

**Exhibit 22.1 - Copy of Existing  
Antenna Structure Registration****Registration Detail**

Reg Number	1060955	Status	Constructed
File Number	A0320540	Constructed	01/01/1989
FAA Study	95-AGL-1581-OE	EMI	No
FAA Issue Date	03/24/1995	NEPA	No

**Antenna Structure**

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

**Location** (in NAD83 Coordinates)

Lat/Long	46-26-58.0 N 085-06-04.0 W	SECTION 19, T47N, R6W, HWY M-123, 10.6 KM NORTH OF CITY
City, State	ECKERMAN , MI	
Center of AM Array		

**Heights (meters)**

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
274.4	117.3
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
391.7	117.0

**Painting and Lighting Specifications**

FAA Chapters 3, 4, 5, 13  
 Paint and Light in Accordance with FAA Circular Number 70/7460-1H

**Owner & Contact Information**

FRN	0008157232	Licensee ID	L00655682
Assignor FRN	0005259072	Assignor ID	L00329430

**Owner**

Northern Star Broadcasting, LLC  
 Attention To: Palmer Pyle  
 213 South Airport, West  
 Traverse City , MI 49686

P: (800)968-0981  
 E:

**Contact**

Tillotson , David  
 4606 Charleston Terrace, N.W.  
 Washington , DC 20007

P: (202)625-6241  
 E: dtlaw@starpower.net

**Last Action Status**

Status	Constructed	Received	04/10/2003
Purpose	Change Owner	Entered	04/10/2003
Mode	Interactive		

**Related Applications**

04/10/2003	A0320540 - Change Owner (OC)
08/10/2001	A0207717 - Admin Update (AU)
02/16/1999	A0071421 - New (NE)

**Comments**

## EXHIBIT 22.2

### VERTICAL PLAN OF ANTENNA SYSTEM

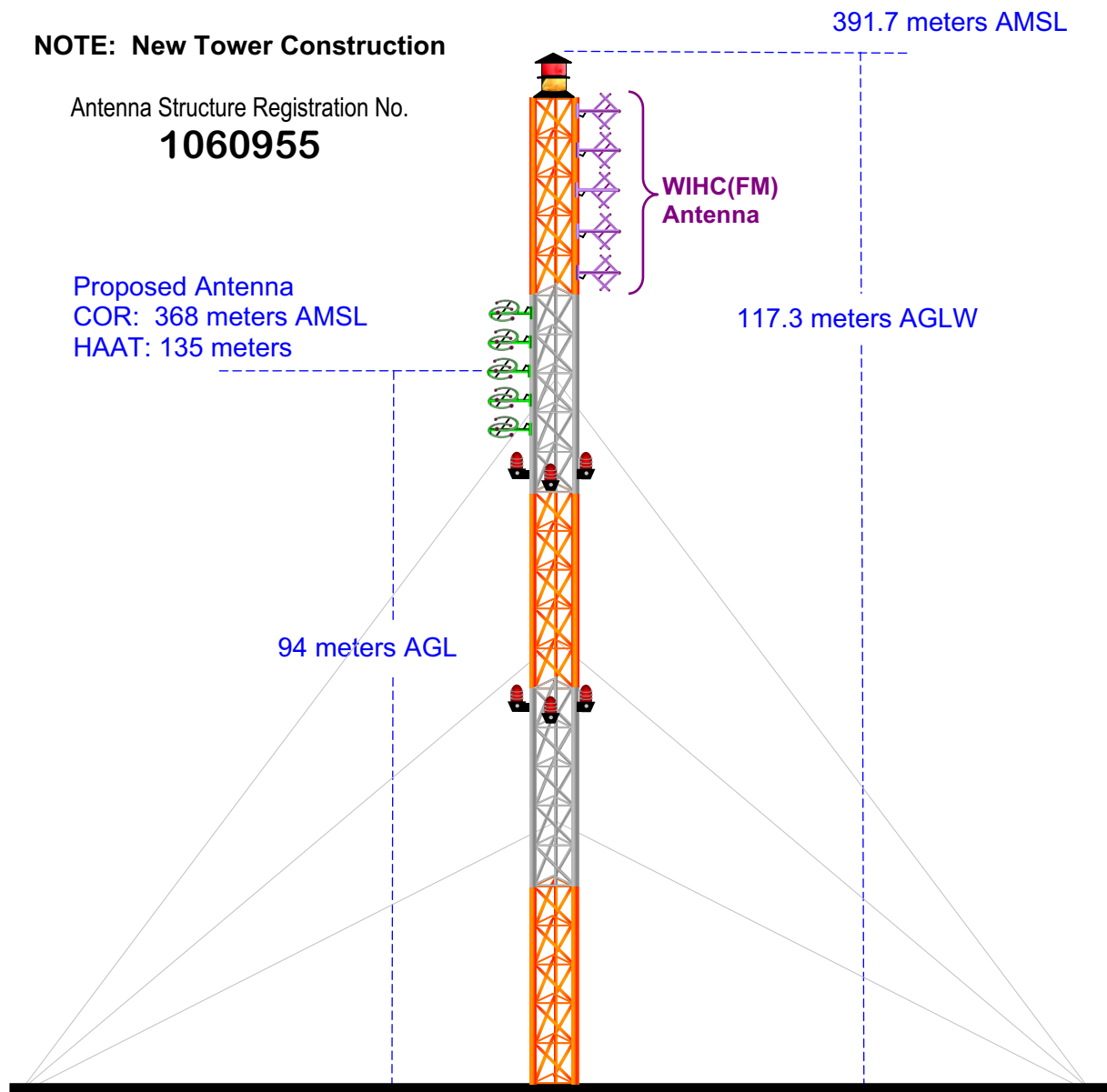
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The site is located in Section 19, T47N, R6W, HWY M-123, 10.6 km north of the city of Eckerman, Chippewa County, Michigan.

Site Location  
NL: 46° 26' 58"  
WL: 85° 06' 04"

**NOTE: New Tower Construction**

Antenna Structure Registration No.  
**1060955**



Ground Elevation = 274.4 m AMSL

Drawing is not to Scale

**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036

# EXHIBIT 22.3

## PROPOSED FM OPERATING SPECIFICATIONS

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**Call:** WNBY-FM.C

**City of License:** Newberry, MI

**Frequency:** 93.9 MHz    **Channel:** 230C2    **ERP:** 50.0 kW    **HAAT:** 135 m

**Transmitter Location:** The site is located in Section 19, T47N, R6W, HWY M-123, 10.6 km north of the city of Eckerman.

**County:** Chippewa

**State:** Michigan

**Site Coordinates:** NL 46° 26' 58" / WL 85° 06' 04"

**Tower Registration Number:** 1060955

**Proposed Operation:** Class C2

**Effective Radiated Power:** 50.0 kW (H)    50.0 kW (V)

**Height of Antenna Radiation Center Above:**

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
<b>Horizontal</b>	135 meters	368 meters	94 meters
<b>Vertical</b>	135 meters	368 meters	94 meters

**Elevation of Tower Site** : 274.4 meters AMSL

**Overall Height of Structure Above Ground** : 117.3 meters AGL

**Overall Height of Structure Above Mean Sea Level:** 391.7 meters AMSL

## Exhibit 22.4 Present & Proposed Service Contour Study

**WNBY-FM.C**  
BMPH20051207AAI  
Latitude: 46-26-58 N  
Longitude: 085-06-04 W  
ERP: 50.00 kW  
HAAT: 135.0 m  
Channel: 230  
Frequency: 93.9 MHz  
AMSL Height: 368.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WNBY-FM.P**  
Proposed Operation  
Latitude: 46-26-58 N  
Longitude: 085-06-04 W  
ERP: 50.00 kW  
HAAT: 135.0 m  
Channel: 230  
Frequency: 93.9 MHz  
AMSL Height: 368.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

