



Bell Atlantic NYNEX Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492
203-269-8858

Jennifer Young Gaudet
Manager - Regulatory

ORIGINAL

November 22, 1995

HAND DELIVERED

Mr. Joel M. Rinebold
Executive Director
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, Connecticut 06051

RECEIVED

NOV 22 1995

CONNECTICUT
SITING COUNCIL

Re: Bell Atlantic NYNEX Mobile - Antenna Upgrades

Dear Mr. Rinebold:

Bell Atlantic NYNEX Mobile ("BANM" or the "Company") is undertaking a system performance improvement plan which involves upgrading the antenna configurations at most of its cell sites. This letter, together with attached Schedule 1 which provides site-by-site detail, serves as BANM's notice of intent, pursuant to R.C.S.A. § 16-50j-73, of construction which constitutes exempt modifications pursuant to R.C.S.A. § 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 chief elected officials of the municipalities in which the affected cell sites are located. Those individuals are listed on Schedule 2, appended hereto. A sample of the letter sent to those officials is also enclosed.

The changes include some conversions from omnidirectional to sectorized configurations, some changes in antenna model and some additions of directional antennas. As detailed below and on Schedule 1 appended hereto, the changes meet the criteria for exempt modifications.

First, the height of BANM's installations will not be increased at any of the sites; the changes may result in a decrease in height. On most Company-owned monopoles, the dual platform configuration formerly used will be modified by adding a rail assembly to each platform and removing the vertical mounting pipes between them. The panel antennas will be mounted on the top rail assembly. These antennas will replace the top-mounted omnidirectional antennas as well as the transmit/receive antennas which have been mounted between the platforms. These changes will reduce the overall height of the structures (including appurtenances). Similar changes made to lattice towers, while not utilizing a platform mount, will also result

Mr. Joel M. Rinebold
November 22, 1995
Page 2

in reduced overall height at sites where top-mounted omnidirectional antennas have been used.

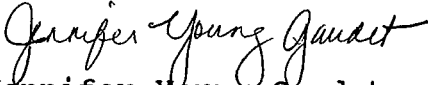
Second, the planned changes will not extend the site boundaries. The antenna upgrade does not involve other changes to the sites.

Third, the planned changes will not increase the noise levels at the existing facilities by six decibels or more. The change in antenna model and any additional antennas will not result in any change in noise levels.

Fourth, operation of the new antennas will not increase the total radio frequency electromagnetic radiation power density at any of the sites to a level at or above the ANSI standard. Included in Schedule 1 are the results of updated power density calculations for BANM's installations. In general, the changes will result in a decrease in power density predictions since sectorization restricts RF channel transmissions to less than a full 360° pattern and reduces effective radiated power to approximately one third of omnidirectional values. It should be noted, however, that the percentage of the ANSI standard may reflect a higher number than that shown in previous filings for sites which predated the 1992 revision to the ANSI standard. Because the effect, if any, of the change in antenna configuration is to decrease the overall power density, no updated calculations have been performed for other uses at shared sites.

Based on the foregoing and the enclosed, the Company respectfully submits that the proposed changes to the antenna configurations at the sites listed on Schedule 1 constitute exempt modifications under R.C.S.A. Section 16-50j-72(b).

Respectfully yours,


Jennifer Young Gaudet
Manager - Regulatory

Enclosures

cc: Municipal officials listed on Schedule 2

SITE NAME	ADDRESS	TOWN	CSC REF	RAD CTR	# OF ANTS	TYPE/MODEL of ANTENNAS	POWER DENSITY	% OF STANDARD
BOLTON	130 VERNON RD	BOLTON	EXMOD	120	3	ALP-9212	0.0474	8.13
BRANFORD	1801 NORTH MAIN ST	BRANFORD	DN 122	107	15	ALP-9212	0.0596	10.22
BRISTOL	32 VALLEY ST	BRISTOL	EXMOD	88	9	ALP-9212	0.0882	15.13
BRUCE GOLF COURSE	1323 KING ST	GREENWICH	EXMOD	98/103	6	ALP-9212	0.0711	12.19
CLINTON	48 COW HILL RD	CLINTON	DN 148	206	12	ALP-9212	0.0161	2.76
DANBURY	24 HOSPITAL AVE	DANBURY	DN 79	204	12	ALP-9212	0.0164	2.81
DARIEN	LEDGE RD	DARIEN	DN 155	100	14	ALP-9212	0.0682	11.7
DURHAM	101R OLD BLUE HILLS RD	DURHAM	DN 161	100	12	ALP-9212	0.0682	11.7
EAST BRIDGEPORT	939 BARNUM AVE	BRIDGEPORT	EXMOD	152	12	ALP-9212	0.0296	5.08
EAST FAIRFIELD	40 BLACKROCK TPKE	FAIRFIELD	PET 304	120	12	ALP-9212	0.0474	8.13
EAST GRANBY	NEWGATE RD	EAST GRANBY	EXMOD	80	8	ALP-9212	0.1067	18.3
EAST LYME	93 ROXBURY RD	EAST LYME	DN 116	158	10	ALP-9212	0.0274	4.7
EAST NORWALK	FILBERT ST	NORWALK	PET 305	120	15	ALP-9212	0.0474	8.13
ENFIELD	OLIVER RD	ENFIELD	DN 139	150	13	ALP-9212	0.0303	5.2
FAIRFIELD	281 WOODHOUSE RD	FAIRFIELD	DN 86	160	15	ALP-9212	0.0267	4.58
FARMINGTON	RATTLESNAKE MTN	FARMINGTON	EXMOD	239	8	ALP-9212	0.012	2.06
GLASTONBURY	BIRCH MOUNTAIN RD	GLASTONBURY	DN 58	155	9	ALP-9212	0.0284	4.87
GREENWICH	5 PERRYRIDGE RD	GREENWICH	DN 73	106	12	CTY-10510	0.0608	10.43
GROTON	68 GROTON LONG POINT RD	GROTON	EXMOD	100	12	ALP-9212	0.0682	11.7
GUILFORD	131 MANOR RD	GUILFORD	DN 56	150	12	ALP-9212	0.0303	5.2
HADDAM	TURKEY HILL RD	HADDAM	DN 58	180	12	ALP-9212	0.0211	3.62
HAMDEN	1055 WINTERGREEN AVE	HAMDEN	DN 56A	173	12	ALP-9212	0.0228	3.91
HARTFORD	1 STATE ST	HARTFORD	DN 58	296	9	ALP-9212	0.0078	1.34
HARTFORD N.W.	439-455 HOMESTEAD AVE	HARTFORD	DN 126	140	12	ALP-9212	0.0348	5.98
KILLINGWORTH	TOWER HILL RD (RT 80)	KILLINGWORTH	DN 69	160	12	ALP-9212	0.0267	4.58
MERIDEN	WEST PEAK	MERIDEN	DN 93	78	8	ALP-9209	0.1122	19.25
MIDDLETOWN	213 COURT ST	MIDDLETOWN	DN 126	180	9	ALP-9212	0.0211	3.62
MILFORD	423 ORONOQUE RD	MILFORD	DN 56	100	9	ALP-9212	0.0682	11.7
NAUGATUCK	45 PEACH ORCHARD RD	NAUGATUCK	DN 56B	195	12	ALP-9212	0.018	3.09
NEW BRITAIN	155 MYRTLE ST	NEW BRITAIN	PET 283	93	12	ALP-9212	0.079	13.55
NEW HAVEN	54 MEADOW ST	NEW HAVEN	DN 140	146	15	ALP-9212	0.032	5.49
NEW HAVEN EAST	153 FORBES AVE	NEW HAVEN	PET 329	72	12	CTY-10510	0.1317	22.59
NEW LONDON	59 WESTWOOD AVE	NEW LONDON	EXMOD	80	2	DB-809	0.1067	18.3
NEWTOWN	WASHINGTON AVE (RT 34)	NEWTOWN	DN 89	182	9	ALP-9212	0.0206	3.54
NORTH BRANFORD	83 REEDS GAP RD	NORTH BRANFORD	DN 56	87	15	ALP-9212	0.0902	15.47
NORTH BRIDGEPORT	1330 CHOPSEY HILL RD	BRIDGEPORT	EXMOD	132	12	ALP-9212	0.0392	6.12

SITE NAME	ADDRESS	TOWN	CSC REF	RAD CTR	# OF ANTS	TYPE/MODEL of ANTENNAS	POWER DENSITY	% OF STANDARD
NORTH HAVEN	117 WASHINGTON AVE	NORTH HAVEN	DN 117	122	15	ALP-9212	0.0459	7.87
NORTH NORWALK	WEST ROCKS RD	NORWALK	PET 284	83	15	ALP-9212	0.0991	17
NORWALK	50 ROCKLAND RD	NORWALK	DN 73	171	12	ALP-9212	0.0234	4.01
OLD SAYBROOK EAST	2 CLARK ST	OLD SAYBROOK	PET 327	90	9	ALP-9212	0.0843	14.46
PORTLAND	OLD MARLBOROUGH TPKE	PORTLAND	DN 58	160	10	ALP-9212	0.0267	4.58
REDDING	80 LONETOWN RD	REDDING	PET 311	95	2	PD-10009	0.0757	12.98
RIDGEFIELD	76 EAST RIDGE AVE	RIDGEFIELD	DN 113	140	9	ALP-9212	0.0348	5.97
RIVERSIDE	1111 EAST PUTNAM AVE	GREENWICH	DN 120	47	12	ALP-9212	0.3091	53.02
ROCKY HILL	FRANCE ST	ROCKY HILL	DN 58	140	12	ALP-9212	0.0348	5.97
SOMERS	126 PIONEER HTS RD	SOMERS	DN 58	155	12	ALP-9212	0.0284	4.87
SOUTHBURY	KETTLETOWN RD	SOUTHBURY	DN 88	230	12	ALP-9212	0.0129	2.21
STAMFORD	300 TRESSER BLVD	STAMFORD	DN 73	206	10	ALP-9209	0.0161	2.76
TALCOTT	TALCOTT MOUNTAIN	BLOOMFIELD	DN 107	55	3	ALP-6008	0.2657	38.72
TRUMBULL	SCIENCE CENTER	TRUMBULL			3	ALP-11008		
VERNON	BOOTH HILL RD/ VIDEO LN	TRUMBULL	DN 77	230	15	ALP-9212	0.0129	2.21
WEST HARTFORD	SOUTH ST	VERNON	DN 58A	120	12	ALP-9212	0.0474	8.13
WEST HAVEN	570 NEW PARK AVE	WEST HARTFORD	DN 131	150	14	ALP-9212	0.0303	5.2
WEST HAVEN	24 ROCKDALE RD	WEST HAVEN	DN 56	169	12	ALP-9212	0.0239	4.1
WETHERSFIELD	100 GREAT MEADOW RD	WETHERSFIELD	DN 139	115	12	ALP-9212	0.0516	8.86
WILLIMANTIC	349 MOUNTAIN RD	WILLIMANTIC	EXMOD	193	4	PD-10017	0.0183	3.14
WILLINGTON	56 COS GROVE RD	WILLINGTON	DN 58	138	10	ALP-11011	0.0359	6.15
WILTON	128 OLD MATHER RD	WILTON	DN 94	178	12	ALP-9212	0.0216	3.7
WINDSOR	482 PIGEON HILL RD	WINDSOR	DN 58	155	15	ALP-9212	0.0284	4.87
WINDSOR SOUTH	599 MATIANUCK AVE	WINDSOR	DN 137	100	10	ALP-9212	0.0682	11.7
WOLCOTT	347 EAST ST	WOLCOTT	DN 56	167	12	ALP-9212	0.0245	4.2
WOODSTOCK	WEST QUASSETT RD	WOODSTOCK	EXMOD	134	2	PD-1110R	0.038	6.52



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051
Phone: 827-7682

July 16, 1992

David S. Malko
Manager, Engineering and
Regulatory Service
Bell Atlantic Metro Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE; Bell Atlantic Metro Mobile notice of intent to modify an existing tower structure on top of an existing building at 32 Valley Street Street, Bristol, Connecticut.

Dear Mr. Malko:

At a public meeting held on July 15, 1992, the Connecticut Siting Council (Council) ruled that the proposed facility would not cause a significant change or alteration in the physical and environmental characteristics of the site by the placement of six cellular antennas on an existing non-facility 30-foot high tower structure, and acknowledged your notice of intent to modify this existing non-facility tower and associated equipment located on the roof of an existing building at 32 Valley Street, Bristol, Connecticut, pursuant to section 16-50j-73 of the Regulations of State Agencies (RSA).

The proposed modifications are to be implemented as specified in your notice dated June 26, 1992. As proposed, the modifications are in compliance with the exemption criteria specified in RSA 16-50j-72 as changes to an existing non-facility site that do not increase the tower height, do not extend the boundaries of the tower site, do not increase noise levels at the tower site boundary by six decibels or more, do not add radio frequency sending or receiving capability which increases total frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State of Connecticut, Department of Environmental Protection pursuant to section 22a-162 of the Connecticut General Statutes, and has received all municipal zoning approvals and building permits.

David S. Malko
July 16, 1992
Page 2

The Council is pleased to note that the use of an existing tower serves the Council's long-term goal of protecting the public interest by avoiding proliferation of additional tower structures.

Please notify the Council upon completion of construction.

Very truly yours,



Mortimer A. Gelston
Chairman

MAG/TEF/cp

cc: William T. Stortz, Mayor, City of Bristol

6248E

Bell Atlantic Metro Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492
203 269-8858

June 26, 1992

RECEIVED

JUN 29 1992

CONNECTICUT
SITING COUNCIL

Joel M. Rinebold
Executive Director
Connecticut Siting Council
136 Main Street
Suite 401
New Britain, Connecticut 06051

Re: Metro Mobile CTS of Hartford, Inc. - Bristol Site

Dear Mr. Rinebold:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment on an existing 30' tower structure owned by Carpenter Realty on top of an existing building at 32 Valley Street in Bristol, Connecticut. Please accept this letter as notice of intent, pursuant to R.C.S.A. Section 16-50j-73, of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c). In further compliance with R.C.S.A. Section 16-50j-73, a copy of this letter is being sent to the Mayor of Bristol.

The existing non-facility tower is a 30' self-supporting lattice tower located on top of the existing 80' building at 32 Valley Street in Bristol. Metro Mobile plans to install six directional panel-type antennas on the tower. The Company will also renovate an area within the existing building's sixth floor to house its electronic equipment.

The addition of Metro Mobile's antennas and equipment to the tower site does not constitute a substantial environmental affect since such additions do not cause a significant change or alteration in the physical and environmental characteristics of the site (see attached tower attachment plans). Rather, the planned changes to the existing non-facility tower falls squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(c).

First, the height of the existing structure will be unaffected. Six antennas, Model Sinclair SRL-410C-4RX, will be side mounted on nine sidearms with the antenna bases at the 20' level of the tower. The antennas will extend approximately 10' upward from their mounting points to the top arm. Thus, the antennas will extend no higher than the 30' level of the 30' tower. The tower will not require any structural modification to support the proposed attachments.

Second, the proposed addition will not extend the boundaries of the site. The equipment will be sheltered within the existing building.

Third, the proposed addition will not increase the noise levels at the existing facility by six decibels or more. Except during construction, the only noise associated with the equipment will be from air conditioning and temporary emergency power equipment, when in use.

Fourth, operation of the additional antennas will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to a level at or above the State Department of Environmental Protection standard. There are no existing antennas on the tower. A worst case calculation at the base of the existing building indicates Metro Mobile's operation would result in a power density level of 0.20126 mW/cm². This power density level is 6.8% of the standard for cellular frequencies (870 to 880 MHz) of 2.92 mW/cm². The level within the top occupied floor of the building is estimated to be 0.00022 mW/cm².

Finally, the Company has received all municipal approvals and building permits necessary for the construction of the equipment room and attachment of antennas. A copy of the building permit is attached.

For the foregoing reasons, Metro Mobile seeks a ruling that its proposed additions to the non-facility tower would not cause a significant change or alteration in the physical and environmental characteristics of the site pursuant to R.C.S.A. Section 16-50j-72(c) (1). The Company further submits that the changes comply with R.C.S.A. Sections 16-50j-72(c), (2) through (5) and therefore request a determination that the placement of the antennas and equipment on the existing non-facility tower site does not constitute a substantial environmental effect under R.C.S.A. Section 16-50j-72(c).

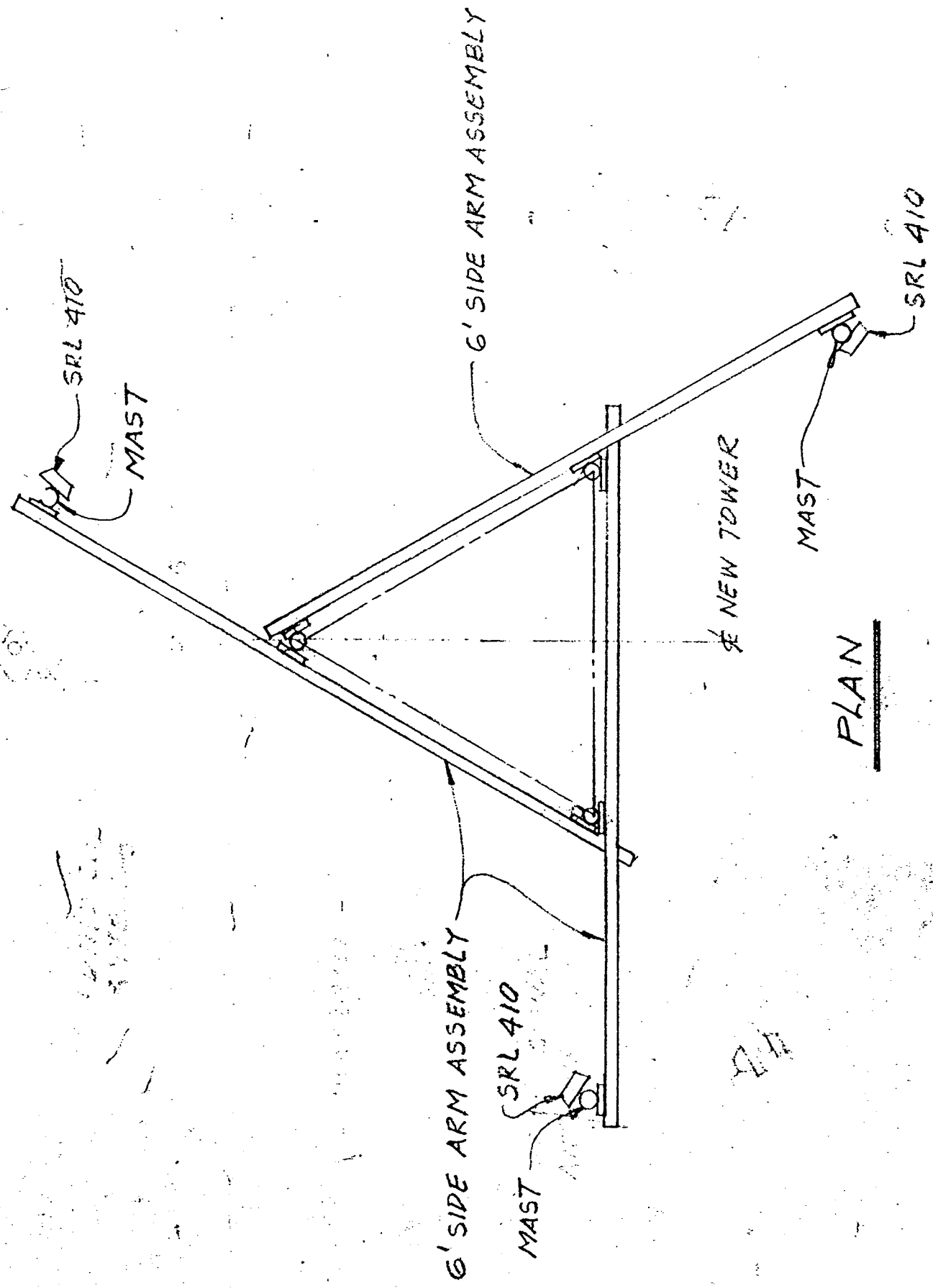
Respectfully yours,



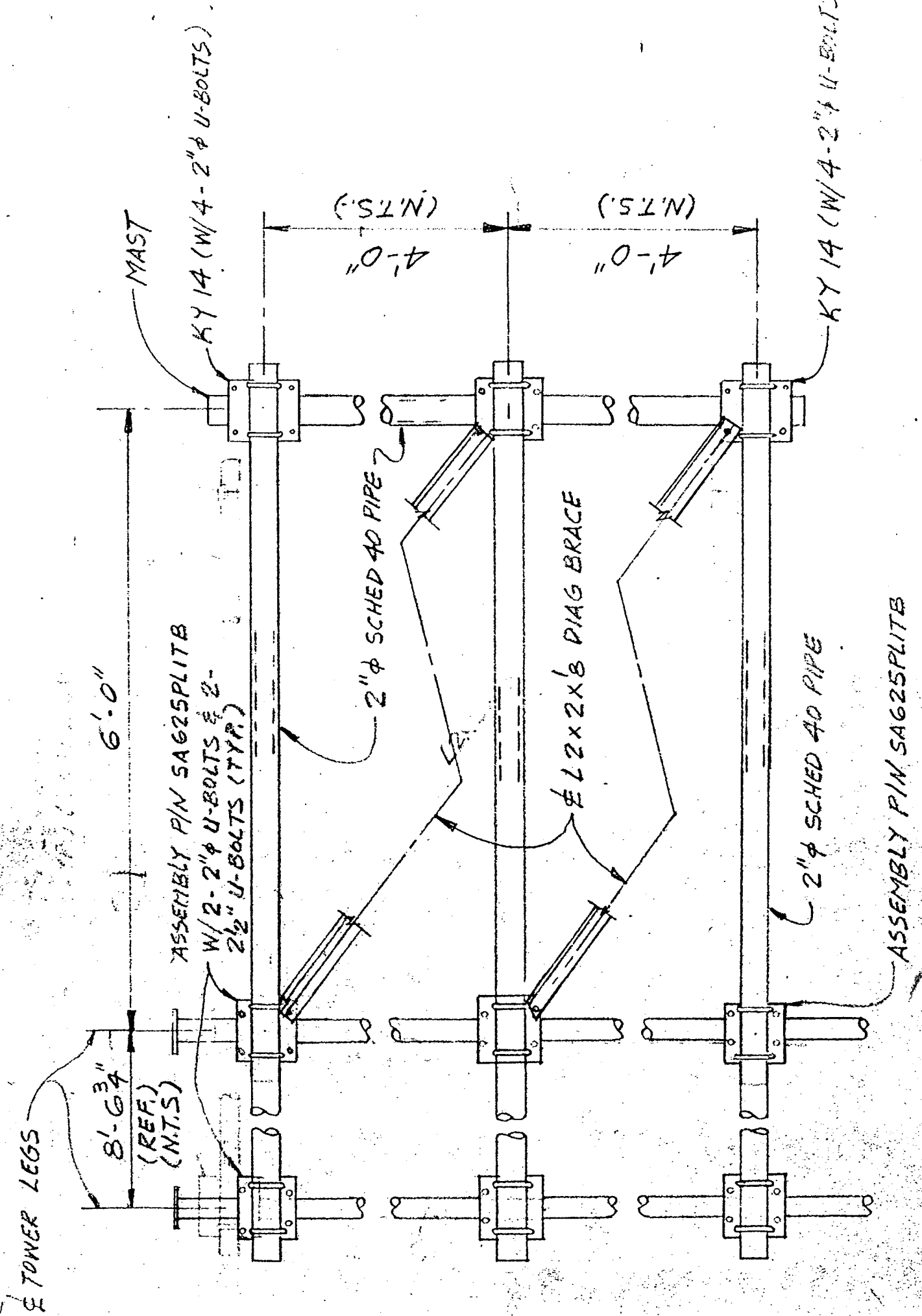
David S. Malko, P.E.
Manager, Engineering and Regulatory Services

Attachments

cc: Mr. William T. Stortz, Mayor of the City of Bristol

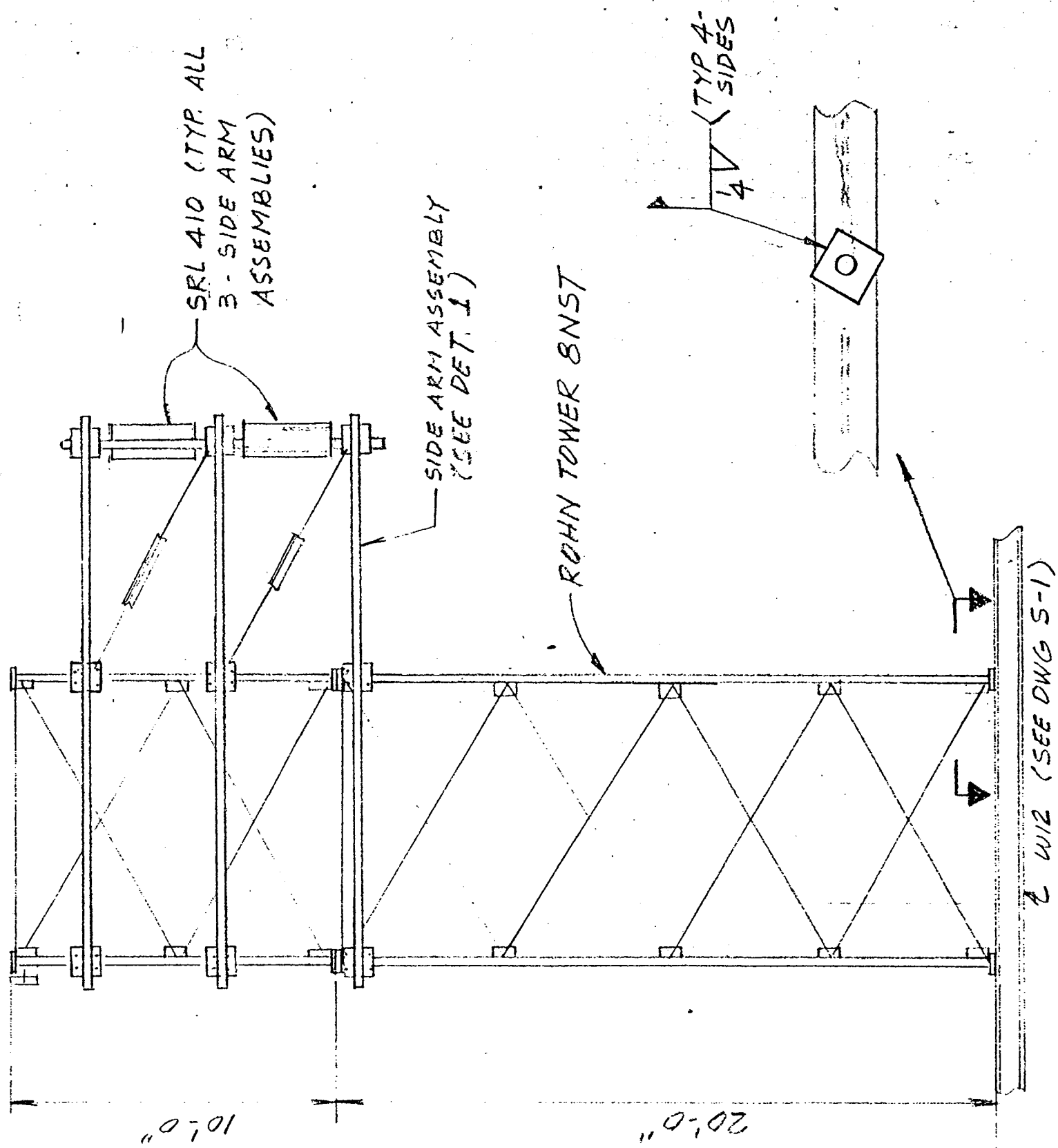


PLAN



6' SIDE ARM ASSEMBLY (3-REQ'D)

DETAIL - I



(LTS)

ELEVATION A-A

1. ALL SIDE ARM MOUNTING HARDWARE PINS ARE ROHN
2. CONTRACTOR TO VERIFY MEASUREMENTS PRIOR TO FABRICATION

(BOLTS)

Spring 8/92
1/28/92

CARPENTER REALTY CO.
32 VALLEY ST. BRISTOL, CONN.

SCALE: 1-28-92	APPROVED BY: <i>[Signature]</i>	DRAWN BY: <i>[Signature]</i>
L & W ENGINEERING		75 SECOND ST
		DUMONT, N.J. 07621
TOWER DETAILS		DRAWING NUMBER: 5-A

102727 Case # 10-00
6-16-92 RECEIVED \$ 455+10

BUILDING DEPARTMENT

Bristol, Connecticut

BUILDING PERMIT NO. № 56961

FROM Mark Gauge
V D'Andrea BLDG. OFFICIAL
PER SW

I HEREBY APPLY FOR A BUILDING PERMIT TO Cellular Telephone service site Bell Atlantic-Metro Mobile DIMENSIONS _____

THE BUILDING CODE AND ZONING ORDINANCE WILL BE COMPLIED WITH WHETHER OR NOT SPECIFIED.

ESTIMATED COST	<u>44,000</u>	ACTUAL COST	_____
OWNER	<u>Carpenter Realty</u>	ADDRESS	<u>10 North Main St</u>
BUILDER	<u>Bell Atlantic-Metro Mobile</u>	ADDRESS	<u>20 Alexander Dr Wallingford</u>
LOCATION	<u>32 Valley St</u>	LOT NO.	_____
		LOT SIZE	_____
DIST. BLDG. TO ST. LINE	_____	FROM N-E-S-W LINE	_____
		REAR	_____
TYPE OF CONSTRUCTION	<u>as per plan</u>	STORIES	_____
		ZONE	_____
SIZE OF RAFTERS	_____	SPACING	_____
		SPAN	_____
SIZE OF JOISTS	_____	SPACING	_____
		SPAN	_____

THE ABOVE STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

ALL WORK SHALL COMPLY WITH THE STATE OF CONNECTICUT BASIC BUILDING CODE AND ANY OTHER APPLICABLE CODES.

SIGNED Mark O Gauge
DATE 6-16-92

PERMIT ISSUED 6-16-92

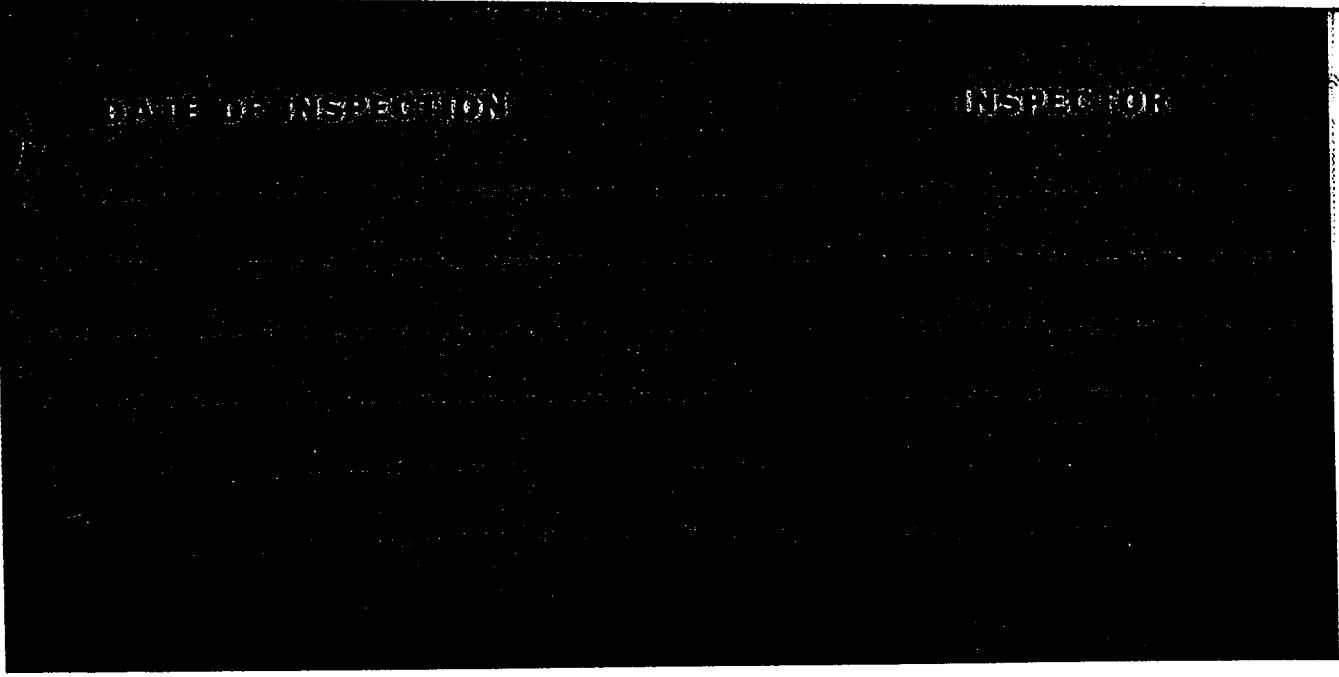
BY Ralph Laurie
BUILDING OFFICIAL

YOUR COPY OF THIS BUILDING PERMIT MUST BE CONSPICUOUSLY DISPLAYED AT SITE OF CONSTRUCTION.

BD-6

DATE OF INSPECTION

INSPECTOR



Bell Atlantic Metro Mobile
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492
203 269-8858

June 26, 1992

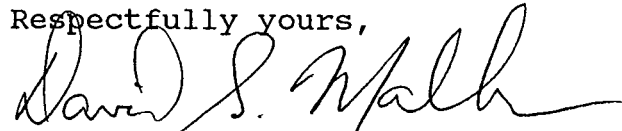
The Honorable William T. Stortz
Office of the Mayor
City Hall
111 North Main Street
Bristol, Connecticut 06010

Dear Mayor Stortz:

Metro Mobile CTS of Hartford, Inc. ("Metro Mobile" or the "Company") plans to install cellular antennas and related equipment on an existing 30' tower structure owned by Carpenter Realty on top of an existing building at 32 Valley Street in Bristol, Connecticut. 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 dated June 26, 1992, as notice of intent of the placement of associated equipment on an existing non-facility tower pursuant to R.C.S.A. Section 16-50j-72(c).

The attached letter fully sets forth Metro Mobile's proposal. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please contact the undersigned at 269-8858, or Mr. Joel M. Rinebold, Executive Director, Connecticut Siting Council at 827-7682.

Respectfully yours,



David S. Malko, P.E.
Manager of Engineering and Regulatory Services

Attachments