STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

December 19, 1997

Sharon Burrows
Project Director
Omnipoint Communications, Inc.
1515 Summer Street, 4th Floor
Stamford, CT 06905-5111

Re: Omnipoint Communications Services notice of intent to modify an existing telecommunications facility located at 168 Catoona Lane in Stamford, Connecticut.

Dear Ms. Burrows:

At a public meeting held on December 18, 1997, 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.

The proposed modifications are to be implemented as specified here and in your notice dated December 2, 1997 and errata dated December 17, 1997. 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 and the Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. 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/sg

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

OMNIPOINT
COMMUNICATIONS INC.
1515 SUMMER ST. 4TH FLOOR, STAMFORD CT 06905 - 5111 FAX: (203) 359 2380

Fax

To: Bob Ekling **From:** Sharon Burrows

Fax: 860-827-2950 **Pages:** (INCLUDING COVER)

Phone: — **Date:** 12/17/97

Re: **CC:**

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

● **Comments:** Revised Calculations

POWER DENSITY ANALYSIS
AT&T TOWER, 168 CATOONA LANE, STAMFORD CONNECTICUT

SITE NAME: STAMFORD AT&T
TOWER HEIGHT: 331 FEET

Operating Frequency	# of Trans.	ERP per Trans.	Total effective Radiated Power	Distance to Target	Calculated Power Density	Maximum Permitted Exposure*	Fraction of MPE	Operator Name
MHz		watts	watts	feet	mW/cm. ^2	mW/cm.^2	%	
860.5	4	100	400	232	0.0027	0.573	0.47	Nextel
840	20	100	2000	283	0.0090	0.560	1.60	SNET
931.1875	2	1500	3000	315	0.0109	0.620	1.75	SNET Paging
Passive Repeater	0	0	0	208	0.0000	---------	0.00	City of Stamford Fire Department-Reflector
460	1	100	100	315	0.0004	0.306	0.12	AT&T - PD-666
Off-Air	0	0	0	308	0.0000	--------	0.00	AT&T-Horn reflector
1575.42/ 1227.6	0	0	0	16	0.0000	--------	0.00	Sprint Spectrum GPS Receive antenna
1957.5	11	122	1342	154	0.0203	1.000	2.03	Sprint Spectrum Trans mit Antenna
Total Percentage of Max. Permissible Exposure Before Omnipoint							5.97	
Omnipoint's Contribution								
1850-1865	0	0	0	267	0.0000	--------	0.00	Omnipoint Receive Antenna
1930-1945	1	192	316	267	0.00001	1.000	0.001	Omnipoint transmit Antenna
Total Percentage of Max. Permissible Exposure After Omnipoint							5.971%	

* IEEE C95.1-1991 (Revision of ANSI C95.1-1982)

NOTE: The data contained in this Power Density Analysis, is based on file data of the Connecticut Siting Council and from the information provided by Sprint PCS, the Tower owner.

OMNIPOINT®

OMNIPOINT COMMUNICATIONS SERVICES

December 2, 1997

RECEIVED

DEC 04 1997

CONNECTICUT
SITING COUNCIL

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051

Dear Chairman Gelston,

Enclosed is a notice of intent to Modify and Exempt the telecommunications tower and associated equipment for facilities owned and operated by the American Telephone & Telegraph Company - Stamford Site #337, 168 Catoona Lane, Stamford, Connecticut.

The proposed modification can be generally described as the addition of a "cellular type" PCS antenna array for Omnipoint Communications, consisting of six (6) panel antennas and base station equipment. Omnipoint Communications holds the "A Block" 1900 MHz "Wideband" PCS license for the entire State of Connecticut. The Omnipoint PCS wireless service is a voice-data system which will provide paging, data and voice communications services.

The top of the proposed antennas will be below the top of the existing tower. No changes will be made to the tower structure. The base station equipment will located on the ground at the base of the tower structure.

The attached pages detail the required information for this location. As shown in the attachments, the proposed addition meets all the necessary criteria established in the Regulations of Connecticut State Agencies Section 16-50j-72 (b) (2), and is an exempt facility pursuant to Section 16-50j-73.

Please record me as the contact for Omnipoint Communications in this matter and in all correspondence from the Council, except technical questions which may be directed to Lou Cornacchia of Scinetics Corporation, phone 914-576-6530.

Thank you in advance for your cooperation.

Sincerely,

Sharon Burrows

Sharon Burrows
Project Director - CRA
Omnipoint Communications Inc.

cc: The Honorable Mark A. Lauretti

168 Catoona Lane, Stamford, Connecticut

Pursuant to Section 16-50i (a) (5) of the Connecticut General Statutes and Section 16-50j-72 (b) (2), as amended, of the Regulations of Connecticut State Agencies, the American Telephone and Telegraph Company (AT & T) hereby notifies the Connecticut Siting Council that is intends to modify an existing communications facility by permitting the installation of a personal Communications Services (PCS) antenna system as specified below to an existing communications tower. This antenna will be owned, operated and maintained by Omnipoint Communications. Associated communications hardware will be located in AT & T's existing compound. The site is located at 168 Catoona Lane Stamford, Connecticut, (C.S.C. site # 377).

Background

The proposed modifications are at the site of a self supporting 300 foot communications tower and one communications equipment shelter. Shelter and the tower are owned and operated by AT & T. The tower was formally used as a microwave tower for AT & T's telecommunications network, and is currently used as indicated on the power density chart, below.

Discussion

Omnipoint proposes to install 6 individual panel antennas configured as a three sector array. The highest point at the tip of the antennas will measure 269.5' feet above grade Lowest point of this antennas will be at 264.5' feet. The power density this antenna contributes at this site is tabulated below. The purpose of this modification is to serve the public with Wideband PCS services. The make and model number of the proposed antennas are Celwave APN-199015-2T2 panels. The frequencies used are the 1900 MHz PCS band.

A power density chart is attached which represents calculated existing and proposed non-ionizing radiation levels. The levels shown indicated the total power density in milliwatts per square centimeter. These levels have been calculated at both the tower base, and at the site boundary.

The current Connecticut (and ANSI/IEEE) power density level standards, for non-ionizing radiation, are shown are shown on the attached chart. A ground reflection coefficient of 1.6 is used. The levels identified in this case are below the standards. These calculations conform to the procedures described by FCC OST Bulletin no 65 .

Conclusion

The proposed additions do not constitute "modification" of an existing facility as defined in the Connecticut General Statutes Section 16-50i(d). There will be no change to the tower height or extension of the boundaries of the site. The tower is structurally sufficient to support the proposed antennas after existing dish antennas are removed. There will be no increase in noise levels at the site's boundary by six (6) decibels or more and the total radio frequency electromagnetic radiation is not at or above the standard set forth in Section 22 (a)-162 of the Connecticut General Statutes. This addition will not have a substantially adverse environment effect.

For these reasons, Omnipoint Communications requests that the council acknowledge that this Notice of Modification meets the Council's exception criteria.

POWER DENSITY ANALYSIS
AT&T TOWER, 168 CATOONA LANE, STAMFORD CONNECTICUT
SITE NAME: STAMFORD AT&T
TOWER HEIGHT: 331 FEET

Operating Frequency	# of Trans.	ERP per Trans.	Total effective Radiated Power	Distance to Target	Calculated Power Density	Maximum Permitted Exposure*	Fraction of MPE	Operator Name
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840	20	100	2000	283	0.0090	0.560	1.60	SNET
931.1875	2	1500	3000	315	0.0109	0.620	1.75	SNET Paging
Passive Repeater	0	0	0	208	0.0000	---------	0.00	City of Stamford Fire Department-Reflector
460	1	100	100	315	0.0004	0.306	0.12	AT&T - PD-666
Off-Air	0	0	0	308	0.0000	--------	0.00	AT&T-Horn reflector
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1957.5	11	122	1342	154	0.0203	1.000	2.03	Sprint Spectrum Trans mit Antenna
Total Percentage of Max. Permissible Exposure Before Omnipoint							5.97	
Omnipoint's Contribution								
1850-1865	0	0	0	161	0.0000	--------	0.00	Omnipoint Receive Antenna
1930-1945	1	192	316	161	0.0042	1.000	0.42	Omnipoint transmit Antenna
Total Percentage of Max. Permissible Exposure After Omnipoint							6.39%	

* IEEE C95.1-1991 (Revision of ANSI C95.1-1982)

NOTE: The data contained in this Power Density Analysis, is based on file data of the Connecticut Siting Council and from the information provided by Sprint PCS, the Tower owner.

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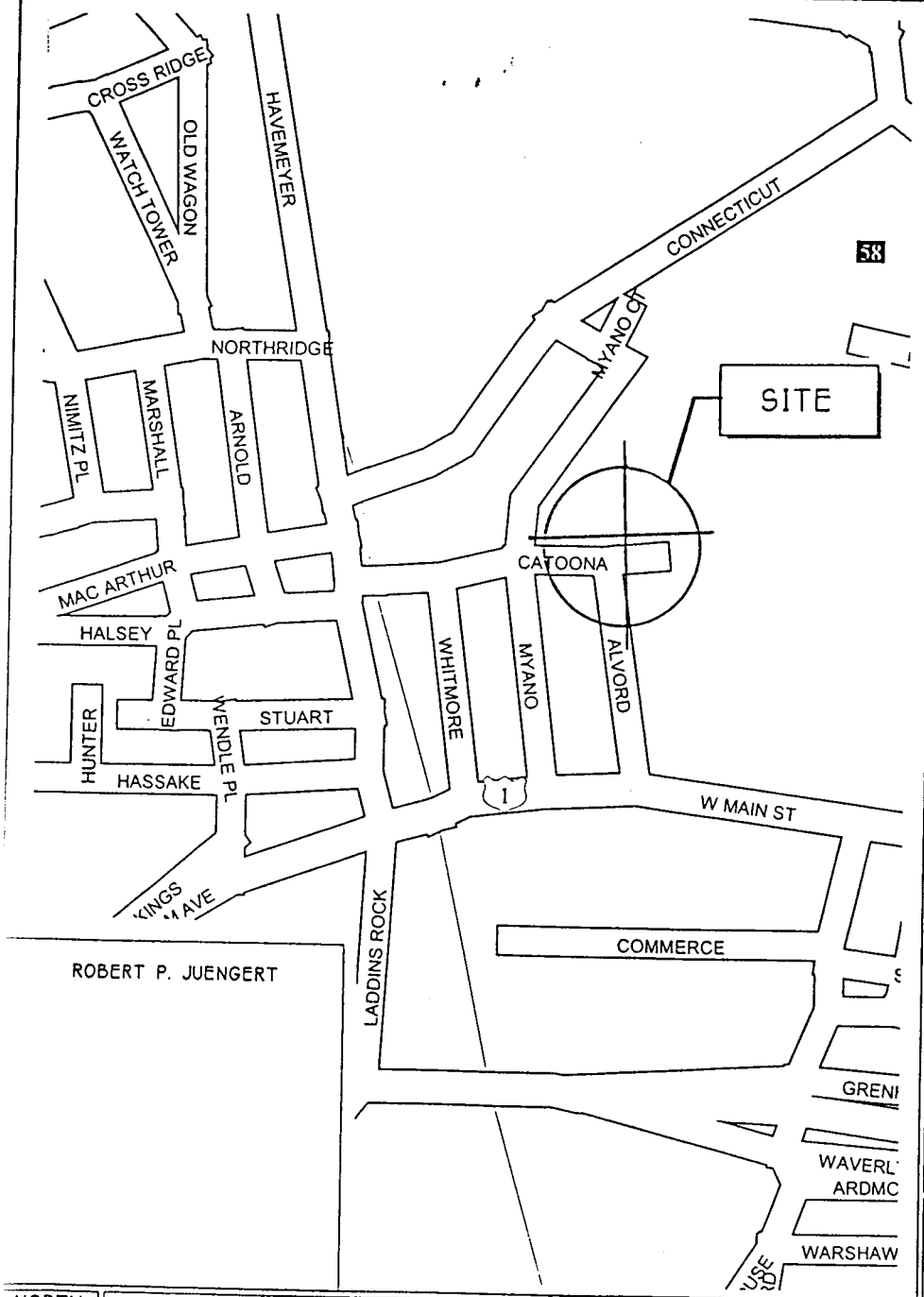
AT&T L/D TOWER
CATOONA LANE
STAMFORD, CT

SEARCH AREA: **AT&T-GREENWICH/I95**

SITE I.D. #: **CT-11-007-A**

LOT#: #	BLOCK#: #	ZONING DISTRICT: #	MAP#: #



DWG.:	TITLE:
A-0	SCOPE OF WORK
A-1	SITE LAYOUT
A-2	EQUIPMENT PLAN
A-3	ELEVATION
A-4	EQUIPMENT ELEVATION
A-4A	CABINET DETAILS
A-5	ICE BRIDGE DETAILS
A-5A	ELECTRIC / TELCO MOUNT
A-6	GENERAL NOTES
A-7	GENERAL NOTES
A-8	CABLE/ DEVICE SCHEDULE
A-9	TYPICAL CABLE ROUTING
E-1	GENERAL INFORMATION
E-2	SERVICE PLAN
E-3	GROUNDING PLAN
E-4	RISER
E-5	GROUNDING DETAILS
E-6	GROUNDING DETAILS
E-7	GROUNDING DETAIL
E-8	DETAILS
E-9	GROUNDING DETAIL

ARCNET PROJECT NO.	P.C.	DATE
A96.506.462A	DWE	10/6/97

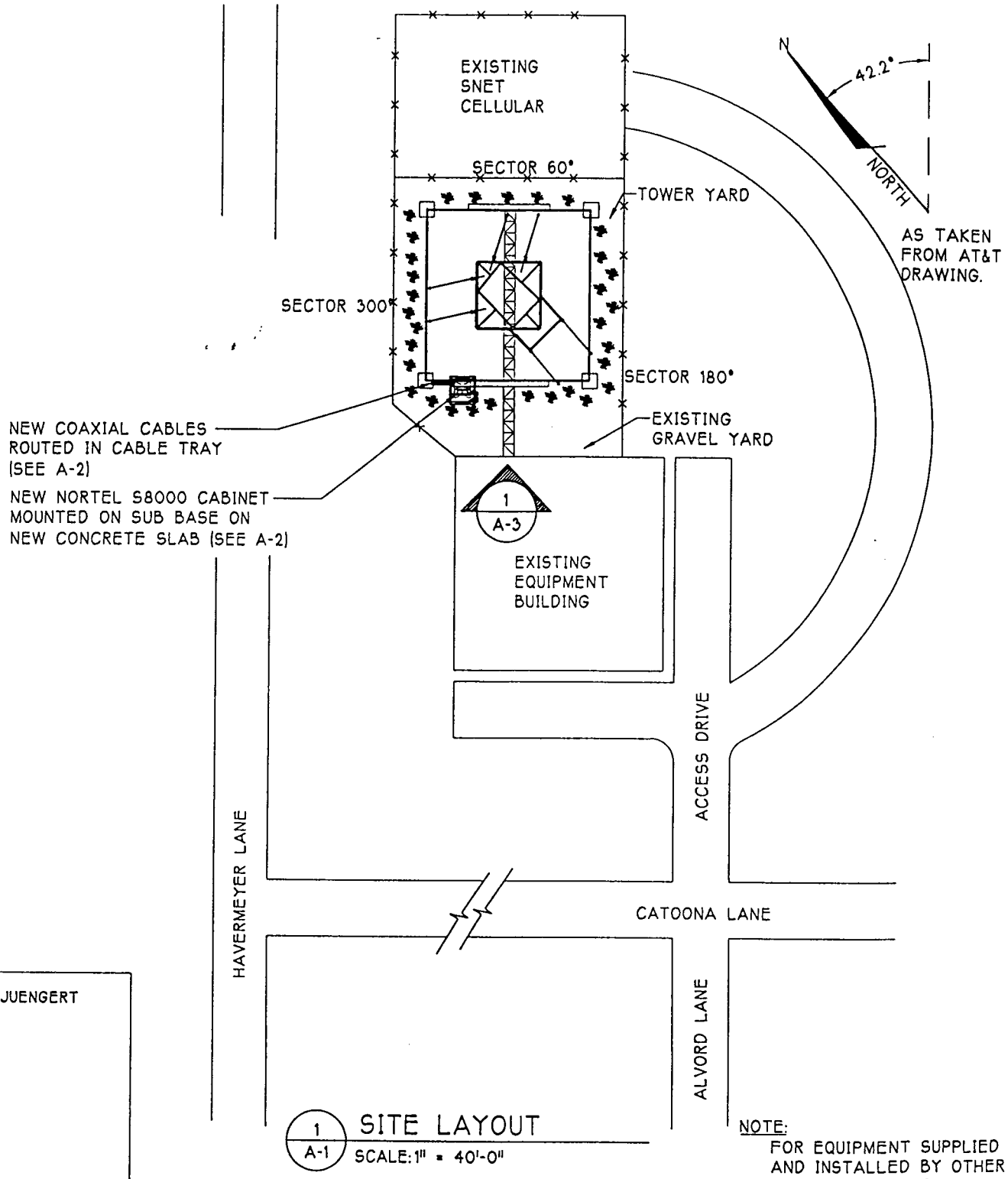
NORTH

SITE LOCATION MAP

SCALE: 1" = 500'±

ARCNET ARCHITECTS, INC.
670 North Beers Street, Building 2, Holmdel, NJ 07733
Tel: 908.739.3200 Fax: 908.739.0440

F:\data\96\506\462A\a-1 Tue Oct 28 13:09:34 1997 JVe



1 A-1 SITE LAYOUT
SCALE: 1" = 40'-0"

NOTE:
FOR EQUIPMENT SUPPLIED AND INSTALLED BY OTHER SEE DRAWING A-0.

ROBERT P. JUENGERT

CT-04-208

ARCNET ARCHITECTS, INC.
670 North Beers Street, Building 2, Holmdel, NJ 07733
Tel: 732.739.3200 Fax: 732.739.0440

Drawing Title: SITE LAYOUT
Client: OCS
Project: AT&T L/D TOWER
Address: CATOONA LANE
STAMFORD, CT
Approved by
PROJ. MGR: _____ DATE: _____
R.F. ENGR: [illegible] DATE: 10/30
SAC: _____ DATE: _____
OWNER: _____ DATE: _____

Search Area: AT&T-GREENWICH/195 Site ID No.: CT-11-007A	P.C.: DWE	P.C. Chk'd: JW	Chkd by:	ARCNET Project No.: A96.506.462A	Drawn: DGa	Date: 10/6/97

Revision No.	Date:

Drawing No. A-1

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

December 12, 1997

Honorable Dannel P. Malloy
Mayor
City of Stamford
Stamford Government Center
888 Washington Blvd., P.O. Box 891
Stamford, CT 06904-0891

RE Omnipoint Communications Services notice of intent to modify an existing telecommunications facility located at 168 Catoona Lane in Stamford, Connecticut.

Dear Mayor Malloy:

On December 9, 1997, the Connecticut Siting Council (Council) received a request from Omnipoint Communications to modify an existing telecommunications facility located at 168 Catoona Lane in Stamford, Connecticut, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for Thursday, December 18, 1997, at 2:00 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 modification of an existing facility.

Thank you for your cooperation and consideration.

Very truly yours,

Joel M. Rinebold
Executive Director

JMR/sg

Enclosure: Notice of Intent

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