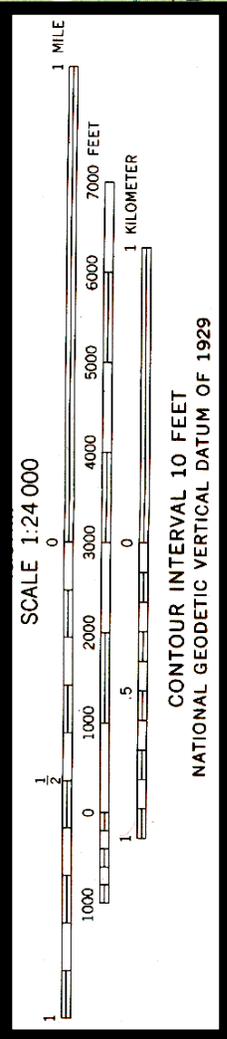


# Exhibit 11.1 Topographical Map of Proposed Site



Proposed Site

**MUNN-REESE, INC.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036  
1(517)278-7339

AURORA, MINN.  
47092-E2-TF-024

1962  
PHOTOREVISED 1984  
DMA 7579 II SW-SERIES V872

# EXHIBIT 11.2

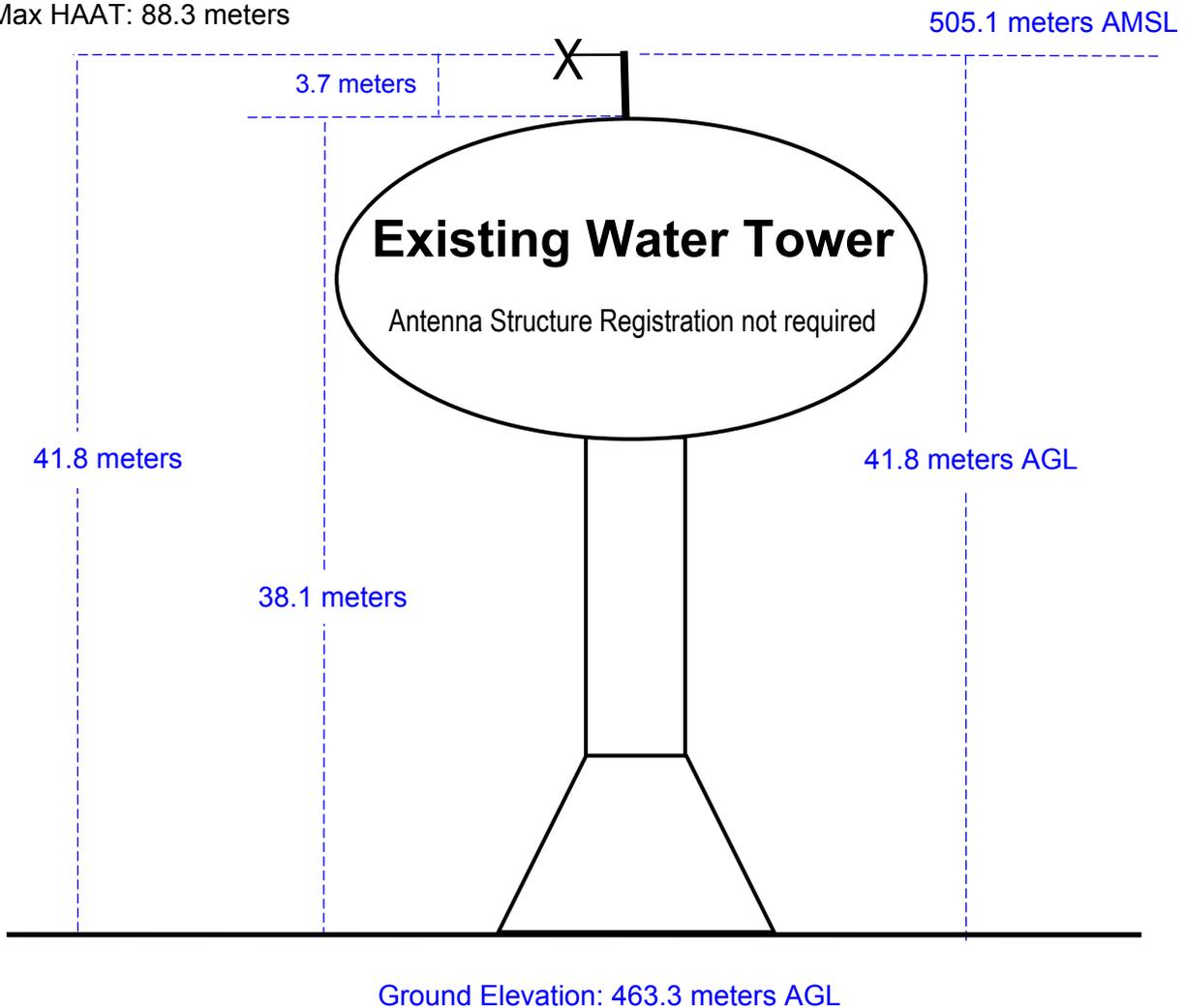
## VERTICAL PLAN OF ANTENNA SYSTEM

---

The site is located on top of the Hoyt Lakes Water Tower  
In-between Whitewater Lake and Colby Lake  
City of Hoyt Lakes, St. Louis County, Minnesota

Site Location  
NL: 47° 31' 08"  
WL: 92° 10' 19"

Proposed Antenna  
COR: 505 meters AMSL  
Max HAAT: 88.3 meters



# EXHIBIT 11.3

## PROPOSED FM OPERATING SPECIFICATIONS

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**Applicant:** Heartland Christian Broadcasters, Inc.

**Call:** K280AW (former channel)

**City of License:** Hoyt Lakes, MN

**Frequency:** 104.1 MHz    **Channel:** 281D    **ERP:** 0.225 kW    **max HAAT:** 88 m

**Transmitter Location:** The site is located on top of the Hoyt Lakes Water Tower in-between Whitewater Lake and Colby Lake

**City:** Hoyt Lakes

**County:** St. Louis County

**State:** Minnesota

**Site Coordinates:** NL 47° 31' 08" / WL 92° 10' 19"

**Tower Registration Number:** none required

**Proposed Operation:** Class D

**Effective Radiated Power:** 0.225 kW

**Height of Antenna Radiation Center Above:**

	<u>Max Average Terrain</u>	<u>Mean Sea Level</u>	<u>Ground</u>
<b>Horizontal</b>	88 meters	505 meters	42 meters
<b>Vertical</b>	88 meters	505 meters	42 meters

**Elevation of Tower Site** : 463.3 meters AMSL

**Overall Height of Structure Above Ground** : 41.8 meters AGL

**Overall Height of Structure Above Mean Sea Level:** 505.1 meters AMSL

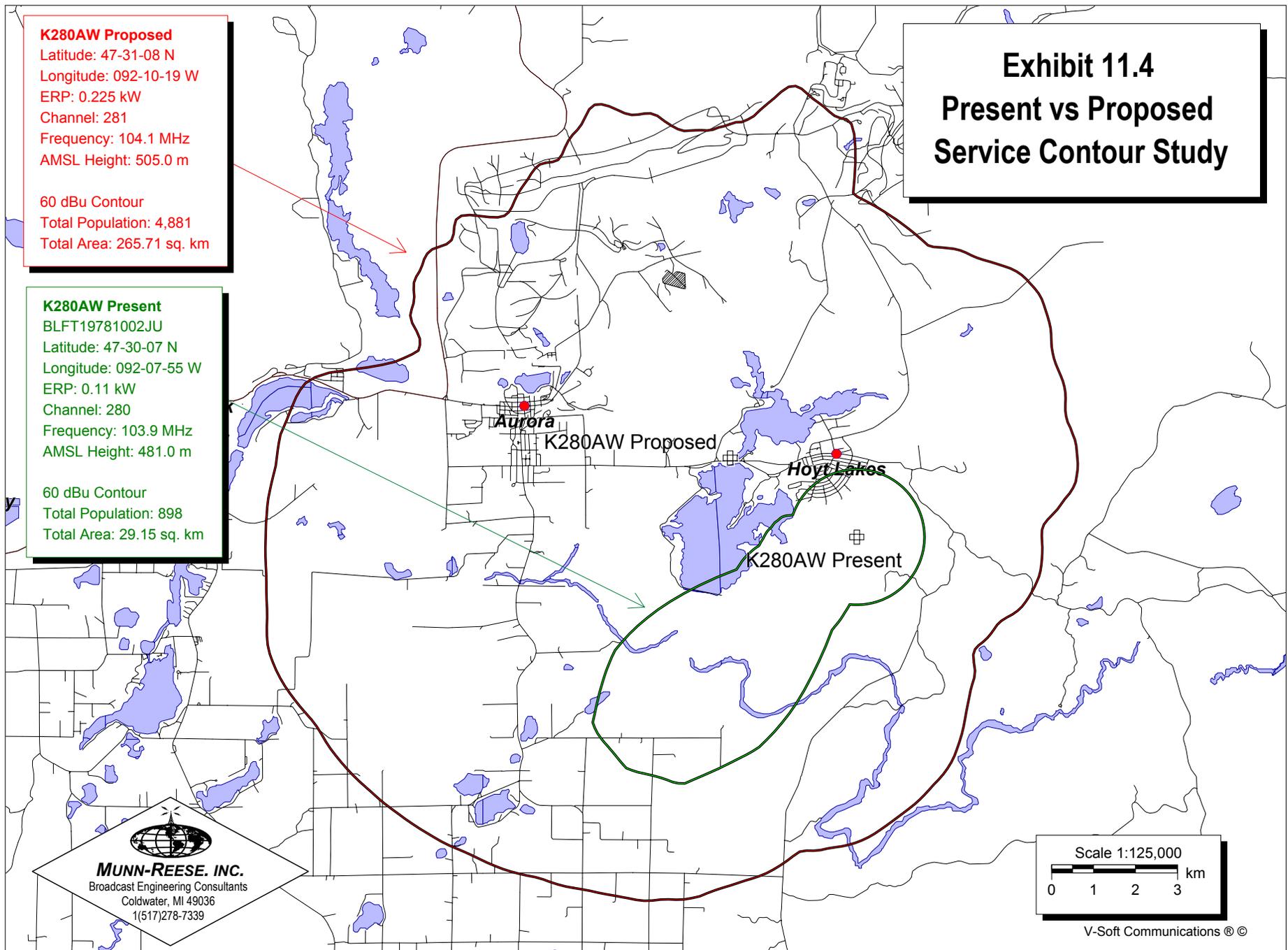
# Exhibit 11.4 Present vs Proposed Service Contour Study

**K280AW Proposed**  
Latitude: 47-31-08 N  
Longitude: 092-10-19 W  
ERP: 0.225 kW  
Channel: 281  
Frequency: 104.1 MHz  
AMSL Height: 505.0 m

60 dBu Contour  
Total Population: 4,881  
Total Area: 265.71 sq. km

**K280AW Present**  
BLFT19781002JU  
Latitude: 47-30-07 N  
Longitude: 092-07-55 W  
ERP: 0.11 kW  
Channel: 280  
Frequency: 103.9 MHz  
AMSL Height: 481.0 m

60 dBu Contour  
Total Population: 898  
Total Area: 29.15 sq. km



**MUNN-REESE, INC.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036  
(517)278-7339

Scale 1:125,000  
0 1 2 3 km

V-Soft Communications ©

**Exhibit 11.5  
Proposed Translator  
vs.  
KBHW - International Falls, MN**

