

10. Is a directional antenna proposed?

Yes No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

Yes No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

Yes No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

Yes No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

Yes No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.

- (1) Protected and interfering contours, in all directions (360), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibits(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

Yes No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No.
Eng. Fig. 3

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.
Eng. Fig. 2

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 4,761 sq. km. Population 122,961

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No.

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

Linearly interpolated 30-second database 7.5 minute topographic map

(Source: National Geophysical Data Center)

Other *(briefly summarize)*

SECTION V-B - FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 816 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
57.0*	136.9	22.40	38.02
0	124.8	21.42	36.47
45	131.5	21.97	37.34
90	170.6	24.87	41.82
135	172.9	25.02	42.05
180	160.3	24.15	40.74
225	138.8	22.55	38.25
270	118.4	20.88	35.65
315	143.3	22.90	38.80

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

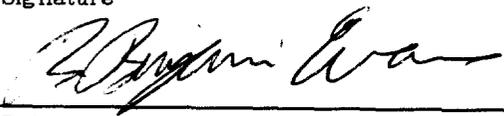
Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? Yes No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

If No, explain briefly why not. See Engineering Statement

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) B. Benjamin Evans	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer
Signature 	Address (Include ZIP Code) 216 N. Green Bay Road Thiensville, WI 53092
Date July 17, 1991	Telephone No. (Include Area Code) (414) 242-6000

NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION	Aeronautical Study Number
US Department of Transportation Federal Aviation Administration	

1. Nature of Proposal			2. Complete Description of Structure	
A. Type <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration	B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months)	C. Work Schedule Dates Beginning <u>Upon FCC Approval</u> End <u>6 Months Later</u>	A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM, or TV broadcast stations utilizing this structure. B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports. C. Include information showing site orientation, dimensions, and construction materials of the proposed structure.	

3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code)

(319) 752-7879
 area code Telephone Number

John T. Pritchard
 2212 Piper Place, Apt. #1
 Burlington, IA 52601

B. Name, address and telephone number of proponent's representative if different than 3 above.

Evans Associates
 216 N. Green Bay Road
 Thiensville, WI 53092
 (414) 242-6000

A single triangular cross section steel guyed tower with an FM antenna mounted on the side near the top. The station will operate on 103.1 MHz (FM broadcast) with 11.8 KW effective radiated power.

(if more space is required, continue on a separate sheet.)

4. Location of Structure			5. Height and Elevation (Complete to the nearest foot)	
A. Coordinates (To nearest second) 40° 44' 03" Latitude 91° 15' 14" Longitude	B. Nearest City or Town, and State Augusta, IA (1) Distance to 4B: 1.9 Miles (2) Direction to 4B: Northwest	C. Name of nearest airport, heliport, flightpark, or seaplane base Fort Madison Munic. (1) Distance from structure to nearest point of nearest runway: 6.2 mi (2) Direction from structure to airport: 220° T	A. Elevation of site above mean sea level: 675'	B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated: 448'
D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). <i>(if more space is required, continue on a separate sheet of paper and attach to this notice.)</i> On State Highway 16, 1.7 miles northwest of intersection of Highway 16 and U.S. Highway 61 in Green Bay Township, Lee County, Iowa (see attached topographic map).			C. Overall height above mean sea level (A + B): 1123'	

Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.

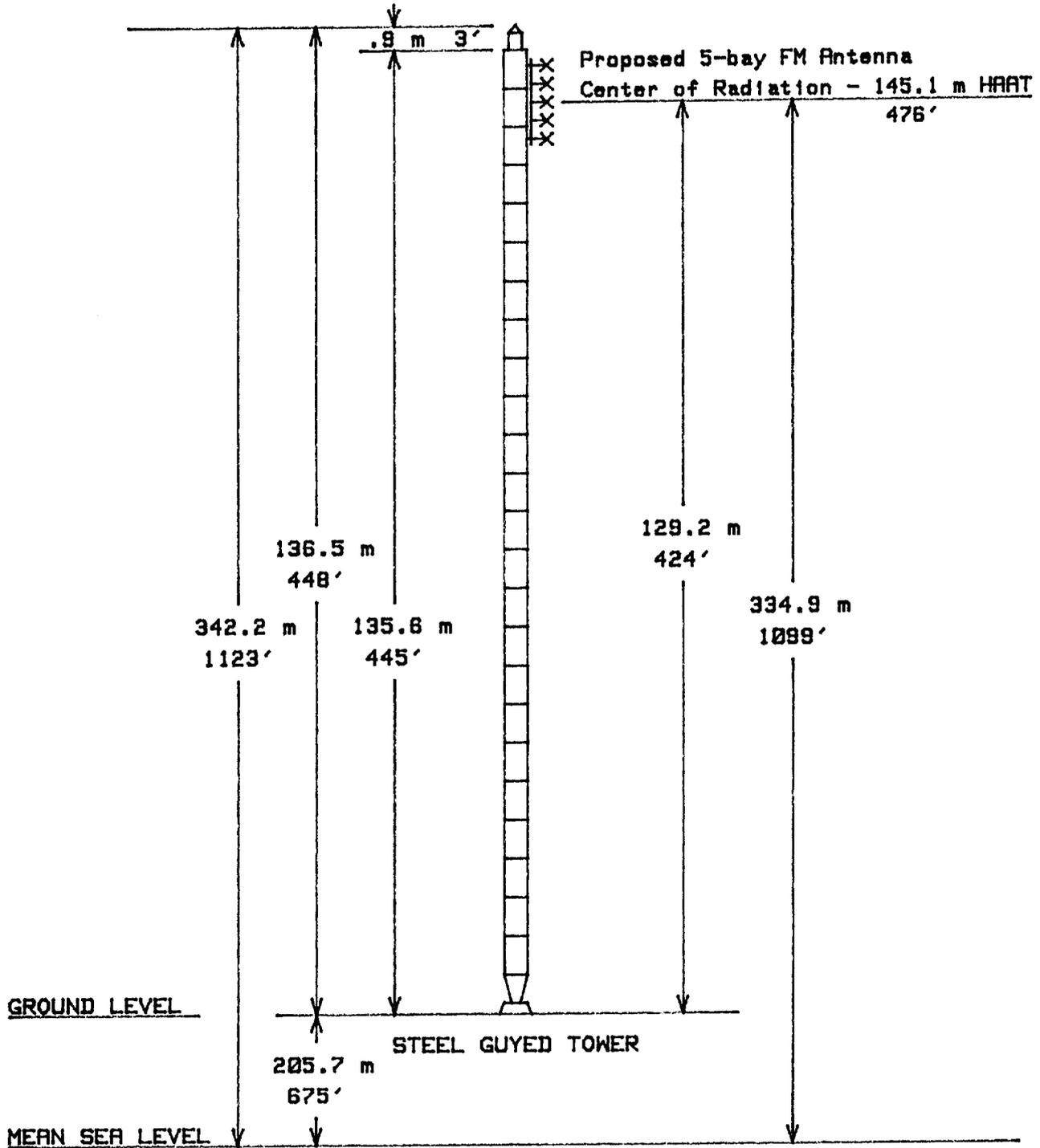
Date July 17, 1991	Typed Name/Title of Person Filing Notice B. Benjamin Evans/Consulting Engineer	Signature
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REMARKS:

This document is the property of the Federal Aviation Administration. It is loaned to you and is not to be distributed outside your organization. If you have any questions regarding this document, please contact the FAA.

Issued In	Signature	Date
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FIGURE 1



VERTICAL PLAN SKETCH OF ANTENNA STRUCTURE

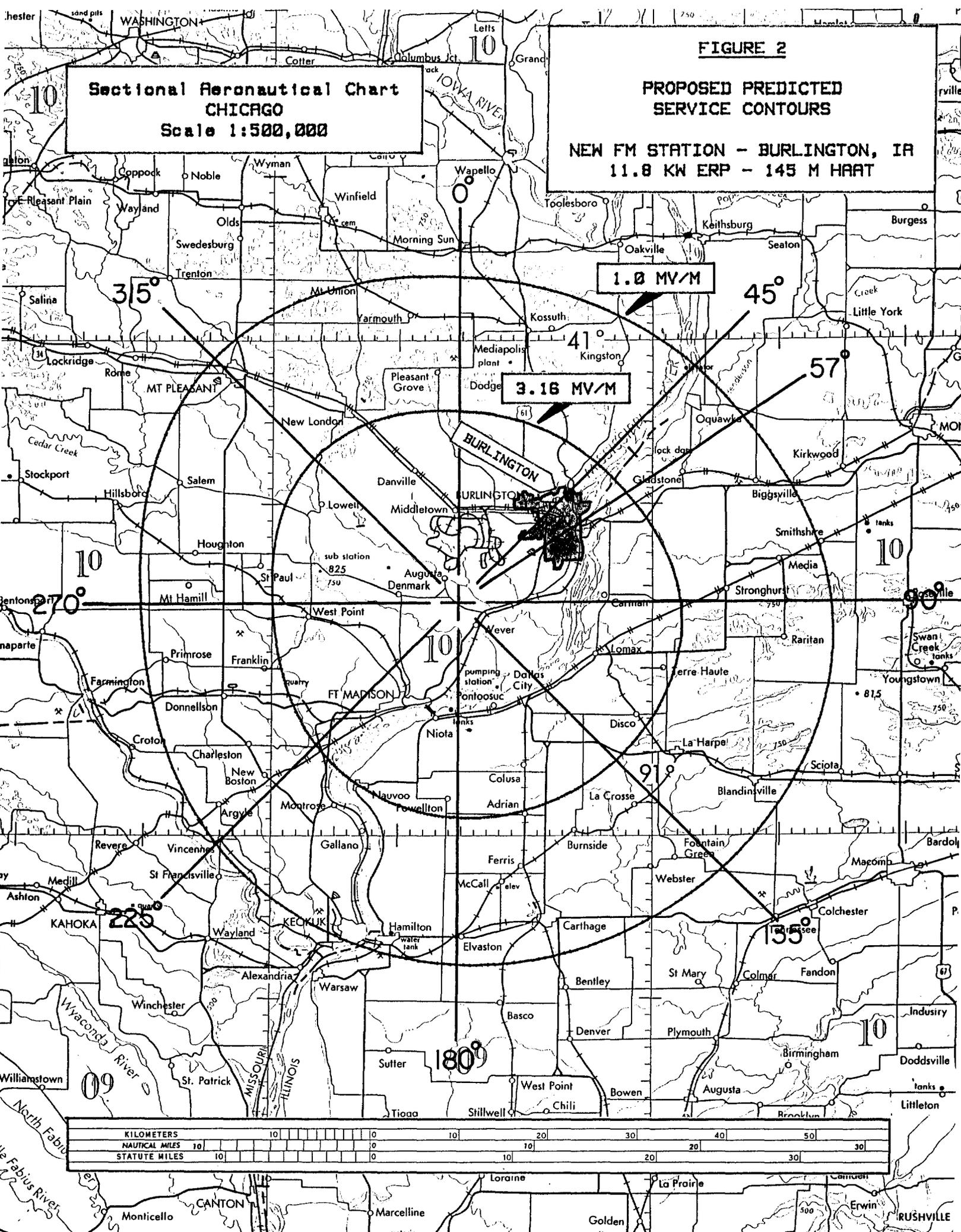
New FM Station
Burlington, Iowa
11.8 KW E.R.P. 103.1 MHz

**Sectional Aeronautical Chart
CHICAGO
Scale 1:500,000**

FIGURE 2

**PROPOSED PREDICTED
SERVICE CONTOURS**

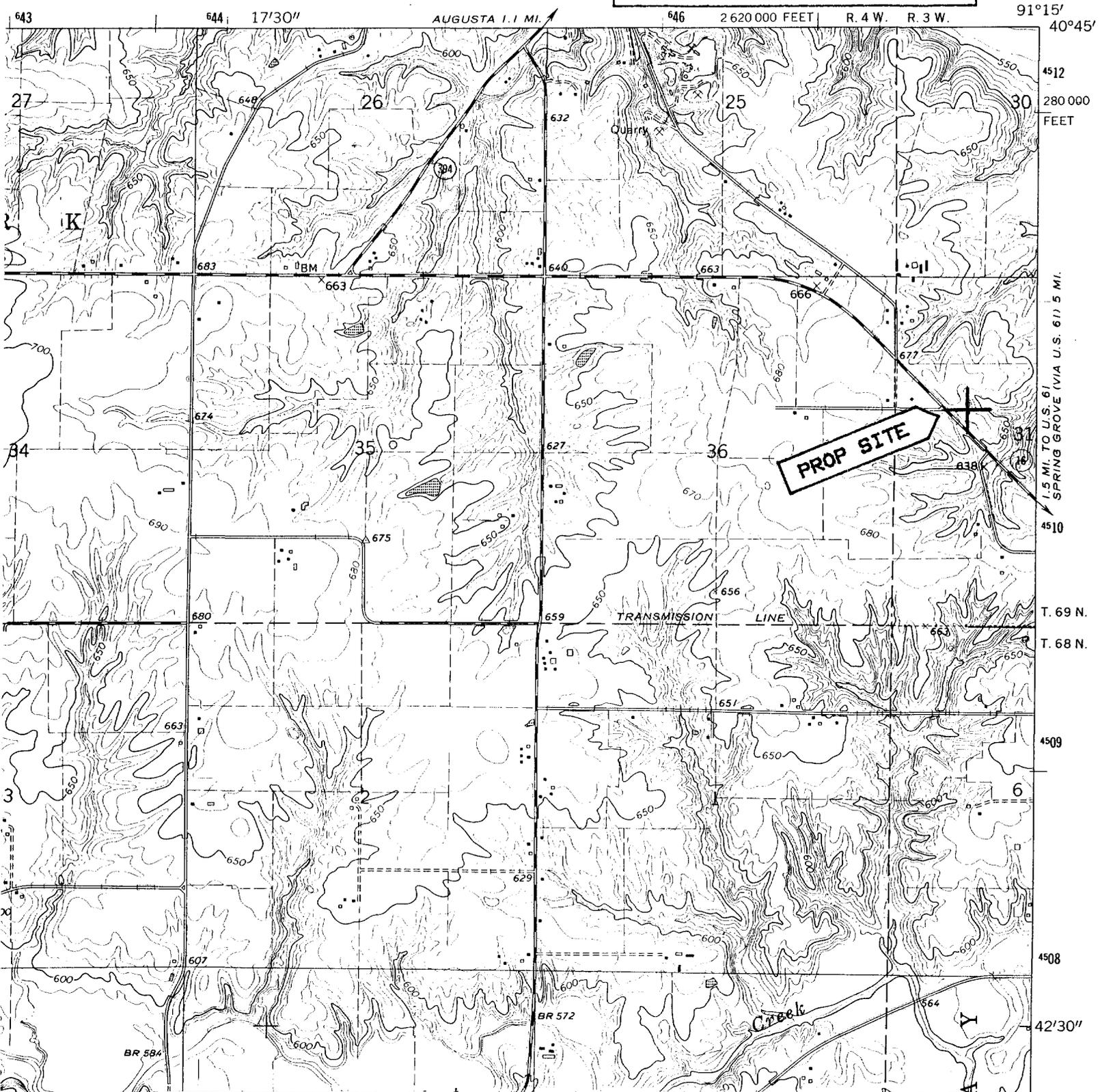
**NEW FM STATION - BURLINGTON, IA
11.8 KW ERP - 145 M HAAT**



FORT MADISON QUADRANGLE
IOWA-ILLINOIS
7.5 MINUTE SERIES (TOPOGRAPHIC)

FIGURE 3
TOPOGRAPHIC MAP SHOWING
PROPOSED SITE
NEW FM STATION - BURLINGTON, IA

WEST B1
7765



SCALE 1:24 000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

91°15'
40°45'
4512
280 000
FEET
1.5 MI. TO U.S. 61
SPRING GROVE (VIA U.S. 61)
4510
T. 69 N.
T. 68 N.
4509
4508
42°30''
4507

EVANS ASSOCIATES
Consulting Engineers

FM FREQUENCY ALLOCATION STUDY

Channel: 276C3 (103.1 MHz)

Coordinates: 40 - 44 - 3 91 - 15 - 14

Job Title: JOHN PRITCHARD - BURLINGTON IA

φ indicates 73.215 Facility
Cl.A Spacing: CURRENT

CALL STATUS	φ CITY STATE	FCC#	CH/CL-ZN COMMENTS	ERP-kw	HAAT-m	DA	LATITUDE LONGITUDE	BEAR-to -from-°T	DIST-km CLEAR-km	REQ -km
WJEQ CP	Macomb IL		274B1 BPH881011IL>From Channel 276	25.	82		40 29 0 90 38 19	118.0° 298.4°	59.1 +9.5	49.5
KQCR LIC	Cedar Rapids IA		275C1 BLH6684 >	100.	119		42 4 51 91 41 45	346.5° 166.3°	154.1 +10.5	143.5
WJEQ LIC	Macomb IL		276A BLH830214AM>*TO CHANNEL 274B1 PE	3.00	88		40 29 0 90 38 19	118.0° 298.4°	59.1\	
KDMGFM CP	Pella IA		277C BPH881021IC>From Channel 277C1 p	100.	318		41 32 18 93 17 58	298.2° 116.8°	193.6 +18.1	175.5
KUUL LIC	Davenport IA		279C BLH821112AR>	100.	363		41 32 49 90 28 35	35.5° 216.0°	111.4 +15.9	95.5

>> *** CHANNEL SUITABLE FOR ASSIGNMENT *** <<