

42°9'7"N  
85°13'18"W Map Extent 85°11'50"W  
42°8'15"N



Geographic Coordinate System (WGS84)

## Exhibit 13.2 (As Amended)

### Vertical Plan of Antenna System

The site is located at 5013 Michigan Highway 66,  
the city of East Leroy, Calhoun County, Michigan.

#### Site Location (NAD 27)

NL: 42° 08' 41"

WL: 85° 12' 34"

#### NOTE: New Tower Construction

Antenna Structure Registration No.

**1277038**

Proposed Antenna  
COR: 359 meters AMSL  
HAAT: 77 meters

367.2 meters AMSL

91.4 meters AGL

83 meters

Ground Elevation = 275.8 m AMSL  
Drawing is not to Scale

**MUNN-REESE, INC.**

Broadcast Engineering Consultants  
Coldwater, MI 49036

## EXHIBIT 13.3 (As Amended)

### PROPOSED FM OPERATING SPECIFICATIONS

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**Call:** WYBA(FM)

**City of License:** Coldwater, MI

**Frequency:** 90.1 MHz    **Channel:** 211B    **ERP:** 32.0 kW    **HAAT:** 77 m

**Transmitter Location:** The site is located at 5013 Michigan Highway 66.

**City:** East Leroy

**County:** Calhoun

**State:** Michigan

**Site Coordinates:** NL: 42° 08' 41"    /    WL: 85° 12' 34"

**Tower Registration Number:** 1277038

**Proposed Operation:** Class B

**Effective Radiated Power:** 32.0 kW (H)    32.0 kW (V)

**Height of Antenna Radiation Center Above:**

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
Horizontal	77 meters	359 meters	83 meters
Vertical	77 meters	359 meters	83 meters

**Elevation of Tower Site :** 275.8 Meters AMSL

**Overall Height of Structure Above Ground :** 91.4 Meters AGL

**Overall Height of Structure Above Mean Sea Level:** 367.2 Meters AMSL



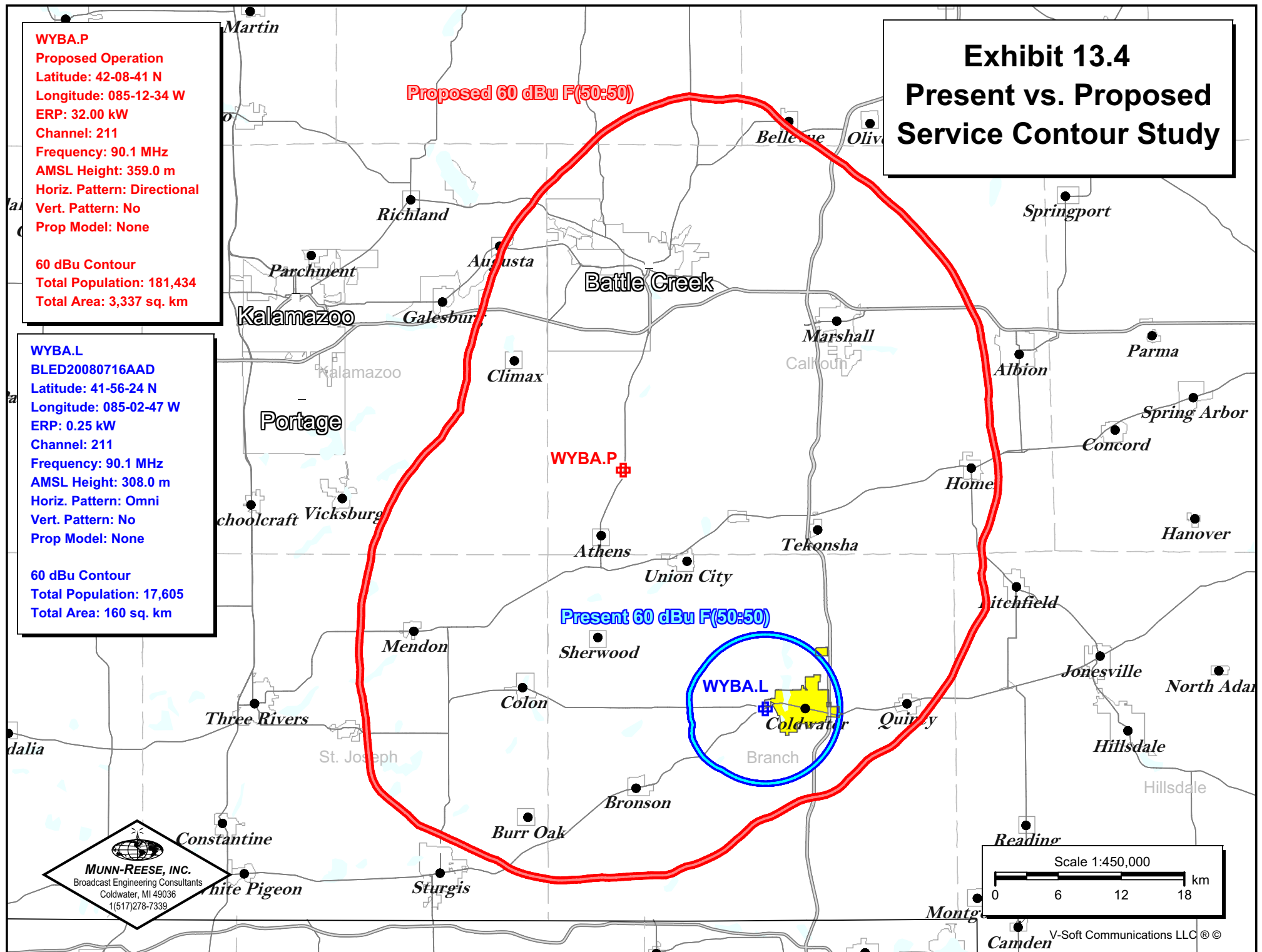
## Exhibit 13.4 Present vs. Proposed Service Contour Study

**WYBA.P**  
Proposed Operation  
Latitude: 42-08-41 N  
Longitude: 085-12-34 W  
ERP: 32.00 kW  
Channel: 211  
Frequency: 90.1 MHz  
AMSL Height: 359.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

60 dBu Contour  
Total Population: 181,434  
Total Area: 3,337 sq. km

**WYBA.L**  
BLED20080716AAD  
Latitude: 41-56-24 N  
Longitude: 085-02-47 W  
ERP: 0.25 kW  
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: 17,605  
Total Area: 160 sq. km



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Scale 1:450,000

0 6 12 18 km

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