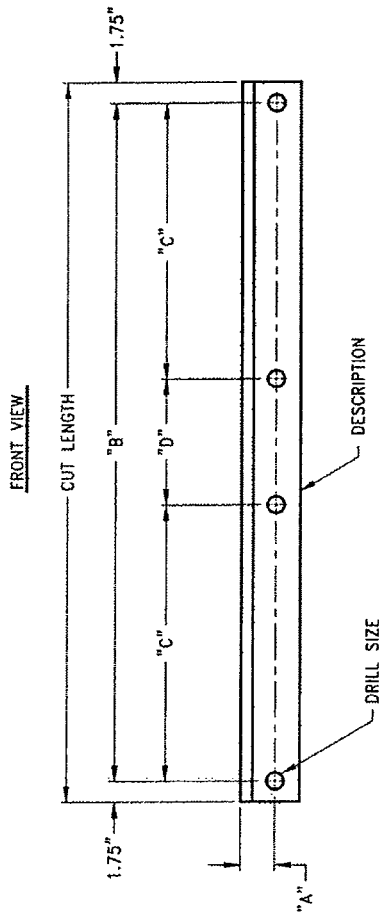
PERMITS: 3/28" ANGLE & Z
3/8" 3/32" DRILLED HOLES #1/32"
3/16" 1/16" NUMBER MATCH #1/16"

COMPANY CONFIDENTIAL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS NOT TO BE DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF THE COMPANY.

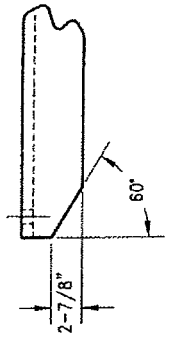
PARTIAL TOP VIEW



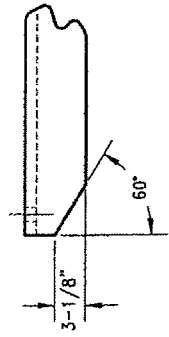
DIAGONAL DETAIL



COPE DETAIL
3-1/2" & 4" ANGLE



COPE DETAIL
5" ANGLE



PH# (812) 853-0595
FAX# (812) 853-6652
2855 HIGHWAY 261
NEWBURGH, IN. 47630

CENTRAL TOWER
TOWERING CONTRACTOR

DIAGONAL MEMBER DETAILS FOR SECTION

REV. 0

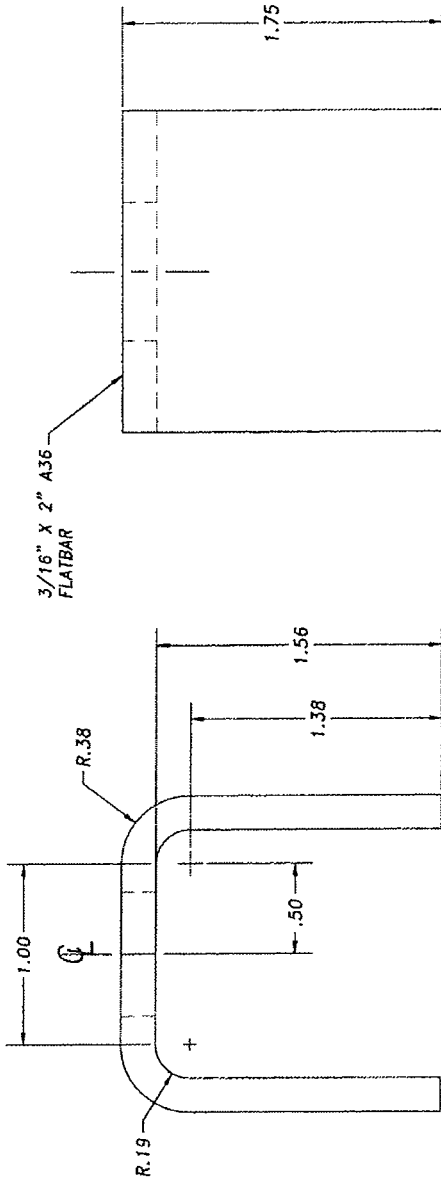
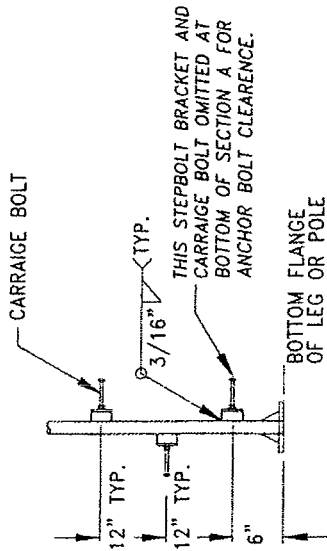
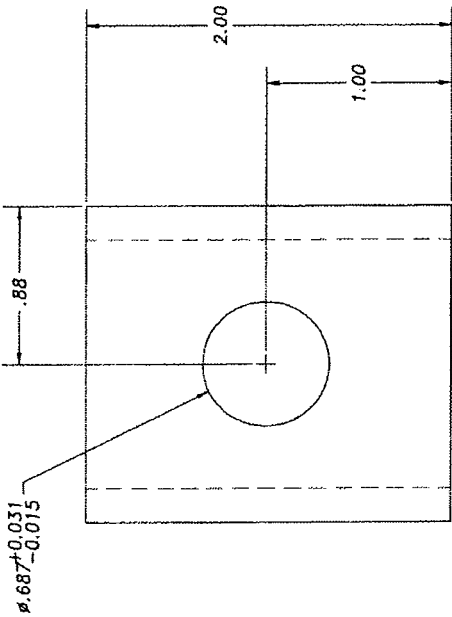
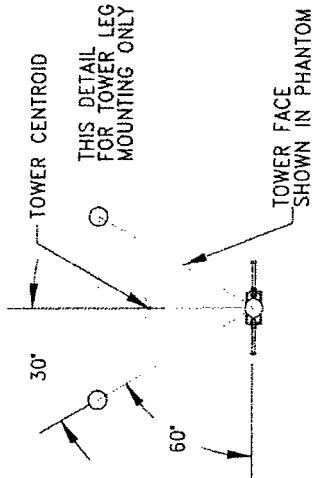
X-DIAGONAL

REV. #	DESCRIPTION	DATE	BY	CHKD.	DATE	BY	CHKD.
1	REVISED 5" ANGLE COPE DETAIL	7-16-01	J.J.B.	W.E.C.	1-10-01		

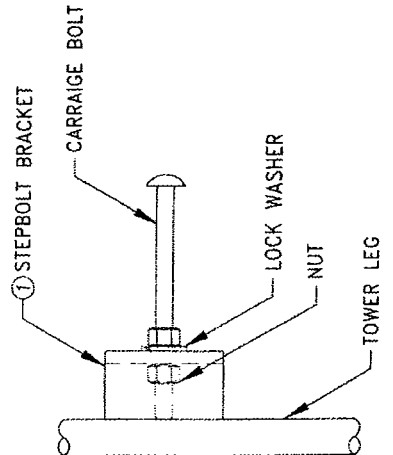
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES
 .XX .3/32" ANGLES F
 .XX .3/32" DRILLED HOLES #1/32"
 .XX .1/16" BURNED HOLES #1/16"
 .XX .0001"

COMPANY CONSTRUCTION INFORMATION
 CONTAINED HEREIN IS CONFIDENTIAL
 AND IS NOT TO BE RELEASED OR REPRODUCED
 WITHOUT THE WRITTEN PERMISSION OF
 THE COMPANY



CARRIAGE BOLT ASSEMBLY



PH# (612) 853-0885
 FAX# (612) 853-6652
 2555 HIGHWAY 263
 NEWBURGH, IN. 47630

CENTRAL TOWER
 A WALTER COMPANY

CARRIAGE BOLT ASSEMBLY
 (TOWER LEG)

DWG NO. LA97M
 REV B

REV. #	DESCRIPTION	DATE	APP.	DESIGN	DATE	DATE	DATE
				A.L.H.	10-15-03		
				SKETCH			
				APPROVAL			

TOLERANCES
 .125 3/32" ANGLES ±
 .004 3/32" DRILLED HOLES #1/32"
 .004 1/16" BURNED HOLES #1/16"

COMPANY ENGINEERING INFORMATION
 CONTAINED HEREIN IS CONFIDENTIAL
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 THE WRITTEN PERMISSION OF
 THE COMPANY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES



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

Web Site: www.ct.gov/csc

August 13, 2004

Michele G. Briggs
Manager of Real Estate
Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-025-040720** – Southwestern Bell Mobile Systems, LLC notice of intent to replace an existing telecommunications facility located at 705 West Johnson Road, Cheshire, Connecticut.

Dear Ms. Briggs:

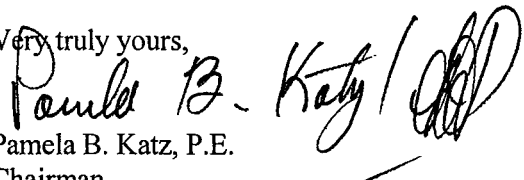
At a public meeting held on August 12, 2004, the Connecticut Siting Council (Council) acknowledged your notice to replace this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the condition that the final structural design drawings are provided to the Council prior to the commencement of construction.

The proposed modifications are to be implemented as specified here and in your notice dated July 20, 2004, 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. 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/cm

c: Honorable Thomas Stretton, Council Chairman, Town of Cheshire
Richard A. Pfurr, Town Planner, Town of Cheshire



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

Web Site: www.ct.gov/csc

July 26, 2004

Honorable Thomas Stretton
Council Chairman
Town of Cheshire
84 South Main Street
Cheshire, CT 06410

RE: **EM-CING-025-040720** – Southwestern Bell Mobile Systems, LLC notice of intent to replace an existing telecommunications facility located at 705 West Johnson Road, Cheshire, Connecticut.

Dear Mr. Stretton:

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

The Council will consider this item at the next meeting scheduled for August 12, 2004 at 1:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/cm

Enclosure: Notice of Intent

c: Richard A. Pfurr, Town Planner, Town of Cheshire

EM-CING-025-040720
705 W. Johnson Rd.
Cheshire 8/10/04





Southwestern Bell Mobile
Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

RECEIVED
JUL 20 2004

**CONNECTICUT
SITING COUNCIL**

July 20, 2004

Ms. Pam Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

**Re: Notice of Exempt Modification – Telecommunications Tower Replacement at
705 West Johnson Road, Cheshire, Connecticut**

Dear Chairman Katz:

On June 9, 2004 the Connecticut Siting Council (“Council”) voted to deny Petition 674 filed by Southwestern Bell Mobile Systems, LLC (“SBMS”) on behalf of itself and The Connecticut Light & Power Company (“CL&P”). Petition 674 sought a determination that no Certificate of Environmental Compatibility and Public Need (“Certificate”) is required under the provisions of §16-50k of the Connecticut General Statutes (“C.G.S.”) for replacement of an existing wireless telecommunications facility at 705 West Johnson Road in Cheshire, Connecticut. Grounds for denial were stated to be excessive distance between the existing tower and the proposed replacement tower, which was on the order of 630 feet.

Since the June 9 Council meeting, SBMS has consulted with CL&P and Council staff, and we have developed a revised plan which is presented here as a Notice of Exempt Modification. The revised plan reduces the distance between the existing and replacement towers to just under 100 feet, while continuing to meet CL&P’s concerns over plant security and Homeland Security.

An exempt modification is deemed appropriate because the project now satisfies the requirements for exempt tower replacement under Regulations of Connecticut State Agencies (“RCSA”) §16-50j-72(b)(3). The salient change to the proposal enabling an exempt modification is reduction of the distance between the existing and proposed towers from approximately 630 feet to just under 100 feet, which is within the “fall radius” of the existing tower.

Attached to this Notice are a site location map, the proposed site plan, and the proposed replacement tower profile. Structural design drawings for the replacement lattice tower will be submitted to the Council prior to the start of tower construction.

Under this proposal, Connecticut Light & Power Company ("CL&P") plans to relocate and replace an existing 100-foot (106 feet including existing antennas) self-supporting lattice tower on property it leases in Cheshire from Interet Realty Corporation. It also intends to provide for shared use of the replacement tower by Cingular at the present time, and possibly by other commercial telecommunications carriers in the future.

CL&P's West Johnson Road complex consists of approximately 20 acres zoned industrial (I-2 zone) near the junction of Interstate Highways 84 and 691. The complex contains offices, warehouses, workshops, and parking areas for emergency vehicles. Equipment, such as electrical transformers, wires, and power poles, is also stored on the property in the event of power outages and other emergencies. The existing tower, which was approved by local zoning authorities in 1977 and constructed soon after, is currently in use by CL&P for the company's dispatch and emergency wireless communications. The total height of the structure is 106 feet due to the presence of whip antennas atop the tower. The existing lattice structure will be dismantled and removed once the replacement tower is operational.

Southwestern Bell Mobile Systems, LLC as the Applicant

SBMS, the local affiliate of the nationwide Cingular Wireless network, is the "B Side" carrier license holder for the 850-894 MHz frequencies in the New Haven Connecticut Metropolitan Statistical Area, which includes the area to be served by SBMS' proposed installation at the replacement tower facility in Cheshire. In addition, SBMS holds the FCC license for the 1930-1935 MHz frequency range in all of Connecticut except Fairfield County. The public need for cellular service has been predetermined by the FCC.

SBMS' specific need for a cell site at the West Johnson Road location was demonstrated by the propagation maps submitted with Petition 674, which we incorporate herein by reference. A cell site here would transform somewhat ragged coverage surrounding the intersection of I-84 and I-691 into a solid footprint of high-quality mobile phone service for approximately 1 ½ mile in any direction.

Because SBMS would co-locate on the replacement tower, it has agreed to act as CL&P's agent for the limited purpose of filing and supporting this Notice. CL&P has authorized the SBMS plans herein pursuant to mutually acceptable terms and conditions and has also authorized SBMS to obtain all necessary government approvals, including the approval sought under this Notice. CL&P, however, will continue to own and manage the tower, as well as use the tower to support its own communications antennas.

Description of the Project

As shown on the attached drawings and as further described below, CL&P plans to

replace the existing 100 foot self-supporting lattice tower (106 feet with whips) with a stronger self-supporting lattice tower of *equal* overall height approximately 98 feet southeast of the current location. A chain-link fenced, incorporating the existing fence along two sides and enclosing approximately 4,500 square feet, will surround a trapezoid-shaped compound the tower base. Equipment buildings are currently proposed for the use of SBMS (12 ft x 20 ft) and CL&P (12 ft x 16 ft), and there will be sufficient groundspace for at least 4 additional carriers.

CL&P will relocate existing whip antennas from the old tower to the replacement tower, and will move an existing rooftop microwave dish to the replacement tower as well. CL&P also contemplates mounting an additional whip on the tower at some future date. SBMS proposes to install up to twelve CSS XDUO 1416-80 panel antennas, approximately 50 inches in height, with the center of radiation approximately 98 feet above ground level. Associated equipment to be installed on the tower are up to twelve ADC Co. dual-band tower top amplifiers ("TTA's"; small metal boxes approximately 26 pounds apiece) immediately behind the antennas. SBMS also proposes to place a 12' x 20' prefabricated concrete equipment building near the base of the tower. A GPS antenna will be mounted on the equipment building or on the SBMS ice bridge. SBMS' GSM configuration will broadcast up to:

- ◆ 2 channels, 296 Watts ERP, 880 – 894 MHz; and
- ◆ 2 channels, 427 Watts ERP, 1930 – 1935 MHz.

Replacement and Relocation of the Tower

Structural analysis has demonstrated that the *existing* lattice tower is inadequate to support the combined load of CL&P's microwave dish, its whip antennas, and Cingular's antenna equipment. In addition, CL&P foresees the possibility of further shared use of its tower, and additional co-locations would only exacerbate the overload condition.

Therefore, a stronger tower is necessary to accommodate the planned shared use, even if by Cingular alone. In the opinion of Doug Roberts, an architect and engineer for URS Corporation, the existing tower is impracticable to reinforce, and constructing a replacement tower, rather than strengthening the existing tower, is in order.

While this Notice contemplates only a 100-foot tower (106 feet with CL&P's whip antennas), the replacement tower's foundation and structural members are being designed to accept another 40 feet of tower sections at some future date. If deemed appropriate, increasing the tower to a maximum height of 140 feet would accommodate four additional users. Any future height increase would be subject to Council approval.

The existing CL&P lattice tower is located at coordinates N41-33-21.7 and W72-55-02.7. CL&P proposes to construct the replacement tower at a location approximately 98 feet to the southeast. Petition 674, on the other hand, called for the replacement tower to be 630 feet to the northwest to place it nearer the front of the CL&P property along West

Johnson Road. This served the dual purpose of providing more direct access for telecommunications carriers and providing a more easily monitored location. Both were deemed necessary by CL&P to meet the post "911" needs of plant security and Homeland Security.

In order to utilize a location much near to the existing tower, SBMS and CL&P have worked out a security arrangement that satisfies carrier need for 24/7 access while also satisfying CL&P's security needs, especially during non-working hours for the CL&P facility. First, the CL&P property is currently under remote observation at CL&P's headquarters in Berlin using on-site security cameras, and these cameras can also be used to monitor the proposed tower location at the rear of the property. Second, security cameras and telephones will be installed at the main gate to the CL&P property, and another set will be placed at an interior gate that carrier personnel must pass through to reach the tower facility compound. The off-site security guards will require satisfactory identification of carrier personnel by security camera and voice communication before remote-controlled gates will be opened.

No Substantial Adverse Environmental Effect

The Council has determined, through duly adopted regulations, that where certain criteria are met, replacement of a telecommunications tower is deemed not to have a substantial adverse environmental effect and does not require a Certificate. Those criteria address the proposal's effect on tower height, site boundaries, noise, and radio frequency power density. See R.C.S.A. Section 16-50j-72(b)(3).

CL&P and SBMS submit that their proposal to relocate the CL&P tower some 98 feet to the southeast is just such a case and does not require a Certificate:

1. The overall height, of both the existing and replacement structures, including CL&P's whip antennas, would be the 106 feet above ground level. Ground elevations are very consistent throughout the CL&P compound, and, therefore, the replacement tower would not exceed the overall height of the existing tower by virtue of ground level variations. Although the replacement tower and its foundation would be designed for possible future increase to 140 feet, that increase is *not* proposed in this Notice and any increase would be subject to later Council approval.
2. The proposed changes will not affect property boundaries. The replacement tower will be constructed on the same leased parcel of land as the existing tower, and in fact, it would lie within CL&P's existing fence. The proposed tower location, including the entire fenced compound, lies on ground that is currently paved. Additionally, no trees would be cut or otherwise disturbed by the proposed tower relocation.
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, 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 beside the building in relation to the operation of the proposed antenna array is as follows:

Antennas	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
CL&P Whip	103	Low Band	1	120	0.0041	0.2000	2.0
CL&P Whip	103	150	1	120	0.0041	0.2000	2.0
SBMS GSM	98	880 - 894	2	296	0.0222	0.5867	3.8
SBMS GSM	98	1930 - 1935	2	427	0.0320	1.0000	3.2
CL&P Microwave	78	n/a -- v. strongly directional & horizontal -- no significant RF will reach the ground					
Future CL&P Whip	85	450	1	250	0.0124	0.3000	4.1
Total							15.2%

[†] 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.

The cumulative "worst-case" exposure from the proposed site configuration is 15.2 % of the ANSI/IEEE standard, as calculated for mixed frequency sites. Total power density levels resulting from tower replacement and shared use of the facility would thus remain within applicable standards.

For the foregoing reasons, SBMS respectfully submits that the proposed replacement of the CL&P tower in Cheshire constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b)(3).

Please feel free to call me at (860) 513-7700 with questions concerning this application. Thank you for your consideration in this matter.

Respectfully yours,

Michele G. Briggs / SL

Michele G. Briggs
Manager of Real Estate

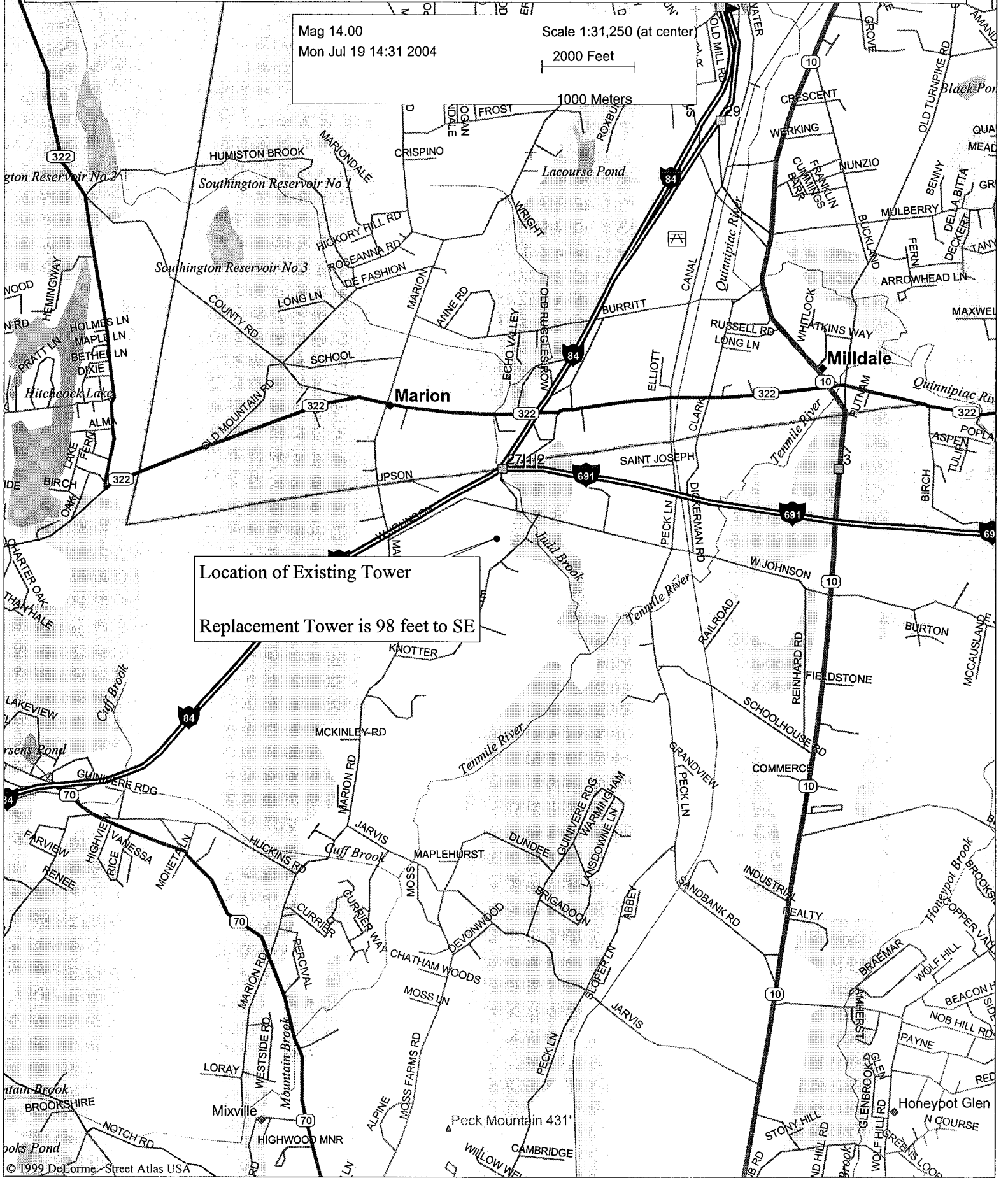
Enclosures

cc: Honorable Michael A. Milone, Town Manager, Town of Cheshire

Cheshire -- West Johnson Road -- CL&P

Mag 14.00
Mon Jul 19 14:31 2004
Scale 1:31,250 (at center)
2000 Feet
1000 Meters

Location of Existing Tower
Replacement Tower is 98 feet to SE



A&E FIRM
URS CORPORATION AES
 795 BROOK STREET, BLDG 5
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

A&E SEAL

PROJECT NO: 36917713
 JOB NO: CW1-024
 DRAWN BY: CRS
 CHECKED BY:

ISSUED FOR	
04-16-04	REVIEW
04-21-04	FINAL
07-07-04	REVISED-FINAL
07-14-04	REVISED-FINAL

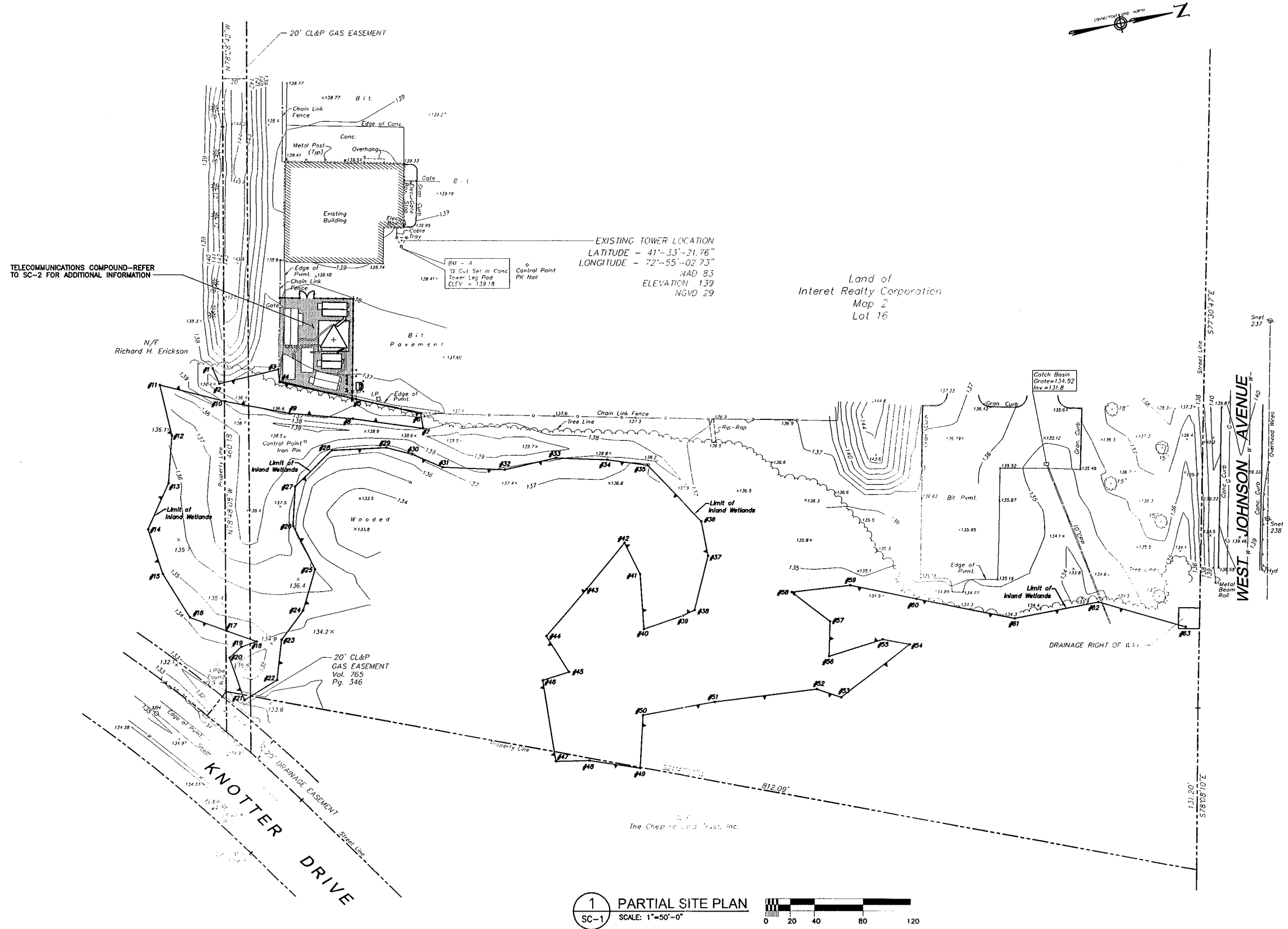
THE INFORMATION CONTAINED
 IN THIS SET OF DOCUMENTS
 IS PROPRIETARY BY NATURE.
 ANY USE OR DISCLOSURE
 OTHER THAN THAT WHICH
 RELATES TO CINGULAR WIRELESS
 IS STRICTLY PROHIBITED.

**CHESHIRE
 WEST JOHNSON
 AVENUE**
 705 WEST JOHNSON AVENUE
 CHESHIRE, CONNECTICUT 06410

SCALE: AS NOTED

SITE PLAN

SC-1



1 PARTIAL SITE PLAN
 SC-1 SCALE: 1"=50'-0"





Southwestern Bell Mobile Systems, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7700
Fax: (860) 513-7190

Michele G. Briggs
Manager of Real Estate

July 20, 2004

Honorable Michael A. Milone
Town Manager, Town of Cheshire
Town Hall, 84 South Main St.
Cheshire, Connecticut 06410

Dear Mr. Milone:

On June 9, 2004 the Connecticut Siting Council ("Council") voted to deny Petition 674 filed by Southwestern Bell Mobile Systems, LLC ("SBMS") on behalf of itself and The Connecticut Light & Power Company ("CL&P"). Petition 674 sought a determination that no Certificate of Environmental Compatibility and Public Need ("Certificate") was required under the provisions of §16-50k of the Connecticut General Statutes ("C.G.S.") for replacement of an existing wireless telecommunications facility at 705 West Johnson Road in Cheshire, Connecticut. Grounds for denial were stated to be excessive distance between the existing tower and the proposed replacement tower, which was on the order of 630 feet.

In consultation with CL&P and Council staff, we have now developed a revised plan that reduces the distance between the existing and replacement towers to just under 100 feet, while still meeting CL&P's concerns over plant security and Homeland Security.

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 Cheshire 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 SBMS 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,

Michele G. Briggs
Manager of Real Estate

Enclosure

TO: DEREK

FR: STEVE LEVINE

7-26-04

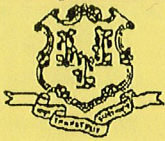
RECEIVED
JUL 26 2004

CONNECTICUT
SITING COUNCIL

Tower replacement by

Exempt Mod - Stamford, 1998.

- Steve



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

August 11, 1998

Peter J. Tyrrell
Senior Counsel
Springwich Cellular Limited Partnership
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RECEIVED
JUL 26 2004

CONNECTICUT
SITING COUNCIL

Re: DOCKET NO. 45 - Springwich Cellular Limited Partnership Certificate of Environmental Compatibility and Public Need for telecommunications facilities in Fairfield County. Notice of Intent to Modify Stamford Facility. (EM-SCLP-135-980722)

Dear Attorney Tyrrell:

At a public meeting held on August 6, 1998, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility in Stamford, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies, with conditions that the antenna platforms to be used are low-profile platforms of similar design and appearance, painted sky-blue to match the color of the tower, if available and practical.

The proposed modifications are to be implemented as specified here and in your notice dated July 22, 1998. 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 frequency 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 been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequency now used on this tower. 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 No. 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,

Mortimer A. Gelston

Mortimer A. Gelston
Chairman

MAG/RKE/jlh

c: Honorable Dannel P. Malloy, Mayor, City of Stamford

Springwich Cellular Limited Partnership

500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7755
Fax: (860) 513-7614

Peter J. Tyrrell
General Counsel

July 22, 1998

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: Springwich Cellular Limited Partnership - Stamford Cell Site

Dear Mr. Gelston:

The Springwich Cellular Limited Partnership ("Springwich") plans to allow Sprint Spectrum Limited Partnership ("Sprint") and Omnipoint Communications, Inc. ("Omnipoint") to install antennas and related equipment at the existing Springwich facility in Stamford, Connecticut. Bell Atlantic Mobile ("BAM") has shared this facility with Springwich since 1993. Nextel Communications ("Nextel") has shared this facility with Springwich since 1996. Please accept this letter 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). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Stamford.

The existing facility consists of a 150 foot monopole and three (3) equipment shelters located off of Turn of River Road in Stamford. This facility was approved by the Connecticut Siting Council in its September 14, 1984 Decision and Order in Docket No. 45 to not exceed a total height of 167 feet including antennas.

Sprint plans to attach to the tower nine (9) panel antennas, Decibel Products Model DB980, approximately 5 feet in height, and one (1) small related Global Positioning Satellite System ("GPS") receive-only antenna, and to install an equipment cabinet on a pad adjacent to the tower.

Omnipoint plans to attach to the tower a PCS AcCELLerator, containing three (3) panel antennas, EMS Wireless Model TRR90-17, approximately six feet in height, and one (1) small related GPS receive-only antenna, and to install an equipment cabinet on a pad adjacent to the tower.

In order to accommodate the additional Sprint and Omnipoint uses, and to also provide Nextel a separate platform for its antennas, the existing tower shall be replaced to meet structural and engineering requirements.

The changes to the tower site 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 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), subsections (2) and (3).

First, the height of the tower will be unaffected. The existing 150 foot monopole will be replaced with a 150 foot monopole. The replacement tower will be designed to accommodate multiple users, in order to further the intent of C.G.S. Section 16-50aa. Springwiche's antennas will be placed on a platform at the top of the tower, with the center of radiation at approximately the 150 foot level of the tower. BAM's antennas will be placed on a platform with the center of radiation at approximately the 140 foot level of the tower. Nextel's antennas will be placed on a platform with the center of radiation at approximately the 130 foot level of the tower. Sprint's antennas will be placed on a platform with the center of radiation at approximately the 120 foot level of the tower. Omnipoint's antennas will be attached to a mounting pipe above the top of the tower above the Springwiche antennas, with a center of radiation at approximately the 160 foot level of the tower. The tower will also be designed to accept a lower fifth platform for a future user, however the platform will not be installed until a user is located. Neither the replacement tower itself nor the additional antennas will extend above the approved height of 167 total feet for the tower and antennas, which was certificated by the Council in Docket No. 45.

Second, the proposed changes will not extend the site boundaries. Springwiche leases a parcel of land 100 feet by 100 feet in size. The existing fenced area is approximately 80 feet by 80 feet. The location of the additional two (2) carriers will be placed within the existing fenced area. The fenced area will not need to be increased in order to accommodate the replacement tower and Sprint's and Omnipoint's equipment space requirements. All proposed changes are reflected on the attached site plan.

Third, the proposed additions will not increase the noise levels at the existing facility by six decibels or more. Except for noise resulting from construction, the only additional noise will be from cooling mechanisms for Sprint's and Omnipoint's equipment cabinets.

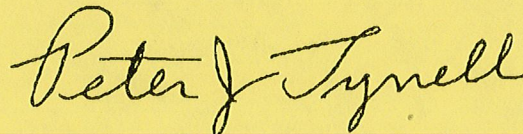
Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density, measured at the tower base, to a level at or above the applicable Connecticut and ANSI standards. In addition, the power densities are in full compliance with the Federal Telecommunications Act of 1996. The following chart shows the "worst-case" power density calculations for a point at the base of the tower for each of the proposed carriers. These calculations were done using the methods set forth in the August 1977 FCC OET Bulletin No. 65.

Carrier	Antenna Height	Power Density mW/cm ²	Connecticut and ANSI Standard	% of Standard
Sprint	120'	0.0375	1.000	3.75
Nextel	130'	0.0212	0.567	3.75
BAM	140'	0.0384	0.579	6.62
Springwich	150'	0.0332	0.587	5.66
Omnipoint	160'	0.0122	1.000	1.22
Total				21.0

Thus, the calculated "worst-case" power density for the combined operations at the site is 21.0 % of the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

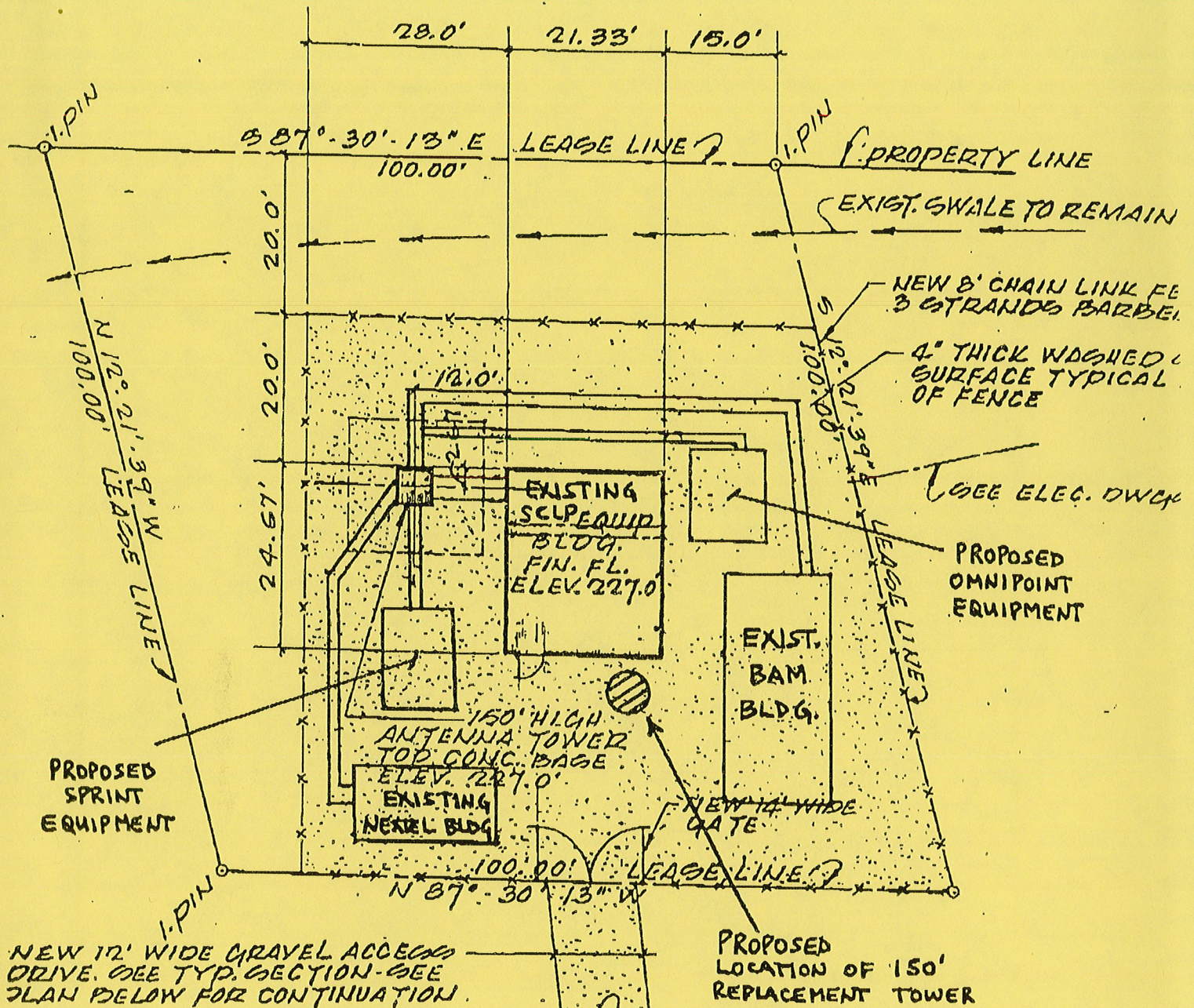
For the foregoing reasons, Springwich respectfully submits that the changes to accommodate tower sharing at the Stamford facility constitute an exempt modification under R.C.S.A. Section 16-50j-72(b).

Respectfully yours,



Enclosure

cc: Mr. Dannel P. Malloy, Mayor

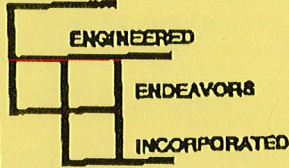


SITE PLAN

SCALE - 1" = 20'

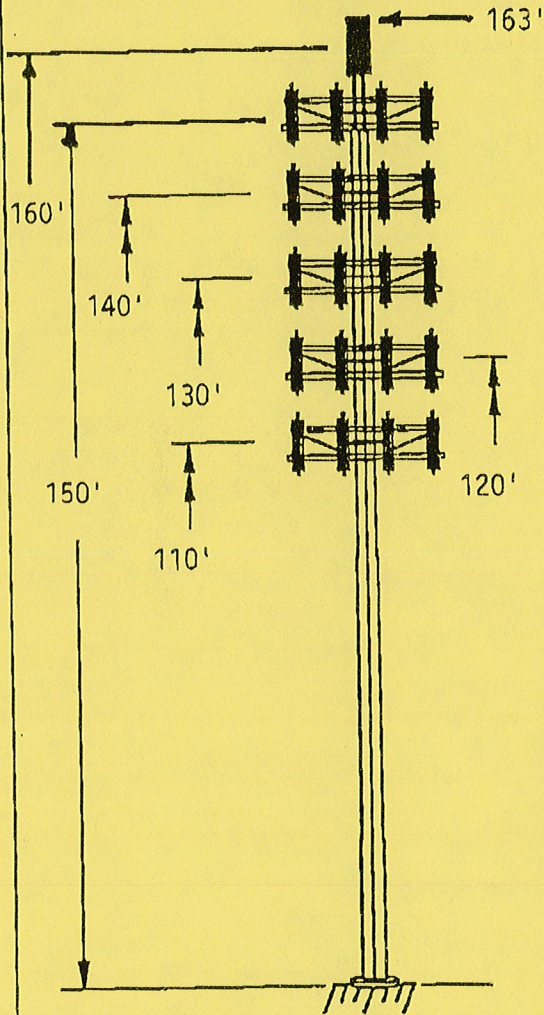
STAMFORD, CT

EXHIBIT A



Customer LUCENT TECHNOLOGIES By _____ Date _____
 Structure 150' MONOPOLE Checked _____ Job/Quote No. _____

SITE LOCATION - FAIRFIELD COUNTY, CT.
 SITE NAME - STAMFORD, CT



ANTENNA LOADING:

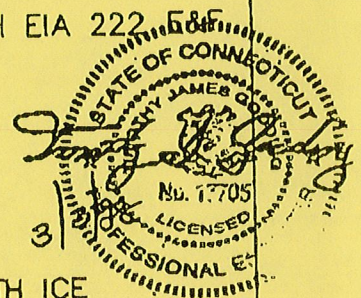
- (12) ALLGON 7120.16 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 150' (SPRINGWICH)
- (12) ALLGON 7120.16-DIRECTIONAL ANT. STS. AMPS PLATFORM @ 120' (SPRINT)
- (12) ALLGON 7184.05 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 130' (NEXTEL)
- (12) ALLGON 7184.05 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 140' (BAM)
- (12) ALLGON 7184.05 DIRECTIONAL ANT. STS. AMPS PLATFORM @ 110' (FUTURE)
- (3) EMS WIRELESS TRR90-17 ANTENNAS (PCS ACCELERATOR) @ 160' (OMNIPOINT)

DESIGN NOTES:

DESIGNED IN ACCORDANCE WITH EIA 222 F&F
 85 MPH BASIC WIND SPEED
 1/2" RADIAL ICE

CASE I - DESIGN LOADING
 85 MPH BASIC WIND SPEED

CASE II - DESIGN LOADING WITH ICE
 75% OF 85 MPH WIND WITH 1/2" ICE



NOTE: IT IS THE RESPONSIBILITY OF THE PURCHASER TO VERIFY THAT THE WIND LOADS AND DESIGN CRITERIA SPECIFIED MEET THE REQUIREMENTS OF ALL LOCAL BUILDING CODES

ENGINEERED ENDEAVORS, INC.

7610 Jenther Drive * Mentor, Ohio 44060
 Telephone: (440) 918-1101 * Telefax: (440) 918-1108

Springwich Cellular Limited Partnership

500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7755
Fax: (860) 513-7614

Peter J. Tyrrell
General Counsel

July 22, 1998

Mr. Dannel P. Malloy, Mayor
City of Stamford
Stamford Government Center
888 Washington Boulevard
Stamford, CT 06904-0891

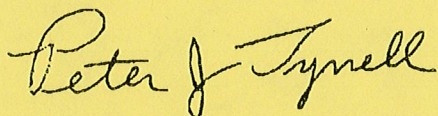
Dear Mr. Malloy:

Consistent with the State policy of encouraging tower sharing, the Springwich Cellular Limited Partnership ("Springwich") plans to allow Sprint Spectrum Limited Partnership ("Sprint") and Omnipoint Communications ("Omnipoint") to share its telecommunications site in Stamford. This tower has been shared with Bell Atlantic Mobile ("BAM") since 1993, and Nextel Communications ("Nextel") since 1996.

In order to meet structural requirements, the existing tower must be replaced. The replacement tower will be a monopole tower of the same height as the existing monopole. As required by Section 16-50j-73 of the Regulations of Connecticut State Agencies ("R.C.S.A."), please accept this letter and the attached letter to the Connecticut Siting Council as notice of intent to construct an "exempt modification" pursuant to R.C.S.A. Section 16-50j-72(b)(2) and (3).

The attached letter fully sets forth the Springwich 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. Joel M. Rinebold, Executive Director of the Connecticut Siting Council, at (860) 827-2935.

Sincerely,



Enclosure