

Southern New England Telephone
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone (860) 513-7755
Peter J. Tyrrell

Senior Attorney

RECEIVED

JUN 03 1999

CONNECTICUT
SITING COUNCIL

May 25, 1999

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 an Exempt Tower and Associated Equipment for facilities owned by the Southern New England Telephone Company (SNET) on the West Peak of Meriden MT. Meriden, Connecticut.

The proposed modification can be generally described as the addition of one (1) transmit and one (1) receive vertical antenna units and associated base station equipment for Arrow Bus Lines, Inc. The top of the proposed antennas will be below the top of the existing free standing tower structure. No changes will be made to either the tower structure, the fence surrounding the installation, or any of the existing structures on the site. The base station equipment will be housed inside the existing on site microwave building.

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 counsel for SNET in this matter and in all correspondence from the Council.

Thank you in advance for your cooperation.

Sincerely,

Peter J. Tyrrell

West Peak of Meriden MT. Meriden, 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 Southern New England Telephone Company (SNET) hereby notifies the Connecticut Siting Council that it intends to modify an existing communications facility by permitting the installation of a Two-Way Radio antenna system as specified below to an existing communications tower. This antennas will be owned, operated and maintained by Arrow Bus Lines, Inc. Associated communications hardware will be located on SNET's existing site. The site is located on the West Peak of Meriden MT. Meriden, Connecticut.

Background

The proposed modifications are at the site of a self supporting 143-foot communications tower and two communications equipment shelters. Shelters and the tower are owned and operated by SNET. The tower was formally used as a microwave tower for SNET's telecommunications network, and is currently used as indicated on the power density chart, below. All Microwave antennas were removed from the tower during the month of May, 1998.

Discussion

The highest point at the tip of the receive antenna will measure 140 feet above grade. Lowest point of this antenna will be at 125 feet above grade. The highest point at the tip of the transmit antenna will measure 119 feet above grade. Lowest point of this antenna will be at 105 feet above grade. The power density this antenna contributes at this site is tabulated below. The purpose of this modification is to provide (FCC part 90 Radio Service) vital and routine communications between buses and dispatch points. The make and model number of the proposed antennas are Sinclair SRL-235 VHF Bi-directional. The frequencies used are in the 158.220 to 159.945 MHz. range .

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

<u>Service</u>	<u>Power Density @ Site Boundary</u> mW/cm ²	<u>Power Density @ Tower Base</u> mW/cm ²	<u>Top of Antenna Height (feet)</u>	<u>CT/ANSI Standard</u> mW/cm ²	<u>% of Standard @Site Boundary</u>
PAGENET	0.0305	.0336	130	0.621	4.9
SNET TMRS	0.0086	.0094	135	0.3	2.85
OMNIPOINT PCS	0.0126	0.0139	130	1	1.26
ARROW BUS Antenna #1 Tx	0.0064	0.0073	119	0.2000	3.653
Antenna #2 Rx	0	0	140	0	0
Totals	0.0581	0.0139	----	2.121	12.663

The current Connecticut (and ANSI/IEEE) power density level standards, for non-ionizing radiation, are shown above. 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 a "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. 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, SNET requests that the Council acknowledge that this Notice of Modification meets the Council's exemption criteria

TOP OF HORN/LIGHTNING RING
(143'-0" ABOVE GRADE)

TOP OF TOWER
(125'-0" ABOVE GRADE)

PROPOSED ANTENNAS

RX

HORN ANTENNA REMOVED

PARABOLIC REMOVED

TX

PARABOLICS REMOVED

PARABOLICS REMOVED

PROPOSED CABLES

EXISTING 10' FENCE
EXISTING 8' FENCE

PROPOSED EQUIPMENT LOCATION

EXISTING BUILDING

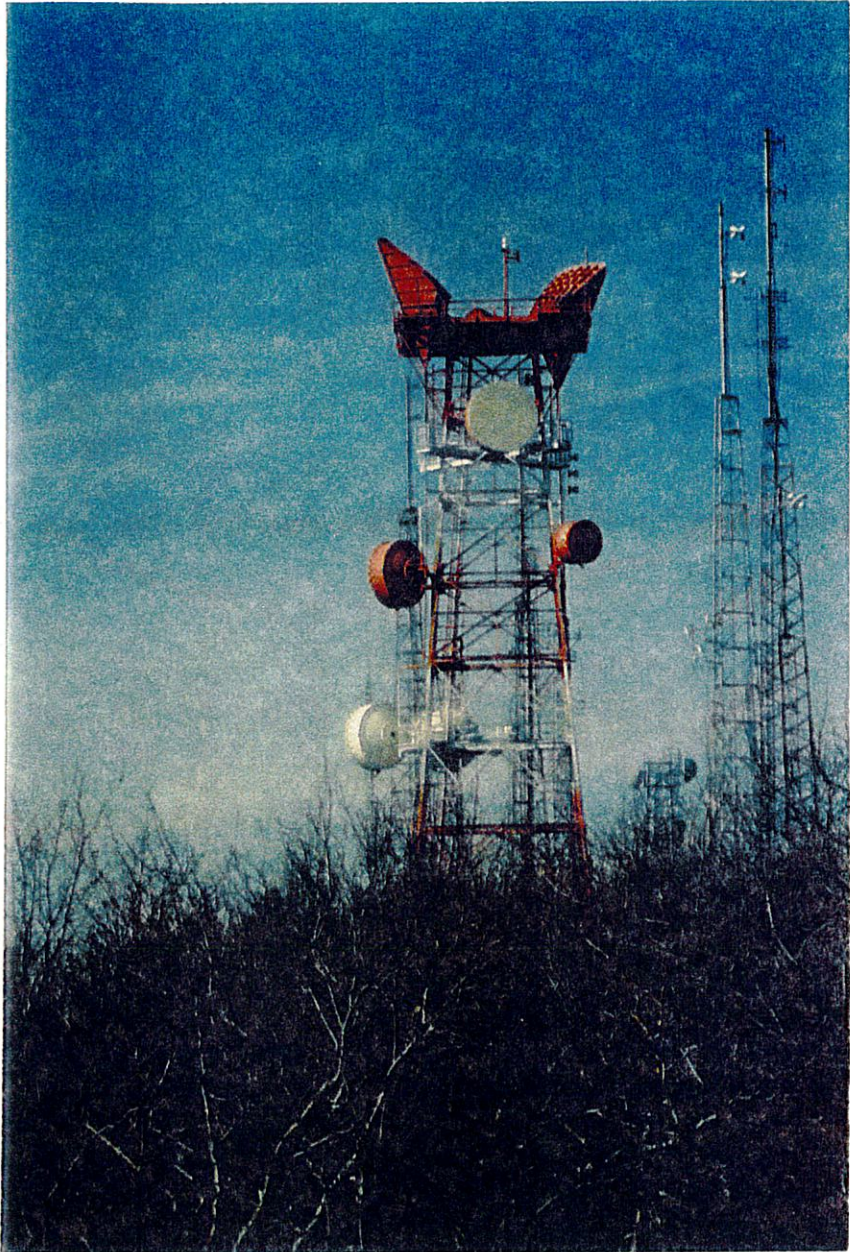
NYC-SNET-MERIDEN.DWG



RCC Consultants, Inc.
100 Woodbridge Center Dr. Woodbridge, NJ 07093

SNET TOWER
WEST PEAK OF MERIDEN MT.
MERIDEN, CT

DRAWN BY: HB DATE: 03/25/88
CHECKED BY: MC SCALE: NTS

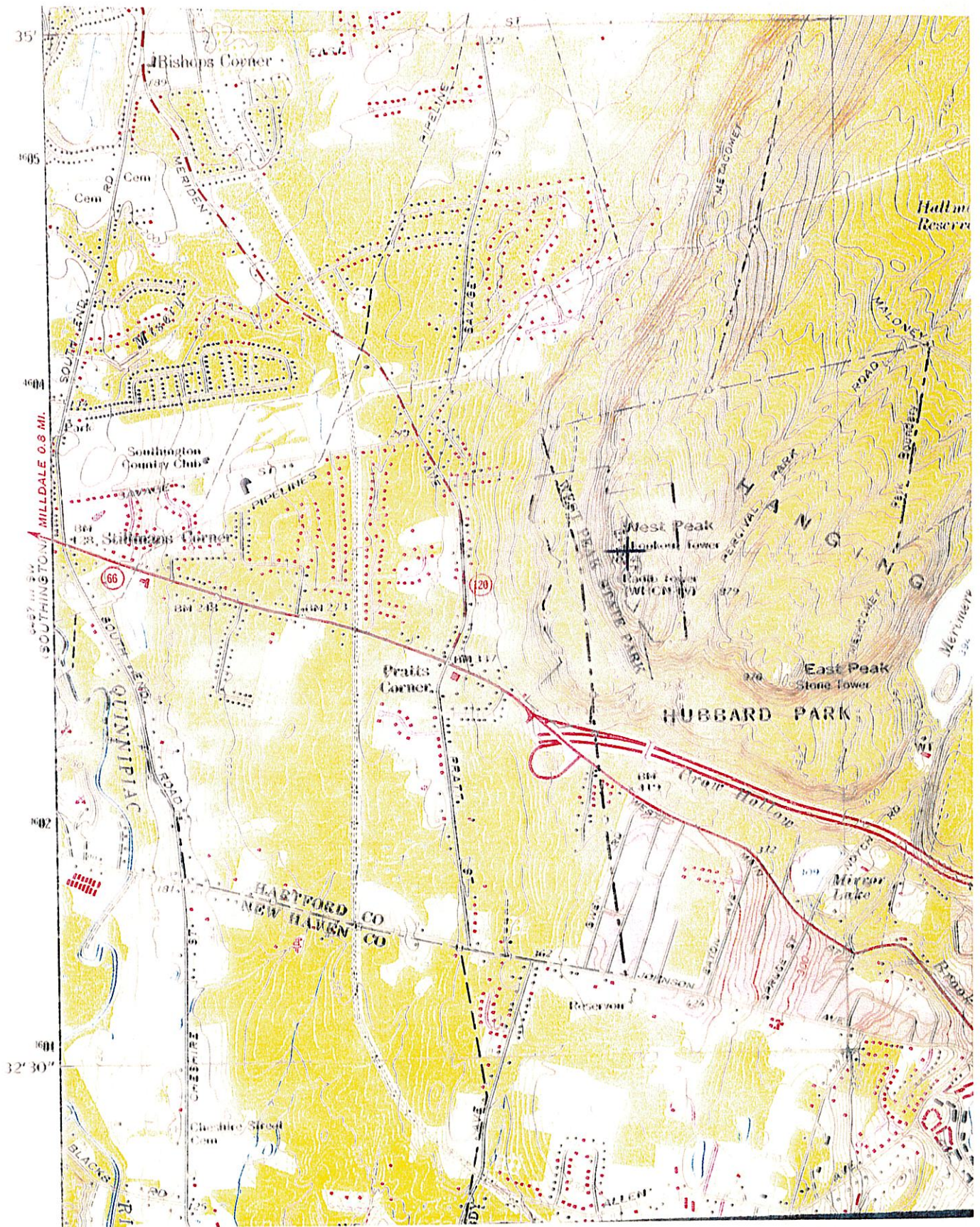




SITE NAME: WEST PEAK - MERIDEN, CT.

ADDRESS: WEST PEAK MTN.

MAP SECTION NAME: MERIDEN, CT.



Meriden West Peak-Meriden, CT.

