

FOR
FCC
USE
ONLY

FCC 349
**APPLICATION FOR AUTHORITY TO
CONSTRUCT
OR MAKE CHANGES IN AN
FM TRANSLATOR OR FM BOOSTER STATION**

FOR COMMISSION USE ONLY

FILE NO.

20000327AA I

Section I - GENERAL INFORMATION

1. APPLICANT NAME (Last, First, Middle Initial)

SUPERIOR COMMUNICATIONS

MAILING ADDRESS (Line 1) (Maximum 35 characters)

3302 N. VAN DYKE

MAILING ADDRESS (Line 2) (Maximum 35)

CITY

IMLAY CITY

STATE OR COUNTRY (if foreign address)

MI

ZIP CODE

48444

TELEPHONE NUMBER (include area code)

810 724 2638

CALL LETTERS OR OTHER FCC IDENTIFIER (IF

2. A. Is a fee submitted with this application?

☐

Yes

☒

No

B. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1112).

☐

Governmental Entity

☒

Noncommercial educational licensee

☐

Other (Please explain):

C. If Yes, provide the following information:

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in the "Mass Media Services Fee Filing Guide." Column (B) lists the Fee Multiple applicable for this application. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number listed in Column (B).

(A)

FEE TYPE CODE		

(B)

FEE MULTIPLE (if required)			
0	0	0	1

(C)

FEE DUE FOR FEE TYPE CODE IN COLUMN (A)
\$

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3. This application is for: (check one box):

☒

FM Translator

☐

FM Booster

A. Channel No.

208

B. Community of license:

City

GARFIELD TOWNSHIP

State

MI

Section I - Page 2

C. Check one of the following boxes:

- ☒ NEW station
- ☐ MODIFICATION of Construction Permit (CP)
(Check this box only if a license for this particular CP has not been granted)

File No. of Construction Permit: _____

☐ MAJOR CHANGE in licensed facilities; call _____

☐ MINOR CHANGE in licensed facilities; call sign: _____

☐ AMENDMENT of pending application

Application Reference No. _____

For amendments to a previously filed application, submit complete Form 349.

D. NATURE OF PROPOSED MODIFICATION, CHANGE OR AMENDMENT

- | | |
|--|--|
| <input type="checkbox"/> Change Frequency | <input type="checkbox"/> Relocate Station |
| <input type="checkbox"/> Change Antenna System | <input type="checkbox"/> Change Equipment |
| <input type="checkbox"/> Change Power | <input type="checkbox"/> Other (specify in an Exhibit) |

Exhibit No. _____

4. (a) To the applicant's knowledge, is this application mutually exclusive with a renewal application?

☐ Yes ☒ No

(b) To the applicant's knowledge, is this application mutually exclusive with another application?

☐ Yes ☒ No

If the answer to question 4(a) or 4(b) is Yes, state the following information:

Call Letters or File No.	Community of License	
	City	State
(a)		
(b)		

Section II - ENGINEERING DATA AND ANTENNA AND SITE INFORMATION

1. Facilities requested:

(a)	Output Channel No. 208	Frequency 89.5 MHz	City GARFIELD TOWNSHIP	Proposed Community(ies) To Be Served	State MI
Primary Station (station to be rebroadcast)					
(b)	Call Sign WTLI	City BEAR CREEK TOWNSHIP	State MI	Output Channel No. 207	Frequency 89.3 MHz
Intermediate translator station - if station is to operate via another translator station					
(c)	Call Sign	City	State		
Alternative Signal Delivery					
(d)	<input type="checkbox"/> Satellite Feed	<input type="checkbox"/> Microwave	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Not Applicable	


2. Proposed transmitting antenna location:

City TRAVERSE CITY	State MI	County GRAND TRAVERSE
Address or other description of location: RT2 CEDAR RUN RD. (3 MI WEST OF TRAVERSE CITY)		Geographical coordinates of transmitting antenna to nearest second (see Instructions) North Latitude 44° 45' 43" West Longitude 85° 40' 53"

Attach as an Exhibit a map or maps (such as the Geological Survey topographic quadrangle map) of the area of the proposed transmitting antenna location, showing thereon the following data:

- Scale in kilometers
- Proposed transmitting antenna location accurately plotted.

For applicants proposing changes that will result in change of coverage, include in this Exhibit the location of the proposed and existing transmitting antenna sites and the proposed and existing coverage contours. See 47 C.F.R. Section 74.1233(a).

3. Transmitter:	Make SUPERIOR BDCST PROD.	Type No. 120		Output Power P 0.034 kilowatts
4. Transmission Line:	CABLEWAVE	FLC12-505	Length 84 meters	Rated efficiency E for length given (decimal fraction) 0.652

Section II - Page 2

5. Transmitting antenna ☐ Directional "Off-the-shelf" (Submit Manufacturer's) ☐ Directional Composite (Multiple Antennas) (Submit Manufacturer's) ☒ Non-directional

Manufacturer OMB	Model MP-1	Description ^{1/} CP 1BAY
Overall structure height above ground ^{2/} 180 meters	Elevation of Site ^{3/} 326 meters	Power Gain G ^{4/} H .46 V .46

Effective radiated power (ERP) .01 kilowatts (H)	Height of antenna radiation center 74 meters (H)
.01 kilowatts (V)	74 meters (V)
	above mean sea level 400 meters (H)
	400 meters (V)

1/ Give basic type using general descriptive terms such as half-wave dipole, "bow-tie" with screen, corner reflector, 10 element Yagi, 4 element in-phase array, two stacked 5 element Yagis, etc.

2/ Show height to topmost portion of structure in meters, including highest top mounted antenna and beacon, if any.

3/ Show the ground elevation above mean sea level in meters at the base of the transmitting antenna supporting structure.

4/ Use the multiplier in lobe of maximum radiation relative to a halfwave dipole. Give the actual power gain toward the radio horizon.

6. Attach as an Exhibit a vertical plane sketch for the proposed total structure(s), including supporting structure(s), giving height of center of radiation above ground, overall height of structure above ground, including lighting beacon (if any) and height above mean sea level in meters for all significant features for BOTH RECEIVING AND TRANSMITTING ANTENNAS. Also indicate any horizontal separation between receiving and transmitting antennas.

Exhibit No. **2**

7. Will the proposed antenna supporting structure be shared with an AM radio station?

☐ Yes ☒ No

If Yes, list the call sign(s) and class of such station(s).

8. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Sections 73.316(c)(1)-(c)(3), including plot(s) and tabulations of the relative field. See Instructions for Section II - Engineering Data, paragraph (A).

Exhibit No.

9. Are there any terrain features between the proposed transmitting site and the community to be served which would interfere with line-of-sight transmission to any part of the principal community?

☐ Yes ☒ No

Exhibit No.

Section II - Page 3

10. Supply terrain and coverage data (to be calculated in accordance with 47 C.F.R. Section 73.313).

☒ Linearly interpolated 30-second database (Source NGDC)

☐ 7.5 minute topographic

☐ Other (briefly)

Radial bearing (degrees True) ^{1/}		Average Elevation of Radial in meters (3 to 16 km) AMSL	Height of Radiation Center above average elevation of radial from 3 to 16 km (meters)	Predicted distance to the protected contours (0.5, 0.7 or ^{2/} 1.0 mV/m) (kilometers)
Booster	Translator			
0	0	238.4	161.5	7.3
45	30	184.9	215.1	8.6
90	60	183.7	216.3	8.6
135	90	185.0	215.0	8.6
180	120	228.4	171.6	7.6
225	150	238.9	161.1	7.3
270	180	275.0	125.0	6.5
315	210	265.3	134.7	6.7
	240	263.8	136.2	6.8
	270	269.0	131.0	6.6
	300	244.6	155.4	7.2
	330	230.7	169.3	7.5

1/ Additional radial(s) and related information should be provided when necessary to show interference protection.

2/ Protected contours vary depending on the class of station involved. Commercial Class B FM stations - protected contour 0.5 mV/m; Commercial Class B1 FM stations - protected contour 0.7 mV/m; all other classes of FM stations - protected contour 1 mV/m.

Based on the figures obtained from the above table, calculate the appropriate coverage contours of the translator station (see 47 C.F.R. Section 73.333) and answer questions 11 and 12.

11. 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.

N/A NCE

(a) the proposed coverage contour; and

(b) the protected contour of the licensed primary station to be rebroadcast. (If the primary station is authorized with facilities in excess of those specified by 47 C.F.R. Section 73.211, see Note to 47 C.F.R. Section 74.1231(h).)

N/A NCE

12. Based on the above, is the area to be served by the translator or booster station entirely within the primary station's protected contour?

☐ Yes ☐ No

13. Is the applicant specifying a channel that is 53 or 54 channels removed from the channel of any FM radio broadcast station in the area of operations?

☐ Yes ☒ No

If Yes, attach an Exhibit showing compliance with 47 C.F.R. Section 73.207.

Exhibit No.

(Translators will be treated as Class A stations provided, however, that translators operating with less than 100 watts ERP will be treated as Class D stations and will not be subject to I.F. frequency separation requirements. (See 47 C.F.R. Section 74.1204(g).)

Section II - Page 4

14. Does the applicant have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station? See 47 C.F.R. Section 74.1232(b).

☐ Yes ☒ No

If Yes, submit an Exhibit, showing the technical need for the additional translator.

Exhibit No.

15. For non-commercial educational applicants intending to operate on reserved channels 201-220, will the proposed operation be within the threshold distance of a TV Channel 6 station as set forth by 47 C.F.R. Section 74.1205(a)?

☒ Yes ☐ No

If Yes, submit an Exhibit showing compliance with paragraph (b), (c), or (d) of 47 C.F.R. Section 74.1205.

Exhibit No.

3

If applicant's compliance is based on 47 C.F.R. Section 74.1205(b), the applicant certifies that it has coordinated its antenna with the affected TV Channel 6 station.

☐ Yes ☐ No

16. Has the FAA been notified of proposed construction?

☐ Yes ☒ No

If Yes, give date and office where notice was filed:

17. Environmental Statement (see 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within 47 C.F.R. Section 1.1307, such that it may have a significant environmental impact, including exposure to workers or the general public, to harmful nonionizing radiation levels?

☐ Yes ☒ No

If Yes, submit as an Exhibit an Environmental Assessment as required by 47 C.F.R. Section 1.1311. If No, explain briefly why not.

Exhibit No.

EXISTING TOWER.

18. Unattended operation:

Is unattended operation proposed?

☒ Yes ☐ No

(a) If Yes, and this application is for authority to construct a new station or to make changes in the facilities of an authorized station which proposes unattended operation for the first time, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234 concerning unattended operation.

☒ Yes ☐ No

(b) In the space below state the name, address and telephone number of a person or persons who may be contacted in an emergency to suspend operation of the translator should such action be deemed necessary by the Commission.

Name Ed Czelada

Address (street or other description)

3302 N. VAN DYKE

City IMPAV CITY

State MI

Telephone No. (include area code)
810 724 2638

19. Has the applicant proposed to use equipment that is type accepted or notified in accordance with the provisions of 47 C.F.R. Parts 73 and 74? ☒ Yes ☐ No

If No, and the equipment is to be notified or type accepted under 47 C.F.R. Section 74.1250(c), include the date the equipment was submitted to the FCC Laboratory for approval or the date the manufacturer commenced the notification process.

CERTIFICATION

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.

Signature

Ed Gelada

Typed or Printed Name

ED GELADA

Date

3-20-00

Telephone No. (include area code)

810 724 2638

☒ Technical Director

☐ Registered Professional

☐ Consulting Engineer

☐ Chief Operator

☐ Other (specify)

Section III - LEGAL QUALIFICATIONS

NOTE: Applicants for new stations only

1. Applicant is (check one of the following):

- | | | |
|-------------------------------------|--|---|
| <input type="checkbox"/> Individual | <input type="checkbox"/> General Partnership | <input checked="" type="checkbox"/> Corporation |
| <input type="checkbox"/> Other | <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Unincorporated |

If the applicant is a legal entity other than an individual, partnership, corporation or unincorporated association, describe in an Exhibit the nature of the applicant.

Exhibit No.

2. (a) Is the applicant for an FM translator station the licensee or permittee of the commercial primary station being rebroadcast or does the applicant or any parties to the application have any interest or connection with the commercial primary station being rebroadcast? See 47 C.F.R. Section 74.1232(d).

☐ Yes ☐ No

N/A NCE

(b) If Yes, will the coverage contour of the translator station extend beyond the protected contour of the commercial primary station being rebroadcast? If YES, this application cannot be granted. See 47 C.F.R. Section 74.1232(d).

☐ Yes ☐ No

NOTE: Applicants who answer Yes to question (b) (and No to question (a)) are prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).

3. (a) Is the applicant in compliance with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments?

☒ Yes ☐ No

(b) Will any funds, credit, or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If Yes, provide particulars as an Exhibit.

Exhibit No.

4. Has an adverse finding been made or an adverse final action been taken by any court or administrative body with respect to the applicant or parties to this application in a civil or criminal proceeding, brought under the provisions of any law related to the following: any felony; mass media related antitrust or unfair competition; fraudulent statements to another government unit; or discrimination?

☐ Yes ☒ No

If the answer is Yes, attach as an Exhibit a full disclosure of the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers) and the disposition of the litigation. Where the requisite information has been previously disclosed in connection with another application or as required by 47 U.S.C. Section 1.65(c), the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and the date of filing; and (ii) a description of the previously reported matter.

Exhibit No.

5. Has the applicant or any other party to this application had any interest in:

(a) a broadcast application which has been dismissed with prejudice by the

☐ Yes ☒ No

(b) a broadcast application which has been denied by the Commission?

☐ Yes ☒ No

(c) a broadcast station, the license of which has been revoked?

☐ Yes ☒ No

(d) a broadcast application in any Commission proceeding which left unresolved character issues against the applicant?

☐ Yes ☒ No

Exhibit No.

If the answer to any of the Questions in 5 is Yes, state in an Exhibit the following:

(i) Name of party having interest:

(ii) Nature of interests or connection, giving dates:

(iii) Call letters of stations or file number of application or docket number;

(iv) Location.

Section IV - CERTIFICATIONS

NOTE: If this application is for a change in an operating facility, you DO NOT need to respond to Questions 1 and

1. The applicant certifies that sufficient net liquid assets are on hand or are available from committed sources to construct and operate the requested facilities for three months without revenue. ☒ Yes ☐ No

2. The applicant certifies that: (a) it has a reasonable assurance of a present firm intention for each agreement to furnish capital or purchase capital stock by parties to this application, each loan by financial institutions or others and each purchase of equipment on credit; (b) it will meet all contractual requirements as to the collateral, guarantees, and other investment; and (c) it has determined that a reasonable assurance exists that identified financial sources (excluding banks, financial institutions and equipment manufacturers) have sufficient net liquid assets to meet these commitments. ☒ Yes ☐ No

3. The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protection contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e). ☐ Yes ☐ No
N/A NCE

4. For applicants proposing to rebroadcast who are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose transmissions are to be retransmitted. If No, this application is unacceptable for filing. ☐ Yes ☐ No
N/A Co-owned

Primary station proposed to be rebroadcast:

Call Sign	City	State	Channel No.
WTLI	BEAR CREEK TOWNSHIP	MI	207

5. The applicant certifies that it has contacted an authorized spokesperson for the owner of the rights to the proposed site, and has obtained reasonable assurance that the site will be available for use if this application is granted. ☒ Yes ☐ No

That person can be contacted at the following address and telephone number:

Name	Mailing Address or Identification
REBECCA KATIBA	2001 EDMUND HALLEY DRIVE
City	State
RESTON	VA
	ZIP Code
	20191
	Telephone No. (include area code)
	248 386 5701

6. For new station and major changes in locations only, the applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580. ☒ Yes ☐ No

7. By checking Yes, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits (Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), the applicant is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b). ☒ Yes ☐ No

THE ORIGINAL OF THIS APPLICATION
COPIES CAN BE CONFORMED. SEE

FORM MUST BE SIGNED AND DATED BY THE APPLICANT. THE REQUIRED
F.R. SECTION 73.3513.

The APPLICANT hereby waives the right to the use of any particular frequency as against the regulatory powers of
the United States because of the 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, as amended.)

The APPLICANT acknowledges that all statements made in this application and attached exhibits are considered
material representations, and that all exhibits are a material part hereof and incorporated herein.

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

In accordance with 47 C.F.R. Section 1.95, the APPLICANT has a continuing obligation to advise the Commission,
through amendments, of any substantial and significant changes in information furnished.

WILLFUL FALSE STATEMENTS MADE
TITLE 18, SECTION 1001), AND/OR
CODE, TITLE 47, SECTION 312(a)(1)

THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT (U.S. CODE,
VIOLATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S.
OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

8. 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.

Name of Applicant

SUPERIOR COMMUNICATIONS

Title

Trustee

Signature

Ed Gellada

Date

3-20-00

ENGINEERING STATEMENT
APPLICATION OF
SUPERIOR COMMUNICATIONS
FOR A NEW TRANSLATOR STATION
GARFIELD TOWNSHIP, MI

The instant application provides the required protection to all licensed Co-channel and adjacent channel stations by the contour method with the exception of second adjacent station WLJN Traverse City, MI.

In determining distances to contours less than 1.5 kilometers the following Free Space formula was used:

Where, $E = 106.92 - 20 \log(d) + ERP$

E = free-space field (Dbu)

d = distance (km)

ERP = effective radiated power (Dbk)

Using figure 1 of 73.333 (f50/50 chart) and the licensed parameters of WLJN it was determined that the 120 DBu contour of the proposed translator would exist entirely within the 100 DBu contour of the above second adjacent station.

In determining the potential for interference to WLJN from the proposed translator station we have used the above formula to calculate the distance to the 120 DBu contour since this distance is less than 1.5 Km and therefore not covered by the (F50/50) curves. The 120 DBu contour extends .02 Km (20 meters) from the transmitting antenna. A review of the area within 20 meters of the antenna revealed that there are no homes. We submit that due to the lack of population within the 120 DBu contour that there will be no interference from the proposed translator to WLJN.

We believe that we have demonstrated that the proposed translator station will not cause actual interference to any station.

Due to the above we respectfully request a waiver of the normal contour protection requirements for the reasons stated and the fact that there is no population within the small overlap area which occurs in the close vicinity of the transmitting antenna.

In requesting this waiver we understand that a translator station may not cause interference to any full service or previously authorized translator stations and that if interference does occur we will be required to correct the same by reducing power, changing antenna patterns or terminating operations altogether. We also understand that the rules permit us to submit an application which does not meet the normal contour requirements if we demonstrate that "no interference will occur" due to "lack of population or such other factors".

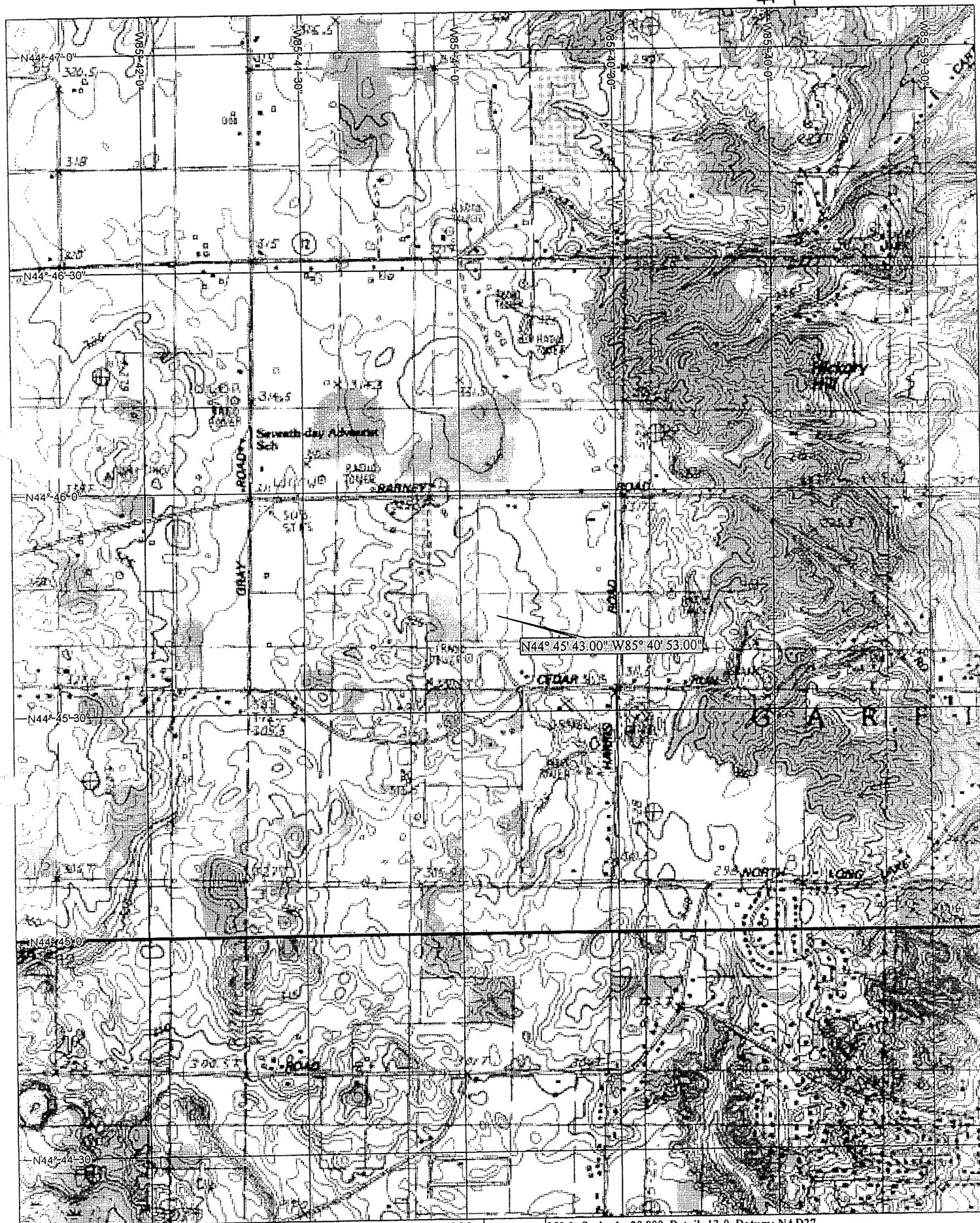
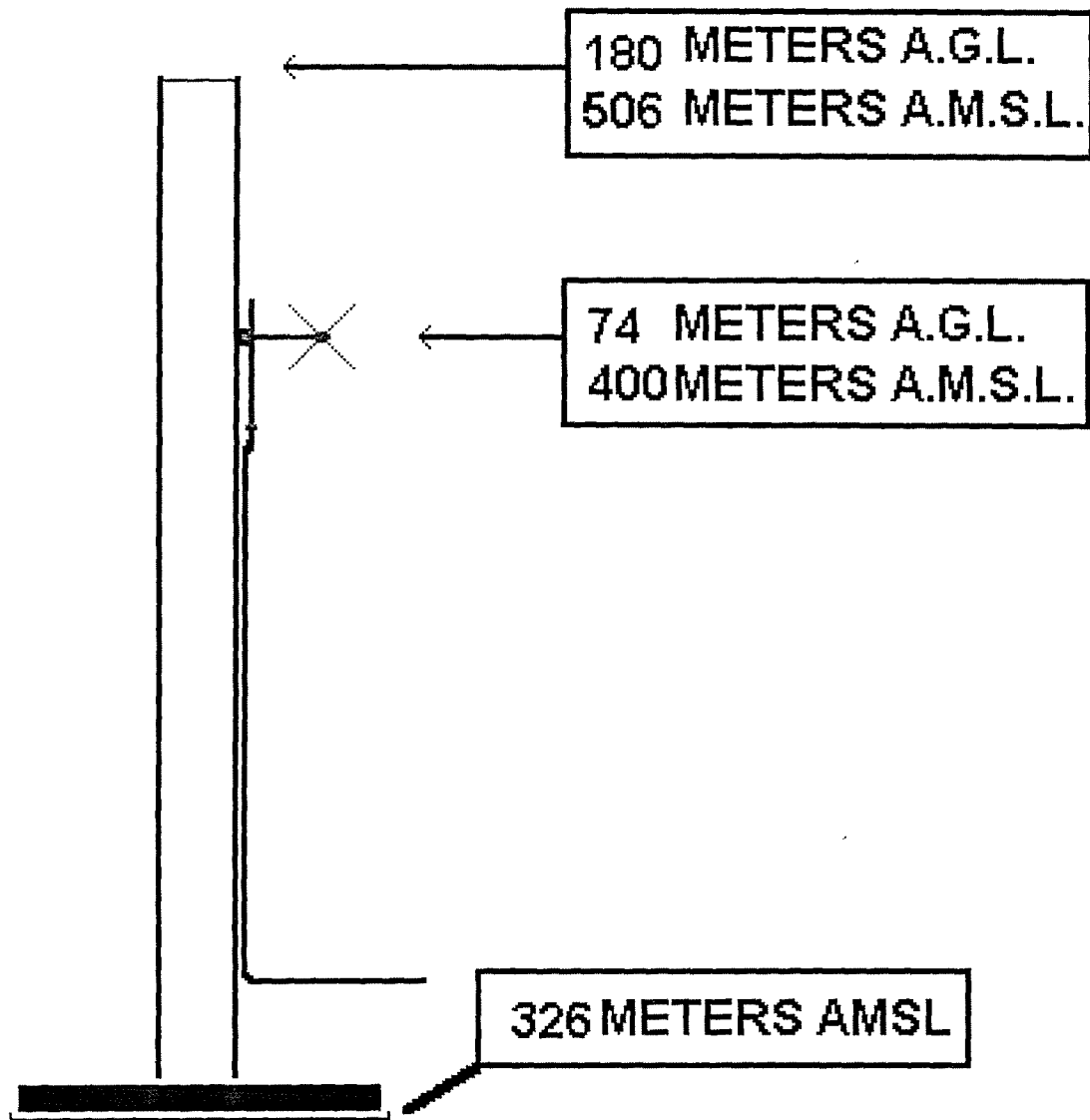


EXHIBIT 2



3#

