



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



May 17, 1985

Ms. Gloria Dibble Pond, Chairperson
Connecticut Siting Council
One Central Park Plaza
New Britain, CT 06051

RECEIVED

MAY 21 1985

CONNECTICUT
SITING COUNCIL

Dear Ms. Dibble Pond:

Enclosed are sixteen copies of a Notice of Intent to erect an exempt telecommunications tower for the multiple use of specific agencies of the State of Connecticut.

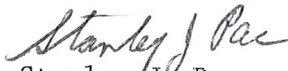
This tower is to be located at Windham Avenue in Colchester with an anticipated height of 320 feet above ground level (AGL), replacing an existing tower of 180 feet AGL.

Please bill the Department of Environmental Protection, Planning and Development Bureau, 165 Capitol Avenue, Room 248, Hartford, CT 06106, for the \$50. filing fee.

If you have any questions or require additional information, please contact Mr. Richard Couch, Director of Planning and Development, Division of Conservation and Preservation in the Department of Environmental Protection, at 566-5026.

Thank you.

Sincerely,


Stanley J. Pac
Commissioner

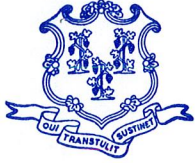
SJP:RD:bc

enc. (16)

Phone: (203) 566-5026

165 Capitol Avenue • Hartford, Connecticut 06106

An Equal Opportunity Employer



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

PHONE: 827-2604

May 22, 1985

Re: Section 16-50v-1 of the Regulations of State Agencies
no fee is required for a Notice of Intent.

per Christopher S. Wood

**NOTICE OF INTENT TO ERECT AN EXEMPT TELECOMMUNICATIONS
TOWER, IN ACCORDANCE WITH CONNECTICUT STATUTE
SECTION 16-50j-83**

I OVERVIEW

The tower facility that is the subject of this notice is an integral part of a microwave radio system that is planned for the cooperative use of the following State agencies:

Department of Environmental Protection

Department of Public Safety, Connecticut State Police

Office of Civil Preparedness

Department of Health Services

A map of the planned system is presented in Exhibit A. The additional microwave sites depicted in Exhibit A will be presented to the Council under separate cover, and will include requests for Certificates of Environmental Compatibility and Public Need, in some instances and Petitions for Declaratory Rulings that Certificates of Environmental Compatibility are not required, in other instances.

II. REASONS FOR CLAIMING EXEMPTION

Exemption is claimed for the proposed 320 foot telecommunications tower at Windham Avenue in Colchester because the tower construction constitutes a major action under the National Environmental Policy Act.

This status exempts the tower from consideration as a facility under Statute Section 16-50j-82(b), which states that a tower shall not constitute a facility if:

"A telecommunications tower the construction of which has been determined by the Federal Communications Commission to constitute a major action within the meaning of the National Environmental Policy Act and for which that Commission has issued a certificate."

The following exhibits are included with this notice:

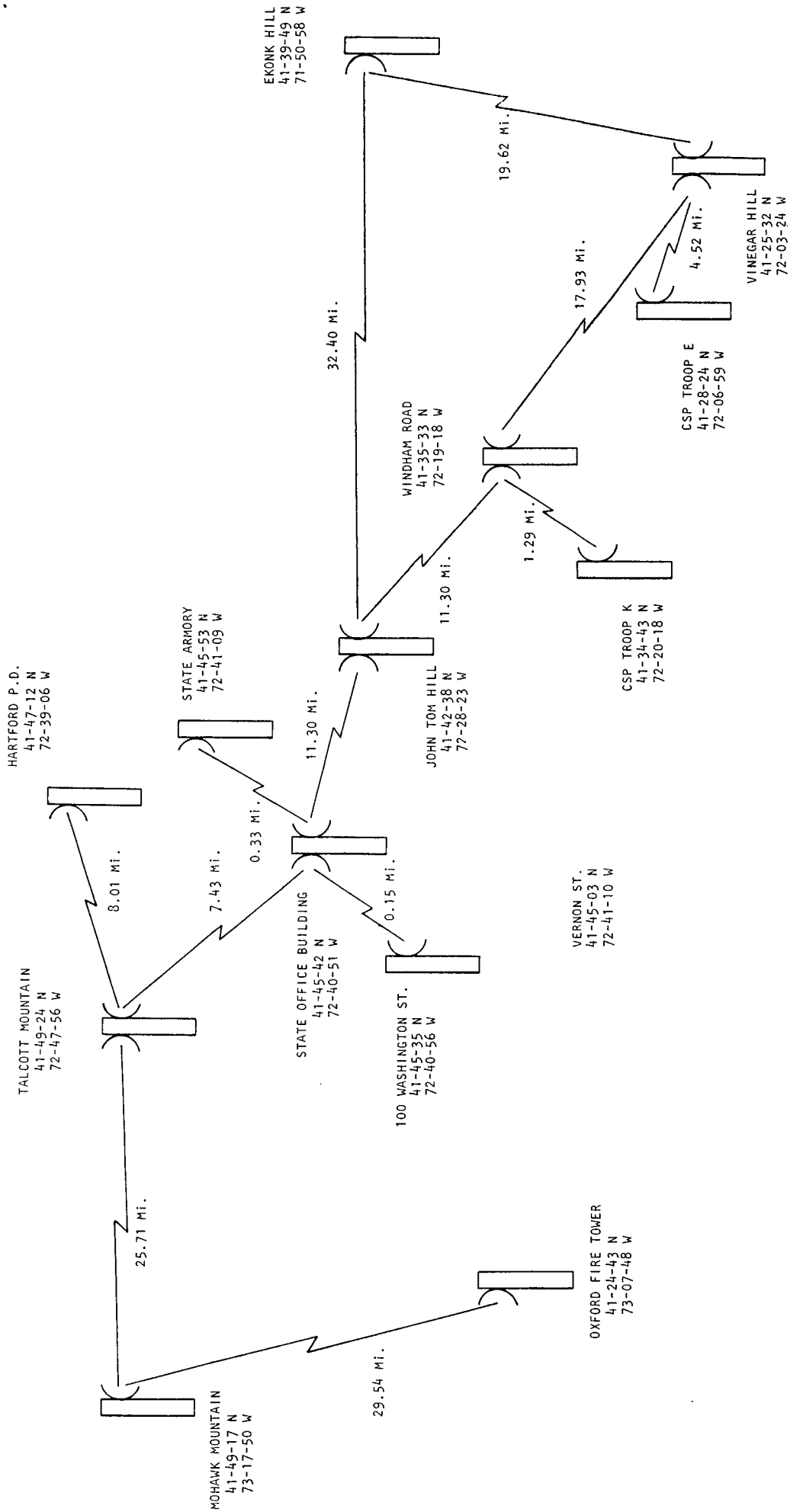
Exhibit B - Federal Communications Commission Certificate (Microwave Radio Station License)

Exhibit C - Application for FCC Microwave Station License including the Statement with Respect to the National Environmental Policy Act of 1969

Exhibit D - Federal Aviation Administration Notice of Proposed Tower Construction

EXHIBIT A

MAP OF PLANNED MICROWAVE SYSTEM



STATE OF CONNECTICUT
MULTI-AGENCY MICROWAVE SYSTEM

SYSTEM MAP
(Not To Scale)

EXHIBIT B

FEDERAL COMMUNICATIONS COMMISSION

CERTIFICATE

(Microwave Radio Station License)



**MICROWAVE
RADIO STATION LICENSE**

CONNECTICUT, STATE OF

CALL SIGN WNEH293	FILE NUMBER 810358	LICENSEE I.D. NO. 002370-000
EFFECTIVE DATE DECEMBER 28, 1984	EXPIRATION DATE DECEMBER 28, 1989	
LOCATION OF TRANSMITTING ANTENNA WINDHAM RD		

CITY COLCHESTER	COUNTY NEW LONDON	STATE CT
ANTENNA PAINTING AND LIGHTING SPECIFICATIONS FORM 715 PARAS. 01.0 03.0 12.0 21.0 22.0		

OVERALL HEIGHT OF ANTENNA STRUCTURE 340 FT	LATITUDE (DMS) 41 35 33 N	LONGITUDE (DMS) 72 19 18 W
--	-------------------------------------	--------------------------------------

TECHNICAL DATA

PATH NO.	FREQUENCY (MHZ)	E R P (dbm)	BEAMWIDTH (DEG)	AZIMUTH (DEG)	HEIGHT TO CENTER OF RADIATING ELEMENT	EMISSION	ANTENNA POLARIZATION	FREQUENCY TOLERANCE %
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001	2133.2000	42.2	7.6	222.0	90 FT	1600F9	V	.00100
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EXHIBIT C

**APPLICATION FOR FCC MICROWAVE
STATION LICENSE AT WINDHAM AVENUE, CT
INCLUDING THE STATEMENT WITH RESPECT TO THE
NATIONAL ENVIRONMENTAL POLICY ACT
OF 1969**

UNITED STATES OF AMERICA
 FEDERAL COMMUNICATIONS COMMISSION
 GETTYSBURG, PA 17325

APPROVED BY OMB
 3060 - 0064
 EXPIRES 9/30/85

APPLICATION FOR LICENSE IN THE PRIVATE OPERATIONAL
 FIXED MICROWAVE RADIO SERVICE

FOR COMMISSION USE ONLY

FILE NUMBER	NEPA <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR DATE OF NEPA PUBLIC NOTICE	SEND TO ASB <input type="checkbox"/> YES <input type="checkbox"/> NO ASB REMARKS
PUBLIC NOTICE REQUIRED <input type="checkbox"/> YES <input type="checkbox"/> NO		

FOR APPLICANT: Use FCC Form 402 Instructions dated June 1982 or later for reference in completing form.

SECTION I - IDENTIFICATION INFORMATION

1. CALL SIGN (if application refers to an existing station) (NEW)	2. LICENSE IDENTIFICATION NUMBER (if previously assigned by the commission)
3A. NAME OF APPLICANT State of Connecticut	4. MAILING ADDRESS (No., street, city, state, ZIP code) Mr. Thomas F. Kirker Bureau of Public Transportation Department of Transportation 24 Wolcott Hill Road Wethersfield, Connecticut 06109
3B. NAME OF PERSON TO CONTACT REGARDING APPLICATION Thomas F. Kirker	
3C. TELEPHONE NO. OF THE CONTACT (203) 566-2336	<input type="checkbox"/> Check here if you are a current licensee and your mailing address, Item 4, IS NOT the address on file with us
5. LOCATION OF STATION RECORDS NO. AND STREET (or other specific indication) 24 Wolcott Hill Road CITY Wethersfield STATE Connecticut	6. TYPE OF APPLICANT (check one) <input type="checkbox"/> (I) INDIVIDUAL <input type="checkbox"/> (A) ASSOCIATION <input type="checkbox"/> (P) PARTNERSHIP <input type="checkbox"/> (C) CORPORATION <input checked="" type="checkbox"/> (G) GOVERNMENTAL ENTITY
7. CLASS OF STATION (enter code from instruction 7) FXØ	8. RULE SECTION UNDER WHICH YOU ARE ELIGIBLE 90.17(a) Local Government

9A. PURPOSE OF APPLICATION

(A) NEW STATION (B) MODIFICATION (SEE 9B & 9C) (C) MODIFICATION WITH RENEWAL (SEE 9B & 9C) (D) ASSIGNMENT OF AUTHORIZATION (E) OTHER (specify)

9B.	PATH	ACTION	OLD VALUE OF KEY ITEMS CHANGED			
	A	<input type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	22	45	46	48
	B	<input type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	22	45	46	48
	C	<input type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	22	45	46	48
	D	<input type="checkbox"/> ADD <input type="checkbox"/> CHANGE <input type="checkbox"/> DELETE	22	45	46	48

9C. DESCRIBE ANY OTHER CHANGES.

10. Will the use of this station be shared by another Party? YES NO If yes, attach the information required by Rule Section 94.17 (see instruction).

SECTION II - ANTENNA INFORMATION

11. LOCATION OF TRANSMITTING ANTENNA STRUCTURE

A. NUMBER AND STREET (or other specific indication) Windham Road		
B. CITY Colchester	C. COUNTY New London	D. STATE Connecticut
E. COORDINATES		
LATITUDE (degrees, minutes, seconds) 41-35-33 NORTH		LONGITUDE (degrees, minutes, seconds) 72-19-18 WEST

12A. Is the antenna to be mounted on an existing antenna structure? YES NO If yes, answer items 12B, C, D and E.

12B. Will the antenna increase the height of the existing structure? YES NO If yes, by how many feet?

SECTION II - ANTENNA INFORMATION (continued)

12C. NAME OF CURRENT LICENSEE USING STRUCTURE
Connecticut State Police

12D. CURRENT LICENSEE'S RADIO SERVICE
Police Radio Service

12E. CURRENT LICENSEE'S CALL SIGN
KCA791

13. For antenna towers (or poles) mounted on the ground

Enter the overall height above ground of the entire antenna (or pole) including all antennas, dishes, lightning rods, obstruction lighting, etc., mounted on it..... FEET
340

14. For antennas or antenna towers (or poles) mounted on a supporting structure such as a building, water tower, smoke stack, etc.

A. What is the overall height above ground of this supporting structure? Include in this height any elevator shafts, penthouses, lightning rods, lights, etc. which are not a part of the antenna tower (or pole)..... FEET
DNA

B. How many feet does the antenna tower (or pole) (including all antennas, dishes, lightning rods, lights, etc.) increase the height of the supporting structure in Item 14A? If this antenna or antenna tower (or pole) does not increase the height of the supporting structure, enter zero (0)..... FEET
DNA

C. What is the overall height above ground of this supporting structure plus the antenna tower (or pole)?..... FEET
14A + 14B = 14C
DNA

16. Give the ground elevation above mean sea level at the antenna site FEET
592

16A. NAME OF NEAREST AIRCRAFT LANDING AREA
SKI (Private)

16B. DIRECTION AND DISTANCE TO NEAREST RUNWAY
South, 2.25 miles

17A. Has notice of construction been filed with the FAA on FAA Form 7460-1? If "Yes", answer Items 17B, C, and D. See attached copy of Form 7460-1 YES NO

17B. NAME UNDER WHICH YOU FILED
State of Connecticut

17C. FAA REGIONAL OFFICE (city)
Burlington, MA

17D. DATE FILED
02/26/84

18. Would a Commission grant of this application be a major action as defined by Section 1.1306 of the FCC's Rules? See instruction 18, if you answer yes, submit the statement required by rule Section 1.1311. See Attached YES NO

19. If this is an existing station, enter the year it was first licensed DNA.....

20. Location of the first passive repeater (PR1), if any, on each transmission path originating at this station. Reference each location with the Letter of the column which contains the frequency (Item 22) transmitting to this location. This is the PR1 mentioned in Items 62-72. See instruction 20.

A. NUMBER AND STREET (or other specific indication)
DNA

B. CITY

C. COUNTY

D. STATE

21. Location of second passive repeater (PR 2), if any, on each transmission path. This item is to be used only if there are two passive repeaters on the same transmission path. Reference this item with the appropriate column letter as in item 20. (See instruction 21B).

A. NUMBER AND STREET (or other specific indication)
DNA

B. CITY

C. COUNTY

D. STATE

SECTION III - TECHNICAL INFORMATION

NAME OF ITEM	A	B	C	D
22. Frequency (MHz)	2133.20			
23. Emission	1600F9			
24. Type of Message Service	ANA			
25. Initial Baseband Channel Loading	57			
26. 5 yr. Projected Baseband Channel Loading	96			
27. 10 yr. Projected Baseband Channel Loading	96			
28. Pre-emphasis (enter Yes or No)	YES			

TRANSMITTER INFORMATION

29. Transmitter Make	Motorola			
30. Transmitter Model (Type acceptance number)	CC6001			
31. FCC Use Only				
32. Transmitting Operating Frequency Tolerance (%)	0.001			
33. Maximum Transmitter Output Power (WATTS)	0.23			
34. Mfg's Guaranteed Transmitter Output Power (WATTS)	0.09			

TRANSMITTER INFORMATION (CONT'D)

NAME OF ITEM	A	B	C	D
35. Transmitter Median Output Power (WATTS)	0.11			
36. Transmission Line Loss (dB)	4.68			
37. Antenna Make	Andrew			
38. Antenna Model	P4F-21C			
39. FCC USE ONLY				
40. Antenna Gain (dBi) - radome loss	26.5			
41. Effective Radiated Power (dBm)	+42.23			
42. Beam Width (degrees)	7.6			
43. Type and Size of Antenna	PA 4			
44. Height to Center of Final Radiating Element (Ft)	90			
45. Polarization	V			
46. Azimuth to Next Station or Passive Repeater No.1(PR1)	222.03			
47. Path Length to Next Station or PR 1 (miles)	1.29			

RECEIVE SITE INFORMATION

NAME OF ITEM	A	B	C	D
48. Receiving Station's Call Sign				
49. Path Loss (dB)	105.46			
50. Receiving Antenna Make	Andrew			
51. Receiving Antenna Model	P4F-21C			
52. FCC USE ONLY				
53. Receiving Antenna Gain (dBi) - radome loss	26.5			
54. Receiver Make	Motorola			
55. Receiver Model	MRG1000A			
56. FCC USE ONLY				
57. Median Received Signal Level At Input to the Receiver (dBm)	-41.71			
58. Latitude N (degrees, minutes, seconds)	41-34-43			
59. Longitude W (degrees, minutes, seconds)	72-20-18			
60. Ground Elevation AMSL (Ft)	402			
61. Height to Center of Receiving Antenna (Ft)	98			

PASSIVE REPEATER NO. 1 INFORMATION (IF ANY)

→ If you have two passive repeaters on the same transmission path, check this box and answer items 62 - 72 on a separate sheet of paper for the second passive repeater.

NAME OF ITEM	A	B	C	D
62. Latitude N (degrees, minutes, seconds)				
63. Longitude W (degrees, minutes, seconds)				
64. Ground Elevation AMSL (Ft)				
65. Overall Height of PR 1 Structure Above Ground (Ft)				
66. Passive Repeater Make				
67. Passive Repeater Model				
68. Dimensions (Ft x Ft) or Beamwidth (for dishes)				
69. Height Above Ground to Center of PR 1 (Ft)				
70. Polarization				
71. Path Length From PR 1 to Next Station (Miles)				
72. Azimuth from PR 1 to Next Station (degrees)				

SECTION IV CERTIFICATION

READ CAREFULLY BEFORE SIGNING

Certification: 1. The applicant waives any claim to the use of any particular frequency or of the ether because of previous use of same whether by license or otherwise. 2. The applicant accepts full responsibility for the operation and control of the requested station licensed in accordance with applicable law and rules of the FCC. 3. The applicant will have unlimited access to and control of the radio equipment and will take effective measures to prevent its use by unauthorized persons. 4. Neither applicant nor any member thereof is a foreign government or representative thereof.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ATTACHMENTS ARE PUNISHABLE BY FINE AND IMPRISONMENT
U.S. CODE TITLE 18 SECTION 1001

TYPED NAME Thomas F. Kirker	TITLE Regional Transit Manager
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SIGNATURE of individual, partner, official of a government entity, authorized representative of a corporation, or officer who is also a member of the association	DATE
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**STATEMENT WITH RESPECT TO
NATIONAL ENVIRONMENTAL POLICY ACT OF 1969**

This application is a "Major Action" as defined by Section 1.1305 of the Commission's Rules. Therefore, the following environmental information is submitted as required by FCC Rules Section 1.1311 regarding the proposed construction of an antenna tower at Colchester, Connecticut.

The State of Connecticut (applicant) proposes to construct a self-supporting antenna tower of triangular cross section having an overall height above ground level of 340 feet, including all appurtenances. The structure is designed to support various land mobile radio and microwave antennas for operation in the Public Safety Radio Services and the Private Operational Fixed Microwave Service. The proposed construction will replace an existing 180-foot guyed monopole antenna structure owned by the applicant. The monopole structure will be dismantled immediately following erection of the replacement tower.

The tower site is located in a rural area adjacent to Windham Avenue, 0.9 miles north of the intersection with State Road 16 in the Town of Colchester, Connecticut. The site is currently owned and operated by the applicant and has been in operation for several years. The site was selected on the basis of location with respect to desired land mobile radio coverage and point-to-point microwave paths, ground elevation, minimal site preparation cost, and availability. Access roads are established and power distribution lines currently serve the site. With the exception of enlargement of the existing equipment building and construction of the proposed tower, itself, no physical modifications to the site or surrounding areas will be required.

The proposed construction has not been a source of controversy or discussion on environmental grounds in the local community and no adverse environmental effects are anticipated. There are no proceedings before zoning, planning, environmental or other state, local or federal authorities on matters relating to the environmental effect of the tower construction. The site is not known to have any particular scenic, cultural, historical, architectural, archeological or recreational value.

EXHIBIT D

**FEDERAL AVIATION ADMINISTRATION
NOTICE OF PROPOSED CONSTRUCTION
OF WINDHAM AVENUE TOWER**

DO NOT REMOVE CARBONS

Form Approved O.M.B. No. 04-R0001

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			FOR FAA USE ONLY																										
NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION			AERONAUTICAL STUDY NO.																										
1. NATURE OF STRUCTURE																													
A. TYPE <input checked="" type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> ALTERATION	B. CLASS <input checked="" type="checkbox"/> PERMANENT <input type="checkbox"/> TEMPORARY	C. PROPOSED LENGTH OF TIME TO COMPLETE (Months) 12 months (Est.)	FAA will either return this form or issue a separate acknowledgement. A. The proposed structure: <input type="checkbox"/> Does not require a notice to FAA. <input type="checkbox"/> Would not exceed any obstruction standard of Part 77 and would not be a hazard to air navigation. <input type="checkbox"/> Should be obstruction <input type="checkbox"/> marked <input type="checkbox"/> lighted per FAA Advisory Circular 70/7460-1, Chapter(s) _____ <input type="checkbox"/> Obstruction marking and lighting are not necessary. <input type="checkbox"/> Requires supplemental notice. Use FAA form enclosed. B. FCC <input type="checkbox"/> was <input type="checkbox"/> was not advised.																										
2. NAME AND ADDRESS OF INDIVIDUAL, COMPANY, CORPORATION, ETC. PROPOSING THE CONSTRUCTION OR ALTERATION (Number, Street, City, State and Zip Code) State of Connecticut Department of Public Safety TO Division of State Police Attn: Capt. Ronald Mikulka P.O. Box 780 Hartford, CT 06101																													
3. COMPLETE DESCRIPTION OF STRUCTURE (Include effective radiated power of proposed or modified AM, FM or TV station and assigned frequency; size and configuration of power transmission line in vicinity of FAA facilities as appropriate). Self-supporting triangular communications tower, 320' structural height above ground with 20' antenna on top (340' AGL total). Tower will be used for Police and Local Government land-mobile communications, and an operational fixed microwave control link in the 2.1 - 2.3 GHz band. No broadcast facilities will be used at this site. The tower will replace an existing 200' guyed monopole tower at the same site (180' + 20' antenna).																													
4. LOCATION OF STRUCTURE <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3">A. COORDINATES (To nearest second)</td> <td colspan="3">B. NEAREST CITY OR TOWN, AND STATE</td> </tr> <tr> <td style="text-align: center;">LATITUDE</td> <td colspan="2"></td> <td style="text-align: center;">LONGITUDE</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">41° 35' 33"</td> <td style="text-align: center;">72° 19' 18"</td> <td colspan="2" style="text-align: center;">Colchester, Connecticut</td> <td style="text-align: center;">(1) DISTANCE FROM 4B</td> <td style="text-align: center;">(2) DIRECTION FROM 4B</td> </tr> <tr> <td colspan="3"></td> <td style="text-align: center;">1.0 MILES</td> <td colspan="2" style="text-align: center;">NNE</td> </tr> </table>						A. COORDINATES (To nearest second)			B. NEAREST CITY OR TOWN, AND STATE			LATITUDE			LONGITUDE			41° 35' 33"	72° 19' 18"	Colchester, Connecticut		(1) DISTANCE FROM 4B	(2) DIRECTION FROM 4B				1.0 MILES	NNE	
A. COORDINATES (To nearest second)			B. NEAREST CITY OR TOWN, AND STATE																										
LATITUDE			LONGITUDE																										
41° 35' 33"	72° 19' 18"	Colchester, Connecticut		(1) DISTANCE FROM 4B	(2) DIRECTION FROM 4B																								
			1.0 MILES	NNE																									
C. NAME OF NEAREST AIRPORT, HELIPORT, OR SEAPLANE BASE SKI (private)		(1) DISTANCE FROM NEAREST POINT OF NEAREST RUNWAY 2.25 miles		(2) DIRECTION FROM AIRPORT North																									
D. DESCRIPTION OF LOCATION OF SITE WITH RESPECT TO HIGHWAYS, STREETS, AIRPORTS, PROMINENT TERRAIN FEATURES, EXISTING STRUCTURES, ETC. (Attach a highway, street, or any other appropriate map or scaled drawing showing the relationship of construction site to nearest airport(s). If more space is required, continue on a separate sheet of paper and attach to this notice.) See attached map (portion of Colchester, Connecticut 7.5 min. quadrangle). SKI private airport not shown on Colchester quadrangle, but has been noted on New York Sectional Aeronautical Chart (1:500,000).																													
5. HEIGHT AND ELEVATION (Complete A, B and C to the nearest foot)				6. WORK SCHEDULE DATES																									
A. ELEVATION OF SITE ABOVE MEAN SEA LEVEL		592		A. BEGINNING																									
B. HEIGHT OF STRUCTURE INCLUDING APPURTENANCES AND LIGHTING (if any) ABOVE GROUND, OR WATER IF SO SITUATED		340		1/1/85 (Est.)																									
C. OVERALL HEIGHT ABOVE MEAN SEA LEVEL (A + B)		932		B. END																									
				2/28/85 (Est.)																									
7. OBSTRUCTION MARKED AND/OR LIGHTED IN ACCORDANCE WITH CURRENT FAA ADVISORY CIRCULAR 70/7460-1, OBSTRUCTION MARKING AND LIGHTING			A. MARKED		YES																								
			B. AVIATION RED OBSTRUCTION LIGHTS		NO																								
			C. HIGH INTENSITY WHITE OBSTRUCTION LIGHTS		X																								
			D. DUAL LIGHTING SYSTEM		X																								
I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge.																													
DATE 2/26/84	TEL. NO. (Give area code) (904) 386-3180	TYPED NAME/TITLE OF PERSON FILING NOTICE Gerald M. Kessler, Vice Pres. OMNICON, Inc.		SIGNATURE 																									
Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willfully violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).																													

COLCHESTER QUADRANGLE
CONNECTICUT
7.5 MINUTE SERIES (TOPOGRAPHIC)

TOWER SITE
N LAT: 41-35-33
W LNG: 72-19-18

