

SECTION III - LICENSE APPLICATION ENGINEERING DATA

Name of Applicant

Costa-Eagle Radio Ventures, LP

PURPOSE OF AUTHORIZATION APPLIED FOR: (check one)

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Station License

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Direct Measurement of Power

1. Facilities authorized in construction permit

Call Sign	File No. of Construction Permit (if applicable)	Frequency (kHz)	Hours of Operation	Power in kilowatts	
				Night	Day
WNNW	Not Applicable	800 kHz	Unlimited	0.244 kW	3.0 kW

2. Station location

State Massachusetts	City or Town Lawrence
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3. Transmitter location

State Mass	County Essex	City or Town Andover	Street address (or other identification) 119 Chandler Rd.
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4. Main studio location

State Mass	County Essex	City or Town Metheun	Street address (or other identification) 462 Merrimack St.
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5. Remote control point location (specify only if authorized directional antenna)

State Mass	County Essex	City or Town Metheun	Street address (or other identification) 462 Merrimack St.
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6. Has type-approved stereo generating equipment been installed?

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Yes

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No

7. Does the sampling system meet the requirements of 47 C.F.R. Section 73.68?

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Yes

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No

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Not Applicable

Attach as an Exhibit a detailed description of the sampling system as installed.

Exhibit No.

8. Operating constants:

RF common point or antenna current (in amperes) without modulation for night system 2.66 ampres	RF common point or antenna current (in amperes) without modulation for day system 9.34 ampres
Measured antenna or common point resistance (in ohms) at operating frequency Night 34.4 ohms Day 34.4 ohms	Measured antenna or common point reactance (in ohms) at operating frequency Night +J 211 ohms Day +J 211 ohms

Antenna indications for directional operation

Towers	Antenna monitor Phase reading(s) in degrees		Antenna monitor sample current ratio(s)		Antenna base currents	
	Night	Day	Night	Day	Night	Day

Manufacturer and type of antenna monitor:

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9. Description of antenna system ((f directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary.)

Type Radiator Three wire folded unipole design mounted on a vertical guyed uniform cross section steel tower.	Overall height in meters of radiator above base insulator, or above base, if grounded. NDA Tower: 121.9 meters	Overall height in meters above ground (without obstruction lighting) NDA Tower : 121.9 meters	Overall height in meters above ground (include obstruction lighting) NDA Tower: 122.8 meters	If antenna is either top loaded or sectionalized, describe fully in an Exhibit. <div>Exhibit No.</div>
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Excitation

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Series

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Shunt

ASR: 1005780

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

North Latitude 42 ° 40 ' 26 "	West Longitude 71 ° 11 ' 26 "
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If not fully described above, attach as an Exhibit further details and dimensions including any other antenna mounted on tower and associated isolation circuits.

Exhibit No.

Also, if necessary for a complete description, attach as an Exhibit a sketch of the details and dimensions of ground system.

Exhibit No.
Existing

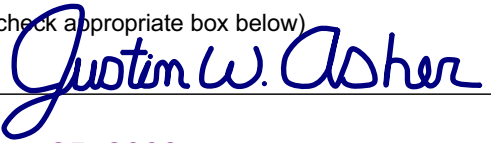
10. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

This form 302-AM is being filed to notify the addition of FM translator W221CH, Lawrence, MA to the WNNW(AM) tower. The FM translator has been installed pursuant to W221CH Construction Permit File No. BPFT-20090130AAI. The Translator License to cover has been filed concurrently with this AM Direct Measurement of Power Form 302-AM filing.

11. Give reasons for the change in antenna or common point resistance.

The antenna resistance measurement differs from the previously licensed value as WNNW(AM) is presently in the process of installing IBOC HD operation. The shorting skirt was adjusted for more efficient HD operation which resulted in a subsequent change in antenna resistance. It was the applicant's intention to concurrently file this Form 302-AM for the dual purpose of the FM Translator installation and HD modifications, however due to complications in delivery of some IBOC components, this cannot take place at this time. As a result, this Form 302-AM is being filed solely to notify for the addition of the FM Translator.

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.

Name (Please Print or Type) Justin W. Asher, Staff Engineer	Signature (check appropriate box below) 
Address (include ZIP Code) Munn-Reese, Inc. PO Box 220, 385 Airport Dr. Coldwater, MI 49036	Date February 25, 2009 Telephone No. (Include Area Code) 1(517)278-7339

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Technical Director

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Registered Professional Engineer

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Chief Operator

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Technical Consultant

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Other (specify)

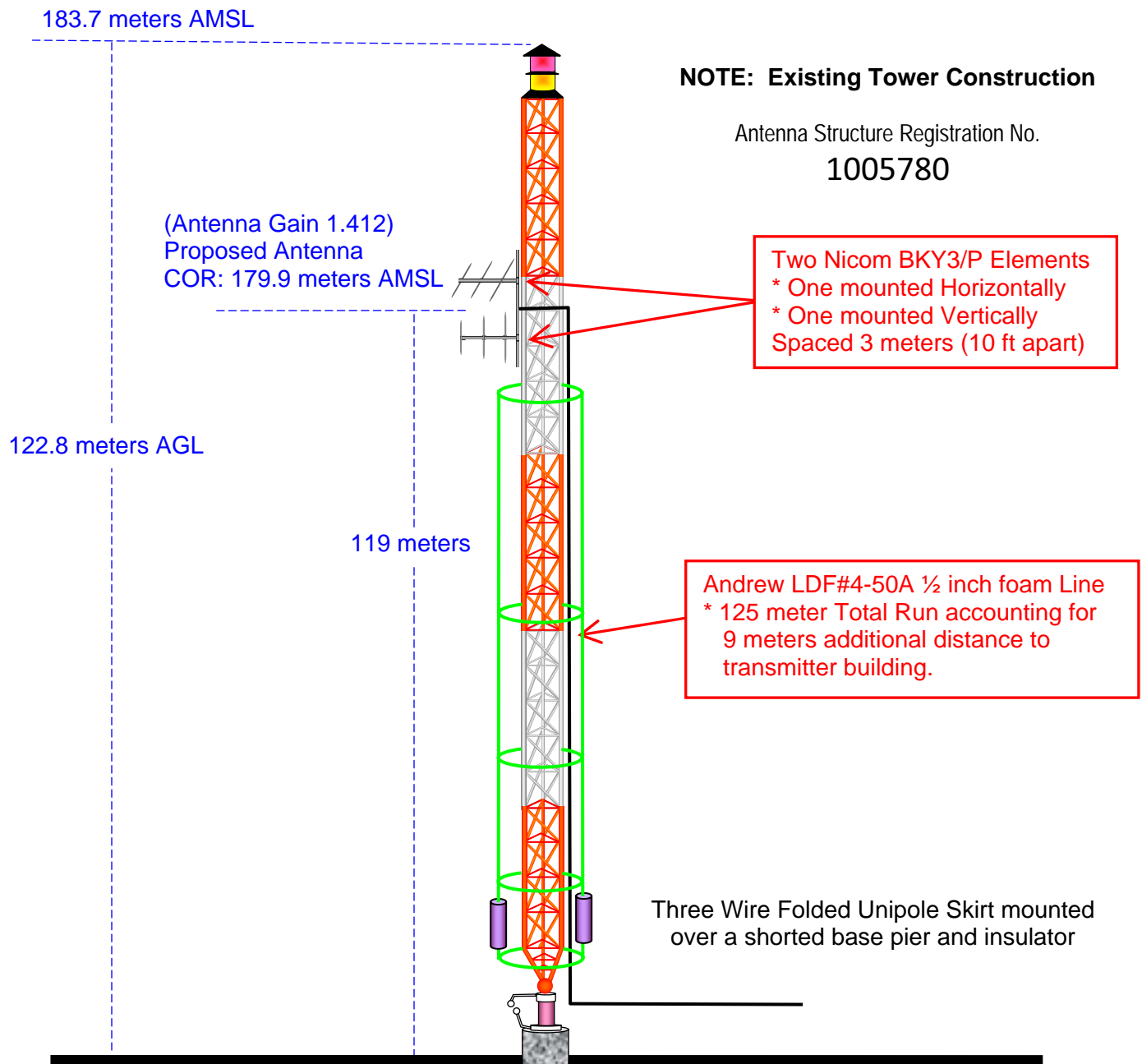
Vertical Plan of Antenna System

The site is located at 119 Chandler Road,
the city of Andover, Essex County, Massachusetts.

Site Location (NAD 27)

NL: 42° 40' 26"

WL: 71° 11' 26"



Ground Elevation = 60.9 m AMSL
Drawing is not to Scale

MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036