



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC SAFETY

1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294

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

April 14, 1994

RECEIVED
APR 14 1994

**CONNECTICUT
SITING COUNCIL**


RE: CTS SITE NO. 66 STORRS

Dear Chairman Gelston:

Enclosed please find an original and 20 copies of
a Notice of Intent to erect exempt telecommunications
associated equipment pursuant to Council Reg. Sec. 16 -
50j - 73 for Council review.

The Siting Council's acknowledgment of this
Notice would be appreciated.

Sincerely,


George L. Davis
Public Safety Engineer
of Telecommunications

GLD:sc

cc: P. Seaha
Aeroflex
File

STATE OF CONNECTICUT

SITING COUNCIL

RECEIVED
APR 14 1994

**CONNECTICUT
SITING COUNCIL**

Notice of Intent to Erect Exempt
Telecommunications Associated Equipment

Pursuant to Connecticut General Statute 16-50g et. Seq. and Section 16-50j-73 of the Regulations of the Connecticut Siting Council, the Division of State Police hereby gives notice of its intent to erect telecommunications associated equipment at the WHUS Radio Station Telecommunications facility located on the Campus of the University of Connecticut in Storrs, Connecticut.

The site is currently occupied by an existing, active 200 foot three legged, guyed lattice type telecommunications tower. The University of Connecticut Radio Station (WHUS) is currently proposing to replace the 200 foot tower with a 320 foot four legged, guyed lattice type telecommunications tower. The 200 foot tower will be dismantled and removed from the site. When that construction is complete the Division of State Police proposes to retain the tower without change, and add an equipment shelter, generator, enclose the shelter with a chain link fence, and place a gravel cover within the enclosed area as generally depicted in the Site Plan Drawing 066-200 attached in Attachment A. Equipment on the existing tower includes 9 antennas: 5 whip, 2 yagi, 1

four-dipole array, and 1 dipole. The users are Pagnet, International Business Machines, Metro Media Paging, Connecticut Public Broadcasting, and University of Connecticut, WHUS Radio Station. At present, The Division of State Police intends to add 12 additional antennas: 4 panel, 4 whip, and 4 dish with radome antennas. The user of these antennas will be the Division of State Police as shown in the Site Elevation Drawing 006-510 attached in attachment B. The near term projected maximum loading specifications are listed in Attachment C. This project is part of a Division of State Police effort to upgrade its equipment and implement a modern Connecticut Telecommunications System (CTS) for Troopers and public safety, and to share tower space with other users.

The Division of State Police believes that this project is exempt from the need to obtain a Certificate of Environmental Compatibility and Public Need pursuant to Siting Council Reg. Sec. 16-50j-72(b) for the following reasons:

1. Existing Tower Site

The proposed location is currently occupied by a two hundred (200) foot three legged, guyed lattice type Telecommunications tower and equipment shelter, actively utilized as a Telecommunications facility.

2. Site Boundaries

As depicted on the attached Site Plan (Attachment A) the tower site property boundaries will not be extended. No tree cutting or extensive grading will be conducted at this site for this project.

3. Tower Height

The proposed 4 legged, guyed lattice type tower will be retained. The height of the proposed tower will be 290 feet with an antenna mounted at its top reaching 30 feet for an overall height of three hundred twenty (320)

4. Noise Levels

The proposed project will not increase noise levels at the existing facility by six decibels or more. Except during construction, the only noise associated with Division of State Police equipment will be from air conditioning and stand-by power generator, when in use.

5. Radiation Power Density

The radio sending or receiving capability of the facility will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard considered by the State Department of Environmental Protection (DEP).

Although the State DEP is in the process of promulgating standards, it is authorized to adopt the standards recommended by the American National Standards Institute

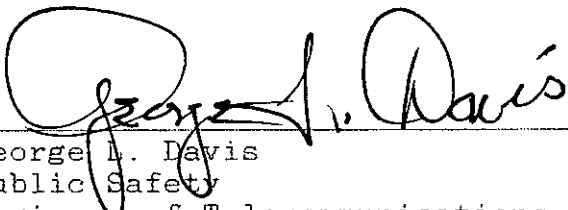
(ANSI). The current ANSI standard applicable to the proposed Division of State Police proposed project and the total radio frequency electromagnetic radiation power density calculated for the proposed tower site boundary are set forth in Attachment D.

CONCLUSION

For all of the above stated reasons, the Division of State Police requests the Siting Council to rule that this notice is in compliance with the exception criteria for changes to an existing facility pursuant to Reg. Sec. 16-50j-72(b)

Dated at Meriden, CT, This 14TH Day of APRIL,
1994

by:


George L. Davis
Public Safety
Engineer of Telecommunications
P.O. Box 2794
Middletown, CT 06457-9294

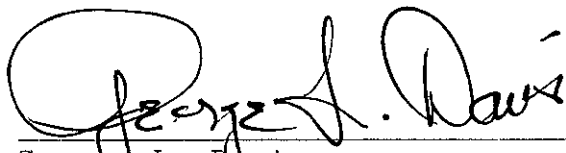
CERTIFICATION

The undersigned hereby certifies that a copy of the foregoing notice of Intent to Erect exempt Telecommunications Associated Equipment was mailed this

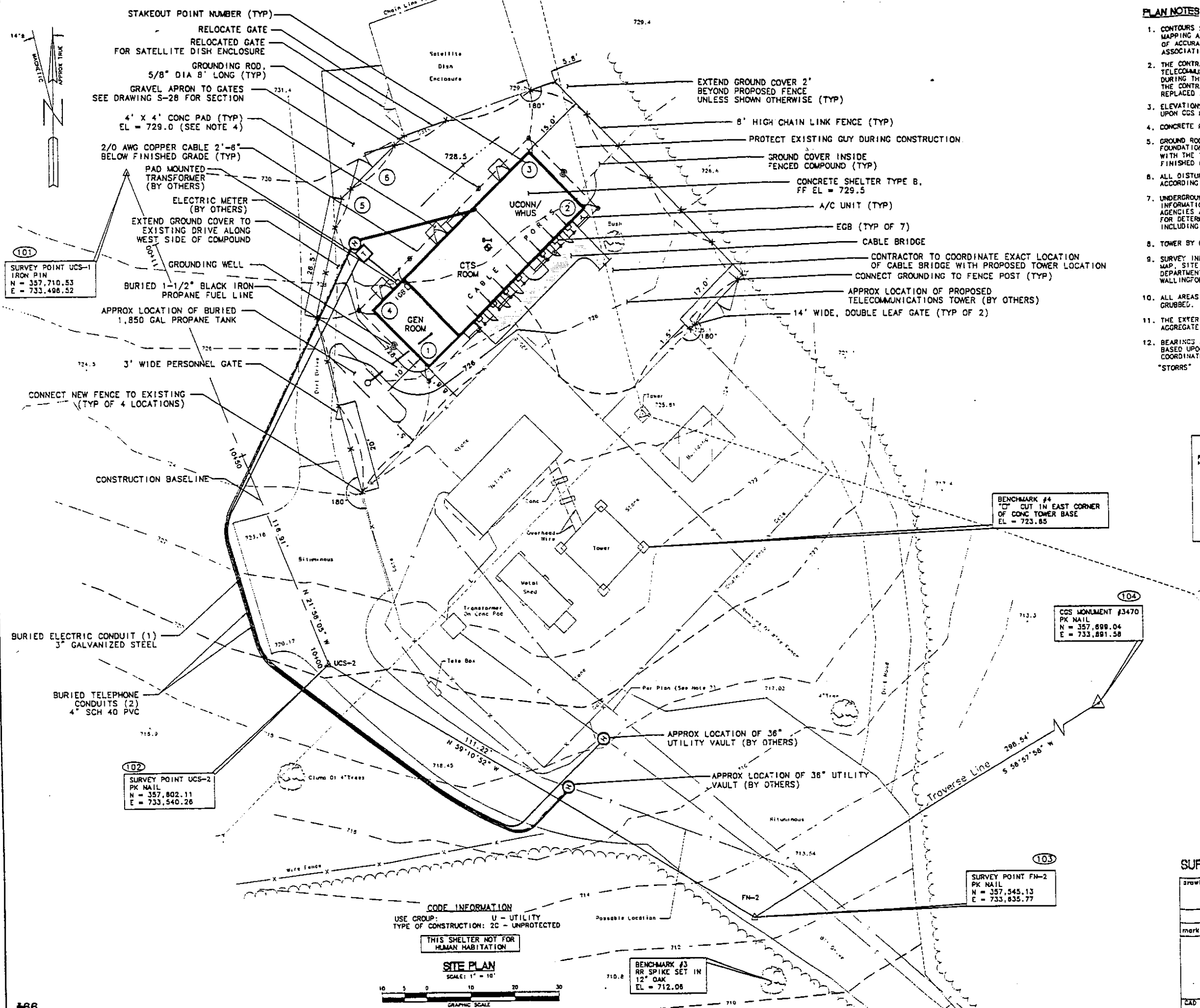
14TH Day of *APRIL* 199 *4* , to the below named chief elected official in Storrs, Connecticut pursuant to Reg. Sec. 16-50j-73.

Town Council
c/o Honorable Fred A. Cazel, Jr.
Mayor
4 South Eagleville Road
Storrs, Connecticut 06268

by:

A handwritten signature in black ink, appearing to read "George L. Davis", written over a horizontal line.

George L. Davis
Public Safety
Engineer of Telecommunications
P.O. Box 2794
Middletown, CT 06457-9294



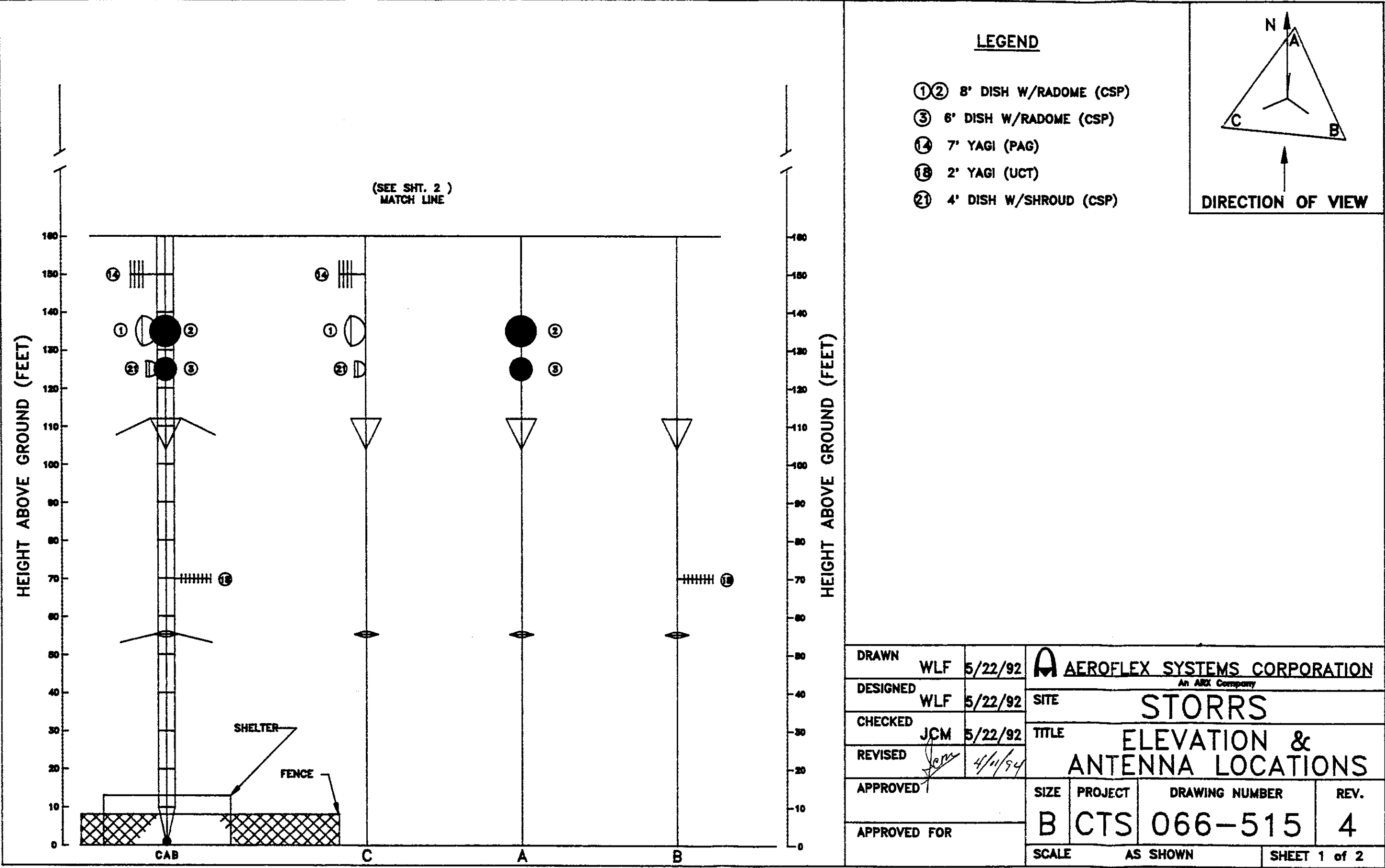
PLAN NOTES

1. CONTOURS SHOWN ARE IN ACCORDANCE WITH STANDARDS FOR TOPOGRAPHIC MAPPING AS SET FORTH IN CODE OF RECOMMENDED PRACTICE FOR STANDARDS OF ACCURACY OF SURVEY AND MAPS, PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. SEPTEMBER 13, 1989.
2. THE CONTRACTOR SHALL USE EXTREME CAUTION TO PROTECT THE EXISTING TELECOMMUNICATIONS SYSTEM (TOWER, SHELTER, POWER AND APPURTENANCES) DURING THE CONSTRUCTION OF THE PROPOSED FACILITIES. ANY DAMAGE BY THE CONTRACTOR TO EXISTING FACILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
3. ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 BASED UPON CGS MONUMENT BU-2984 HOLDING THE PUBLISHED ELEVATION OF 813.83.
4. CONCRETE PADS AT DOORWAYS SHALL SLOPE AWAY FROM SHELTER AT 1/8" PER 1'.
5. GROUND RODS AND WIRE SHALL BE LOCATED A MINIMUM OF 2' FROM ALL FOUNDATION STRUCTURES. GROUND RODS SHALL BE DRIVEN VERTICALLY WITH THE TOP OF THE ROD LOCATED A MINIMUM DISTANCE OF 2' BELOW FINISHED GRADE.
6. ALL DISTURBED AREAS OUTSIDE OF THE GROUND COVER SHALL BE TOPRESSED ACCORDING TO THE SPECIFICATIONS.
7. UNDERGROUND UTILITIES HAVE BEEN COMPILED IN PART FROM RECORD DRAWINGS AND INFORMATION SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES AND GOVERNMENTAL AGENCIES AND ARE APPROXIMATE ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES INCLUDING SERVICES IN THE AREAS OF EXCAVATION.
8. TOWER BY OTHERS.
9. SURVEY INFORMATION SHOWN HEREON REFERENCES A MAP ENTITLED "TOPOGRAPHIC MAP, SITE 66 STORRS, MANSFIELD, CONNECTICUT, PREPARED FOR THE CONNECTICUT DEPARTMENT OF PUBLIC WORKS" BY GREINER, INC., 11 FAIRFIELD BLVD., WALLINGFORD, CONNECTICUT AND DATED APRIL 1992.
10. ALL AREAS WITHIN THE GROUND COVER AREA SHALL BE CLEARED AND GRUBBED.
11. THE EXTERIOR FINISH OF THE SHELTER SHALL BE AN EARTHTONE EXPOSED AGGREGATE FINISH.
12. BEARINGS AND COORDINATES REFER TO THE CONNECTICUT COORDINATE SYSTEM BASED UPON CGS STATIONS "STORRS" AND #3470 HOLDING THE FOLLOWING COORDINATE VALUES:
"STORRS" N 357,983.48 E 733,678.88 #3470 N 357,899.04 E 733,891.58

STORRS SITE CONSTRUCTION STAKEOUT FROM CONSTRUCTION BASELINE			
POINT NUMBER	BASIS LINE STATION	BASIS LINE OFFSET	DESCRIPTION
1	10+51.98	48.48' R	FOUNDATION CORNER
2	10+71.13	92.48' R	FOUNDATION CORNER
3	10+87.78	85.53' R	FOUNDATION CORNER
4	10+88.59	38.53' R	FOUNDATION CORNER
5	10+93.62	42.40' R	FENCE CORNER
6	10+97.47	51.63' R	FENCE GATE

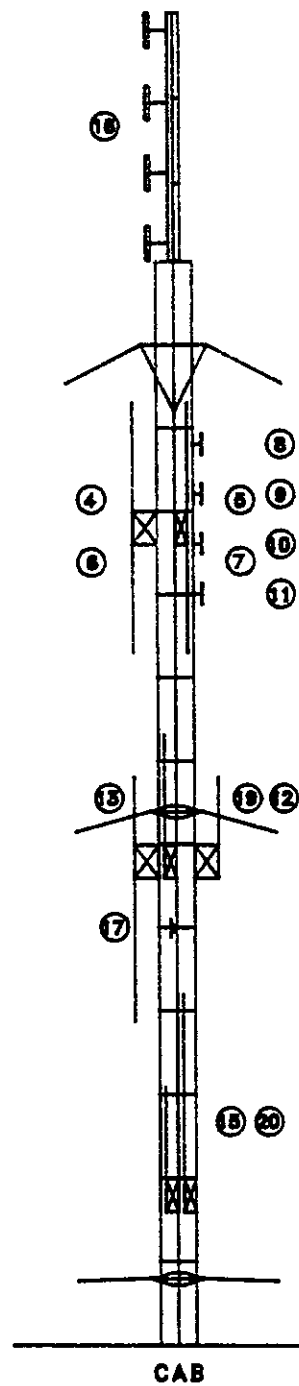
SUPPLEMENTAL BID C

drawing title: STORRS SITE PLAN		STATE OF CONNECTICUT DEPARTMENT OF PUBLIC WORKS	
REVISIONS		DRAWINGS PREPARED BY: Greiner, Inc. WALLINGFORD, CONNECTICUT	
mark	date	description	project: CONNECTICUT TELECOMMUNICATIONS SYSTEM
			project no.: 81 - N - 208
CAD no.: STM-SFP 03/20/93 01:21		S-26	

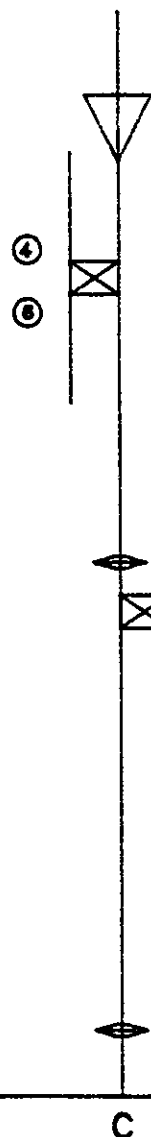


HEIGHT ABOVE GROUND (FEET)

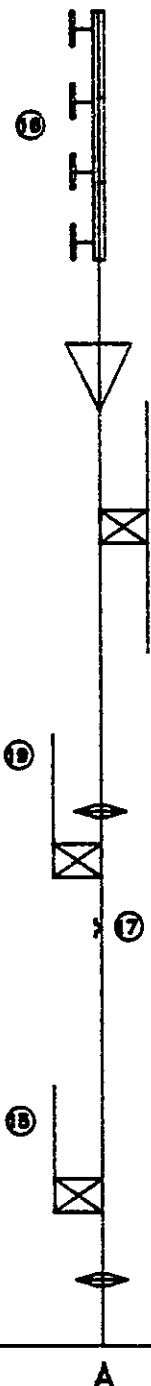
330
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4
6



4
6



4
6



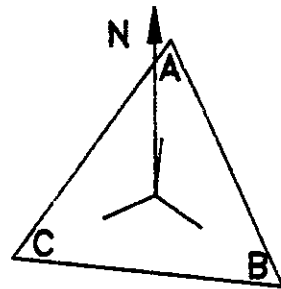
4
6

HEIGHT ABOVE GROUND (FEET)



330
320
310
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160

LEGEND

- ④⑤⑥⑦ 13' WHIP (CSP)
- ⑧⑨⑩⑪ 3' PANEL (CSP)
- ⑫⑬ 8' WHIP (PAG)
- ⑮ 11' WHIP (IBM)
- ⑯ 30' 4-DIPOLE ARRAY (UCT)
- ⑰ 2' SINGLE DIPOLE (CPB)
- ⑱ 13' WHIP (MMP)
- ⑳ 22' WHIP (MMP)



DIRECTION OF VIEW

DRAWN	WLF	5/22/92	 AEROFLEX SYSTEMS CORPORATION An ARX Company			
DESIGNED	WLF	5/22/92				
CHECKED	JCM	5/22/92				
REVISED		4/11/94				
APPROVED			SITE		STORRS	
APPROVED FOR			TITLE		ELEVATION & ANTENNA LOCATIONS	
			SIZE	PROJECT	DRAWING NUMBER	REV.
			B	CTS	066-515	4
			SCALE AS SHOWN			SHEET 2 of 2

RADIO/ANTENNA SYSTEMS DATA

SITE NAME: STORRS
 LATITUDE: 41:48:50.4
 LONGITUDE: 72:15:35.9
 TOWER HEIGHT: 290

PREPARED BY: ASC
 DATE: 04/12/1994

ANTENNA					
NO	OPERATING FREQUENCY (MHZ)	HEIGHT (FEET)	TYPE	VERTICAL SIZE (FEET)	ERP (WATTS)
4	866.0125	260	WHIP	13	1000
5	866.1375	260	WHIP	13	1000
6	821.0125	243	WHIP	13	0
7	821.1375	243	WHIP	13	0
8	866.3000	268	PANEL	3	1000
9	866.2750	262	PANEL	3	1000
10	821.3000	256	PANEL	3	0
11	821.2750	250	PANEL	3	0
12	931.6875	220	WHIP	8	1000
13	931.2875	220	WHIP	8	1000
14	72.0000	150	YAGI	7	0
15	855.0125	180	WHIP	11	225
16	91.7000	290	4-DIPOLE ARRAY	30	4600
17	100.6000	210	DIPOLE	2	250
18	851.9650	70	YAGI	2	0
19	929.4125	220	WHIP	13	1000
20	158.1000	180	WHIP	22	500
1	6525.0000	135	DISH W/RADOME	8	9419
2	6525.0000	135	DISH W/RADOME	8	9419
3	6525.0000	125	DISH W/RADOME	6	5297
21	18700.0000	125	DISH W/SHROUD	4	19364

ERP (EFFECTIVE RADIATED POWER) IS THE PRODUCT OF TRANSMITTER POWERS AND THE NUMERICAL VALUE OF THE GAIN RELATIVE TO A DIPOLE ANTENNA.

POWER DENSITY ANALYSIS

SITE NAME: STORRS
LATITUDE: 41:48:50.4
LONGITUDE: 72:15:35.9
TOWER HEIGHT: 290

FILE NAME: 66
PREPARED BY: ASC
DATE: 04/12/1994

NO	OPERATING FREQUENCY (MHz)	TRANSMIT POWER (EIRP)	ANTENNA CENTER LINE (FEET)	MAXIMUM PERMISSIBLE EXPOSURE (mW/cm2)	BASE OF THE TOWER POWER DENSITY (mW/cm2)	PERCENT OF LIMIT
4	866.0125	1640	266.5	0.5773	0.000791	0.136973
5	866.1375	1640	266.5	0.5774	0.000791	0.136953
6	821.0125	0	249.5	0.5473	0.000000	0.000000
7	821.1375	0	249.5	0.5474	0.000000	0.000000
8	866.3000	1640	268.0	0.5775	0.000782	0.135399
9	866.2750	1640	262.0	0.5775	0.000818	0.141675
10	821.3000	0	256.0	0.5475	0.000000	0.000000
11	821.2750	0	250.0	0.5475	0.000000	0.000000
12	931.6875	1640	224.0	0.6211	0.001119	0.180213
13	931.2875	1640	224.0	0.6209	0.001119	0.180290
14	72.0000	0	150.0	0.2000	0.000000	0.000000
15	855.0125	369	185.5	0.5700	0.000367	0.064428
16	91.7000	7544	305.0	0.2000	0.002777	1.388638
17	100.6000	410	211.0	0.2000	0.000315	0.157691
18	851.9650	0	70.0	0.5680	0.000000	0.000000
19	929.4125	1640	226.5	0.6196	0.001095	0.176688
20	158.1000	820	191.0	0.2000	0.000770	0.384888
1	6525.0000	15447	135.0	4.3500	0.000370	0.008512
2	6525.0000	15447	135.0	4.3500	0.000370	0.008512
3	6525.0000	8687	125.0	4.3500	0.000400	0.009193
21	18700.0000	31757	125.0	10.0000	0.001146	0.011460

PERCENT OF MAX. ALLOWABLE LIMIT FOR ALL. 21 RADIO SYSTEMS = 3.121512

NOTES:

1. THE 'LIMITS OF MAXIMUM PERMISSIBLE EXPOSURE FOR UNCONTROLLED ENVIRONMENTS' HAVE BEEN DETERMINED IN ACCORDANCE WITH THE MAXIMUM PERMISSIBLE LEVELS DEFINED IN ANSI STANDARD C95.1-1991, ISSUED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
2. POWER DENSITIES ARE CALCULATED IN ACCORDANCE WITH THE METHODS DEFINED IN FCC DOCUMENT 'OST BULLETIN NO. 65', OCTOBER 1985.
3. EIRP (EFFECTIVE ISOTROPICALLY RADIATED POWER) REFERENCES THE RADIATED POWER TO A POINT SOURCE, WHICH YIELDS POWERS 1.6406 TIMES HIGHER THAN ERP.

POWER DENSITY ANALYSIS

POWER DENSITY (% MAX.ALLOWABLE LIMIT) VS DISTANCE FROM THE TOWER BASE

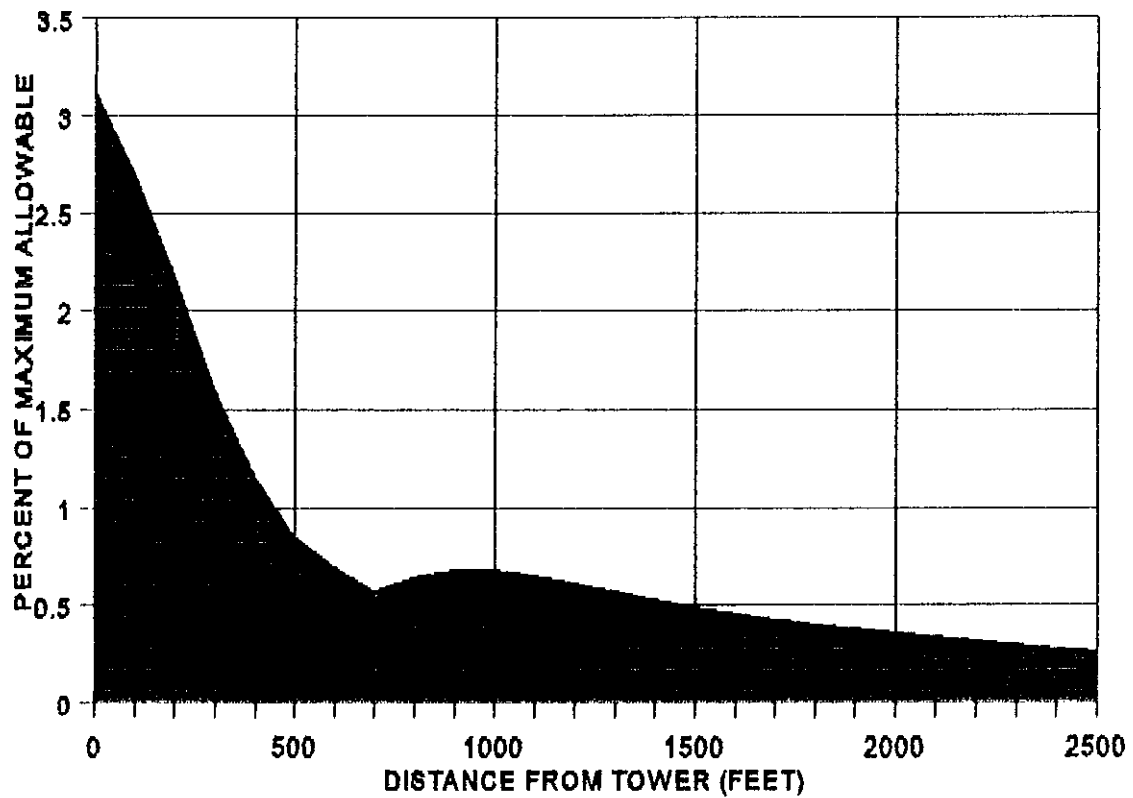
SITE NAME: STORRS
LATITUDE: 41:48:50.4
LONGITUDE: 72:15:35.9
TOWER HEIGHT: 290

FILE NAME: 66
PREPARED BY: ASC
DATE: 04/12/1994

DISTANCE (FEET)	POWER DENSITY (% MAX. ALLOWABLE LIMIT)
0	3.121512
100	2.687939
200	2.164462
300	1.586159
400	1.145505
500	0.847969
600	0.691228
700	0.568601
800	0.644571
900	0.677773
1000	0.674451
1100	0.647862
1200	0.611038
1300	0.569077
1400	0.526111
1500	0.490046
1600	0.456589
1700	0.426312
1800	0.401642
1900	0.378439
2000	0.356220
2100	0.335292
2200	0.315697
2300	0.297336
2400	0.280219
2500	0.264143

POWER DENSITY VS DISTANCE

STORRS SITE #66



AGREEMENT
between
THE STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF STATE POLICE
and
THE STATE OF CONNECTICUT
UNIVERSITY OF CONNECTICUT
and
RADIO STATION WHUS
regarding
THE LICENSE TO USE A COMMUNICATIONS FACILITY
at
THE UNIVERSITY OF CONNECTICUT

THIS AGREEMENT, made this 6th day of August, 1993, by and between the State of Connecticut, Department of Public Safety, Division of State Police, acting by and through Nicholas A. Cioffi, Commissioner of Public Safety, pursuant to Connecticut General Statute Section 4-8, hereinafter referred to as the State Police, and the State of Connecticut, University of Connecticut, acting by and through Wilbur Jones, Vice President for Finance and Administration, University of Connecticut, pursuant to authority granted by the University of Connecticut Board of Trustees, hereinafter referred to as UCONN, and radio station WHUS, a University of Connecticut student activity program, acting by and through John Murphy, Radio Station WHUS General Manager, hereinafter referred to as WHUS, for the license to use a communications facility on the campus of the University of Connecticut, Storrs, Connecticut.

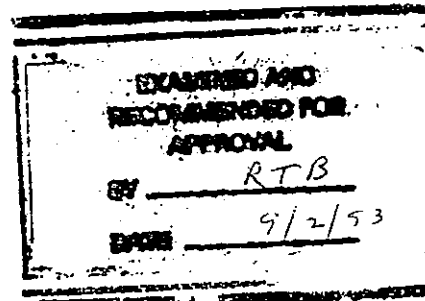
WITNESSETH:

WHEREAS UCONN owns property located in Storrs, Connecticut and WHUS owns a communication facility on a portion of said property, including a 200 foot tall telecommunications tower and equipment shelter; and

WHEREAS the State Police has an interest in improving its existing communications system state-wide as part of its planned microwave network supporting an 800 MHz trunked two-way radio system; and

WHEREAS WHUS has an interest in improving and expanding its broadcast capabilities at its UCONN site; and

WHEREAS the State Police, UCONN, and WHUS have a mutual interest in compliance with the policy of the Connecticut Siting Council by entering into an arrangement to share space on the WHUS telecommunications tower;



Now, therefore, in consideration of the mutual covenants contained herein and other good and valuable considerations, receipt of which the parties acknowledge, the State Police, UCONN, and WHUS hereby agree as follows:

A. AGREEMENT (1 - 13)

1. UCONN agrees to allow unlimited access and use of a piece of land described in Attachment A, as a communications site, hereinafter referred to as the SITE, by the State Police and WHUS, at no charge to the State Police or WHUS.
2. UCONN agrees to allow the State Police to install, at its own expense, a Shelter on the SITE, with three (3) separate rooms to house the State Police radio equipment, WHUS radio equipment, and an emergency generator, respectively. Said rooms shall be separated by wire mesh.
3. WHUS and the State Police shall be responsible for installing and maintaining their own radio equipment in their respective rooms of the Shelter.
4. The State Police shall install in the Shelter an emergency generator to provide emergency electrical power to both the State Police and WHUS radio equipment, at no cost to WHUS.
5. The State Police shall install in the Shelter heating, ventilation, and air conditioning facilities to control the environments for both the State Police and WHUS radio equipment, at no cost to WHUS.
6. The State Police shall install on the Shelter separate electrical meters for the State Police and WHUS radio equipment rooms, at no cost to WHUS. Each party shall be responsible for the cost of its own commercial electrical power connection and usage.
7. UCONN agrees to allow the State Police to install, at its own expense, an underground fuel tank on the SITE for the emergency generator.
8. UCONN agrees to allow the State Police to install, at its own expense, a security fence to surround the TOWER base, Shelter, and fuel tank. This fence will replace, in part or in whole, the fence surrounding the base of the TOWER, that will be installed under the TOWER contract. The State Police shall dispose of this fence as directed by WHUS.
9. UCONN agrees to allow the State Police to finish, at its own expense, the fenced area of the SITE.

10. The State Police shall own and maintain all facilities that they install on the SITE, for the duration of their use of the site.
11. WHUS shall, at its expense, perform all works necessary for the purchase and erection on the SITE of a three hundred and twenty foot telecommunications tower, hereinafter referred to as the TOWER. These works shall include preparing the bid specifications and obtaining a State Building Permit for Threshold Structures.
12. The TOWER shall be designed to support the antennas described in Attachment B and shown pictorially in Attachment C, in accordance with State Police Document CTS-000-T-001-06, except as noted in Attachment D. Construction shall include mounts for the antennas which shall be installed at the locations described in Attachment B and security fences around the guy anchors and tower base. The dismantling and removal from the site of the existing 200 foot tower shall be accomplished at WHUS expense.
13. The State Police shall review and approve the TOWER bid specifications prior to issuance.

B. LICENSE (14 - 15)

14. The State Police shall pay WHUS a one time, lump sum payment for the use of the TOWER for a period of twenty-five (25) years, said payment shall not exceed \$65,000.
15. The State Police shall have unlimited access to the TOWER seven (7) days a week, twenty-four (24) hours a day.

C. GENERAL TERMS AND CONDITIONS (16 - 30)

16. Upon completion of the TOWER, WHUS shall own the tower and the license described in Section B of this Agreement shall become effective. WHUS shall notify the State Police in writing of WHUS acceptance of the TOWER. Said memorandum shall signify commencement of the License Agreement and shall become Attachment F to this Agreement.
17. WHUS shall begin maintaining the TOWER for a period of three years and the State Police shall pay WHUS a one time fee of three thousand six hundred dollars (\$3,600) for the TOWER maintenance.

18. Upon the conclusion of the first three year period, the State Police shall be responsible for maintaining the TOWER for a period of twenty-two (22) years, at no cost to WHUS.
19. Each User of the TOWER shall, at its own expense, install and maintain its own antennas and transmission lines, as described in Attachment B. These works shall conform with the requirements of the Site Installation and Appearance Standards contained in Attachment E, unless otherwise ordered by a Government Authority of competent jurisdiction.
20. WHUS and the State Police hereby grant reasonable assurances that their radio equipment will not interfere with each other's radio equipment. Should interference occur, both parties shall vigorously undertake all reasonable measures to correct the problem to the reasonable satisfaction of the other party.

Should the radio equipment of any User, other than WHUS, cause interference with the State Police radio equipment, WHUS shall cause the interfering User to cease operation immediately and correct the problem. If the interference is corrected to the reasonable satisfaction of the State Police, WHUS shall permit the User may resume operations. If not, WHUS shall cause the interfering User shall remove the interfering radio equipment from the TOWER and the SITE.

Any TOWER user other than WHUS and the State Police wishing to modify his antenna system(s) or any new user wishing to add a new antenna system(s) to the TOWER shall submit two copies of a detailed description of the proposed antenna system(s) to WHUS, who shall forward one copy to the State Police. The State Police and WHUS shall review the proposed antenna system(s) and may require additional technical information from the user (such as, Tower Structural Analyses and Interference Analyses) at the user's expense. If WHUS approves such antenna system(s), WHUS must guarantee the State Police that any such modifications and/or installation of the new antenna system(s) will not interfere with State Police radio systems and will not diminish the structural integrity of the WHUS tower as determined by State Police document CTS-000-T-001-05, referenced in Item No. 12 of this Agreement. Should a State Police review of tower structural analysis and interference analysis result in a difference of opinion between WHUS and the State Police regarding such data, WHUS shall not proceed with such modification or installation of antenna system(s)

until mutual agreement regarding the difference of opinion is resolved to the mutual satisfaction of WHUS and the State Police.

21. WHUS and UCONN agree that should WHUS decide to erect any additional towers in the future during the term of this agreement, such towers shall be located at a distance from the proposed three hundred and twenty foot Telecommunications tower such that should such new tower fall, or otherwise fail in any respect, such failure will not be reasonably calculated to impact upon the pre-existing 320 foot tower, its supporting guy wires, or the associated shelter and equipment facilities, in any way. Any such tower shall be constructed, operated and maintained so as not to interfere with the use of the existing communications facilities of the State Police associated with the 320 foot tower which is the subject of this agreement.
22. This Agreement is expressly contingent upon the State Police obtaining, at its own expense, all necessary licenses, permits, and funding to perform the State Police works described in this Agreement.
23. At the expiration of the LICENSE, the State Police shall have the option to extend this Agreement and LICENSE for an additional twenty-five (25) year period, upon terms and conditions mutually acceptable to all parties. If the State Police does not intend to make such an extension, it shall notify UCONN and WHUS at least six (6) months prior to the expiration of the LICENSE.
24. WHUS agrees that during the term of this Agreement and license it will carry insurance which is adequate to cover the replacement cost of the new tower in the event that the tower is rendered unusable or unsafe as a result of, but not limited to, an occurrence such as vandalism or other criminal activity, hurricane, tornado, earthquake, lightning strike, or any such act of God and that the company or companies issuing such insurance shall be companies authorized to do business under the laws of the State of Connecticut. WHUS guarantees the State Police that in the event that the WHUS tower is rendered unusable or unsafe, WHUS will reconstruct said tower, using insurance replacement funds, at the same location as the current tower.

25. Should the State Police decide to abandon its use of the TOWER and the SITE, it shall give UCONN and WHUS ninety (90) days advance notice. The State Police shall remove its radio equipment from the shelter and tower including transmission lines. All deeds and titles of ownership shall be transferred to WHUS at no cost to WHUS. All State Police rights and obligations defined in this Agreement with respect to UCONN shall automatically revert to WHUS.
26. Should WHUS decide to abandon its use of the TOWER and the SITE, it shall give UCONN and the State Police ninety (90) days advance notice. WHUS shall remove its radio equipment from the shelter and tower, including transmission lines. WHUS shall remove any other WHUS property from the SITE. All deeds and titles of ownership of any WHUS property, including the TOWER, remaining on the SITE after abandonment shall be transferred to the State Police at no cost to the State Police. All WHUS rights and obligations defined in this Agreement with respect to UCONN shall automatically revert to the State Police. All agreements WHUS currently has with other TOWER Users shall remain in force and will be honored by the State Police until their expiration. Upon expiration of such agreements, the State Police shall have the option to renegotiate such agreements. Commencing with the effective date of this agreement, any agreement signed by WHUS and any other user shall contain language to the effect that in the event WHUS abandons use of the tower, the agreement with the user shall become null and void and the State Police shall have the option to renegotiate such agreement.
27. All notices hereunder must be in writing and shall be sent by certified mail, return receipt requested to the following (or to any other address that the party to be notified may have designated by like notice):

To UCONN: Fiscal Manager
 Department of Student Activities
 and Union Programs
 The University of Connecticut
 Storrs, Connecticut 06269-3008

To WHUS: General Manager
 WHUS Radio Station
 The University of Connecticut
 Storrs, Connecticut 06269-3008

To State Police: Commanding Officer
Telecommunications Section
Department of Public Safety
Division of State Police
294 Colony Street
Meriden, Connecticut 06450

28. Except to the extent specifically contained herein, nothing in this Agreement shall constitute the parties as partners nor render any party liable for any debts or obligations of any other party, nor shall any party hereby be constituted the agent of any other party.
29. It is hereby mutually agreed and understood that this Agreement and license contains all agreements, promises, and understandings between the parties and that no verbal or oral agreements, promises, or understandings shall or will be binding upon the parties in any dispute, controversy, or proceeding at law, and any addition, variation, or modification to this Agreement shall be void and ineffective unless in writing and signed by the parties hereto.
30. This Agreement shall be of equal duration with said license. Upon termination of the license, the license and agreement become null and void and the parties shall have no further obligation, including the payment of money, to each other.
31. WHUS agrees and warrants that in the performance of the contract, such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation, or physical disability, including, but not limited to blindness, unless it is shown by such contractor that such disability prevents performance or work involved in any manner prohibited by the Laws of the United States or of the State of Connecticut. The contractor further agrees to take affirmative action to insure that applicants with job-related qualifications are employed and the employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation, or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance

of the work involved; WHUS agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the Commission on Human Rights and Opportunities (CHRO); WHUS agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding, a notice to be provided by the Commission, advising the labor union or worker's representative of the contractor's commitments under this section and to post copies of the notice in conspicuous places available to employees and applicants for employment; WHUS agrees to comply with each provision of this section and Connecticut General Statute Section 46a-68e and 46a-68f and with each regulation or relevant order issued by said Commission pursuant to Connecticut General Statute Section 46a-56, as amended by Section 5 of Public Act 89-253, 46a-68e and 46a,68f; WHUS agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records, and accounts concerning the employment practices and procedures of the contractor as relate to the provisions of this Section and Section 46a-56. If the contract is a public works contract, the contractor agrees and warrants that he will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works project.

WHUS agrees and warrants that in the performance of the contract, such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or of the State of Connecticut, and that employees are treated when employed without regard to their sexual orientation; WHUS agrees to provide each labor union or representative of workers which such contractor has a collective bargaining agreement or other contract or understanding, a notice to be provided by the Commission on Human Rights and Opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment. WHUS agrees to comply with each provision of this section and sections 46a-68e and 46a-68f of the general statutes and with each regulation or relevant order issued by said commission pursuant to

sections 46a-56, 46a-68e, and 46a-68f of the general statutes. WHUS agrees to provide the Commission on Human Rights and Opportunities with such information requested by the Commission, and permit access to pertinent books, records, and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56 of the general statutes.

IN WITNESS THEREOF, the parties hereto have set their hands and seals the day and year first above written:

IN THE PRESENCE OF:

STATE OF CONNECTICUT
UNIVERSITY OF CONNECTICUT

Barbara Minnema
Witness
Lyn D. Pearl
Witness

By: Wilbur Jones (Seal)
Wilbur Jones
Vice President for Finance
and Administration
University of Connecticut

WHUS RADIO STATION

Ruth M. Perko
Witness
Betty Halden
Witness

By: John Murphy
John Murphy
General Manager
WHUS Radio Station

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF STATE POLICE

Carol J. Leland
Witness
Elizabeth A. Hammell
Witness
MY COMMISSION EXPIRES MARCH 31, 1994

By: Nicholas A. Cioffi (Seal)
Nicholas A. Cioffi
Commissioner of Public Safety

State of Connecticut

County of Tolland

ss Storrs

July 2, 1993

Personally appeared Wilbur Jones, Vice President, Board of Finance of the University of Connecticut, duly authorized signer and sealer of the foregoing instrument, who acknowledged the same to be his free act and deed, and the free act and deed of the State of Connecticut, University of Connecticut, before me



Notary Public

My commission expires: 4/1/96

~~1993~~

State of Connecticut

County of Tolland

ss Storrs

July 7, 1993

Personally appeared John Murphy, General Manager of Radio Station WHUS, duly authorized signer and sealer of the foregoing instrument, who acknowledged the same to be his free act and deed, and the free act and deed of Radio Station WHUS, before me



Notary Public

My commission expires: 4/1/96

~~1993~~

State of Connecticut

ss Hartford

August 6, 1993

County of Hartford

Personally appeared Nicholas A. Cioffi, Commissioner of Public Safety, duly authorized signer and sealer of the foregoing instrument, who acknowledged the same to be his free act and deed, and the free act and deed of the State of Connecticut, Department of Public Safety, Division of State Police, before me

Carolyn J. Gendel

Notary Public

My commission expires:

March 31, 1994

APPROVED AS TO FORM:
FOR STATE POLICE

L.D. McCallum

~~Stephen J. O'Neill~~ L.D. McCallum
Assistant Attorney General

Sept. 7

, 1993
Date

Approved As To Form

P.M. Shapiro (For UGA)

Paul M. Shapiro
Assistant Attorney General



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC SAFETY

1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294

May 12, 1994

RECEIVED
MAY 12 1994

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

**CONNECTICUT
SITING COUNCIL**

Subject: NOTICE OF EXEMPT MODIFICATION -SITE 66 STORRS

Dear Chairman Gelston:

In light of the Siting Council's decision to table an exempt modification request for CTS Site 66, Storrs, the Division of State Police would like to clarify its position regarding the proposed 320' tower.

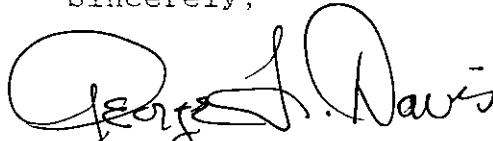
The Division of State Police has no part in securing the necessary certificates, permits or approvals required for the construction of said Tower. The Agency will, through a signed Agreement with UCONN and WHUS Radio Station, contribute a maximum of \$65,000 toward the construction of the Tower.

The Notice of Exempt Modification was submitted to the Council to Notice the construction of an equipment shelter at the site and approve the installation of antennas on the proposed Tower should the necessary approvals be obtained and construction completed.

Currently, the Division of State Police, through the Department of Public Works, has a construction contract in place for work at 24 CTS Sites. Construction of the shelter at Storrs is part of that contract.

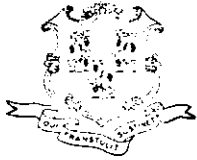
I hope that this clarification is sufficient for the
Siting Council to acknowledge our Notice of Exempt
Modification at its meeting of May 23, 1994.

Sincerely,

A handwritten signature in black ink, appearing to read "George L. Davis". The signature is fluid and cursive, with the first name "George" being more prominent and the last name "Davis" following in a similar style.

George L. Davis
Public Safety Engineer of
Telecommunications

cc: P. Seaha
Aeroflex
File



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

FILE
COPY

July 14, 1994

Hon. Richard Blumenthal
Attorney General of the State of Connecticut
55 Elm Street
Hartford, CT 06106

Dear Attorney General Blumenthal:

The Connecticut Siting Council ("Council") has pending before it a proposed modification of a telecommunications tower from the Department of Public Safety, Division of State Police ("State Police"). The proposed modification would entail placement of additional antennas on a new tower expected to replace an existing tower used by the WHUS radio station at the University of Connecticut at Storrs ("UCONN"). The replacement tower would also be used by WHUS.

The State Police are formally requesting an exemption from certificate requirements under the Regulations of Connecticut State Agencies section 16-50j-72. A copy of their proposal is enclosed as Exhibit A. The ownership of the tower and the legal status of WHUS, in terms of its relationship with the State of Connecticut, are important considerations for the ruling and the Council's exercise of its jurisdiction. Under Connecticut General Statutes section 16-50i(a)(6), the Council has jurisdiction over the siting of telecommunication towers "owned or operated by the state."

It is the Council's understanding that WHUS is a radio station funded by student activity fees at UCONN but that WHUS' license from the Federal Communications Commission is held by the UCONN Board of Trustees. The Council has also learned that WHUS, as owner of the existing and future replacement tower; UCONN, as owner of the land on which the existing tower is located and future replacement tower would be located; and the State Police have entered into a license agreement under which the State Police shall have the right to place its telecommunications equipment on the WHUS tower. A copy of the agreement is attached as Exhibit B.

Pursuant to the Council's discussions at public meetings held May 23, 1994, and July 14, 1994, the Council now respectfully requests your opinion on the following question:

Hon. Richard Blumenthal

July 14, 1994

Page 2

Whether the existing tower used by WHUS, the radio station funded by student activity fees at UCONN, and the new proposed replacement tower also to be used by WHUS, and on which the State Police intend to place telecommunications equipment, is or would be "owned or operated by the state" within the meaning of the Public Utility Environmental Standards Act, Connecticut General Statutes section 16-50i(a)(6)?

Thank you for your assistance in this matter.

Very truly yours,



Mortimer A. Gelston
Chairman

MAG:mmb
Enclosures (2)
WHUS.doc

RICHARD BLUMENTHAL
ATTORNEY GENERAL



55 Elm Street
P.O. Box 120
Hartford, CT 06141-0120
(203) 566-2026

Office of The Attorney General
State of Connecticut

January 17, 1995

Hon. Mortimer A. Gelston
Chairman
Connecticut Siting Council
136 Main Street, Suite 401
New Britain, CT 06051-4225

RECEIVED

JAN 20 1995

**CONNECTICUT
SITING COUNCIL**

Dear Chairman Gelston:

You have requested our opinion regarding the legal status of a tower to be used by WHUS, the radio station funded by student activity fees at the University of Connecticut at Storrs (the "University"). Specifically, you have asked whether the tower, on which the Department of Public Safety, Division of State Police (the "State Police") intends to place telecommunications equipment, is "owned or operated by the state" within the meaning of the Public Utility Environmental Standards Act ("PUESA"), Conn. Gen. Stat. § 16-50i(a)(6). If the WHUS tower is a tower "owned or operated by the state," its construction and modification must comply with the requirements of the PUESA and the regulations promulgated thereunder.

We understand the facts to be as follows: The State Police have filed with the Connecticut Siting Council (the "Council") a proposed modification to a telecommunications tower by which the State Police would place antennas on a tower to be constructed and used by the WHUS radio station. By doing so, the State Police are requesting an exemption under Conn. Agencies Regs. § 16-50j-72 from the certification requirements of the PUESA. WHUS is a radio station funded by student activity fees at the University and purports to be the owner of the tower. WHUS is not separately incorporated. Although the statutes governing student activity funds allow for student control of such funds, this option for student control has not been exercised. WHUS's license from the Federal Communications Commission ("FCC") is held by the University Board of Trustees. The land on which the tower will be located is owned by the University. The State Police, WHUS and the University have entered into a license agreement under which WHUS is responsible for the erection of a 320 foot tower on and adjacent to which the State Police shall have the right to place its telecommunications equipment.

The PUESA gives the Council jurisdiction over the siting of certain telecommunications towers. Specifically, Conn. Gen. Stat. § 16-50i(a)(6) defines telecommunications towers within the Council's jurisdiction as including towers "owned or operated by the state." As it appears from the

January 17, 1995

Hon. Mortimer A. Gelston
Page 2

facts presented that WHUS is the owner of the tower, the question raised is whether WHUS is part of the "state" within the meaning of § 16-50i(a)(6).^{1/}

In enacting the PUESA, the General Assembly found that "telecommunication towers have had a significant impact on the environment and ecology of the state of Connecticut; and that continued operation and development of such...towers, if not properly planned and controlled, could adversely affect the quality of the environment, the ecological, scenic, historic and recreational values of the state." Conn. Gen. Stat. § 16-50g. The purposes of the PUESA, as it relates to telecommunication towers, include:

to provide for the balancing of the need for adequate and reliable public utility services at the lowest reasonable cost to consumers with the need to protect the environment and ecology of the state and to minimize damage to scenic, historic, and recreational values; to provide environmental quality standards and criteria for the location, design, construction and operation of facilities for the furnishing of public utility services at least as stringent as the federal environmental quality standards and criteria, and technically sufficient to assure the welfare and protection of the people of the state;...to promote the sharing of towers for fair consideration wherever technically, legally, environmentally and economically feasible to avoid the unnecessary proliferation of towers in the state....

Id. The rules of statutory construction require that the PUESA, including § 16-50i(a)(6), be construed liberally to achieve these important legislative goals. See Okee Indus., Inc. v. National Grange Mut. Ins. Co., 225 Conn. 367, 374, 623 A.2d 483 (1993); Manchester Environmental Coalition v. Stockton, 184 Conn. 51, 57, 441 A.2d 68 (1981).

WHUS is an entity funded by a student activity fund at the University. Such an activity fund is defined by statute as a "fund operated in any state

^{1/} Neither the PUESA nor the Council's regulations specifically defines "telecommunications tower." The Council's established interpretation of that phrase, as it applies to towers owned or operated by the State, includes state-owned or operated radio broadcast towers. See Connecticut Siting Council Docket No. 118, Opinion, Decision and Order (Feb. 5, 1990). Moreover, the common meaning of "telecommunication" includes "communication by electronic transmission of impulses, as by telegraphy, cable, telephony, radio or television." American Heritage Dictionary 1249 (2d ed. 1982).

January 17, 1995

Hon. Mortimer A. Gelston

Page 3

educational, welfare or medical institution for the benefit of the...students of such institutions...the revenue of which is derived from the operation of canteens, vending machines, dramatics, recitals, student activity fees, membership fees, deposits or any other legal source compatible with the good government of such institutions." Conn. Gen. Stat. § 4-52. Such funds must be used exclusively for the benefit of students. 23 Op. Atty. Gen. 345 (April 10, 1944). The administrative head of such institutions may establish an activity fund with the approval of the State Comptroller. Conn. Gen. Stat. § 4-53.

The management of student activity funds "may be under the control of students...but shall be under the supervision of the administrative head of the institution, except that such funds shall be under the total control of students" if such control is approved in a referendum of a majority of at least forty percent of the students enrolled at the institution and paying activity fees. Conn. Gen. Stat. §§ 4-54(a), (b). A referendum on whether to continue student control of the fund must be held at least every four years and at any time upon the petition of five per cent of the students enrolled at the institution and paying activity fees. If by referendum student control is rejected or discontinued, supervision of the student activity fund shall be vested in the administrative head of the institution. Conn. Gen. Stat. §§ 4-54(c), (d). The administrative head of the institution, or the treasurer of the student government if the fund is student controlled, must file a balance sheet and statement of operations with the secretary of the Office of Policy and Management and with the Auditors of Public Accounts, who shall audit such funds. Conn. Gen. Stat. § 4-55.

This statutory framework for student activity funds contains elements that might weigh both for and against the conclusion that an entity such as WHUS is part of the State within the meaning of § 16-50i(a)(6). The student activity fund is supported by student activity fees and must be used exclusively for students. The exclusivity of the use of the fund, however, does not dictate that an entity receiving those funds, such as WHUS, is necessarily a private entity. Student activity funds are created and may be controlled by the administrative head of the University. Although students can obtain control over the funds through a referendum, in this case, the option for student control has not been exercised. In any event, control of the funds may revert back to the institution's administrator under certain conditions.

It is unnecessary, however, to decide whether these elements of the statutes governing student activity funds alone would be sufficient to make WHUS part of the State for purposes of the PUESA. Several aspects of the particular factual context presented are decisive. WHUS is not separately incorporated. More importantly, WHUS's FCC license is held by the University Board of Trustees, and applications or regulatory requests to the relevant federal agencies regarding WHUS broadcasting operations are

January 17, 1995


Hon. Mortimer A. Gelston
Page 4

made by the University Board of Trustees. The holder of an FCC license to broadcast is subject to a panoply of legal obligations and duties. See 47 U.S.C. §§ 307 et seq. This form of involvement of the University in such a critical aspect of the legal existence and operation of WHUS is a sufficiently strong nexus with the State for determining that the WHUS tower falls within the scope of § 16-50i(a)(6).

The purpose of the PUESA, as it pertains to towers, is to ensure that towers are located and constructed consistent with the protection of environmental, scenic, historic and recreational values of the State, to encourage tower sharing and to avoid the unnecessary proliferation of towers in the State. Conn. Gen. Stat. § 16-50g. The legislature determined to include towers owned and operated by the State within the jurisdiction of the Council to ensure that the State's location and construction of towers also comply with these goals. Keeping in mind that the PUESA is a statute deserving of a liberal construction to achieve its purposes, see Manchester Environmental Coalition, 184 Conn. at 57, we conclude that the WHUS tower is "owned or operated by the state" within the meaning of § 16-50i(a)(6).

Very truly yours,


RICHARD BLUMENTHAL
ATTORNEY GENERAL


Mark F. Kohler
Assistant Attorney General

RB/MFK/js



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051-4225
Phone: 827-7682

January 26, 1995

George L. Davis
Department of Public Safety
Division of State Police
Corporate Communications
P.O. Box 2794
Middletown, Connecticut 06457-9294

RE: Department of Public Safety notice of intent to modify an existing telecommunications tower and associated equipment located on the Campus of the University of Connecticut in Storres, Connecticut.

Dear Mr. Davis:

On January 17, 1995 the Office of the Attorney General issued an opinion relevant to this proposed action.

Based on this opinion, it would seem that the construction of this WHUS tower is under the jurisdiction of the Council and application should be made to the Council for all tower changes and construction.

Please contact me if you have any questions or comments.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Joel M. Rinebold", written over a horizontal line.

Joel M. Rinebold
Executive Director

JMR/ss

cc: Milt Wroblewski, University of Connecticut

Enclosure



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

July 3, 1996

George L. Davis
Engineer of Telecommunications
Department of Public Safety
Division of State Police
P.O. Box 2794
Middletown, CT 06457-9294

Re: Department of Public Safety, Division of State Police, notice of intent to modify an existing telecommunications tower located on the Campus of the University of Connecticut in Storrs Connecticut.

Dear Mr. Davis:

At a public meeting held on July 2, 1996, the Connecticut Siting Council (Council) acknowledged your notice to modify an existing telecommunications tower in Storrs, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modification is to be implemented as specified in your notice dated June 17, 1996. The modification is 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.

Very truly yours,

A handwritten signature in cursive script, reading "Mortimer A. Gelston".

Mortimer A. Gelston
Chairman

MAG:FOC

c: The Honorable Fred A. Cazal, Mayor, Town of Mansfield



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

June 25, 1996

Honorable Fred A. Cazal, Jr.
Mayor
Town of Mansfield
4 South Eagleville Road
Storrs, CT 06268

RE: Department of Public Safety, Division of State Police, notice of intent to modify an existing telecommunications tower and associated equipment located on the Campus of the University of Connecticut in Storrs, Connecticut.

Dear Mayor Cazal:

On June 17, 1996 the Connecticut Siting Council (Council) received a request from the Department of Public Safety, Division of State Police, to modify an existing telecommunications tower pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies.

The Council will consider this item at the next meeting scheduled for Tuesday, July 2, 1996, at 10:30 a.m. in Hearing Room 3, Ten Franklin Square, New Britain, Connecticut.

Please 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,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold
Executive Director

JMR/ss

Enclosures (2): Dept. of Public Safety Notice of Intent, Storrs, Connecticut
Agenda for meeting of July 2, 1996

c: Martin H. Berliner, Town Manager, Town of Mansfield



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC SAFETY

1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294
June 17, 1996

Mortimer A. Gelston
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RECEIVED

JUN 18 1996

CONNECTICUT
SITING COUNCIL

Dear Chairman Gelston,

On April 14, 1994 the Department of Public Safety, Division of State Police filed a Notice of Intent to Erect Exempt Telecommunications Associated Equipment pursuant to Council Reg. Sec. 16-50j - 73 at the WHUS Radio Station Telecommunication facility located on the Campus of the University of Connecticut in Storrs, Connecticut.

In part, the Division of State Police gave notice of its intent to mount antennas on a proposed 320 foot four legged, guyed lattice type tower. To date, although near, the application for a Certificate for that tower has not been submitted to the Council.

Since the Division of State Police is currently installing its microwave portion of the Connecticut Telecommunications System (CTS), and since the current 200 foot WHUS guyed lattice tower is active and available, the Division requests the Council's Notice of its intent to install three 6 (six) foot dishes with radome on the current tower. Two 6 (six) foot dishes will be mounted at the 135 foot level, and one 6 (six) foot dish will be mounted at the 125 foot level. When construction of the proposed tower is completed the dishes will be installed on the new tower at the same height.

The Division of State Police believes that the mounting of these antennas on the current tower conforms to Siting Council Reg. Sec. 16-50j - 72 (b) for the following reasons:


1. The site is an existing, active Telecommunications site.
2. The site boundaries will not be extended.
3. The Height of the tower will not increase.
4. The proposed project will not increase noise levels at the existing facility by six decibels or more.
5. The radio sending or receiving capability of the facility will not increase the total radio frequency electromagnetic radiation power density measured at the tower site boundary to or above the standard

considered by the State Department of Environmental Protection (DEP).

Included as Attachment A are the calculations for power density submitted with the Division's April 14, 1994 Notice of Intent. It is expected that since only three of the originally proposed twelve (12) antennas are to be installed at the height originally intended, the power density will be somewhat less than that calculated in exhibit A.

For all of the above stated reasons, the Division of State Police requests the Siting Council to rule that this Notice is in compliance with exception criteria for changes to an existing facility pursuant to Reg. Sec. 16-50j 72(b).

Dated at Middletown, CT this 18TH day of June, 1996.

by: 
George L. Davis
Public Safety
Engineer of Telecommunications
P.O. Box 2794
Middletown, CT 06457-9294

CERTIFICATION

The undersigned certifies that a copy of the forgoing notice was mailed this 18TH day of June, 1996, to the below named chief elected official in Storrs, Connecticut pursuant to Reg. Sec. 16-50j -73.

Town Council
c/o Hon. Fred A. Cazel, Jr.
Mayor
4 South Eagleville Rd.
Storrs, CT 06268


by: _____

George L. Davis
Public Safety
Engineer of Telecommunications

POWER DENSITY ANALYSIS

SITE NAME: STORRS
LATITUDE: 41:48:50.4
LONGITUDE: 72:15:35.9
TOWER HEIGHT: 290

FILE NAME: 66
PREPARED BY: ASC
DATE: 04/12/1994

NO	OPERATING FREQUENCY (MHz)	TRANSMIT POWER (EIRP)	ANTENNA CENTER LINE (FEET)	MAXIMUM PERMISSIBLE EXPOSURE (mW/cm2)	BASE OF THE TOWER POWER DENSITY (mW/cm2)	TOWER PERCENT OF LIMIT
4	866.0125	1640	266.5	0.5773	0.000791	0.136973
5	866.1375	1640	266.5	0.5774	0.000791	0.136953
6	821.0125	0	249.5	0.5473	0.000000	0.000000
7	821.1375	0	249.5	0.5474	0.000000	0.000000
8	866.3000	1640	268.0	0.5775	0.000782	0.135399
9	866.2750	1640	262.0	0.5775	0.000818	0.141675
10	821.3000	0	256.0	0.5475	0.000000	0.000000
11	821.2750	0	250.0	0.5475	0.000000	0.000000
12	931.6875	1640	224.0	0.6211	0.001119	0.180213
13	931.2875	1640	224.0	0.6209	0.001119	0.180290
14	72.0000	0	150.0	0.2000	0.000000	0.000000
15	855.0125	369	185.5	0.5700	0.000367	0.064428
16	91.7000	7544	305.0	0.2000	0.002777	1.388638
17	100.6000	410	211.0	0.2000	0.000315	0.157691
18	851.9650	0	70.0	0.5680	0.000000	0.000000
19	929.4125	1640	226.5	0.6196	0.001095	0.176688
20	158.1000	820	191.0	0.2000	0.000770	0.384888
1	6525.0000	15447	135.0	4.3500	0.000370	0.008512
2	6525.0000	15447	135.0	4.3500	0.000370	0.008512
3	6525.0000	8687	125.0	4.3500	0.000400	0.009193
21	18700.0000	31757	125.0	10.0000	0.001146	0.011460

PERCENT OF MAX. ALLOWABLE LIMIT FOR ALL 21 RADIO SYSTEMS = 3.121512

NOTES:

1. THE 'LIMITS OF MAXIMUM PERMISSIBLE EXPOSURE FOR UNCONTROLLED ENVIRONMENTS' HAVE BEEN DETERMINED IN ACCORDANCE WITH THE MAXIMUM PERMISSIBLE LEVELS DEFINED IN ANSI STANDARD C95.1-1991, ISSUED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.
2. POWER DENSITIES ARE CALCULATED IN ACCORDANCE WITH THE METHODS DEFINED IN FCC DOCUMENT 'OST BULLETIN NO. 65', OCTOBER 1985.
3. EIRP (EFFECTIVE ISOTROPICALLY RADIATED POWER) REFERENCES THE RADIATED POWER TO A POINT SOURCE, WHICH YIELDS POWERS 1.6406 TIMES HIGHER THAN ERP.

POWER DENSITY ANALYSIS

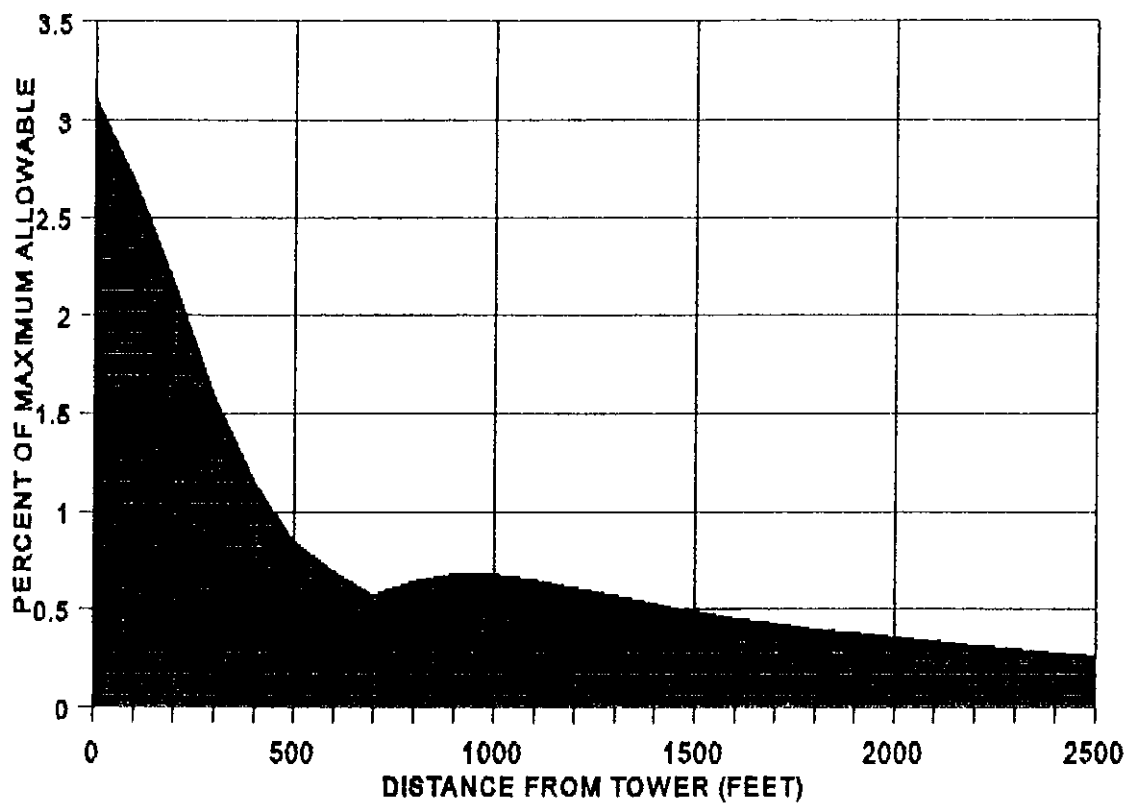
POWER DENSITY (% MAX.ALLOWABLE LIMIT) VS DISTANCE FROM THE TOWER BASE

SITE NAME:	STORRS	FILE NAME:	66
LATITUDE:	41:48:50.4	PREPARED BY:	ASC
LONGITUDE:	72:15:35.9	DATE:	04/12/1994
TOWER HEIGHT:	290		

DISTANCE (FEET)	POWER DENSITY (% MAX. ALLOWABLE LIMIT)
0	3.121512
100	2.687939
200	2.164462
300	1.586159
400	1.145505
500	0.847969
600	0.691228
700	0.568601
800	0.644571
900	0.677773
1000	0.674451
1100	0.647862
1200	0.611038
1300	0.569077
1400	0.526111
1500	0.490046
1600	0.456589
1700	0.426312
1800	0.401642
1900	0.378439
2000	0.356220
2100	0.335292
2200	0.315697
2300	0.297336
2400	0.280219
2500	0.264143

POWER DENSITY VS DISTANCE

STORRS SITE #66





STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC SAFETY

1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294

November 12, 1996

Mortimer A. Gelston
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RECEIVED

NOV 13 1996

Dear Chairman Gelston:

CONNECTICUT
SITING COUNCIL

On June 17, 1996 the Division of State Police filed a Notice of Intent to Erect Exempt Telecommunications Equipment at the WHUS Radio station telecommunications facility located on the University of Connecticut Campus at Storrs, Connecticut pursuant to Council Reg. Sec. 16-50j-73. At a public meeting held on July 2, 1996 the Council acknowledged the Notice of the Division of State Police.

Since that time the Division of State Police has reviewed its decision to place equipment on the WHUS tower. After discussions and consultations with Southern New England Telecommunications (SNET) the Division has decided to utilize an existing SNET tower located adjacent to the WHUS tower rather than the current WHUS tower. As a result please find attached an original and twenty copies of a Notice of Intent to erect exempt Telecommunications Equipment, pursuant to Siting Council Reg. Sec. 16-50j-73, on the SNET tower located on the campus of the University of Connecticut in Storrs, Connecticut. The Council's acknowledgment of the attached Notice would be appreciated.

Sincerely,

George Davis
Public Safety Engineer

cc: P. Seaha
File

STATE OF CONNECTICUT
SITING COUNCIL

Notice of Intent to Erect Exempt
Telecommunications Associated Equipment.

Pursuant to Conn. Gen. Stat. 16-50g et. Seq. and Sec. 16-50j-73 of the Regulations of the Connecticut Siting Council, the Connecticut Department of Public Safety, Division of State Police (State Police) hereby gives Notice of its intent to erect exempt telecommunications associated equipment on a Southern New England Telecommunications (SNET) Tower located on the campus of the University of Connecticut at Storrs, Connecticut. A plot plan is attached as ATTACHMENT A.

SNET tower is currently an active 80 foot lattice type telecommunications tower. Equipment on the tower consist of 9 panel antennas. The user of these antennas is Springwch Limited Partnership. The State Police proposes to install three 6 (six) foot dishes with radome on the tower as a temporary measure to complete a microwave loop in Eastern Connecticut. When the proposed WHUS/UCONN tower is completed the three dishes will be moved to the new tower. The installation of the dishes on the SNET tower is depicted in ATTACHMENT B.

The Division of State Police believes that the mounting of these antennas conforms to Siting Council Reg/ Sec. 16-50j-72 (b) for the following reasons.

1. The site is an existing, active Telecommunications Site.
2. The site boundaries will not be extended.
3. The height of the tower will not increase.
4. The proposed project will not increase noise levels at the existing facility by six decibels or more.
5. The radio sending or receiving capability of the facility will not increase the total radio frequency electromagnetic radiation power density measure at the tower site boundary to or above the standard considered by the State Department of Environmental Protection (DEP).

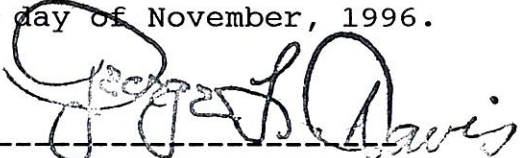
Included as ATTACHMENT C are the calculations for power density.

Included as ATTACHMENT C are the calculations for power density.

For all of the above stated reasons, the Division of State Police requests the Siting Council to rule that this Notice is in compliance with exception criteria for changes to an existing facility pursuant to Reg. Sec. 16-50j-72 (b.

Dated at Middletown, CT this 13TH day of November, 1996.

by:



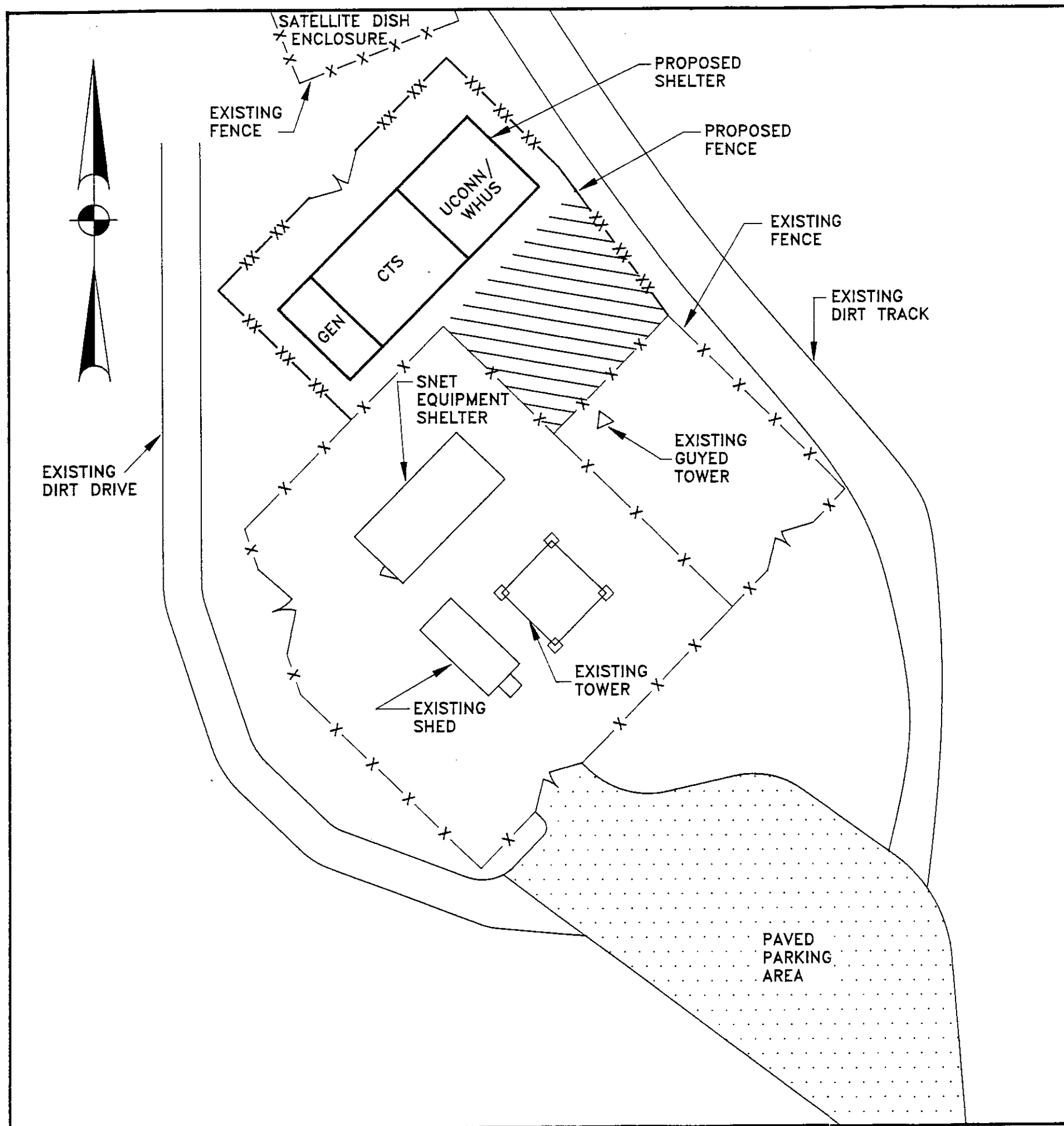
George L. Davis
Public Safety Engineer
of Telecommunications

CERTIFICATION

The undersigned certifies that a copy of the foregoing Notice was mailed this 13TH day of November 1996, to the below named Chief Elected Official in Storrs, Connecticut pursuant to Reg. Sec. 16-50j-73.

Town Council
c/o Hon. Fred A. Cazel, Jr.
Mayor
4 South Eagleville Road
Storrs. CT 06268

by: 
George L. Davis
Public Safety Engineer
of Telecommunications





ATTACHMENT A

NOTES:

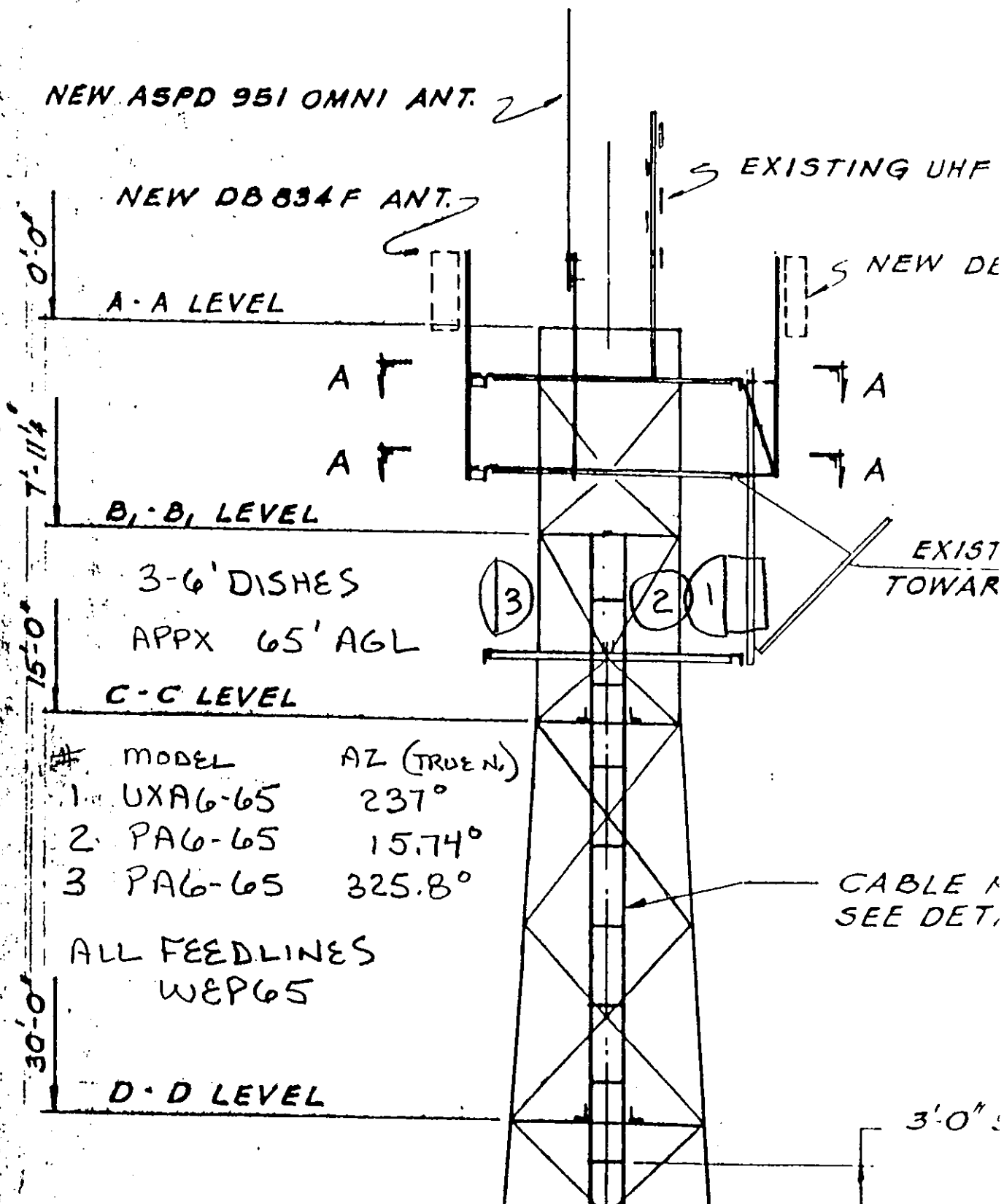
1. ARROW INDICATES TRUE NORTH.
2. ALL DIMENSIONS ARE IN FEET.



AREA ASSUMED FOR NEW GUYED TOWER

REV.	DESCRIPTION			DATE	APP.	
DRAWN	WLF	1/31/91	 <u>AEROFLEX SYSTEMS CORPORATION</u> An ARX Company			
DESIGNED	EHW	2/1/91				
CHECKED	JCM	2/1/91				
PROJECT APPROVED	EHW	2/1/91				
APPROVED FOR			SITE			
APPROVED FOR			TITLE			
APPROVED FOR			SITE PLAN			
APPROVED FOR			SIZE	PROJECT	DRAWING NUMBER	REV.
APPROVED FOR			B	CTS	066-200	0
APPROVED FOR			SCALE 			SHEET 1 of 1

TEMPORARY CTS ANTENNAS



ATTACHMENT C

POWER DENSITY ANALYSIS

=====

AT THE TOWER BASE, FOR EACH RADIO/ANTENNA SYSTEM

SITE NAME: SNET STORRS
TOWER HEIGHT: 80 FEET

PREPARED BY:
ON DATE: 10-31-1996

No	OPERATING FREQUENCY (MHz)	EIRP (WATTS)	DISTANCE TO BASE OF TOWER (FEET)	MAXIMUM PERMISSIBLE EXPOSURE (MW/SQ-CM)	AT THE BASE OF THE TOWER	
					POWER DENSITY (MW/SQ-CM)	PERCENT OF MAX. EXPOSURE
1	6585.0000	8860	60	4.390	0.0008375	0.0191
2	6545.0000	8752	60	4.363	0.0008356	0.0192
3	6795.0000	9434	60	4.530	0.0008375	0.0185

TOTAL PERCENT OF MAXIMUM PERMISSIBLE EXPOSURE FOR
UNCONTROLLED ENVIRONMENTS FOR ALL 3 RADIO SYSTEMS = 0.0567

- NOTES: 1. THE POWER DENSITIES REPRESENTING THE 'MAXIMUM PERMISSIBLE EXPOSURE FOR UNCONTROLLED ENVIRONMENTS' ARE CALCULATED IN ACCORDANCE WITH IEEE C95.1-1991 (REVISION OF ANSI C95.1-1982).
2. POWER DENSITIES ARE CALCULATED IN ACCORDANCE WITH THE METHODS DEFINED IN FCC DOCUMENT 'OST BULLETIN NO. 65', OCTOBER 1985.
3. EIRP (EFFECTIVE ISOTROPICALLY RADIATED POWER) REFERENCES THE RADIATED POWER TO A POINT SOURCE, WHICH YIELDS POWERS 1.6406 TIMES HIGHER THAN ERP.

POWER DENSITY ANALYSIS

=====

POWER DENSITY (% OF MAX. EXPOSURE VS DISTANCE FROM THE TOWER BASE)

 SITE NAME: SNET STORRS PREPARED BY:
 TOWER HEIGHT: 80 FEET ON DATE: 10-31-1996

DISTANCE (FEET)	POWER DENSITY (% OF MAX. EXPOSURE)
-----	-----
0	0.0567
50	0.0441
100	0.0296
150	0.0036
200	0.0026
250	0.0020
300	0.0015
350	0.0012
400	0.0010
450	0.0008
500	0.0007
550	0.0006
600	0.0005
650	0.0004
700	0.0004
750	0.0005
800	0.0006
850	0.0007
900	0.0009
950	0.0010
1000	0.0011
1050	0.0012
1100	0.0013
1150	0.0015
1200	0.0016
1250	0.0017



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

November 13, 1996

Honorable Fred A. Cazel, Jr.
Mayor
Town of Mansfield
4 South Eagleville Road
Storrs, CT 06268

RE: The Department of Public Safety, Division of State Police, notice of intent to modify and existing telecommunications facility located on the University of Connecticut Campus in Storrs, Connecticut.

Dear Mayor Cazel:

On November 13, 1996, the Connecticut Siting Council (Council) received a request from the Department of Public Safety, Division of State Police to modify an existing telecommunications facility located on the University of Connecticut Campus in Storrs, 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, November 21, 1996, at 1:30 p.m. in Hearing Room Three, Ten Franklin Square, New Britain, Connecticut.

Please inform the Council if you have any questions or comments regarding this modification of an existing facility.

Thank you for your cooperation and consideration.

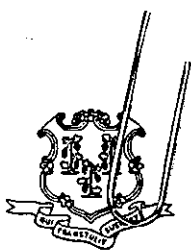
Very truly yours,

A handwritten signature in black ink, appearing to read "Joel M. Rinebold".

Joel M. Rinebold
Executive Director

JMR/ss

c: Martin H. Berliner, Town Manager, Mansfield, Connecticut



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

November 14, 1996

George L. Davis
Engineer of Telecommunications
Department of Public Safety
Division of State Police
P.O. Box 2794
Middletown, CT 06457-9294

Re: The Department of Public Safety, Division of State Police, notice of intent to modify an existing telecommunications facility located on the University of Connecticut Campus in Storrs, Connecticut.

Dear Mr. Davis:

Please be advised that Connecticut Siting Council (Council) staff will be conducting a field review of this site on Friday, November 15, 1996, at 1:00 p.m.

Connecticut State Police personnel will be necessary for this review.

If there are any questions regarding this matter, please contact me at the Council's office.

Very truly yours,



Stanley J. Modzelesky
Executive Secretary

SJM:RKE:mmmb



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

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

November 22, 1996

George Davis
Public Safety Engineer
Department of Public Safety
1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294

Re: Department of Public Safety, Division of State Police, notice of intent to modify an existing telecommunications tower and associated equipment located on the Campus of the University of Connecticut in Storrs, Connecticut.

Dear Mr. Davis:

At a meeting held November 21, 1996, the Connecticut Siting Council (Council) acknowledged your notice to modify an existing telecommunications facility located at the University of Connecticut Campus in Storrs, Connecticut, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modification is to be implemented as specified in your notice dated November 12, 1996. The modification is 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.

Please notify the Council when all work is complete.

Very truly yours,

A handwritten signature in dark ink, reading "Mortimer A. Gelston".

Mortimer A. Gelston
Chairman

MAG/RKE/ss

c: Honorable Fred A. Cazel, Jr., Mayor, Town of Mansfield
Martin H. Berliner, Town Manager, Town of Mansfield