



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

April 23, 1987

Ms. Jennifer Gaudet, Attorney
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, Connecticut 06103

RE: Metro Mobile CTS of Fairfield County, Inc., and Cablevision Systems of Southern Connecticut, Limited Partnership, notice of intent to make exempt facility modifications in the Town of Shelton.

Dear Ms. Gaudet:

On April 3, 1987, the Connecticut Siting Council received a notice of intent to construct an exempt facility pursuant to Section 16-50j-72(b) of the Council's Rules of Practice. The exempt facility consists of the installation of cellular antennas and associated equipment on an existing community antenna television tower in the Town of Shelton. The Council acknowledged receipt of this notice at its meeting of April 22, 1987.

Please notify the Council upon the completion of the modifications.

Sincerely,

A handwritten signature in cursive script, appearing to read "Gloria Dibble Pond".

Gloria Dibble Pond
Chairperson

GDP/RKE/kp



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

April 7, 1987

TO: Gloria Dibble Pond
Chairperson
Commissioner John Downey
Acting Commissioner, John Anderson
Owen L. Clark
Fred J. Doocy
Mortimer A. Gelston
James G. Horsfall
William H. Smith

FROM: Robert K. Erling, Siting Analyst *RKE*

RE: Petition No. 180 - Metro Mobile CTS of Fairfield
County, Inc., and Cablevision Systems of Southern
Connecticut, Limited Partnership - Shelton Tower Site.

Enclosed please find a copy of a notice of intent to construct an exempt facility from Metro Mobile CTS of Fairfield County and Cablevision Systems of Southern Connecticut. The above referenced petition has been withdrawn and is replaced by this notice of intent.

RKE/cp

enclosure

cc: Commissioner Boucher
Brian Emerick

ET0098

Byrne, Slater, Sandler, Shulman & Rouse, P.C.

Attorneys at Law
330 Main Street P.O. Box 3216
Hartford, Connecticut 06103

(203) 525-4700
Telecopier (203) 522-4780

RECEIVED

APR 3 1987

April 3, 1987 CONNECTICUT
SITING COUNCIL

Connecticut Siting Council
136 Main Street
Suite 401
New Britain, Connecticut 06051

Attention: John C. Kelly, Executive Director

Re: Cablevision Systems of Southern Connecticut, Limited
Partnership and Metro Mobile CTS of Fairfield County, Inc. -
Notice Pursuant to R.C.S.A. §16-50j-73 of Intent to Install
Cellular Antennas and Equipment

Dear Mr. Kelly:

Metro Mobile CTS of Fairfield County, Inc. ("Metro Mobile") plans to install cellular antennas and related equipment at the existing tower facility owned by Cablevision Systems of Southern Connecticut, Limited Partnership ("Cablevision") in Shelton, Connecticut. Please accept this letter as notice of intent, pursuant to R.C.S.A. §16-50j-73, of construction which constitutes an exempt modification pursuant to §16-50j-72(b) of the Council's Rules of Practice. Metro Mobile and Cablevision hereby withdraw their joint Petition for Declaratory Ruling of March 30, 1987, concerning the Shelton facility.

The existing facility is a 195' guyed community antenna television tower located on a 4.97 acre parcel on Old Kings Highway, near Buddington Road, in Shelton. The proposed modification consists of: a) installing two whip-type transmit antennas; b) installing six reflectorized receive antennas; c) replacing existing guy wires; and d) constructing a prefabricated equipment building, approximately 15 1/2 by 21 feet.

The addition of Metro Mobile's antennas and equipment to the Cablevision facility will form an integral part of Metro Mobile's cellular system for Fairfield County, without the need to construct a new tower.

The addition of the Metro Mobile antennas and equipment to the Cablevision tower site does not constitute a modification as defined in C.G.S. §16-50i(d) because the general physical

characteristics of the Cablevision facility will not be significantly changed or altered. Rather, Metro Mobile's proposed use of the Cablevision facility falls squarely within those activities which explicitly do not constitute a modification to an existing tower, as set forth in R.C.S.A. §16-50j-72(b).

First, the height of the existing tower will be unaffected. All Metro Mobile antennas will be mounted so as not to extend above the top of the tower. The transmit antennas will be mounted at approximately the 150 foot level and will extend downward approximately 11 feet; the receive antennas will be mounted at approximately the 182 foot level and extend upward to the 192 foot level. Cablevision will remove two unused receive antennas from above the 180 foot level on the tower. Exhibit A-1, attached hereto, shows the tower with existing antennas. Exhibit A-2, attached hereto, shows the tower with remaining Cablevision antennas and the proposed Metro Mobile antennas.

Second, the proposed addition will not require the expansion of the fenced area. Metro Mobile will strengthen the tower by replacing existing 7/16" EHS guys at a height of 179 feet with new 1/2" EHS guys and substituting new 9/16" EHS guys at 127 feet for existing 9/16" EHS guys at 119 feet. The new guy wires all will be fastened to the ground at the same point as the existing guy wires. The proposed equipment building will fit within the existing fenced area. Exhibit B, attached hereto, provides a site plan for the facility with the addition of Metro Mobile's antennas and associated equipment.

Third, the proposed addition will not increase noise levels at the existing facility by six decibels or more. Except during construction, the only noise associated with Metro Mobile's equipment will be from air conditioning and stand-by power generation, when in use.

Fourth, Metro Mobile's additional antennas will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to a level at or in excess of .1 mW/cm². The cumulative power density at the base of the tower, within the fenced boundary, will be 0.0071587 mW/cm². The Metro Mobile antennas will contribute 0.0067779 mW/cm² at the base of the tower. Attached hereto as Exhibit C is a calculation of the electromagnetic radio frequency power density at the site, performed by Motorola on behalf of Metro Mobile.

For the foregoing reasons, Metro Mobile and Cablevision respectfully submit that the proposed addition of the Metro Mobile antennas and associated equipment to the existing

Byrne, Slater, Sandler, Shulman & Rouse, P.C.

Cablevision community antenna television facility constitutes an exempt modification as defined in R.C.S.A. §16-50j-72(b).

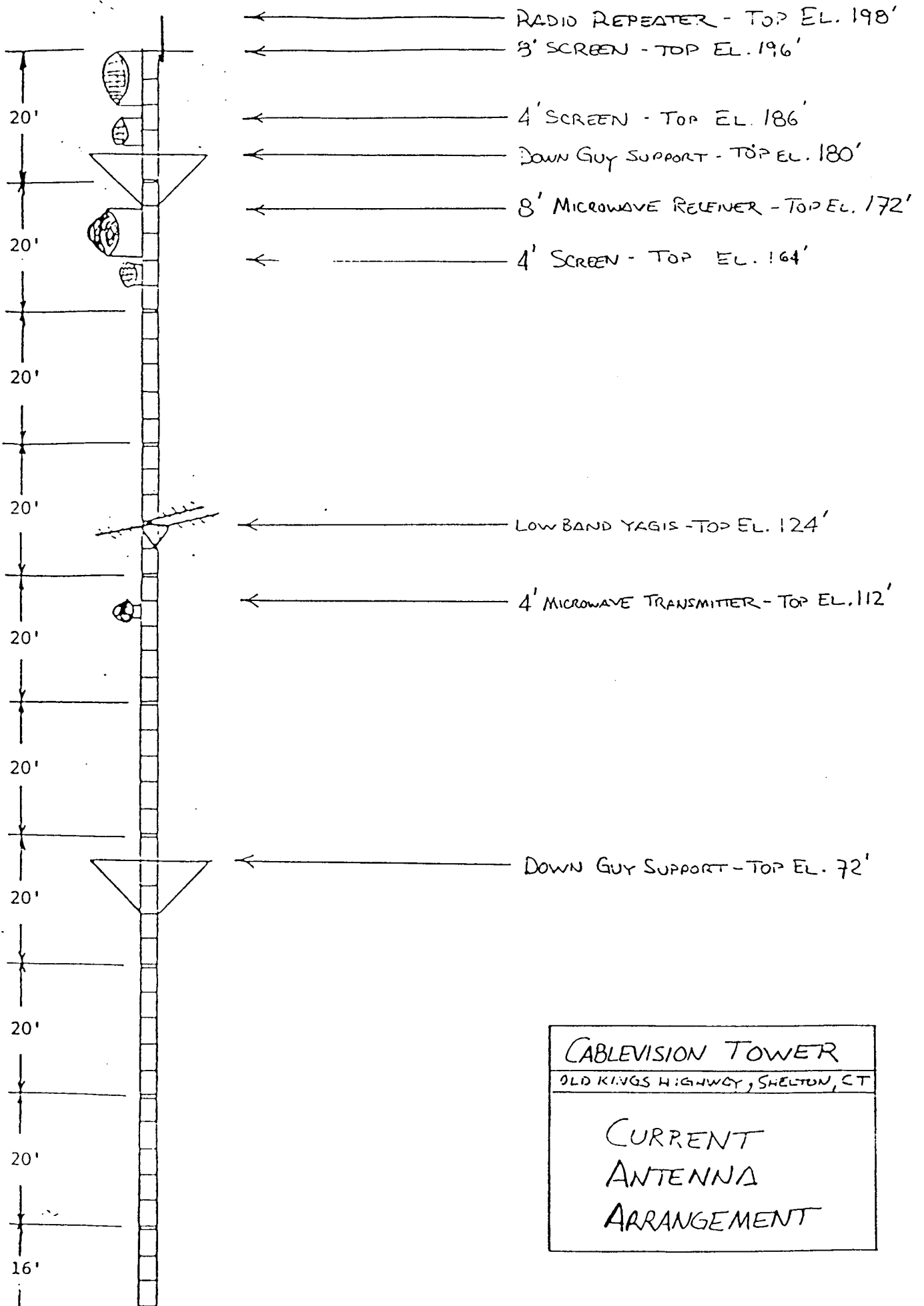
Respectfully yours,

METRO MOBILE CTS OF FAIRFIELD
COUNTY, INC.

CABLEVISION SYSTEMS OF
SOUTHERN CONNECTICUT,
LIMITED PARTNERSHIP

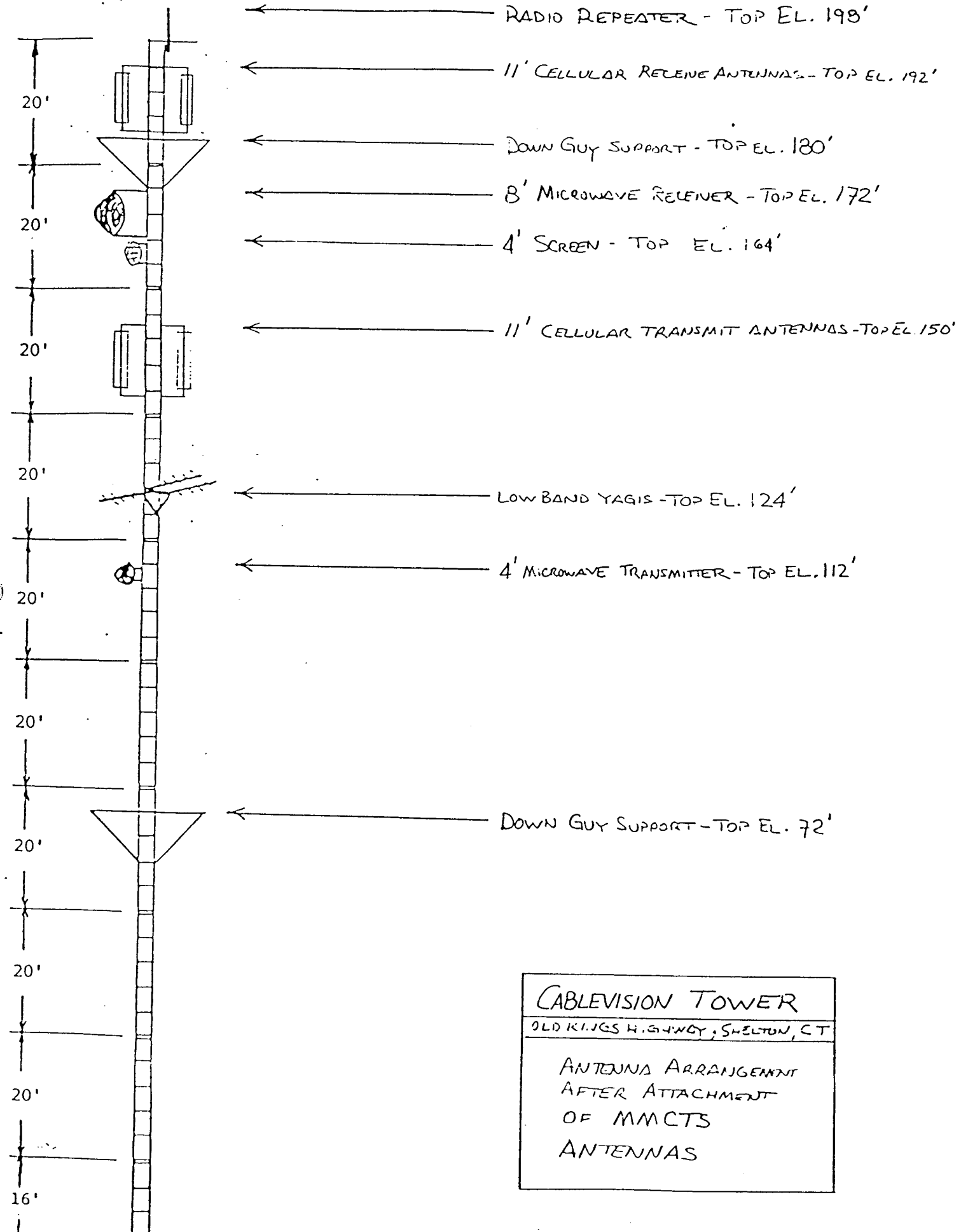
By Jennifer Young Gaudet
Jennifer Young Gaudet
Their Attorney

Enclosures
(42)/37



CABLEVISION TOWER
OLD KINGS HIGHWAY, SHELTON, CT
CURRENT ANTENNA ARRANGEMENT

Exhibit A-2



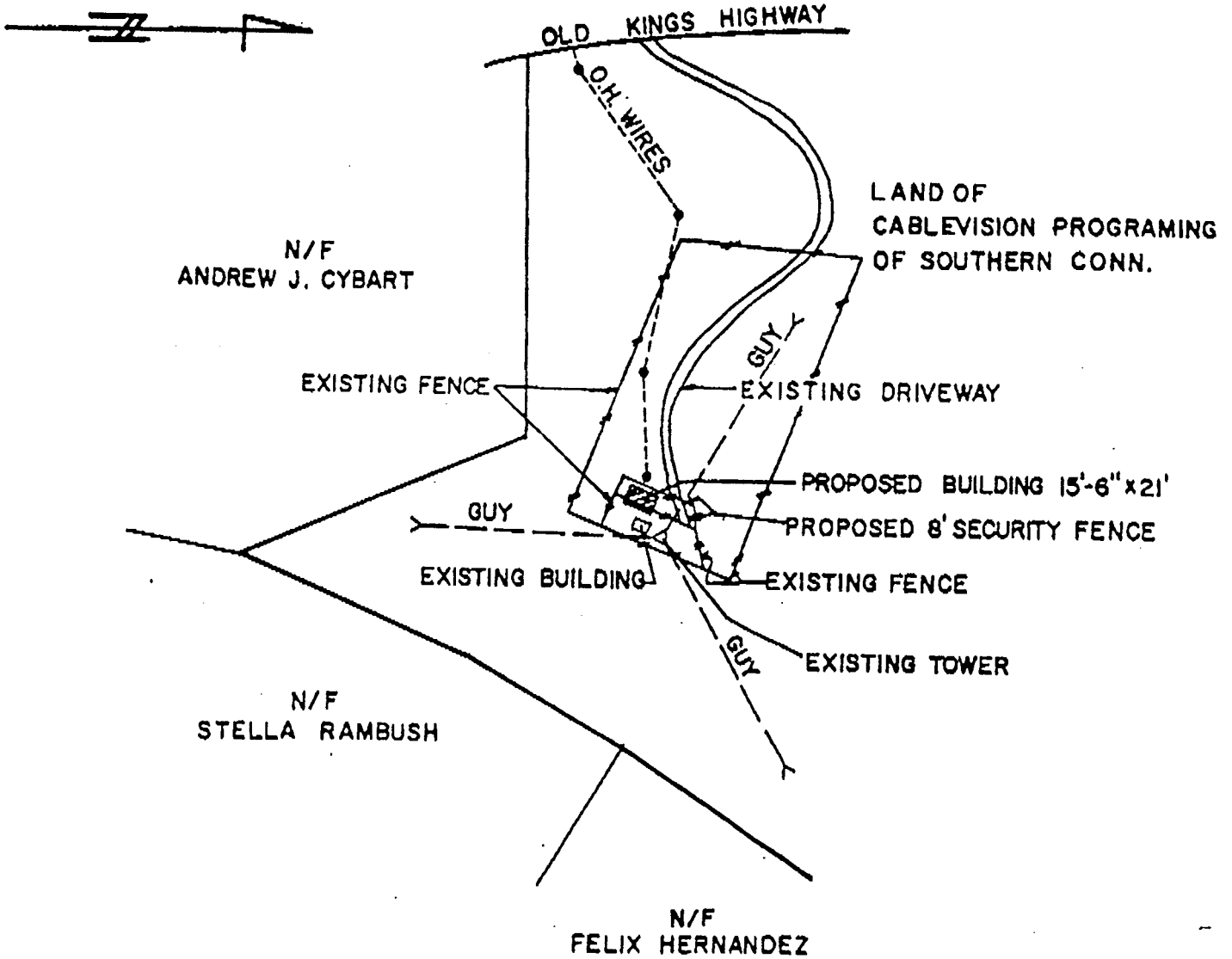
CABLEVISION TOWER
9LD KINGS HIGHWAY, SHELTON, CT
ANTENNA ARRANGEMENT AFTER ATTACHMENT OF MMCTS ANTENNAS

"THIS MAP IS COMPILED FROM OTHER MAPS, LAND DIMENSIONS AND OTHER SOURCES OF INFORMATION, NOT TO BE CONSIDERED AS AN ACCURATE SURVEY AND SUBJECT TO FINAL CHANGES AS A MORE ACCURATE SURVEY MAY DISCLOSE."

Exhibit B

NOTES:

- 1) THIS PLAN IS FOR CONNECTICUT SITING COUNCIL APPLICATION ONLY.
- 2) NO FIELD WORK BY GREINER.
- 3) DETAILED SITE PLAN TO BE PREPARED PRIOR TO CONSTRUCTION.



NO.	DATE	REVISION DESCRIPTION
1	3-11-87	ADDITIONS

I HEREBY CERTIFY THAT THIS MAP AND SURVEY ARE SUBSTANTIALLY CORRECT AND WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS D SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR THE STANDARDS OF ACCURACY OF SURVEYS AND MAPS ADOPTED DECEMBER 30, 1973 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.

RICHARD S. GREINER U.S. NO. 14208

Greiner SURVEYING & MAPPING

28 WALL HUBBARD, CONNECTICUT 06107
SCALE 1" = 100' DATE AUG. 1986

DESIGNED BY M.G.W.	OFFICE M.G.W.	COMPUTED BY H	MAP CHECKED BY H	DRAWN CHECKED BY H
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CONNECTICUT SITING COUNCIL APPLICATION
**EG SHELTON
SITE PLAN**
OLD KINGS HIGHWAY
SHELTON CONNECTICUT



MOTOROLA INC.

March 16, 1987

Mr. Armand Mascioli
50 Rockland Road
South Norwalk, CT 06854

Reference: Fairfield County NECMA Cellular Telephone System

Dear Mr. Mascioli:

In response to your request, as the Cellular system supplier to Metro Mobile CTS Inc., we have performed an analysis of the radio frequency power density which would be radiated at the proposed cellular radio site for the Fairfield County NECMA as shown in the attached.

Our calculations indicate the radiated power at the cell site being considered is well below all accepted standards. By comparison, the U.S. safety standard for this frequency range is 2.9 mW/cm², and has been approved by ANSI (American National Standard Institute) based on the recommendations of organizations such as NIOSH (National Institute for Occupational Safety and Health), the EIA, and the FCC. As radio communications specialists, we look to the above institutions and professional organizations such as the IEEE for guidance in this area.

For this study it was assumed that all antennas radiate with an omnidirectional pattern in both the horizontal and vertical planes, and that all transmitters are on the air simultaneously at maximum power. The assumptions cause the calculated power density at the base of the tower to be higher than would be the case. As you can see, the calculated power density radiated by the proposed sites is several orders of magnitude below the U.S. standards on the side of safety in all cases.

Attached are specific calculations for each site under construction. We hope you will find this information helpful and trust you will contact us if we can be of further assistance.

Very truly yours,

M O T O R O L A, Inc.

A handwritten signature in cursive script that reads "Tim F. Polutnik".

Tim F. Polutnik
Technical Program Manager

TP/tr

March 16, 1987
Mr. Armand Mascioli

POWER DENSITY CALCULATION

1. Shelton

Power density for 10 channels at 100W at 144'	=	0.0067779	mW/cm ²
Power density for 1 channel at 100W at 195'	=	0.0003696	mW/cm ²
Power density for 1 channel at 1W at 112'	=	0.0000112	mW/cm ²
Total Power Density	=	0.0071587	mW/cm ²