

# Exhibit 13.1 - Copy of Existing Antenna Structure Registration

**Registration Detail**

Reg Number	1264195	Status	
File Number	A0598908	Constructed	
FAA Study	2004-AGL-7451-OE	EMI	No
FAA Issue Date	03/02/2005	NEPA	No

**Antenna Structure**

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

**Location** (in NAD83 Coordinates)

Lat/Long	41-56-24.0 N 085-02-47.0 W	141 E. Chicago Road
City, State	Coldwater , MI	
Center of AM Array		

**Heights (meters)**

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
291.1	20.7
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
311.8	20.4

**Painting and Lighting Specifications**

None

**Owner & Contact Information**

FRN	0002733822	Licensee ID	L00167826
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**Owner**

Branch County 911  
Attention To: Kurt Spalding  
141 E. Chicago Road  
Coldwater , MI 49036

P: (517)278-9020  
E: kspalding@countyofbranch.com

**Contact**

P:  
E:

**Last Action Status**

Status	Granted	Received	07/08/2008
Purpose	New	Entered	07/08/2008
Mode	Interactive		

**Related Applications**

07/08/2008 A0598908 - New (NE)

**Comments****Comments**

None

**Automated Letters**

None



# Exhibit 13.2

## Vertical Plan of Antenna System

The site is located at 141 E. Chicago Road,  
the city of Coldwater, Branch County, Michigan.

Site Location (NAD 27)

NL: 41° 56' 24"

WL: 85° 02' 47"

### NOTE: Existing Tower Construction

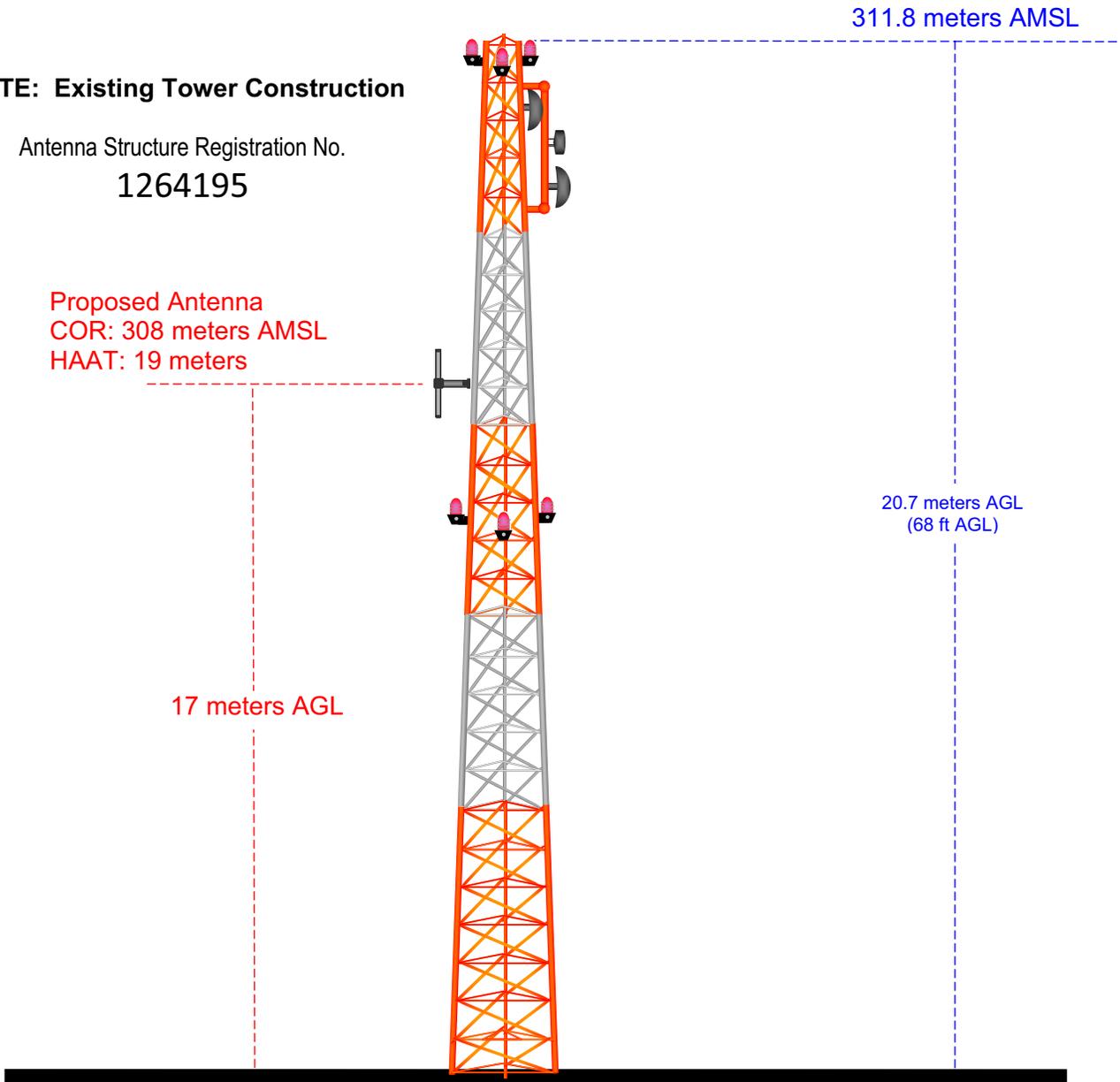
Antenna Structure Registration No.  
1264195

Proposed Antenna  
COR: 308 meters AMSL  
HAAT: 19 meters

17 meters AGL

311.8 meters AMSL

20.7 meters AGL  
(68 ft AGL)



Ground Elevation = 291.1 m AMSL (955 ft)

Drawing is not to Scale

**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036



**U.S. Census 2000 - Coldwater, MI: 21.05 km<sup>2</sup>**  
**60 dBu Coverage of Coldwater, MI: 21.00 km<sup>2</sup>**  
**60 dBu Community Coverage: 99.8%**

**Exhibit 13.4**  
**Present vs. Proposed**  
**Service Contour Study**

**WCWB.C**  
**BMPED20060601BCP**  
Latitude: 42-03-28 N  
Longitude: 084-59-50 W  
ERP: 6.20 kW  
HAAT: 93.0 m  
Channel: 211  
Frequency: 90.1 MHz  
AMSL Height: 386.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**60 dBu Contour**  
Total Population: 82,792  
Total Area: 2381.01 sq. km

**WCWB.P**  
**Proposed Operation**  
Latitude: 41-56-24 N  
Longitude: 085-02-47 W  
ERP: 0.25 kW  
HAAT: 19 m  
Channel: 211  
Frequency: 90.1 MHz  
AMSL Height: 308.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

**60 dBu Contour**  
Total Population: 17,557  
Total Area: 158.09 sq. km

