

Exhibit 13.1 (Amended)

Description of Proposed Antenna System

DAYTIME/NIGHTTIME ANTENNA SYSTEM

- The proposed daytime facility will operate with a daytime directional power of 4.4 kW utilizing a four tower array. The proposed nighttime facility will operate with a nighttime directional power of 1.6 kW utilizing the same four towers, however an alternate set of phasor operating parameters will be employed. All four towers will consist of vertical, guyed uniform cross-section steel towers of unequal heights mounted on base piers and insulators. The radiating element for Tower One (1) will stand 63.0° or 82.0 meters above a 0.9 meter base pier and insulator. The radiating element for Tower Two (2) will stand 70° or 91.1 meters above a 1.0 meter base pier and insulator. The radiating element for Tower Three (3) will stand 70.0° or 91.1 meters above a 1.0 meter base pier and insulator. The radiating element for Tower four (4) will stand 63.0° or 82.0 meters above a 0.9 meter base pier and insulator. Accounting for a 0.9 meter aviation beacons on each tower, the top of Tower One (1) will stand at 83.8 meters AGL; the top of Tower Two (2) will stand at 93.0 meters AGL; the top of Tower Three (3) will stand at 93.0 meters AGL; and the top of Tower Four (4) will stand at 83.8 meters AGL.
- All four towers will employ toploading consisting of three wires in the uppermost guy wire set. The outer ends of the top-loaded guy wires will be connected to each other to form a “top-hat”. Tower One (1) will employ 12.0° of top-loading for operation on 640 kHz. Tower Two (2) will employ 12.0° of top-loading for operation on 640 kHz. Tower Three (3) will employ 12.0° of top loading for operation on 640 kHz. Tower Four (4) will also employ 12.0° of top loading for operation on 640 kHz.
- The ground system will consist of 120 buried copper radials extending 117.1 meters (384.2 ft) from the base of each tower. Radials will be shortened and bonded to transverse straps along intersections between the towers or at the tentative property boundaries. All radials will consist of No. 10 soft-drawn copper wire or equivalent.
- The proposed daytime antenna system theoretical parameters are as follows:

Call: WMFN(AM).P(DAYTIME)		Freq: 640 kHz		Lat: 41-18-04 N							
PEOTONE, IL, US		Power: 4.4 kW		Lng: 087-50-07 W							
Theo RMS: 592.57 mV/m @ 1km @ 4.4 kW											
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	-999.0	0	1	63.0	12.0	0.0	0.0
2	1.060	-6.5	175.0	305.0	-999.0	0	1	70.0	12.0	0.0	0.0
3	1.110	108.5	84.0	250.0	-999.0	0	1	70.0	12.0	0.0	0.0
4	1.010	102.0	175.0	305.0	-999.0	1	1	63.0	12.0	0.0	0.0
Theoretical RMS: 592.57 mV/m@1km						Erss = 760.28 mV/m@1km					
Standard RMS: 622.59 mV/m@1km						Q = 20.98 mV/m@1km					

- The proposed nighttime antenna system theoretical parameters are as follows:

Call: WMFN.P(Nighttime)		Freq: 640 kHz		Lat: 41-18-04 N							
PEOTONE, IL, US		Power: 1.6 kW		Lng: 087-50-07 W							
Theo RMS: 377.57 mV/m @ 1km @ 1.6 kW											
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	-999.0	0	1	63.0	12.0	0.0	0.0
2	0.965	-66.0	175.0	305.0	-999.0	0	1	70.0	12.0	0.0	0.0
3	1.000	104.5	84.0	250.0	-999.0	0	1	70.0	12.0	0.0	0.0
4	1.150	56.0	175.0	305.0	-999.0	1	1	63.0	12.0	0.0	0.0
Theoretical RMS: 377.57 mV/m@1km						Erss = 510.32 mV/m@1km					
Standard RMS: 396.67 mV/m@1km						Q = 12.76 mV/m@1km					

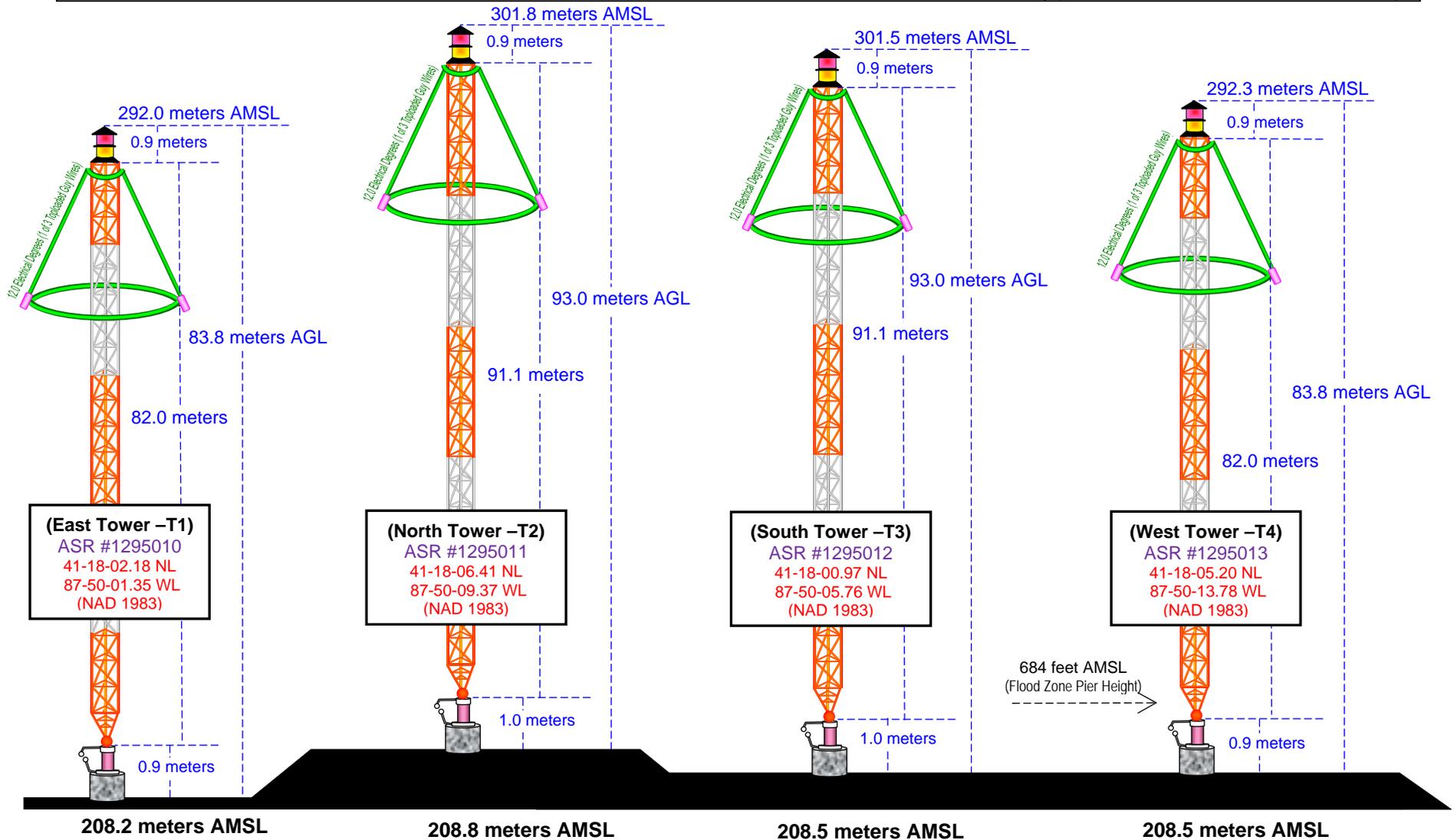
- The sampling system for the proposed array will conform to §73.68 of the Commission's Rules regarding approved sampling systems.

Exhibit 13.2 (Amended)

Vertical Plan of Antenna System

The site is located on W. County Line Road, 0.85 km northeast of the “dl” intersection of W. County Line Road and South Center Rd, the city of Peotone, Will County, Illinois.

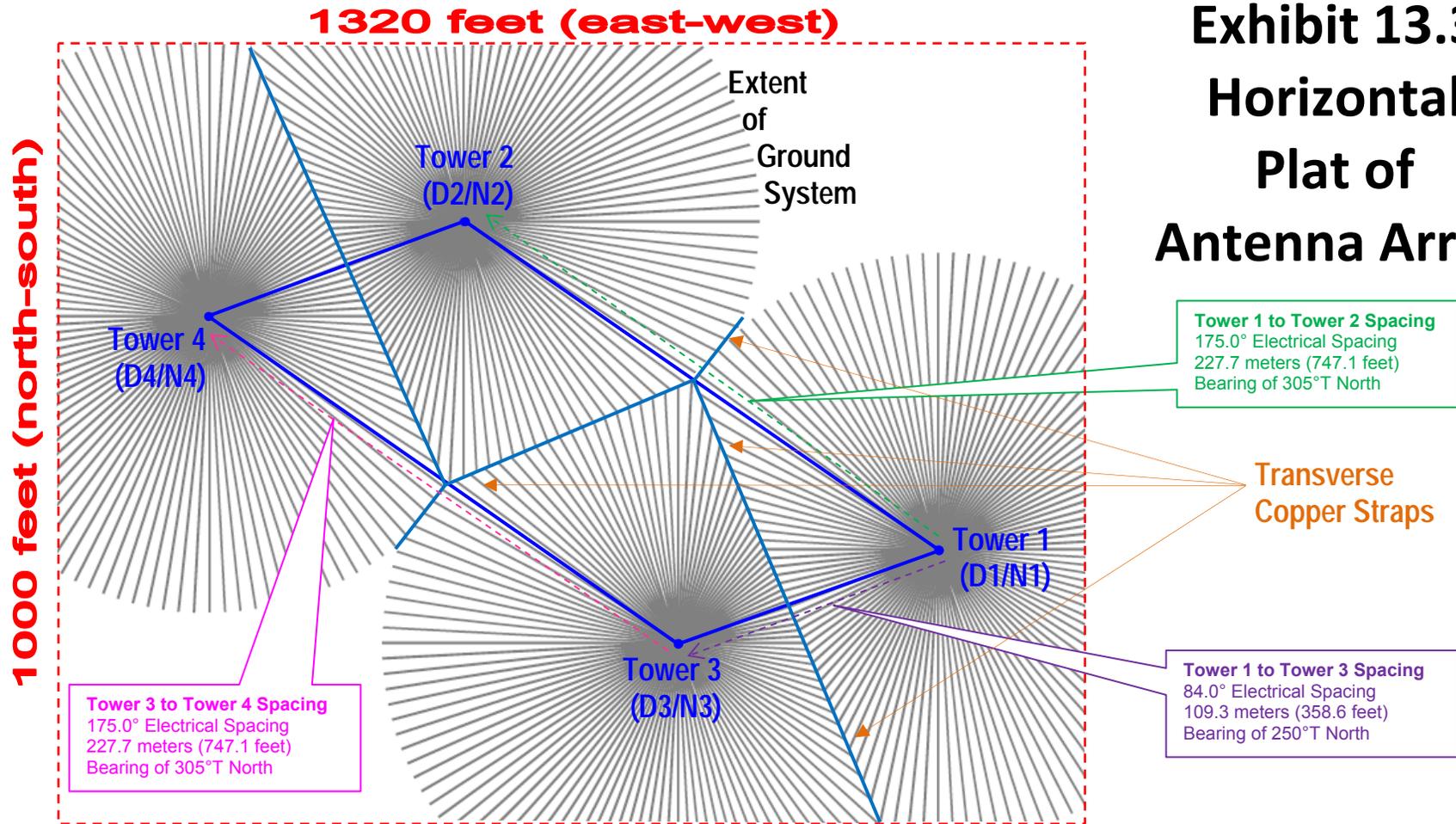
Site Location (NAD 27)
 NL: 41° 18' 04"
 WL: 87° 50' 07"
 (41-18-03.69 NL / 87-50-07.57 WL NAD 1983)



Guy Wires
 Not Shown
 Drawing is not to Scale

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Exhibit 13.3 Horizontal Plat of Antenna Array



The ground system will consist of 120 buried copper radials extending 117.1 meters (384.2 ft) from the base of each tower. Radials will be shortened and bonded to transverse straps along intersections between the towers. All radials will consist of No. 10 soft-drawn copper wire or equivalent.



Exhibit 13.4 USGS Topographic Map of Proposed Site

Proposed Site
41° 18' 04" NL
87° 50' 07" WL
NAD 1927
(41-18-03.69 NL; 87-50-07.57 WL NAD 1983)

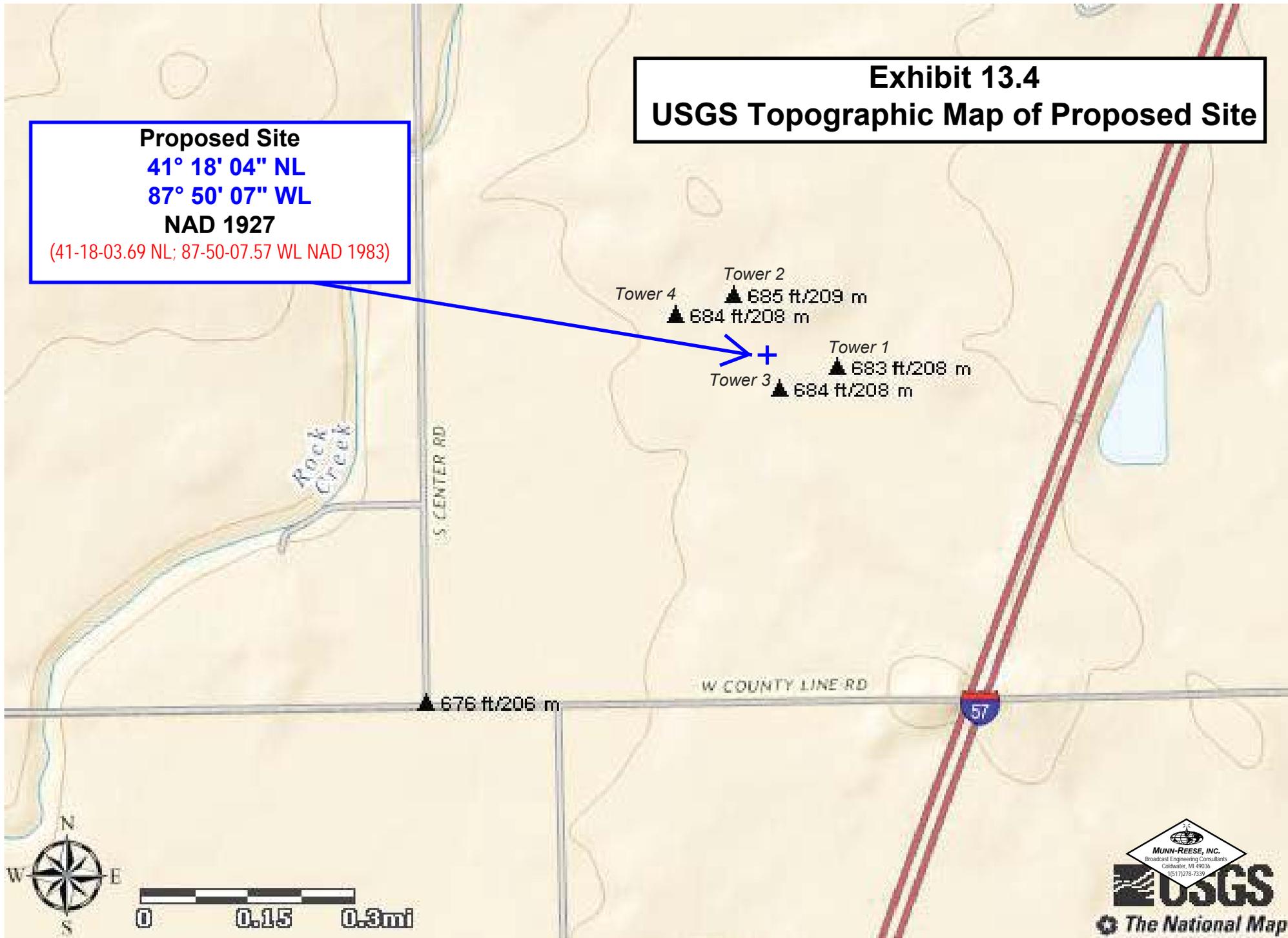


Exhibit 13.5 USGS Aerial Photograph of Proposed Site

Proposed Site
41° 18' 04" NL
87° 50' 07" WL
NAD 1927
(41-18-03.69 NL; 87-50-07.57 WL NAD 1983)

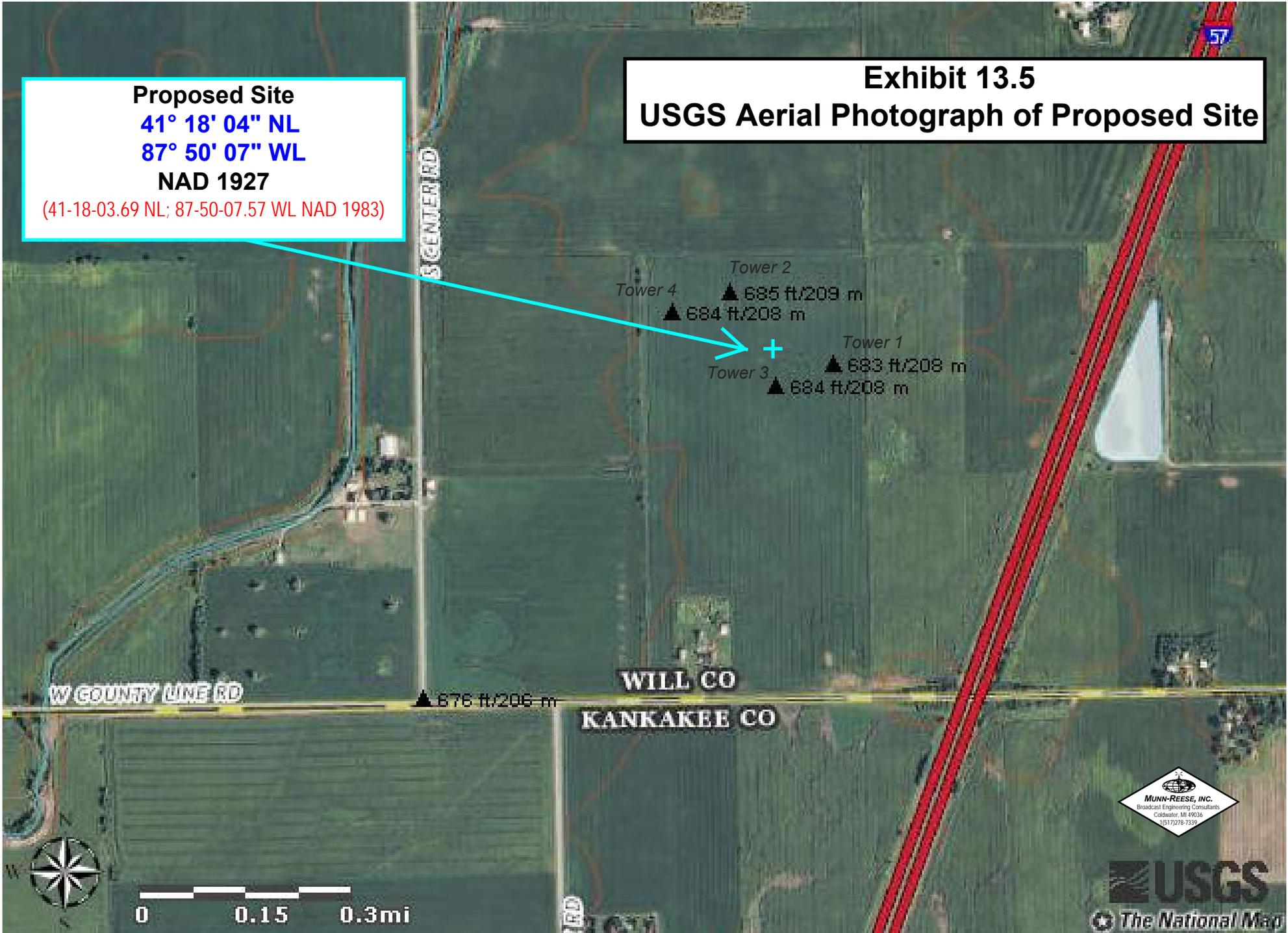


Exhibit 13.7 Present & Proposed Daytime Service Contour Study

Map M3 Ground Conductivity
U.S. Census 2010 PL Datum

WMFN.L
Zeeland, MI
BL19941014AE
FAC ID: 55089
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

5.0 mV/m Contour
Total Population: 402,569
Coverage Area: 1,537 sq. km

2.0 mV/m Contour
Total Population: 869,345
Coverage Area: 5,541 sq. km

0.5 mV/m Contour
Total Population: 1,708,543
Coverage Area: 26,695 sq. km

Present 0.5 mV/m

Present 2.0 mV/m

Present 5.0 mV/m

Proposed 0.5 mV/m

Proposed 2.0 mV/m

Proposed 5.0 mV/m

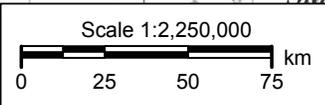
WMFN.P
Peotone, IL
Proposed Daytime
FAC ID: 55089
Freq: 640 kHz
Class: B
Latitude: 41-18-04 N
Longitude: 087-50-07 W
Power: 4.4 kW
RMS: 592.573 mV/m @1km
Towers: 4
Augs: 0

5.0 mV/m Contour
Total Population: 5,339,346
Coverage Area: 6,929 sq. km

2.0 mV/m Contour
Total Population: 7,588,223
Coverage Area: 17,144 sq. km

0.5 mV/m Contour
Total Population: 11,714,359
Coverage Area: 53,556 sq. km

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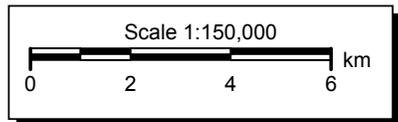
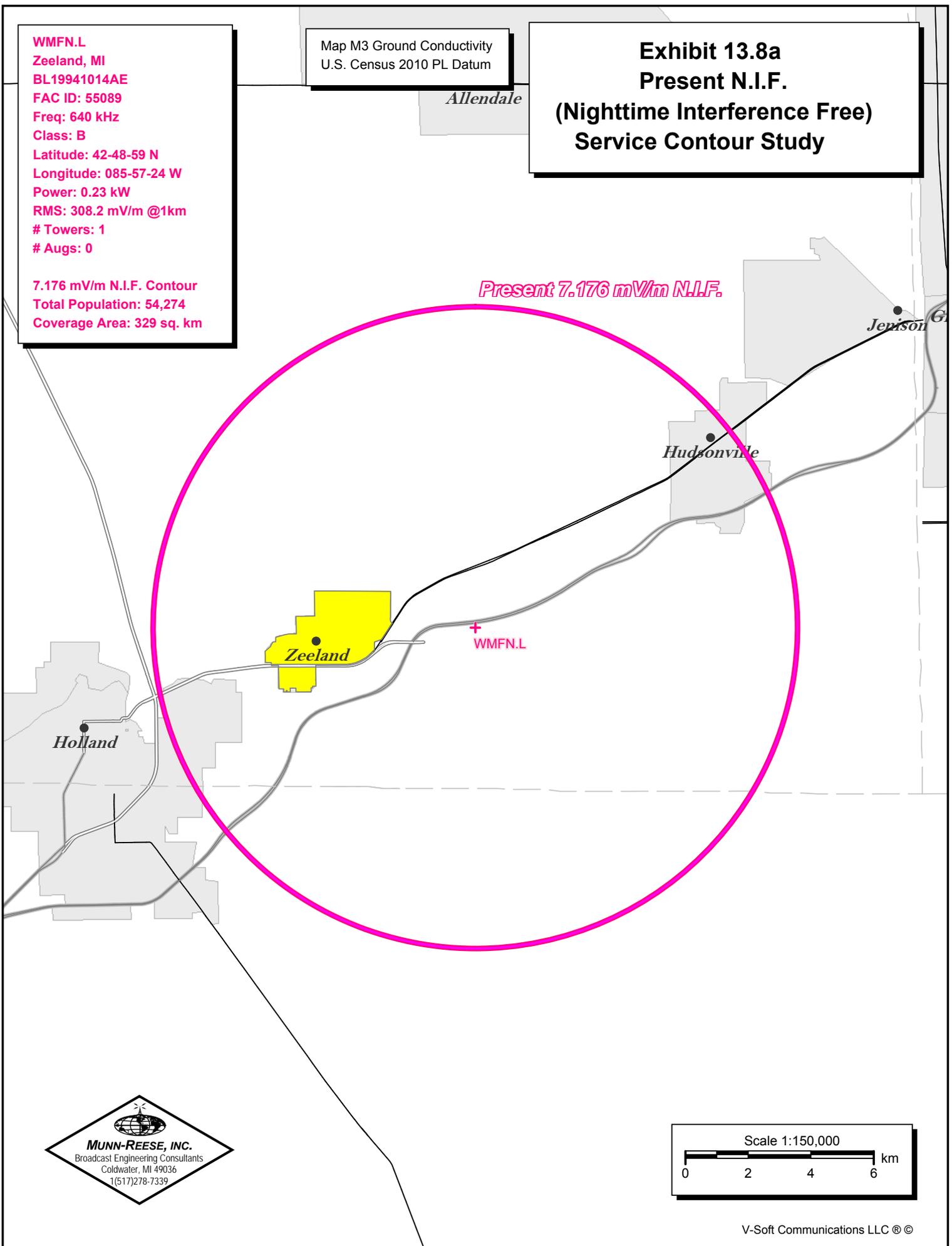


WMFN.L
Zeeland, MI
BL19941014AE
FAC ID: 55089
Freq: 640 kHz
Class: B
Latitude: 42-48-59 N
Longitude: 085-57-24 W
Power: 0.23 kW
RMS: 308.2 mV/m @1km
Towers: 1
Augs: 0

7.176 mV/m N.I.F. Contour
Total Population: 54,274
Coverage Area: 329 sq. km

Map M3 Ground Conductivity
U.S. Census 2010 PL Datum

Exhibit 13.8a Present N.I.F. (Nighttime Interference Free) Service Contour Study



WMFN.P
Peotone, IL
Proposed Nighttime
FAC ID: 55089
Freq: 640 kHz
Class: B
Latitude: 41-18-04 N
Longitude: 087-50-07 W
Power: 1.6 kW
RMS: 377.569 mV/m @1km
Towers: 4
Augs: 0

9.413 mV/m N.I.F. Contour
Total Population: 1,781,634
Coverage Area: 2,202 sq. km

Map M3 Ground Conductivity
U.S. Census 2010 PL Datum

Exhibit 13.8b Proposed N.I.F. (Nighttime Interference Free) Service Contour Study

Proposed 9.413 mV/m N.I.F.

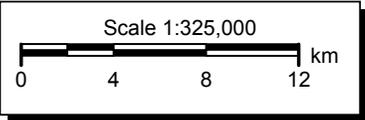
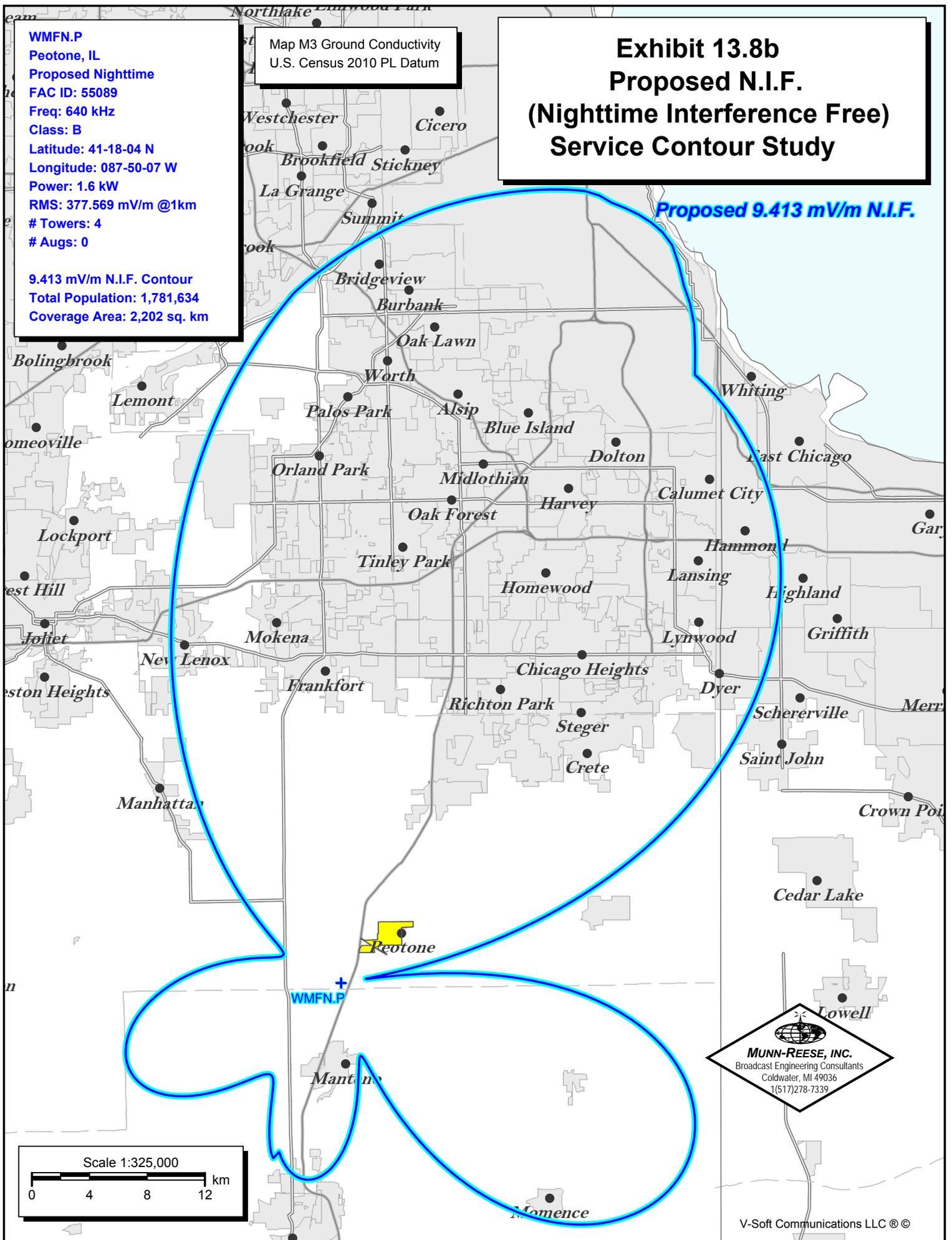


Exhibit 13.9 Proposed Daytime & Nighttime 1.0 V/m Blanket Contour Study

WMFN.P(Daytime)
Peotone, IL
Proposed Daytime
FAC ID: 55089
Freq: 640 kHz
Class: B
Latitude: 41-18-04 N
Longitude: 087-50-07 W
Power: 4.4 kW
RMS: 592.573 mV/m @1km
Towers: 4
Augs: 0

WMFN.P(Nighttime)
Peotone, IL
Proposed Nighttime
FAC ID: 55089
Freq: 640 kHz
Class: B
Latitude: 41-18-04 N
Longitude: 087-50-07 W
Power: 1.6 kW
RMS: 377.569 mV/m @1km
Towers: 4
Augs: 0

1.0 Vm "Blanket" Contour
Total Population: 13

1.0 Vm "Blanket" Contour
Total Population: 13

Map M3 Ground Conductivity
U.S. Census 2010 PL Datum

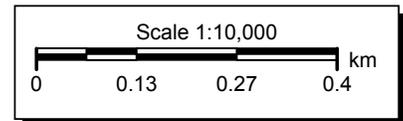
Proposed Daytime 1.0 V/m "Blanket" Contour

Proposed Nighttime 1.0 V/m "Blanket" Contour

W Kennedy Rd

+
13

WMFN.P(Daytime)
WMFN.P(Nighttime)
+



"+" Represents U.S. Census 2010 PL Population Centroid Datum