

cc: Mr. Howard BB Packet 1/2/64

Dr. Thorn

FCC Form 340 Form Approved Budget Bureau No. 52-R097.14
 August 1969
 Section I UNITED STATES OF AMERICA
 FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A NONCOMMERCIAL EDUCATIONAL TV, FM, OR STANDARD BROADCAST STATION

INSTRUCTIONS

A. This form is to be used only in applying for authority to construct a new noncommercial educational TV, FM, or Standard broadcast station or to make changes in an existing station. This form consists of this part, Section I, and the following sections:

- Section II, Legal Qualifications of Broadcast Applicant
- Section III, Financial Qualification of Broadcast Applicant
- Section IV, Statement of Program Service of Broadcast Applicant
- Section V-A, Standard Broadcast Engineering Data
- Section V-B, FM Broadcast Engineering Data
- Section V-C, Television Broadcast Engineering Data
- Section V-G, Antenna and Site Information

B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy of Section I. Prepare one additional copy (a total of four) of Section V-G and associated exhibits. File all the above with the Federal Communications Commission, Washington, D. C. 20554.

C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Show date of preparation of each exhibit, antenna pattern, and map, and show date when each photograph was taken.

D. The name of the applicant stated herein shall be the exact corporate name, if a corporation; if an unincorporated association, the exact name of the association; if a governmental or public educational agency, the exact name of such agency. The applicant must notify the Commission of any change of address.

E. Information called for by this application which is already on file with the Commission need not be refiled in this application provided (1) the information is now on file in another application or FCC form filed by or on behalf of this applicant; (2) the information is identified fully by reference to the file number (if any), the FCC form number and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application the application or other form referred to in its entirety. Do not incorporate by reference any material which is not to be open to the public.

F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

G. Before filling out this application, the applicant should familiarize himself with the Communications Act of 1934, as amended, Parts 1,2,17, and 73 of the Commission's Rules and Regulations.

H. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.

FOR COMMISSION USE ONLY

File No.

1. Name of applicant (See Instruction D)
 Board of Education of the Bloomfield Hills School District

Street Address
 4175 Andover Road

City Bloomfield Hills	State Michigan	ZIP CODE 48013
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2. Name of person to whom communications should be sent, if different from item 1
 Dr. David A. Spencer

Street Address
 4175 Andover Road

City Bloomfield Hills	State Michigan	ZIP CODE 48013
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3. Purpose of application (check one)
 New Station Change existing station facilities

4. (a) Requested facilities
 Type of station (as Standard, FM, Television)
 FM Radio Broadcast

Frequency 88.1	Channel No. 201	Call sign --
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Effective radiated power in kilowatts, or power for standard broadcast stations 10 w	Antenna height above average terrain in feet (FM and TV only) 100 (AGL)
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Location of main studio	
State Michigan	City Bloomfield Hills

Location of transmitter		
State Michigan	County Oakland	City Bloomfield Hills

Number and street (or other indication of location)

b. If this application is for changes in an existing authorization, complete Section I and any other sections necessary to show all substantial changes in information filed with the Commission in prior applications or reports. In the spaces below check Sections submitted herewith and as to Sections not submitted herewith refer to the prior application or report containing the requested information in accordance with Instruction E.

Section No.	Para. No.	Reference (file or Form No. and Date)
<input checked="" type="checkbox"/> Section II		
<input checked="" type="checkbox"/> Section III		
<input checked="" type="checkbox"/> Section IV		
<input checked="" type="checkbox"/> Section V-G		

Have there been any substantial changes in the information incorporated in this application by reference in this paragraph?
 Yes No

If "Yes," submit as Exhibit No. full particulars.

Is this application filed for the purpose of impeding, obstructing or delaying determination on any other application with which it may be in conflict?
 Yes No

If "Yes," detail full particulars:

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 19th day of February, 19 74.

(This Section should not be dated and signed until all Sections and Exhibits have been prepared and attached)

Board of Education of the Bloomfield Hills School District (NAME OF APPLICANT)

By *Lawrence R. Howard* (SIGNATURE)

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

Secretary, Board of Education, Bloomfield Hills School District

If applicant is represented by legal or engineering counsel, state name and post office address: John F.X. Browne & Associates, Inc., 25 W. Long Lake Road, Bloomfield Hills

EXHIBITS furnished as required by this form:			48013
Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
1	II-3c-340	David A. Spencer (2)	Director of Secondary Education
2	II-14b-340	David A. Spencer (2)	Director of Secondary Education
3	IV-1-340	David A. Spencer (2)	Director of Secondary Education
4	IV-2-340	David A. Spencer (2)	Director of Secondary Education
5	IV-4-340	David A. Spencer (2)	Director of Secondary Education
	V-B	Browne & Associates, Inc.	Telecommunications Consultants/Engineers

LEGAL QUALIFICATIONS OF BROADCAST APPLICANT	Name of Applicant Board of Educa- tion of the Bloomfield Hills School District	FOR COMMISSION USE ONLY File No. _____
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INSTRUCTIONS

As used in this Section, the words "party to this application" mean: (1) in the case of a corporate applicant with outstanding stock, all officers, directors, stockholders of record, persons owning the beneficial interest in any stock, subscribers to any stock, and persons who voted any of the voting stock at the last stockholders meeting; (2) in the case of any other applicant which is not a governmental or public educational agency, all executive officers, members of the governing board; and owners or subscribers to any membership or ownership interest in the applicant; (3) in the case of an applicant which is a governmental or public educational agency, the members of the governing board and chief executive officers thereof.

1. Describe clearly and in detail the character and legal nature of the applicant (a corporation, unincorporated legal entity, or public body; a public or private educational institution; a State, county, city or other political subdivision, a board of education, school board or district, board of regents or trustees, or other department or unit of a state or one of its political subdivisions; a nonprofit corporation or unincorporated association formed for the purpose of operating a noncommercial educational broadcasting station) including the State, District, Territory or Possession under the laws of which the applicant is organized. **Legally constituted public school district under the Constitution of State of Michigan, 1963, Article 8, Education, Sections 1 and 2.**

2. a. State whether applicant is a nonprofit educational institution. **Public School District** Yes No

b. If the applicant is a nonprofit educational organization, describe in Exhibit No. _____ how the proposed station will be used for the advancement of an educational program. This does not apply if applicant is applying for change in facilities.

3. Submit as Exhibit No. **1** three copies, one of which must be properly certified of **(C)**

(a) If applicant is a corporation, the articles of incorporation (or charter) and the by-laws (with amendments to both, if any), certified by the Secretary of State or other appropriate official.

(b) If applicant is an unincorporated association, or other legal entity, the articles of association or other legal instrument under which applicant is organized showing the purposes thereof, and the by-laws, if any (with amendments to both, if any).

(c) If applicant is a public educational institution, the laws (and amendments thereof) under which it was created with an appropriate citation as to the source thereof.

(d) If the applicant is a political subdivision, or a board, department or unit thereof, the laws (and amendments thereof) under which said subdivision, board, department or unit was created with an appropriate citation as to the source thereof.

4. Indicate specifically by reference to page and paragraph of the articles of incorporation or of association, or of the political subdivision, the charter powers relied upon by the applicant to show that it is legally empowered to construct and operate the proposed station. **Constitution of the State of Michigan, 1963, Article 8, Education, Sections 1 and 2.**

5. Are all parties to this application citizens of the United States? Yes No

If "No," state the name and citizenship of each party who is not a citizen of the United States.

6. Is United States citizenship of any party to this application claimed by reason of naturalization? Yes No

If "Yes," state the name of such party, the date and place of issuance of final certificate of naturalization, certificate number, and name and location of the court authorizing issuance of same.

7. Is United States citizenship of any party to this application claimed by reason of naturalization of a parent? Yes No

If "Yes," state the name of such party, the name of the parent to whom the final certificate was issued, the age of the party to this application at the time the certificate was issued, and any additional facts relied on to establish citizenship.

8. a. Is applicant or any party to this application a representative of an alien or of a foreign government? Yes No

b. If applicant is a corporation, is more than 20 percent of the capital stock owned of record or may it be voted by aliens or their representatives, or by a foreign government or a representative thereof, or by any corporation organized under the laws of a foreign country? **N.A.** Yes No

c. If applicant is a corporation and is controlled by another corporation or corporations, is more than 25 percent of the capital stock of such controlling corporation or corporations owned of record or may it be voted by aliens, their representatives, or by any corporation organized under the laws of a foreign country? **N.A.** Yes No

d. If the answer to any of the foregoing parts of this paragraph is "Yes," submit as Exhibit No. _____ a full disclosure concerning the persons and matters involved. **N.A.**

9. a. Has the applicant or any party to this application been fully adjudged guilty by a Federal court of unlawfully monopolizing or attempting unlawfully to monopolize radio communications, directly or indirectly, through the control of the manufacture or sale of radio apparatus, through exclusive traffic arrangements, or by any other means, or to have been using unfair methods of competition? (See Section 313 of the Communications Act of 1934, as amended) Yes No

b. If "Yes," submit as Exhibit No. _____ a full disclosure concerning the persons and matters involved, identifying the court and the proceedings (by dates and file numbers) stating the facts upon which the proceeding was based or the nature of the offense committed, and the disposition of the matter. **N.A.**

10. Is applicant directly or indirectly controlled by another legal entity?

Yes No

If "Yes", state below the name of such other legal entity, and state how such control, if any, exists and the extent thereof.

Operation of School District subject to Michigan State Board of Education

11. Give the following information as to applicant's officers, members of governing board, and holders of 1% or more ownership interest (if any).

Name and Residence	Office Held	Citizenship	Principal Profession or Occupation	By whom appointed or elected
BOARD OF EDUCATION MEMBERS				
James K. Graham 575 Woodway Court Bloomfield Hills, Mi. 48013	President	U.S.A.		Electorate
H. Eugene Weiss 2877 Courville Bloomfield Hills, Mi 48013	Vice- President	U.S.A.		Electorate
Laurence R. Howard 1835 Lakeview Court Bloomfield Hills, Mi 48013	Secretary	U.S.A.		Electorate
C. Henry Haberkorn, 3rd 2750 Pine Lake Road Orchard Lake, Mi 48013	Treasurer	U.S.A.		Electorate
Charles L. Bowers, M.D. 3355 Franklin Road Bloomfield Hills, Mi 48013	Trustee	U.S.A.		Electorate
Lawrence E. Flora 1567 Island Lane Bloomfield Hills, Mi 48013	Trustee	U.S.A.		Electorate
Joan Ziegler 4106 Waterwheel Lane Bloomfield Hills, Mi 48013	Trustee	U.S.A.		Electorate
Dr. Fred D. Thorin	Superintendent	U.S.A.	Educator	Appointed by the Board of Education

12. Television applicants which are nonprofit organizations rather than governmental bodies or educational institutions submit as Exhibit No. N.A. evidence that officers, directors, and members of the governing board are broadly representative of the educational, cultural, and civic groups in the community. This does not apply if applicant is applying for change in facilities.

13. The Commission is seeking in this paragraph information as to contracts and arrangements now in existence, as well as any arrangements or negotiations, written or oral, which relate to the present or future ownership, control or operation of the station; the questions must be answered in the light of this instruction.

a. Applicant's control over the station is to be by reason of: (Indicate by check mark)

Ownership

Lease

Other Authority

b. Name and address of the owner of the station (if other than the applicant)

N.A.

c. Will the applicant have and maintain absolute control of the station, its equipment, and operation, including complete supervision of the programs to be broadcast?

Yes

No

If "No," explain.

d. Are there any documents, instruments, contracts or understandings relating to ownership, use or control of the station or facilities, or any right or interest therein?

Yes

No

If "Yes," attach as Exhibit No. three copies of all such documents, instruments or contracts and state the substance of oral contracts or understandings.

14. a. If the execution of this application was duly authorized by a governing body, give date and place of the meeting of said governing body.
 Bloomfield Hills Board of Education meeting held at 4200 Andover Road on February 19, 1974.

b. Submit as Exhibit No. 2 three copies, one of which must be certified, of the resolution showing: (i) a quorum of members having authority to act was present, (ii) the resolution was voted favorably by the members required, (iii) the officer executing the application was authorized to do so.

15. Does applicant or any party to this application have now, or has applicant or any such party had, any interest in, or connection with, the following:

a. Any standard, FM, or television broadcast station?

Yes

No

b. Any application pending before the Commission?

Yes

No

c. Any broadcast station the license or C.P. of which has been revoked:

Yes

No

If the answer to any of the foregoing parts of this paragraph is "Yes," show particulars in the table below:

(1) Name of party having such interest	(2) Nature of interest or connection (giving dates)	(3) Name of other applicant or call letters of station	(4) FCC File Number

FINANCIAL QUALIFICATIONS
OF BROADCAST APPLICANT

Name of Applicant **Board of Education of the
Bloomfield Hills School District**

FOR COMMISSION USE ONLY

File No.

INSTRUCTIONS

In the questions that follow, the Commission is seeking information as to contracts and arrangements now in existence, as well as any arrangements or negotiations, written or oral, which relate to the present or future financing of the station; the questions must be answered in the light of this instruction.

1a. Give estimated costs for installation of facilities and equipment for which application is made. The costs shown for the following must be the costs in place and ready for service, including the amounts for labor, supervision, materials, supplies, and freight. To the extent that all or part of the items below are covered by a contract or contracts containing a single quotation, the details of such contract or contracts shall be stated in lieu of the estimates called for below; but, in any event, the cost figures must represent costs in place and ready for service.

<p>Transmitter proper including tubes</p> <p>\$ 3350</p> <p><u>Installation costs</u> Labor \$ 200 Supervision \$ 50 Materials & supplies \$ 150 Freight \$ 200</p>	<p>Antenna system, including tower, antenna ground system, coupling equipment, transmission line</p> <p>\$ 3000</p> <p><u>Installation costs</u> Labor \$ 1000 Supervision \$ 50 Materials & supplies \$ 200 Freight \$ 75</p>	<p>Frequency and modulation monitors</p> <p>\$ 1695</p> <p><u>Installation costs</u> Labor \$ 50 Supervision \$ 50 Materials & supplies \$ 25 Freight \$ 50</p>	
<p>Studio technical equipment, microphones, transcription equipment, cameras, etc.</p> <p>\$ 8723</p> <p><u>Installation costs</u> Labor \$ 200 Supervision \$ 50 Materials & Supplies \$ 150 Freight \$ 120</p>	<p>Acquiring land</p> <p>\$ None</p>	<p>Acquiring, Constructing or Modifying buildings</p> <p>\$ 1500</p>	<p>Other items (state nature)</p> <p>\$ 850 Furniture</p>

Total Cost \$ 21,738 (plus \$3,262 contingency)

Give Estimated cost of operation for first year \$ 5000

1b. State the basis of the estimates in (1a.) above.

Manufacturers and suppliers estimates

1c. The proposed construction is to be financed and paid for in the following manner (including specified statements as to the approximate amount to be met and paid for from each source). The financial plan should provide for any additional construction costs should the actual cost exceed the original estimated cost.

Existing capital	New capital	Loans from banks or others	State, County, Municipal appropriations
\$ 25,000	\$	\$	\$
Federal Grants	Donations	Credit, deferred payments, etc.	Other sources (specify)
\$	\$	\$	\$

1d. Provide full information as to the sources of funds for the first year's operation of the proposed station, including the following:

Source	On hand	Anticipated	Total
(1) State, County, Municipal appropriations			
(2) Schools, colleges, or universities			
(3) Foundations (specify)			
(4) Civic Groups			
(5) Individual donations			
(6) Project Income (production services and contracts, tuition, study guides, non-broadcast activities, etc.)			
(7) Other Budget of School, (specify) first year of operation	\$5000.00		\$5000.00
TOTAL	\$5000.00		\$5000.00

2. With respect to the funds referred to in Question 1(c) and 1(d) above, furnish information showing the availability of such funds, including:

a. for governmentally appropriated funds, the date, amount, appropriating body, and object of the appropriation, with any restrictions thereon;

b. for other than governmentally appropriated funds or Federal grants, submit as Exhibit No. N.A. a detailed balance sheet of applicant, showing financial position as at the close of a month within 90 days of the date of application. If the status and composition of any assets and liabilities on the balance sheet are not clearly defined by their respective titles, attach as Exhibit No. _____ schedules which give a complete analysis of such items;

c. for all applicants, attach as Exhibit No. _____ a copy of the applicant's current annual budget, insofar as it relates to existing broadcasting operation(s). No existing broadcasting operations

3. Furnish the following information with respect to the non-governmental applicant only. If the answer is "None" to any or all items, specifically so state:

a. Amount of funds on deposit in bank or other depository

N.A.

b. Name and address of the bank in which deposited

N.A.

c. Name and address of the party in whose name the money is deposited

N.A.

d. Conditions of deposit (in trust, savings, subject to check, on time deposit, who may draw on account and for what purpose, or other condition)

N.A.

e. Whether the funds were deposited for the specific purpose of constructing and operating the station

N.A.

STATEMENT OF PROGRAM SERVICE
OF BROADCAST APPLICANTName of applicant Board of Education of
the Bloomfield Hills School District

FOR COMMISSION USE ONLY

File No.

1. Attach as Exhibit No. 3 the applicant's purpose and objective in establishing the proposed station and a statement of proposed program policies. If applicant already has such information on file, indicate file number and detail changes, if any.
2. Attach as Exhibit No. 4 a proposed weekly schedule of programs together with a brief description of programs not recognizable by their titles. (It is not expected that the licensee will or can adhere inflexibly in day-to-day operation to the representation made here. However, since such representation will constitute, in part, the basis upon which the Commission acts on the application, time and care should be devoted to the preparation of the reply so that it will reflect accurately the applicant's responsible judgment of his proposed programming policy.) If applicant already has such information on file, indicate file number and detail changes, if any.

NOTE: The following are examples of Program data:

1. Sources of programs are defined as follows:

A local program (L) is any program originated or produced by the station, employing live talent more than 50% of the time, and using the studios or other facilities of the station. A local program recorded or filmed by the station for later transmission shall be classified as local. A program produced by a station and fed to a network shall be classified by the originating station as local. Programs primarily featuring phonograph records, syndicated or feature films or taped or transcribed programs, shall not be classified as local even though a station personality appears incidentally to introduce such material.

A record program (REC) (Radio only) is any program, not falling within the definition of "local" above, which utilizes phonograph records, electrical transcriptions or taped music, with or without commentary by a local announcer, or other station personnel.

A network program (N) is any program furnished to the station by a network (national, regional or special) such as NET, NAEB Radio Tape Network, Eastern Educational Network, Educational Radio Network, etc.

Other Programs (OTHER) are any programs not defined above, including, without limitation, syndicated film, taped or transcribed programs, and feature films.

2. Types of educational programs are defined as follows:

Instructional (I) includes all programs designed to be utilized by any level of educational institution in the regular instructional program of the institution. In-school, in-service for teachers, and college credit courses are examples of instructional programs.

General Educational (GEN) is an educational program for which no formal credit is given.

Performing Arts (A) is a program, live or recorded, in which the performing aspect predominates such as drama or concert, opera or dance.

Public Affairs (PA) includes talks, discussions, speeches, documentaries, editorials, forums, panels, round tables, and similar programs primarily concerning local, national, and international affairs or problems.

Light Entertainment (LE) includes programs consisting of popular music or other light entertainment.

Other (O) includes all programs not falling within the definitions of Instructional, General Education, Performing Arts, Public Affairs or Light Entertainment. Such programs as news or sports should be reported as "other."

3. Will the applicant transmit any program which will promote any activity other than education in which the applicant or any party to the application is engaged or financially interested, whether directly or indirectly? Yes No
- If "Yes," submit as Exhibit No. N. List of such programs together with comments showing the relationship of the programs to the applicant's other interests.

4. Attach as Exhibit No. 5 a description of facilities, staff, and equipment available to the applicant for his development and production of program material. Include here such items as, for example, studio facilities; services subscribed to and libraries of program material maintained; cameras, tape recorders, remote equipment, etc.; staff personnel used in program production. If applicant already has such information on file, indicate file number and detail changes, if any.

5. Will the proposed station be affiliated with any network(s)? Yes No
- If "Yes," give the name of the network(s).

NOTE: The NET, NAEB Radio Tape Network, Educational Radio Network, and the Eastern Educational Network are examples of educational networks.

FCC Form 340		FEDERAL COMMUNICATIONS COMMISSION		Section V-15	
FM ENGINEERING DATA		Name of applicant SCHOOL DISTRICT OF THE CITY OF BLOOMFIELD HILLS		FOR COMMISSION USE ONLY File No.	
<p>1. Purpose of authorization applied for:</p> <input checked="" type="checkbox"/> Construct a new station <input type="checkbox"/> Make changes in authorized radio station If this is not for a new station, summarize briefly the nature of the changes proposed.					
2. Facilities requested			7a. Antenna structure		
Frequency 88.1 MHz		Transmitter power output 10 watts		Is the proposed construction in the immediate vicinity or does it serve to modify the construction of any standard broadcast station, FM broadcast station, television broadcast station, or other class of radio station? If "Yes", attach as Exhibit No. E-1 complete engineering data thereon. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. Proposed transmitter location			Submit as Exhibit No. E-2 a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features.		
State Michigan		County Oakland		City Bloomfield Hills	
Street Address (or other identification) Andover High School 4200 Andover Road			Overall height in feet above ground. (Without obstruction lighting) 100		Overall height in feet above mean sea level. (Without obstruction lighting) 1,023
Remote control point location			Overall height in feet above ground. (With obstruction lighting) 101		Overall height in feet above mean sea level. (With obstruction lighting) 1,024
State Michigan		City or town Bloomfield Hills			
Street Address (or other identification) Andover High School 4200 Andover Road			Height of antenna radiation center in feet above mean sea level. 1,018		
4. Proposed location of main studio					
State Michigan		County Oakland			
City or town Bloomfield Hills		Street Address 4200 Andover Road			
Other studios proposed Remote Studio at Lahser High School, 3456 Lahser Road, Bloomfield Hills, Michigan			Geographical Coordinates of Antenna (To nearest second) North Latitude 42°34'42" West Longitude 83°17'10"		
b. Antenna data					
Make RCA		Type No. or description BFH-2AD		No. of sections 2	
Effective free space field intensity at one mile in mv/m for one kilowatt antenna input power 137.5			Antenna field gain 1.0 (RMS)		Antenna power gain 1.0 (RMS)
5. Transmitter			Is horizontal polarization proposed? If "No", attach as Exhibit No. NA complete engineering data on the antenna and the effective radiated power proposed. Circular Polarization		
Make RCA		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Type No. BTE-10AT		Rated Power 10 watts			
(If the above transmitter has not been accepted for licensing by the F.C.C., attach as Exhibit No. NA a complete showing of transmitter details. Showing should include schematic diagram and full details of frequency control. If changes are to be made in licensed transmitter include schematic diagram and give full details of change.)			Is directional antenna proposed? If "Yes", attach as Exhibit No. E-3 complete engineering data thereon. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6. Transmission line proposed to supply power to the antenna from the transmitter			B. Attach as Exhibit No. E-4 a map(s) (topographic where obtainable, such as U.S. Geological Survey quadrangles) for the area within 15 miles of the proposed transmitter location and shown drawn thereon the transmitter and main studio locations accurately plotted.		
Make ANDREW		Type No. FHJ5-50A		Description Foam Helix Coaxial	
Size (nominal transverse dimension) in inches 0.875		Length in feet 125		Rated efficiency in percent for this length .707	
7. Attach as Exhibit No. E-5 a sufficient number of aerial photographs taken in clear weather at appropriate altitudes and angles to show the nature of the surrounding terrain in the vicinity of the proposed transmitter site. The photographs must be marked so as to show compass direction. Photographs taken in eight different directions from an elevated position on the ground will be acceptable in lieu of the aerial photographs if the area can be clearly shown. Give date photographs were taken. Photograph taken in 1966					

ANTENNA AND SITE INFORMATION (see instruction B, Section 1) Name of applicant **SCHOOL DISTRICT OF THE CITY OF BLOOMFIELD HILLS**

Legal Counsel

Address

Consulting Engineer
JOHN F. X. BROWNE & ASSOCIATES, INC.

Address **25 West Long Lake Road Bloomfield Hills, Mich. 48013**

Class of station "D" FM Broadcast Facility requested 10 watts, 100' AG

1. Location of antenna
State Michigan County Oakland City or Town Bloomfield Hills

Exact antenna location (street address) (If outside city limits, give distance and direction from, and name of nearest town)
**Andover High School
4200 Andover Road**

Geographic coordinates (to be determined to nearest second. For directional antenna give coordinates of center of array.) For single vertical radiator give tower location.

North latitude 42° 34' 42" West longitude 83° 17' 10"

3. Designation, distance, and bearing to center line of nearest established airway within 5 miles **Site is under V-11**

4. List all landing areas within 10 miles of antenna site. Give distance and direction to the nearest boundary of each landing area from the antenna site.

Landing Area	Distance	Direction
(a) <u>Oakland-Pontiac</u>	<u>8.3 miles</u>	<u>N 315° E</u>
(b) <u>Grand Prix</u>	<u>5.7 miles</u>	<u>N 117° E</u>
(c) <u>Big Beaver</u>	<u>8.5 miles</u>	<u>N 99° E</u>

5. Description of antenna system (If directional, give spacing and orientation of towers).

Type **RCA BFH-2AD** Circularly polarized two-element FM
Description of tower(s) **100 ft. self-supporting tower**

Tower (height figures should include obstruction lighting)	Guyed			Tubular (Pole)		
	#1	#2	#3	#4	#5	#6
Height of radiating elements	95 ft.					
Overall height above ground	101 ft.					
Overall height above mean sea level	1,024					

If a combination of Standard, FM, or TV operation is proposed on the same multi-element array (either existing or proposed) submit as Exhibit No. NA a horizontal plan for the proposed antenna system, giving heights of the elements above ground and showing their orientation and spacing in feet. Clearly indicate if any towers are existing.

Submit as Exhibit No. E-2 a vertical plan sketch for the proposed total structure (including supporting building if any) giving heights above ground in feet for all significant features. Clearly indicate existing portions, noting painting and lighting.

Is the proposed antenna system designed so that obstruction lights may be installed and maintained at the uppermost point(s)? Yes No

6. Is the proposed site the same or immediately adjoining the transmitter-antenna site of other stations authorized by the Commission or specified in another application pending before the Commission? Yes No

If the answer is "Yes", give: CALL LETTERS **KOD-700, KCU-262** FILE NUMBER

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

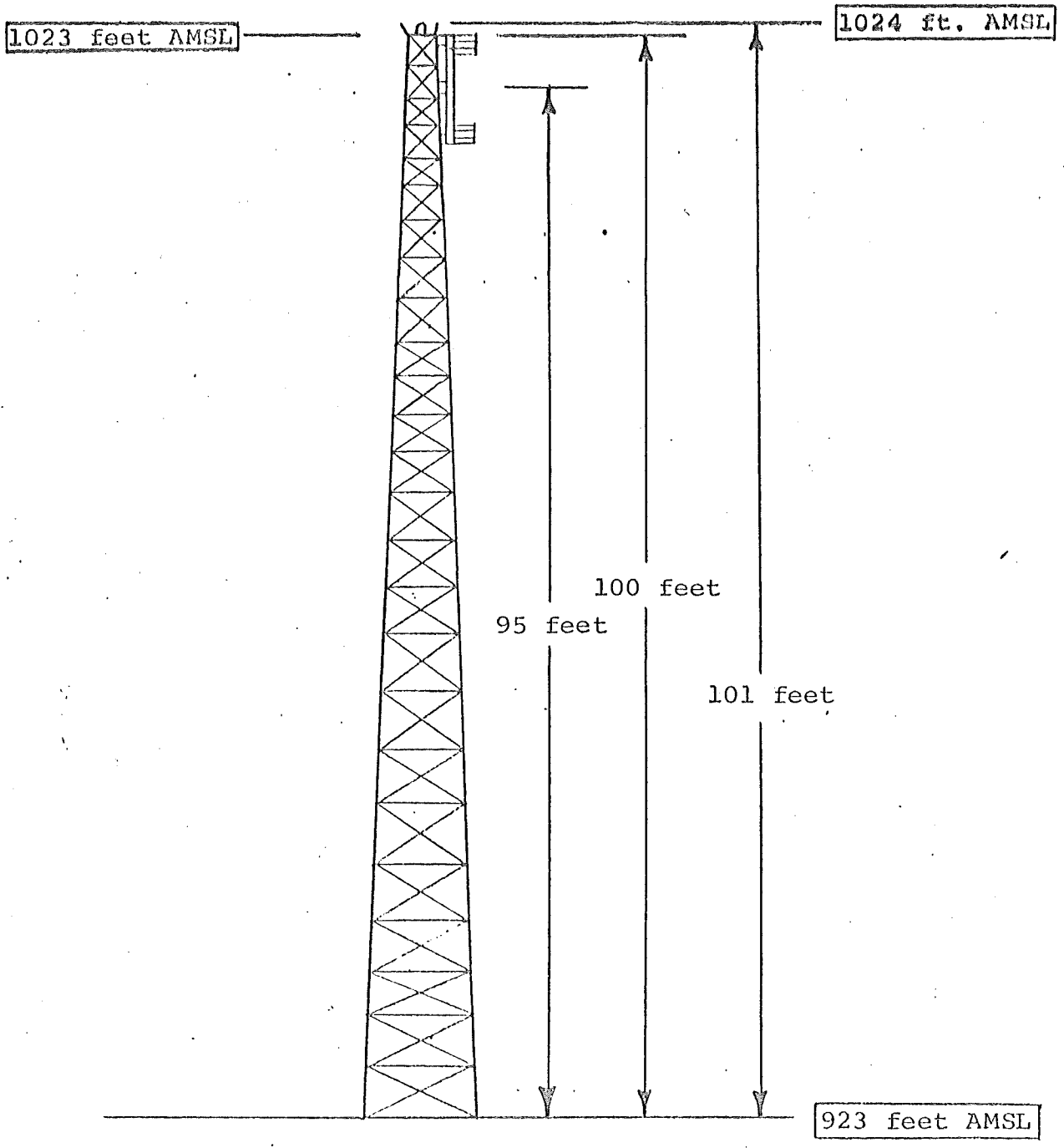
(date) Signature _____ (check appropriate box below)
 Technical Director Chief Operator Registered Professional Engineer Consulting Engineer

Purpose of application (Check appropriate box)
 a. New antenna construction
 b. Alteration of existing antenna structures
 c. Change in location

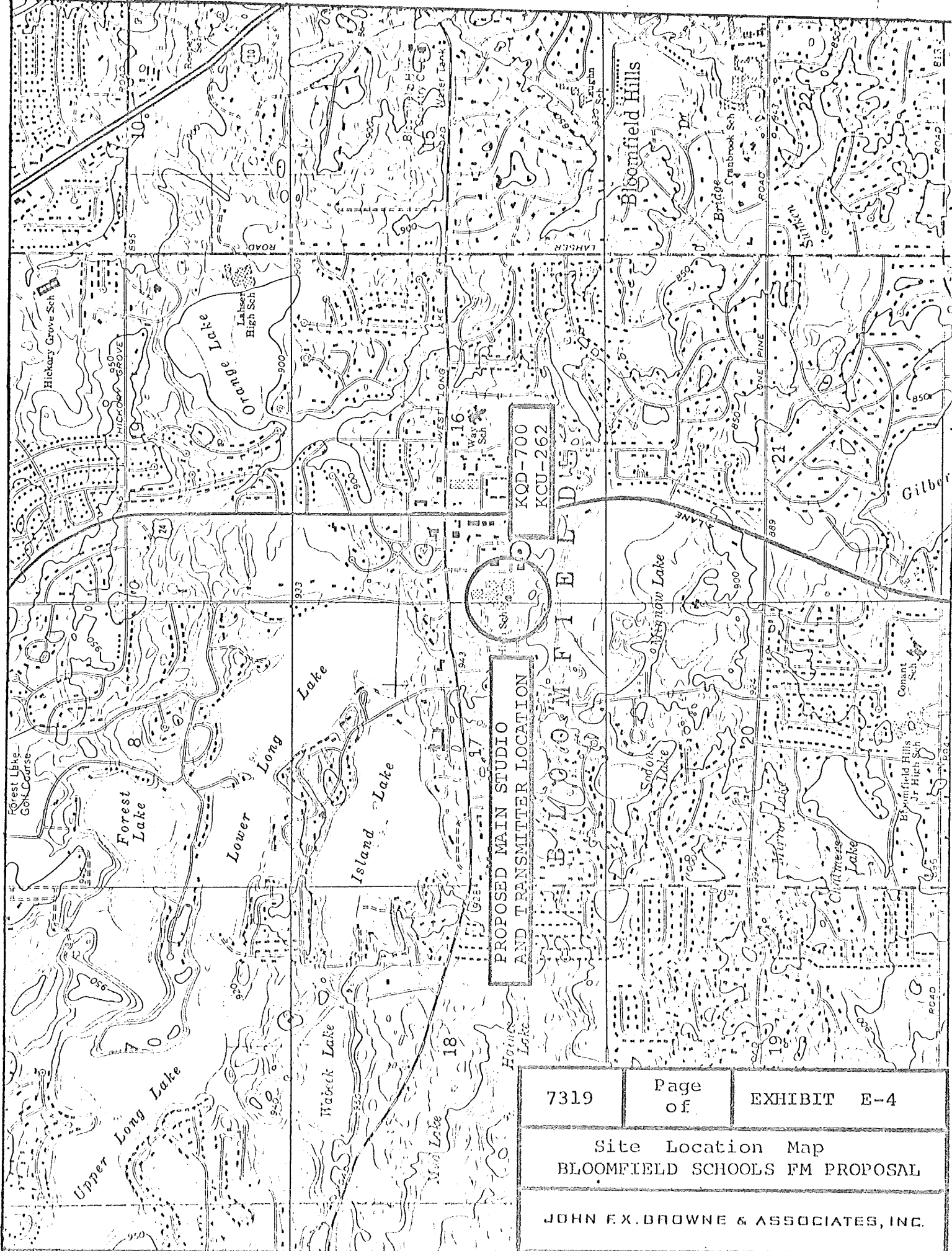
2. Features of surrounding terrain
 List any natural formations or existing man-made structures (hills, trees, water tanks, towers, etc.) which, in the opinion of the applicant, would tend to shield the antenna from aircraft and thereby minimize the aeronautical hazard of the antenna.

KOD-700 KCU-262 250' Painted and Lighted Tower 800' east of the Proposed Structure

Submit as Exhibit No. _____ a chart on which is plotted the exact location of the antenna site, and also the relative location of the natural formations and/or the existing man-made structures listed above.
 The chart used shall be an Instrument Approach Chart (or the landing chart on reverse side thereof), or a Sectional Aeronautical Chart, choice depending upon proximity of the antenna site to landing areas. 1/ In general, the Sectional Aeronautical Chart should be used only when the antenna site is more than 10 miles from a landing area or when an Instrument Approach Chart is unobtainable. 1/ These charts may be purchased from the U. S. Coast and Geodetic Survey, Washington 25, D. C.
 1/ Exception - Where the proposed antenna site is within the boundary of a landing area for which no Instrument Approach Chart is available, submit a self-made, large scale map showing antenna site, runway(s) and existing man-made structures listed above.



7319	Page of	EXHIBIT E-2
VERTICAL PLAN SKETCH BLOOMFIELD HILLS SCHOOLS FM		
JOHN EX. BROWNE & ASSOCIATES, INC.		



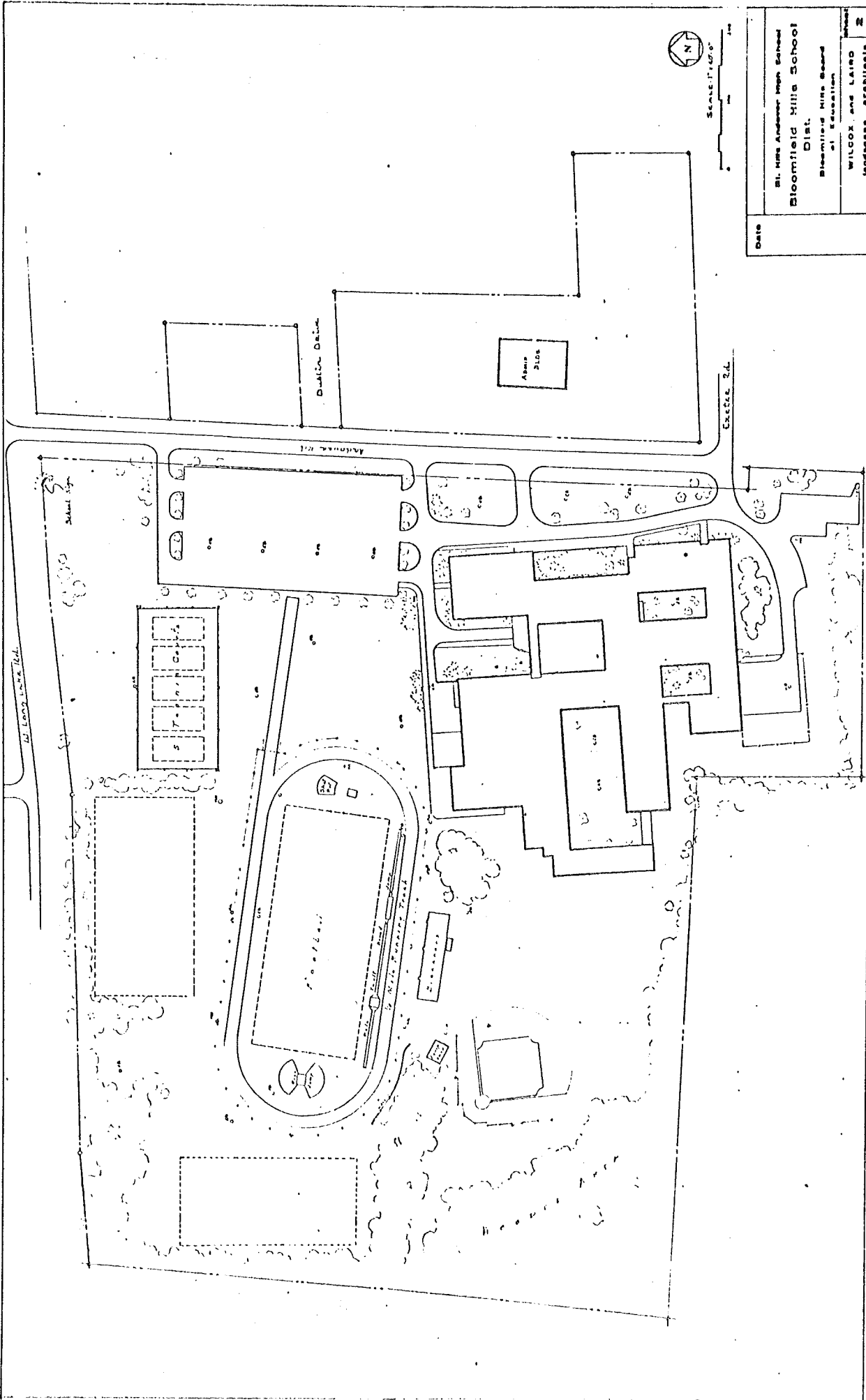
PROPOSED MAIN STUDIO
AND TRANSMITTER LOCATION

KQD-700
KCU-262

7319	Page of	EXHIBIT E-4
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Site Location Map
BLOOMFIELD SCHOOLS FM PROPOSAL

JOHN F.X. BROWNE & ASSOCIATES, INC.



Date	
St. Mrs. Andover High School Bloomfield Hills School Dist.	
Bloomfield Hills Board of Education	
WILCOX and LAIRD Landscape Architects	
	Sheet 2

Bloomfield Hills Andover High School

CONSTITUTION OF THE STATE OF MICHIGAN OF 1963

[Effective January 1, 1964]

Preamble.

We, the people of the State of Michigan, grateful to Almighty God for the blessings of freedom, and earnestly desiring to secure these blessings undiminished to ourselves and our posterity, do ordain and establish this constitution.

ARTICLE 8

Education

Encouragement of education.

Sec. 1. Religion, morality and knowledge being necessary to good government and the happiness of mankind, schools and the means of education shall forever be encouraged.

Free public elementary and secondary schools; discrimination.

Sec. 2. The legislature shall maintain and support a system of free public elementary and secondary schools as defined by law. Every school district shall provide for the education of its pupils without discrimination as to religion, creed, race, color or national origin.

Nonpublic schools, prohibited aid.

No public monies or property shall be appropriated or paid or any public credit utilized, by the legislature or any other political subdivision or agency of the state directly or indirectly to aid or maintain any private, denominational or other nonpublic, pre-elementary, elementary, or secondary school. No payment, credit, tax benefit, exemption or deductions, tuition voucher, subsidy, grant or loan of public monies or property shall be provided, directly or indirectly, to support the attendance of any student or the employment of any person at any such nonpublic school or at any location, or institution where instruction is offered in whole or in part to such nonpublic school students. The legislature may provide for the transportation of students to and from any school.

HISTORY: ratified Nov. 3, 1970, election.

State board of education; duties.

Sec. 3. Leadership and general supervision over all public education, including adult education and instructional programs in state institutions, except as to institutions of higher education granting baccalaureate degrees, is vested in a state board of education. It shall serve as the general planning and coordinating body for all public education, including higher education, and shall advise the legislature as to the financial requirements in connection therewith.

Superintendent of public instruction; appointment, powers, duties.

The state board of education shall appoint a superintendent of public instruction whose term of office shall be determined by the board. He shall be the chairman of the board without the right to vote, and shall be responsible for the execution of its policies. He shall be the principal executive officer of a state department of education which shall have powers and duties provided by law.

State board of education; members, nomination, election, term.

The state board of education shall consist of eight members who shall be nominated by party conventions and elected at large for terms of eight years as prescribed by law. The governor shall fill any vacancy by appointment for the unexpired term. The governor shall be ex-officio a member of the state board of education without the right to vote.

Boards of institutions of higher education, limitation.

The power of the boards of institutions of higher education provided in this constitution to supervise their respective institutions and control and direct the expenditure of the institutions' funds shall not be limited by this section.

Higher education institutions; appropriations, accounting, public sessions of boards.

Sec. 4. The legislature shall appropriate moneys to maintain the University of Michigan, Michigan State University, Wayne State University, Eastern Michigan University,

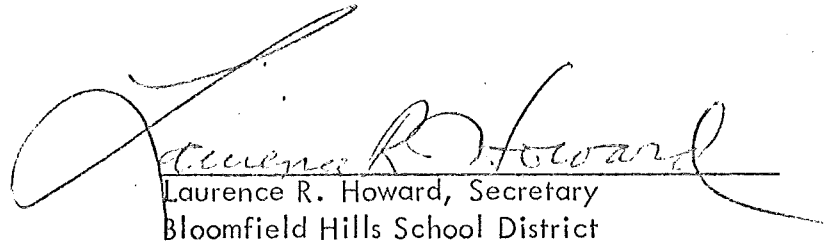


Exhibit #2
Board of Education of the
Bloomfield Hills School District
February 19, 1974
Section II-14-340

BOARD RESOLUTION

I, LAURENCE R. HOWARD, Secretary of the Board of Education of the Bloomfield Hills School District, certify that the following is a true and correct excerpt of the Minutes of said Board of Education held on February 19, 1974, at 4200 Andover Road, Bloomfield Hills, Michigan. All of the members of said Board were present, and the following resolution was duly offered, seconded and unanimously adopted:

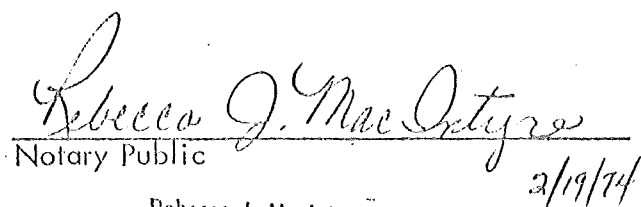
RESOLVED, that the Board authorize the Superintendent to file application for a license to operate an FM radio station at the Andover High School under the Federal Communications Commission.


Laurence R. Howard, Secretary
Bloomfield Hills School District

STATE OF MICHIGAN

COUNTY OF OAKLAND SS:

Laurence R. Howard, on the 19th day of February, 1974, personally appeared before me, a Notary Public and in and for said County, and who being first duly sworn, deposes and says that he is the Secretary of the Board of Education of the Bloomfield Hills School District and that the foregoing Certification by him subscribed is true and correct to the best of his knowledge.


Notary Public

Rebecca J. MacIntyre
Notary Public, Oakland County, Mich.
My Commission Expires 5-23-76

2/19/74

It will be the programming policy of the FM radio station at Andover High School to:

- present radio programming of interest to the people of the Bloomfield Hills School District and the students of the Bloomfield Hills Schools.
- inform the residents of the Bloomfield Hills School District with international, national, state, and local news, with special emphasis on the local news.
- present original drama and comedy programs written, produced, and performed by students.
- provide coverage of sports in the Bloomfield Hills School District including varsity and intramural events in the high schools and junior high schools.
- present programs covering political events in Bloomfield Township and the City of Bloomfield Hills, plus community information and news of Bloomfield Hills' community schools program.
- present educational programs as an extension of the high school curriculum as well as those of interest to the community in general.
- provide the community with official information from Bloomfield Hills Schools.
- provide the community with emergency information from Bloomfield Hills Schools.
- provide the teaching staff with in-service programs.

PURPOSE AND OBJECTIVES

The Bloomfield Hills Schools, in establishing an FM radio station, hope to achieve objectives in several areas:

1. Community Service
2. Dispersal of Official Information
3. Dispersal of Emergency Information
4. School Curriculum
5. Vocational Training

Community Service

An FM station would provide a source of community information for an area that has no newspaper or radio station of its own. It would provide coverage of local news of Bloomfield Township and the City of Bloomfield Hills, plus coverage of local fine arts and sports events with special emphasis on Andover High School and Lahser High School events. Also, the Recreation-Community Education programs would be covered.

Dispersal of Official Information

An FM station would provide a method of conveying official information from the Board of Education and the Superintendent of Schools in Bloomfield Hills to the community. This would be accomplished through coverage of Board of Education meetings plus programs prepared specifically by the Superintendent of Schools and his staff.

Dispersal of Emergency Information

An FM station would provide a method of conveying emergency information from school officials to the community. This information would include school closings for reasons of weather or building failure.

School Curriculum

An FM station would be a valuable addition to the school curriculum of Andover High School and Lahser High School. It would provide communication between

staff members and students relevant to course work. These presentations would be established to reach hundreds of students at the same time via the radio station during after-school hours. It also could be used to provide instructional programs to all junior high school students or all elementary school students at the same time during the school day. For example, a special program on science could be presented via the radio station to all students in the community's three junior high school biology classes simultaneously.

One additional probable use would be for teacher in-service. It would be used to provide in-service information to staff members in the district's 16 schools on a regular basis.

Vocational Training

The operation of an FM station would be a laboratory to prepare high school students for careers in broadcasting. Students would get practical experience in programming, news reporting, news writing, the delivery of news, copywriting, station management, and the maintenance and repair of station equipment. In addition, working with the station would prepare many students for careers in non-broadcasting fields by developing secretarial skills, administration and financial management skills, interviewing and reporting skills applicable to print journalism, writing skills, and technical skills generally applicable to the field of electronics.



Exhibit #4
Board of Education of the
Bloomfield Hills School District
February 19, 1974
Section IV-2-340

PROPOSED WEEKLY SCHEDULE

Monday through Friday

9:25 a.m. Sign-on

9:30 a.m. Comprehensive News Report

9:30 - 9:40 International and National

9:40 - 9:50 State and Local

9:50 - 10:00 Bloomfield Hills - Community and Schools

10:00 a.m. Music and Features (D.J. shows)

International - National News every hour on the hour (5 minutes)

State, Local, Community News every hour on the half hour (5 minutes)

Plus Special Features as listed:

School News	15 past hour	3-minute reports
Business News	15 before hour	

12:00 Noon News and Features Hour

12:00 - 12:10 International--National News

12:10 - 12:20 State, Local, Community News

12:20 - 12:30 Sports Report, National and Local School Sports

12:30 - 12:35 Bloomfield Hills Recreation Report

12:35 - 12:40 Bloomfield Hills Schools Report

12:40 - 12:45 Birmingham Schools Report

12:45 - 12:50 Pontiac Schools Report

12:50 - 12:55 West Bloomfield Schools Report

12:55 - 1:00 Troy Schools Report

1:00 p.m. - 6:00 p.m. Resumption of Music and Features Programming

6:00 p.m. - 7:00 p.m. News and Features Hour (identical to 12 Noon Report)

EVENING PROGRAMMING

Monday

- 7:00 - 7:15 p.m. Andover Report
- 7:15 - 7:30 p.m. Lahser Report
- 7:30 - 7:45 p.m. Junior High Schools Report (5 minutes each school)
- 7:45 - 8:00 p.m. School District Report
- 8:00 - 8:30 p.m. Educational Feature - in conjunction with school curricular and/or classroom activities
- 8:30 - 10:00 p.m. Evening Concert (Classical - Fine Arts Program)
- 10:00 - 10:15 p.m. News Final
- 10:15 - 10:20 p.m. Sign-off

Tuesday

- 7:00 - 7:30 p.m. Classroom Lecture Series (supplemental to high school class programming)
- 7:30 - 8:00 p.m. School District Public Affairs Program (i.e., School Board, Athletic Director Report, etc.)
- 8:00 - 8:30 p.m. Public Service Program (educational-informational enhancement)
- 8:30 - 10:00 p.m. Best of Broadway and Hollywood (musical feature with narration)
- 10:00 - 10:15 p.m. News Final
- 10:15 - 10:20 p.m. Sign-off

EVENING PROGRAMMING (continued)

Wednesday

- | | |
|--------------------|---|
| 7:00 - 7:30 p.m. | Classroom Lecture Series |
| 7:30 - 8:00 p.m. | School District Public Affairs Program |
| 8:00 - 8:30 p.m. | Public Service Program (educational and/or informational) |
| 8:30 - 10:00 p.m. | Jazz Concert (musical feature - D.J.) |
| 10:00 - 10:15 p.m. | News Final |
| 10:15 - 10:20 p.m. | Sign-off |

Thursday

- | | |
|--------------------|---|
| 7:00 - 7:30 p.m. | Classroom Lecture Series |
| 7:30 - 8:00 p.m. | School District Public Affairs Program |
| 8:00 - 10:00 p.m. | Easy Listening (musical feature - D.J.) |
| 10:00 - 10:15 p.m. | News Final |
| 10:15 - 10:20 p.m. | Sign-off |

Friday

- | | |
|---------------------|---|
| 7:00 - 7:45 p.m. | Music and Features - D.J. |
| 7:45 - 7:55 p.m. | Pre-Game Show |
| 7:55 - 10:00 p.m. | Live, Play-by-Game of Bloomfield Hills Sports |
| 10:00 - 12 midnight | Music and Features - D.J. |
| 12 midnight | Sign-off |

WEEKEND PROGRAMMING

Saturday

9:25 a.m. Sign-on

9:30 - 10:00 a.m. Comprehensive News Report

10:00 a.m. -
1:00 p.m. Music, Features - D.J.

International, National News every hour on the hour (5 minutes)
Local and School News every hour on the half hour (5 minutes)

1:00 - 3:00 p.m. Taped delayed broadcast of previous night's sports of away game
(play-by-play account)

3:00 - 7:00 p.m. Music, Features - D.J.

National News every hour plus:

3:30 p.m. Andover Report

4:30 p.m. Lahser Report

5:30 p.m. Andover Sport Show (Henderson, etc.)

6:30 p.m. Lahser Sport Show (Guthard, Ullenbruch, etc.)

7:00 p.m. -
12 midnight Music, Features - D.J.

National News every hour

7:30 p.m. Andover Reports

8:30 p.m. Lahser Reports

9:30 p.m. Birmingham Schools Reports

10:30 p.m. Pontiac Schools Reports

11:30 p.m. Bloomfield Hills Schools Reports



WEEKEND PROGRAMMING (continued)

Sunday

- | | |
|---------------------------|---|
| 9:25 a.m. | Sign-on |
| 9:30 a.m. | Comprehensive News Report |
| 10:00 - 11:00 a.m. | Contemporary Religious Features |
| 11:00 - 11:30 a.m. | School District in Perspective (Bloomfield Hills Schools feature) |
| 11:30 a.m. -
5:30 p.m. | Music, Features - D.J. |
| | National News every hour |
| 5:30 - 6:00 p.m. | Bloomfield Hills Community Report (information feature) |
| 6:00 - 6:15 p.m. | News Final |
| 6:15 p.m. | Sign-off |



Exhibit #5
Board of Education of the
Bloomfield Hills School District
February 19, 1974
Section IV-4-340

The proposed FM studio will be located at Andover High School. An area of the existing building will be renovated to provide approximately 600 square feet of space for the studio area in an area presently used for classrooms and offices. The equipment planned for the facility will include: modulation monitor, transmitter, antenna, transmission line, fittings and accessories, console, cartridge tape machine (playback and record), cartridge tape machine (playback only), cartridge tape eraser, 40-second cartridge tapes (50), 70-second cartridge tapes (50), turntable and tone arm (2), turntable pre-amplifiers (2), FM limiting amplifier, hook-up wire, equipment rack, patch panel, earphones, speaker and baffle, microphones (4), tape recorders (2), and remote amplifier.

The staff would be directed by Mr. William Rustemier, professional teacher with considerable experience in electronics, who is presently working toward obtaining the proper credentials for this position. Approximately 50 percent of his time will be devoted to the directorship. Students would be involved as general manager, finance director, personnel director, and maintenance staff members.