

EXHIBIT 10.1

DESCRIPTION OF PROPOSED ANTENNA SYSTEM

DAYTIME ANTENNA SYSTEM

1. The daytime antenna system will consist of two (2) vertical guyed, uniform cross-section steel towers. Tower 1 is existing. Tower 2 is proposed. Both employ or will employ a folded unipole mounted on 122.2 meter AGL grounded towers. Including obstruction lighting, the towers stand at 123.1 meters AGL. Given the site elevation of 198.7 meters AMSL, the towers will stand for an overall height of 321.8 meters AMSL. Tower 1 bears ASR No. 1060574. ASR is pending for Tower 2.
2. The proposed ground system will consist of 120 buried copper radials, extending 117.1 meters in length, about the base of the towers except where shortened to terminate at property boundaries or transverse copper straps running midway between the towers. The material used for the radials will be #10 AWG, soft drawn copper wire.
3. The proposed common daytime antenna system theoretical parameters are as follows:

PROPOSED DAY/NIGHTTIME THEORETICAL PARAMETERS				
TOWER	FIELD	PHASE	SPACING	ORIENTATION
1(NW)	0.600	-58.0°	0.0°	0.0°
2(SE)	1.000	0.0°	190.0°	135.0°

* referenced to preceding tower.

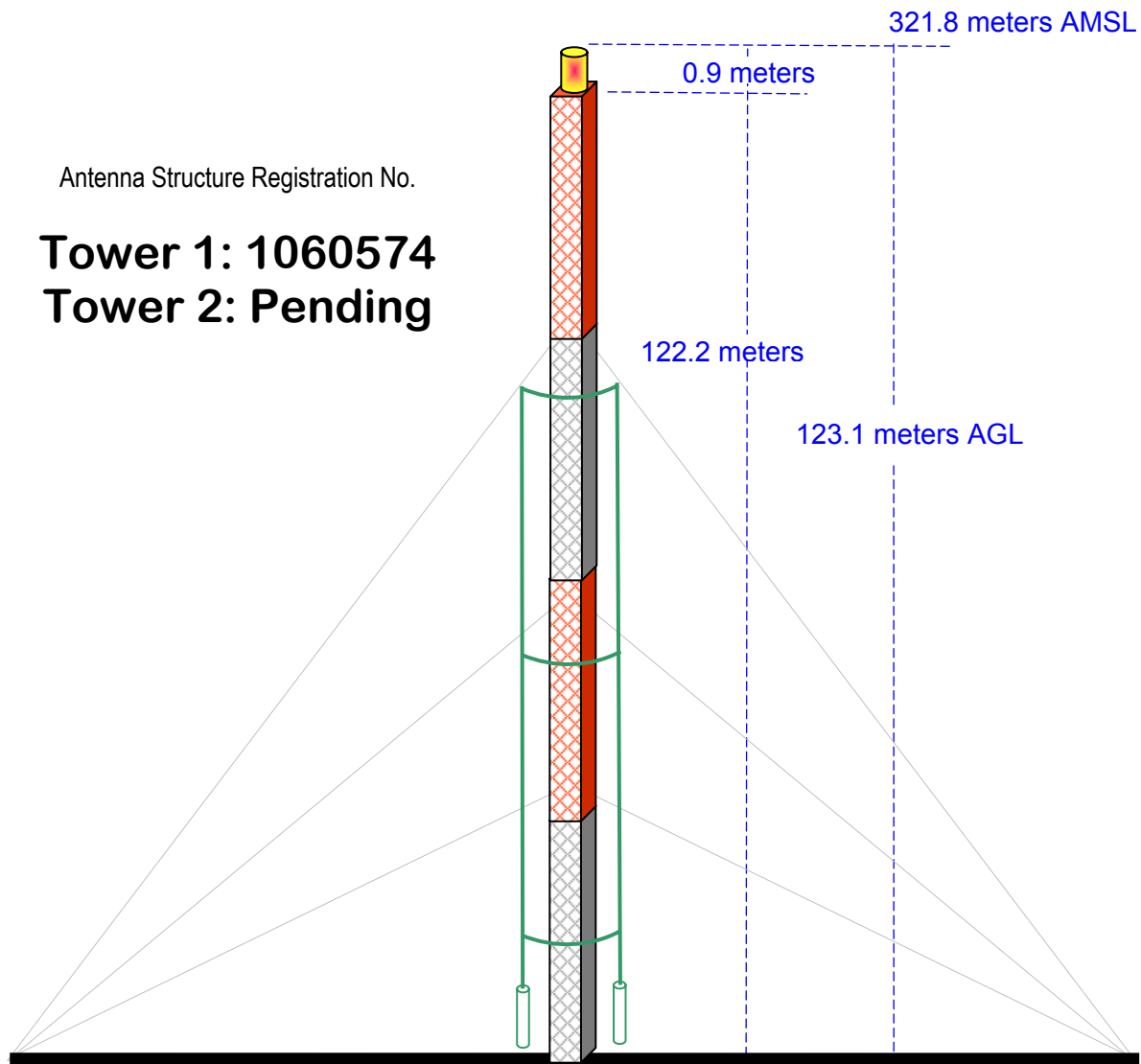
4. The theoretical RMS for the proposed daytime operation will be 475.66 mV/m at one kilometer. The standard pattern RMS will be 499.72 mV/m at one kilometer with a theoretical RSS of 519.80 mV/m at one kilometer. Daytime power will be 2.5 kW.
5. The sampling system for the proposed array will conform to §73.68 of the Commission's Rules regarding approved sampling systems.

EXHIBIT 10.2

VERTICAL PLAN OF ANTENNA SYSTEM

The site is located at 2640 72nd Ave,
City of Zeeland, Michigan.

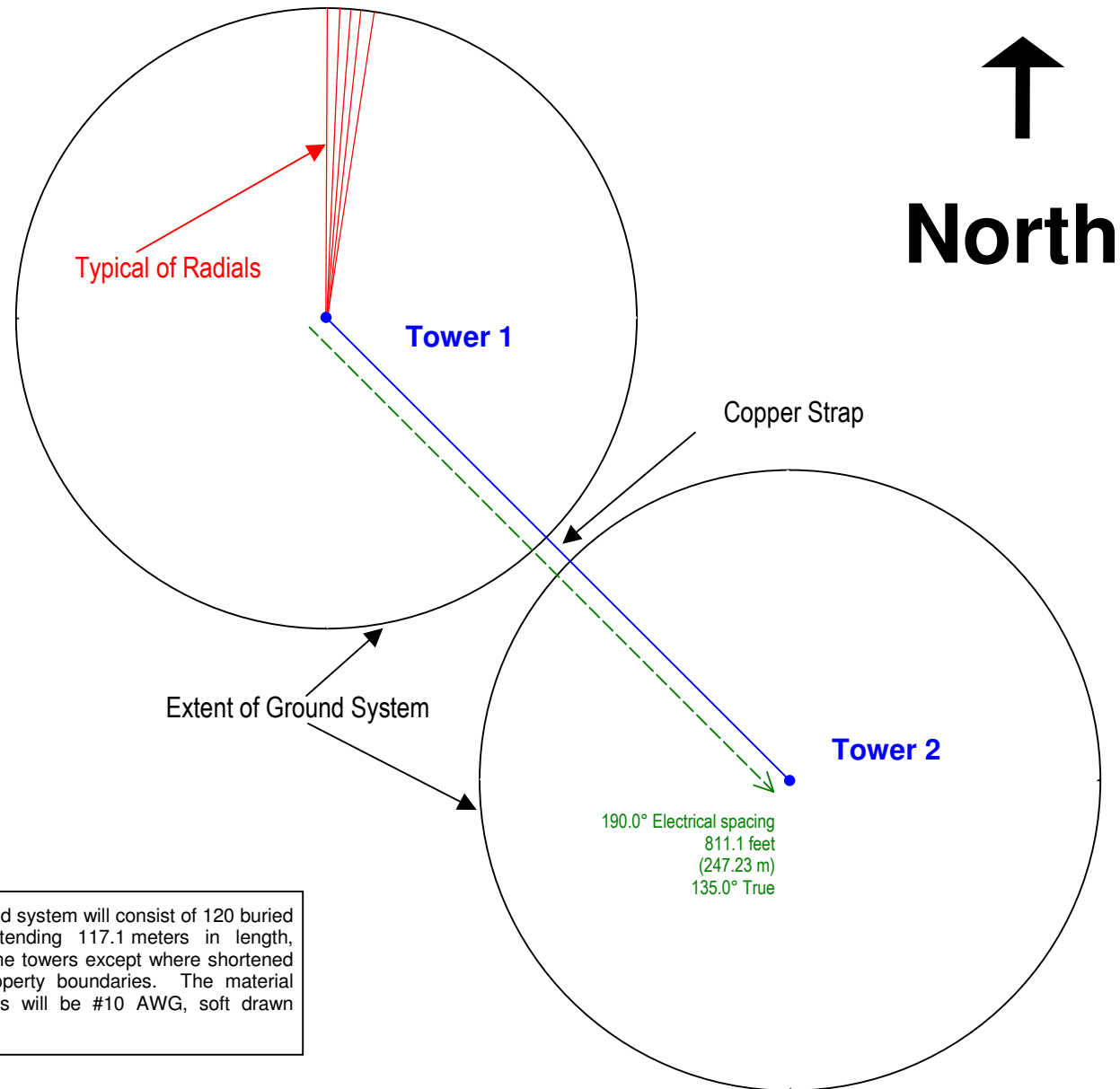
Site Location
NL: 42° 48' 59"
WL: 85° 57' 24"



Ground Elevation = 198.7 m AMSL
Drawing is not to Scale

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

Exhibit 10.3 – Horizontal Plat of Antenna Array



The proposed ground system will consist of 120 buried copper radials, extending 117.1 meters in length, about the base of the towers except where shortened to terminate at property boundaries. The material used for the radials will be #10 AWG, soft drawn copper wire

Exhibit 10.4 - Copy of Existing ☐ Antenna Structure Registration

Registration Detail

Reg Number	1060574	Status	Constructed
File Number	A0071020	Constructed	03/12/1992
FAA Study	97-AGL-0323-OE	EMI	No
FAA Issue Date	02/20/1997	NEPA	No

Antenna Structure

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

Location (in NAD83 Coordinates)

Lat/Long 42-48-59.0 N 085-57-24.0 W 2640 72ND AVENUE
 City, State ZEELAND , MI
 Center of
 AM Array

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
198.7	123.1
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
321.8	122.2

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 13
 Paint and Light in Accordance with FAA Circular Number 70/7460-1J
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Owner & Contact Information

FRN Licensee ID

Owner

LANSER BROADCASTING CORPORATION DBA =	P: (616)394-1260
STATION WJQK	E:
5658 143RD AVENUE	
HOLLAND , MI 49423	

Contact

P:
 E:

Last Action Status

Status	Constructed	Received	02/04/1999
Purpose	New	Entered	02/04/1999
Mode	Interactive		

Related Applications

02/04/1999 A0071020 - New (NE)
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Comments

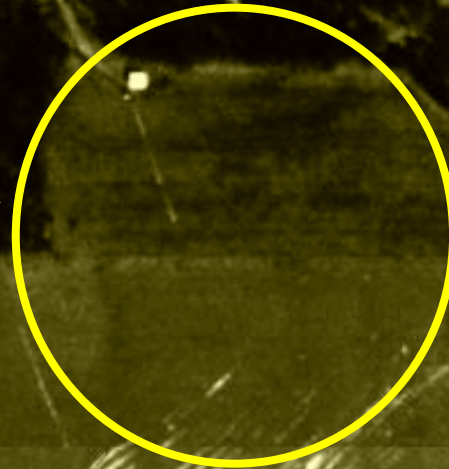
Comments

None
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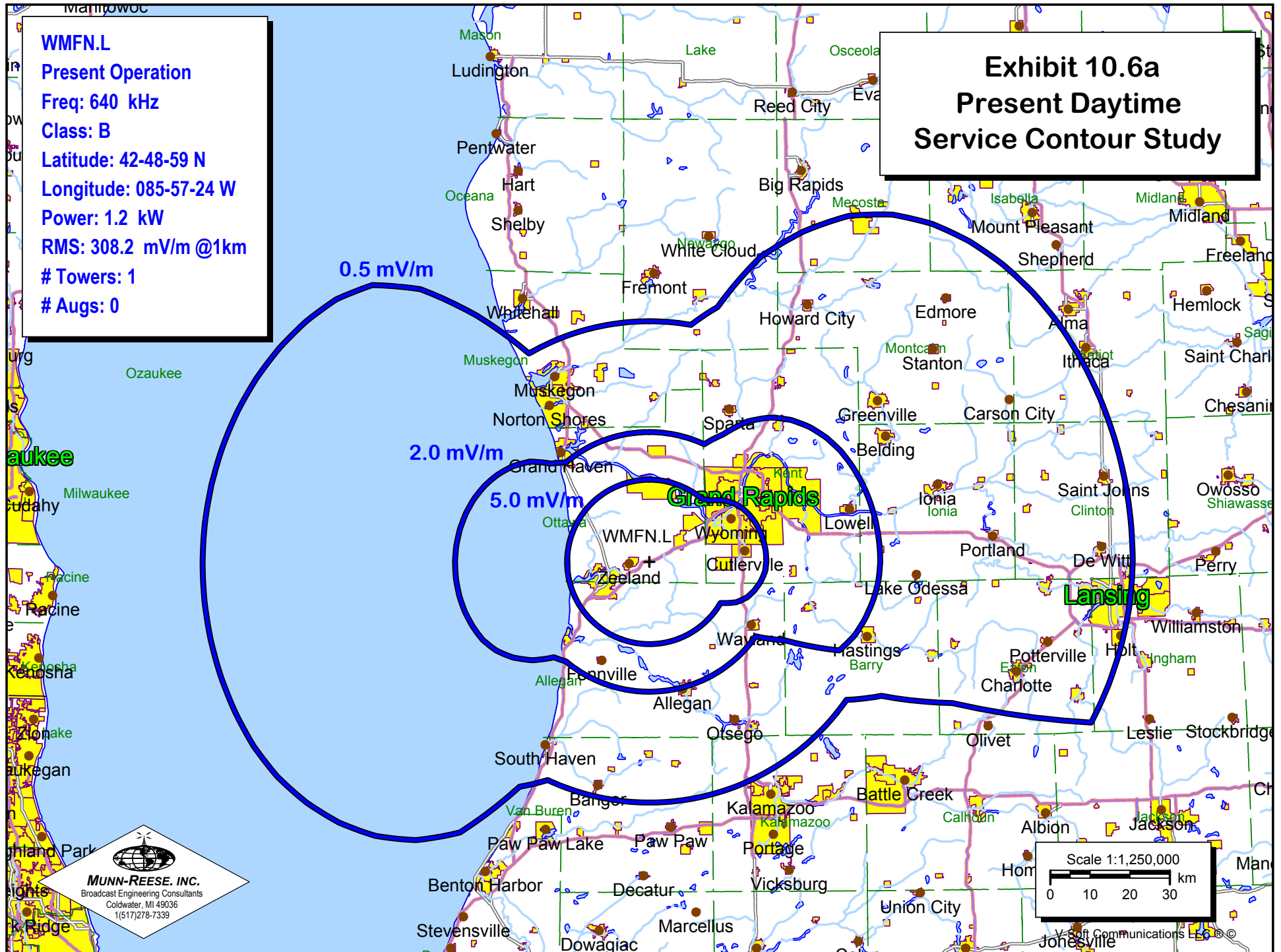
Exhibit 10.5
Photo of Present Site
WMFN - Zeeland, MI

Existing Site



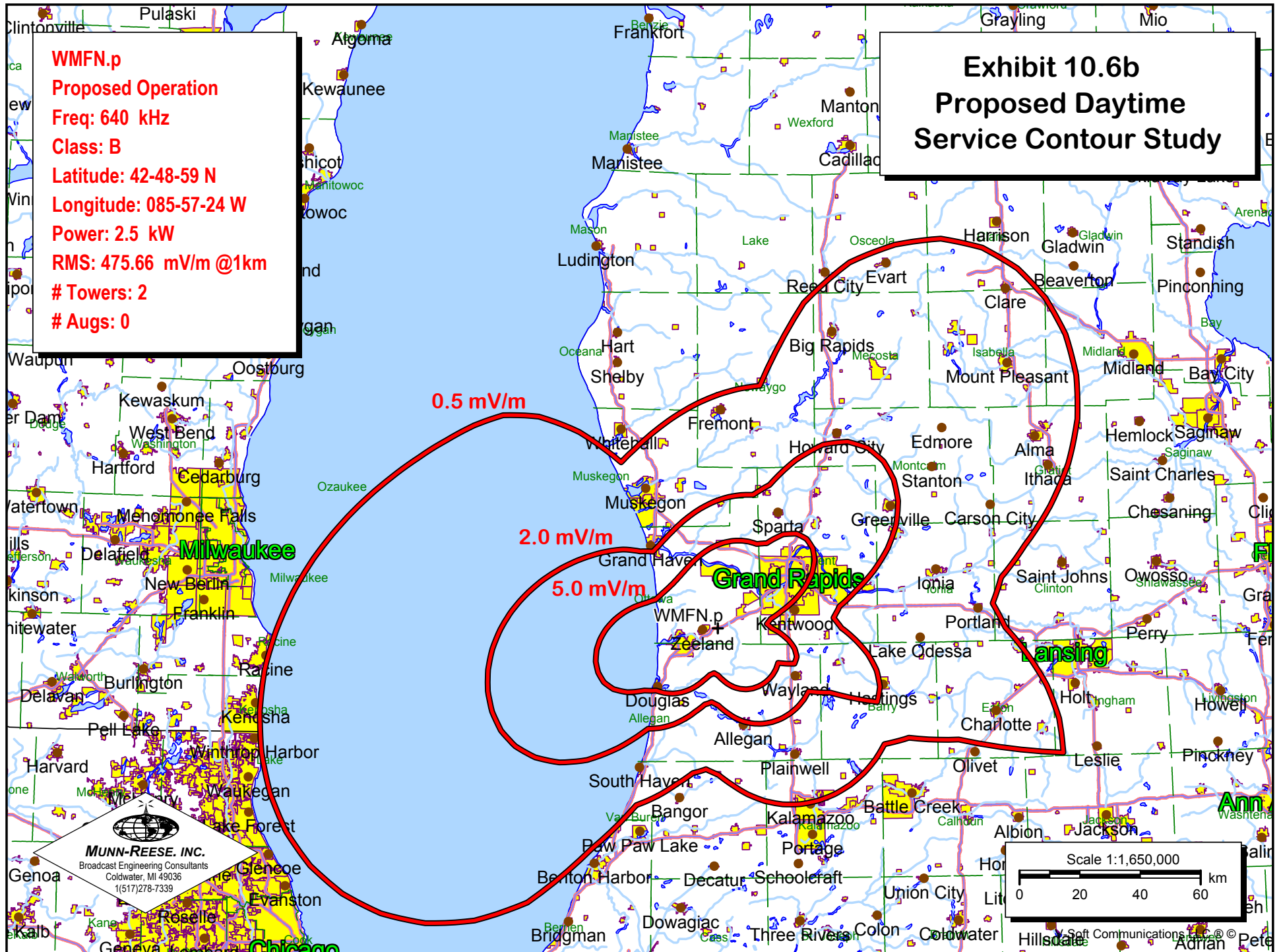
WMFN.L
Present Operation
Freq: 640 kHz
Class: B
Latitude: 42-48-59 N
Longitude: 085-57-24 W
Power: 1.2 kW
RMS: 308.2 mV/m @1km
Towers: 1
Augs: 0

Exhibit 10.6a Present Daytime Service Contour Study



WMFN.p
Proposed Operation
Freq: 640 kHz
Class: B
Latitude: 42-48-59 N
Longitude: 085-57-24 W
Power: 2.5 kW
RMS: 475.66 mV/m @1km
Towers: 2
Augs: 0

Exhibit 10.6b Proposed Daytime Service Contour Study



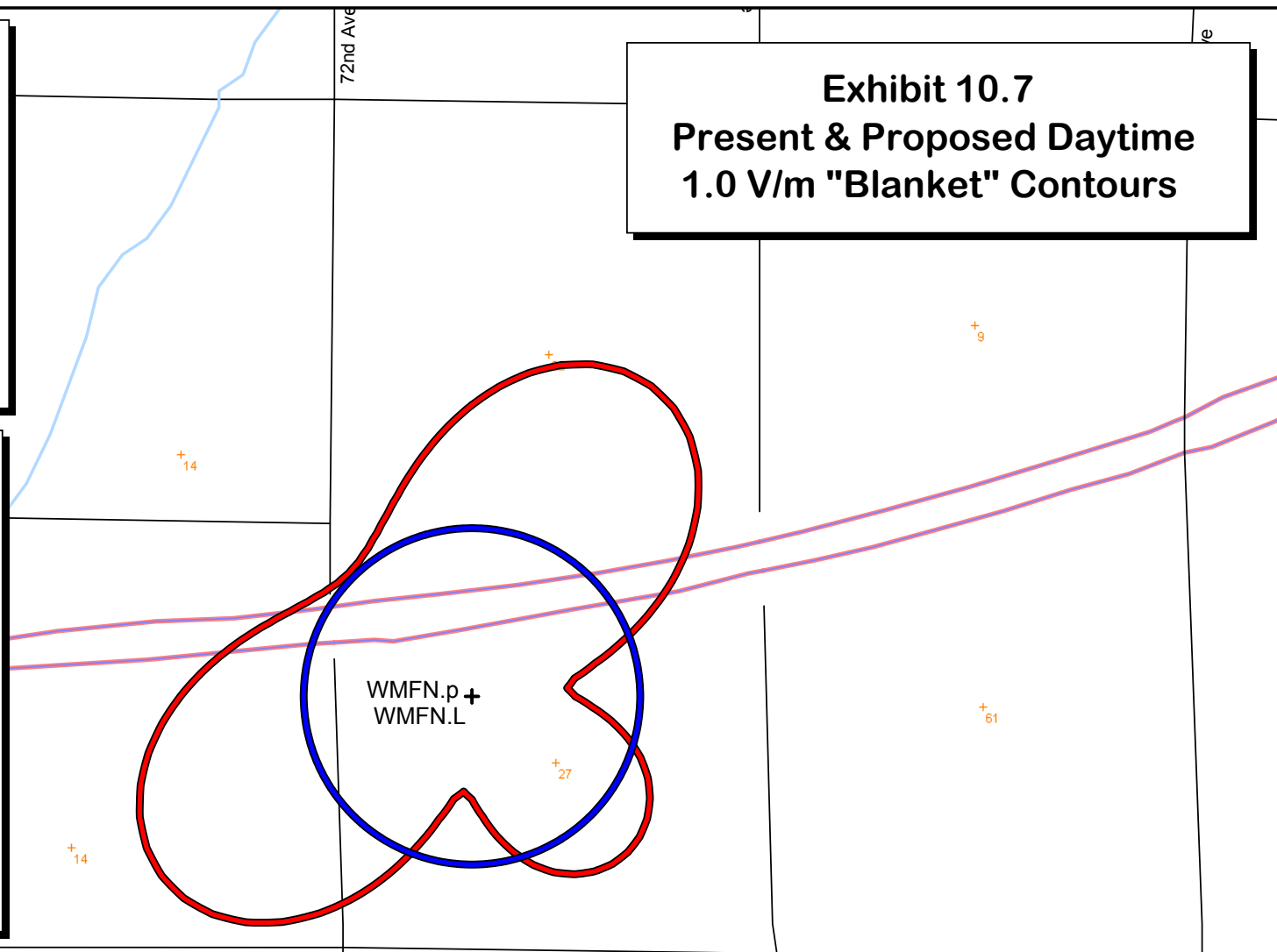
WMFN.L
Present Operation
Freq: 640 kHz
Class: B
Latitude: 42-48-59 N
Longitude: 085-57-24 W
Power: 1.2 kW
RMS: 308.2 mV/m @1km
Towers: 1
Augs: 0

1.0 V/m Contour Population: 27

WMFN.p
Proposed Operation
Freq: 640 kHz
Class: B
Latitude: 42-48-59 N
Longitude: 085-57-24 W
Power: 2.5 kW
RMS: 475.66 mV/m @1km
Towers: 2
Augs: 0

1.0 V/m Contour Population: 27

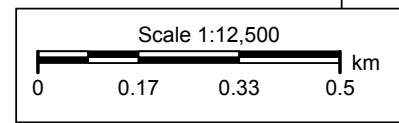
Exhibit 10.7 Present & Proposed Daytime 1.0 V/m "Blanket" Contours



WMFN.p +
WMFN.L



Population Centroids Represent U.S. Census 2000 Datum



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