

Exhibit 11.1

Description of Proposed Antenna System

DAYTIME/NIGHTTIME ANTENNA SYSTEM

1. The present daytime directional antenna system will be reduced to a single tower non-directional operation. Minor errors were noted on the license therefore corrections are requested to correspond to existing ASR data. The daytime tower will stand 89.7° or 108.2 meters above a 0.9 meter base pier and insulator for a height of 109.1 meters Above Ground Level (AGL). Including 0.9 meters for obstruction lighting, the tower will stand 110.0 meters AGL. Given the site elevation of 1.0 meters, the overall heights for the tower will be 111.0 meters AMSL. The existing ASR number for the daytime tower is 1060248. The nighttime antenna system will consist of three (3) vertical guyed, uniform cross-section steel towers. All towers will stand 90.0° or 108.6 meters above a 0.9 meter base pier and insulator for a height of 109.5 meters Above Ground Level (AGL). Including 0.9 meters for obstruction lighting, the towers will stand 110.4 meters AGL. Given the site elevation of 1.5 meters, the overall heights for all tower will be 111.9 meters AMSL. Tower registration is pending on all towers.
2. The proposed ground systems will consist of 120 buried copper radials, extending 108.6 meters in length, about the base of the day and night 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 day antenna system theoretical parameters are the following:

Station Information:

Call: WIST.P
 Freq: 690 kHz
 NEW ORLEANS, LA, US
 Lat: 29-57-55 N
 Lng: 089-57-32 W
 Power: 8.0 kW
 Theo RMS: 305.57 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	89.7	0	0	0.0	0.0	0.0	0.0

4. The proposed night antenna system theoretical parameters are as follows:

Call: WIST.P Freq: 690 kHz NEW ORLEANS, LA, US
 Lat: 30-17-57 N Lng: 089-57-00 W Power: 2.0 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.853	-133.3	0.0	0.0	90.0	0	0	0.0	0.0	0.0	0.0
2	1.000	0.0	90.0	51.5	90.0	0	0	0.0	0.0	0.0	0.0
3	0.464	139.1	180.0	51.5	90.0	0	0	0.0	0.0	0.0	0.0

 Theoretical RMS: 467.07 mV/m@1km Erss = 635.50 mV/m@1km
 Standard RMS: 490.70 mV/m@1km Q = 15.89 mV/m@1km

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

Exhibit 11.2 (day)

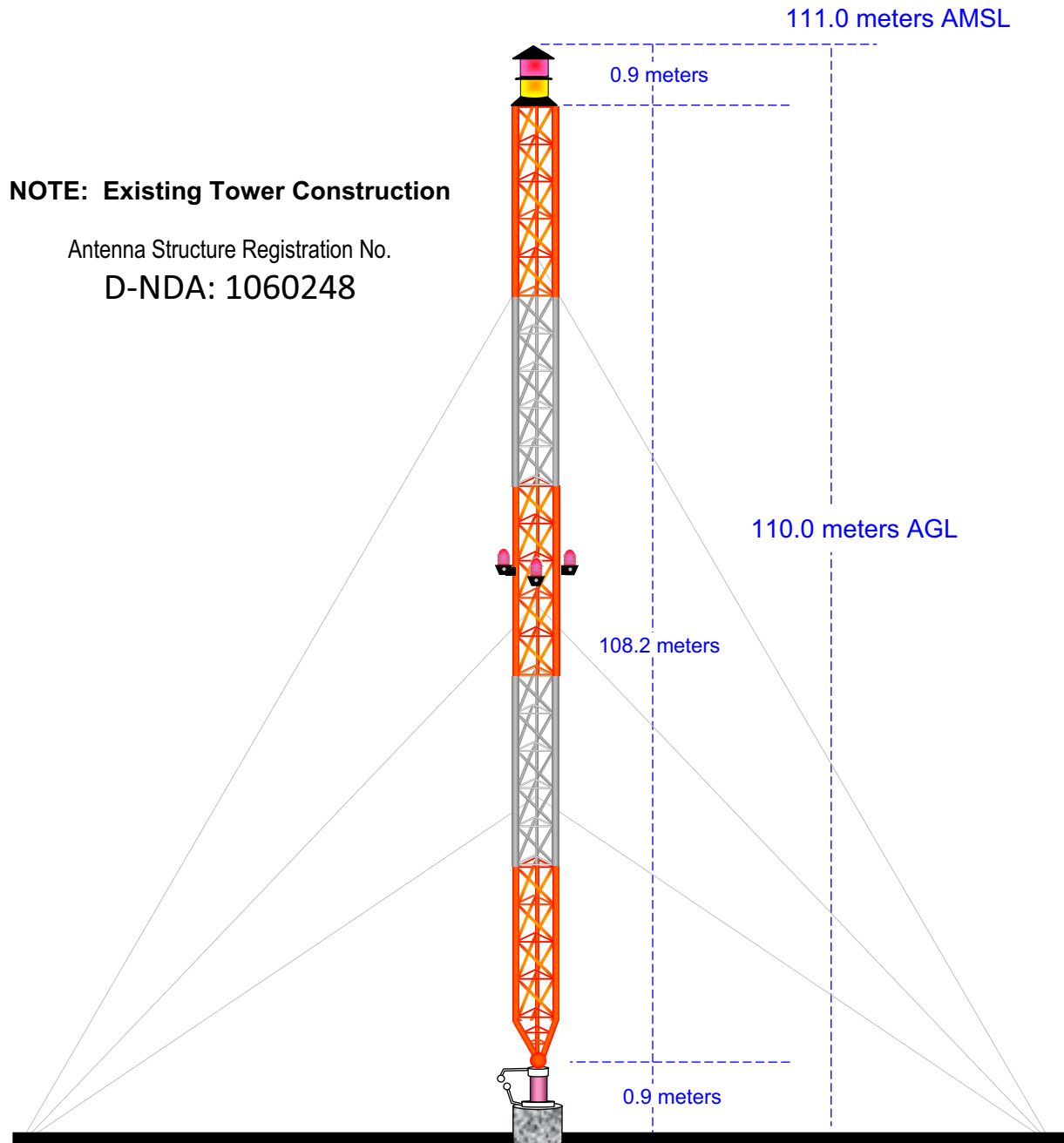
Vertical Plan of Antenna System

The site is located on Paris Road & Florida Walk.
the city of Calmette, St. Bernard County, Louisiana.

Site Location (NAD 27)

NL: 29° 57' 55"

WL: 89° 57' 32"



Ground Elevation = 1.0 m AMSL

Drawing is not to Scale

MUNN-REESE, INC.

Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 11.2 (night)

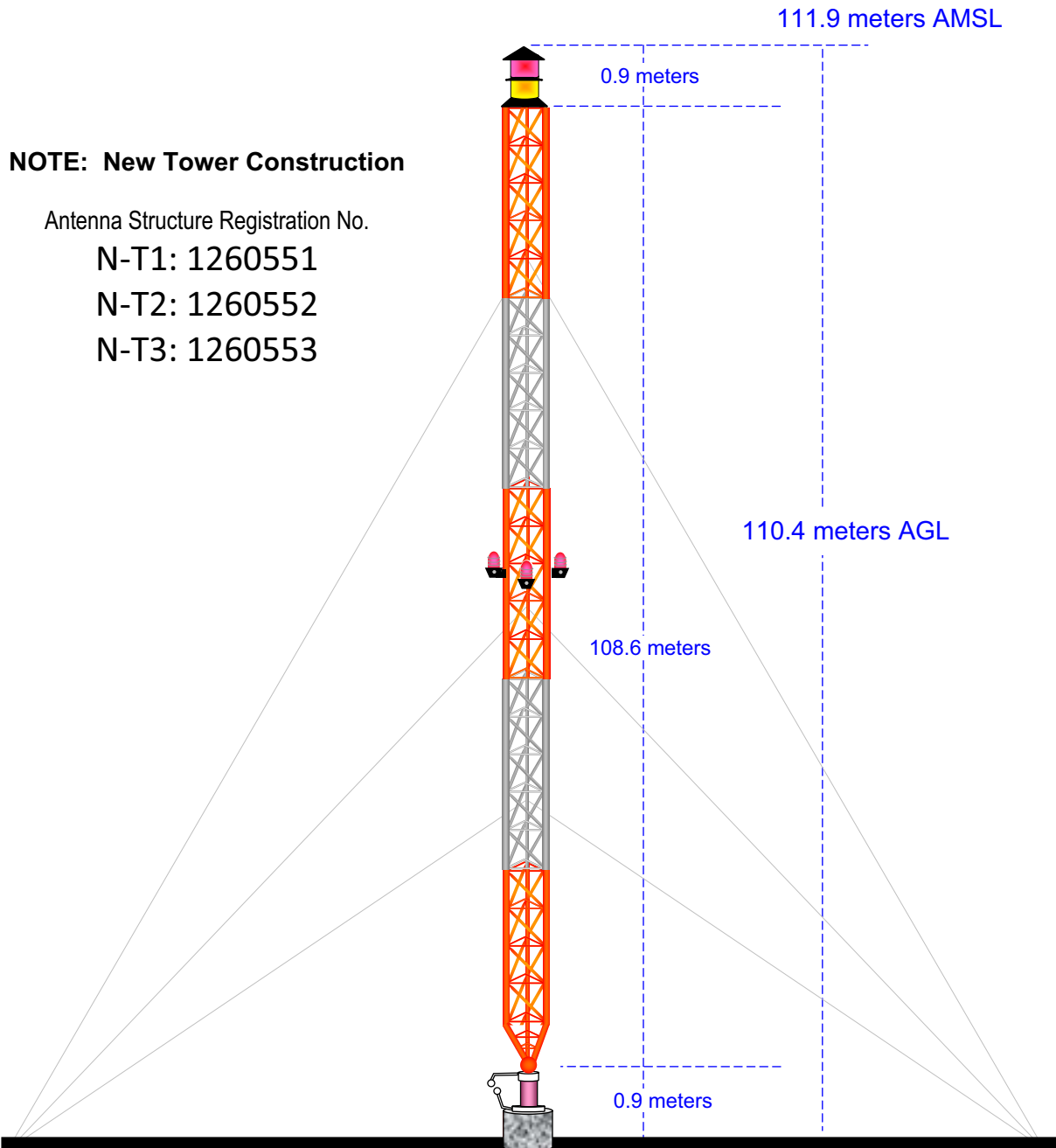
Vertical Plan of Antenna System

The site is southwest of the “J” intersection of Louisiana HWY No 434 & Snider Road. the city of Lacombe, St. Tammany County, Louisiana.

Site Location (NAD 27)

NL: 30° 17' 57"

WL: 89° 57' 00"

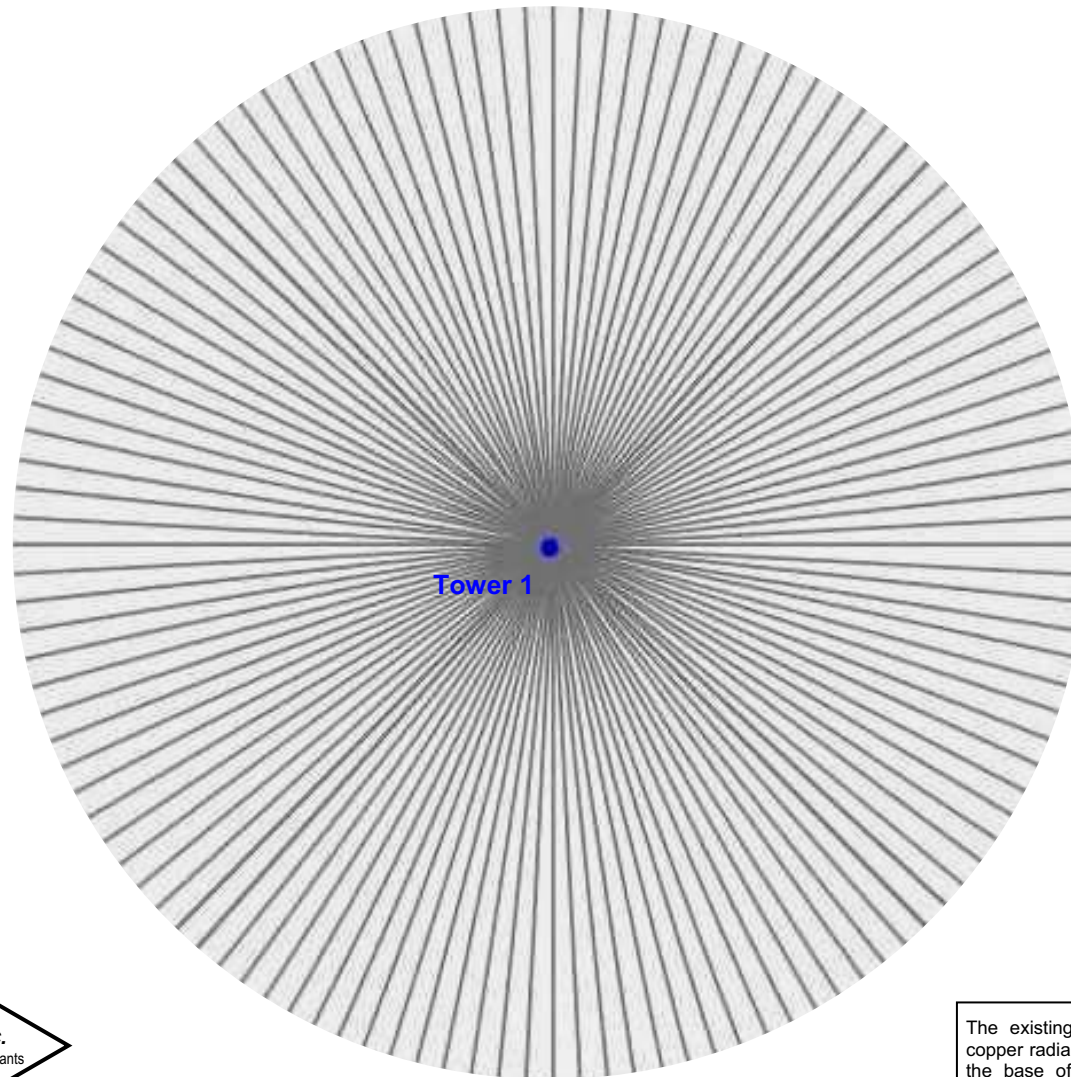


Ground Elevation = 1.5 m AMSL
Drawing is not to Scale

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Coldwater, MI 49036

Exhibit 11.3 (day) Horizontal Plat of Antenna Array

↑
North



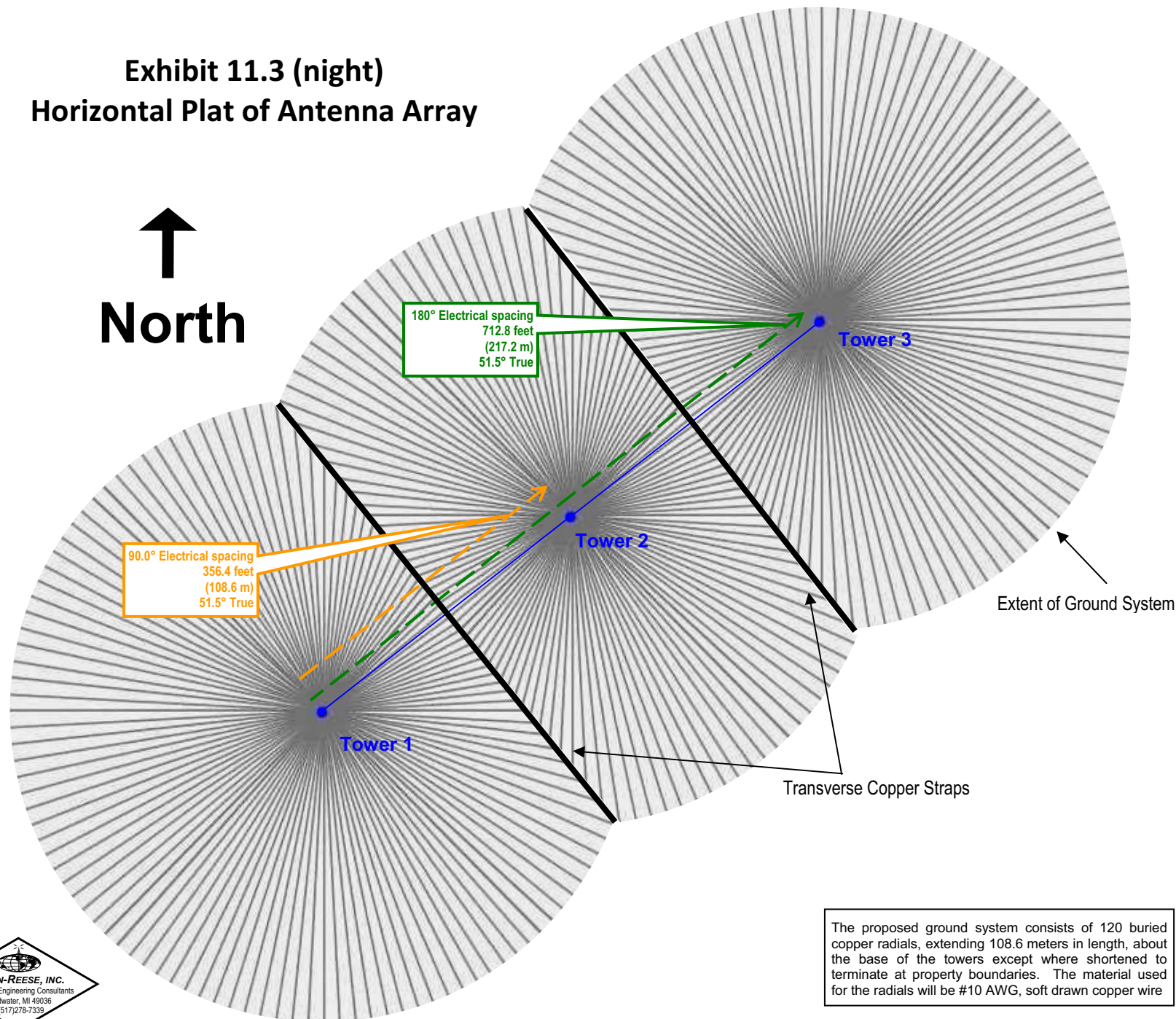
Extent of Ground System



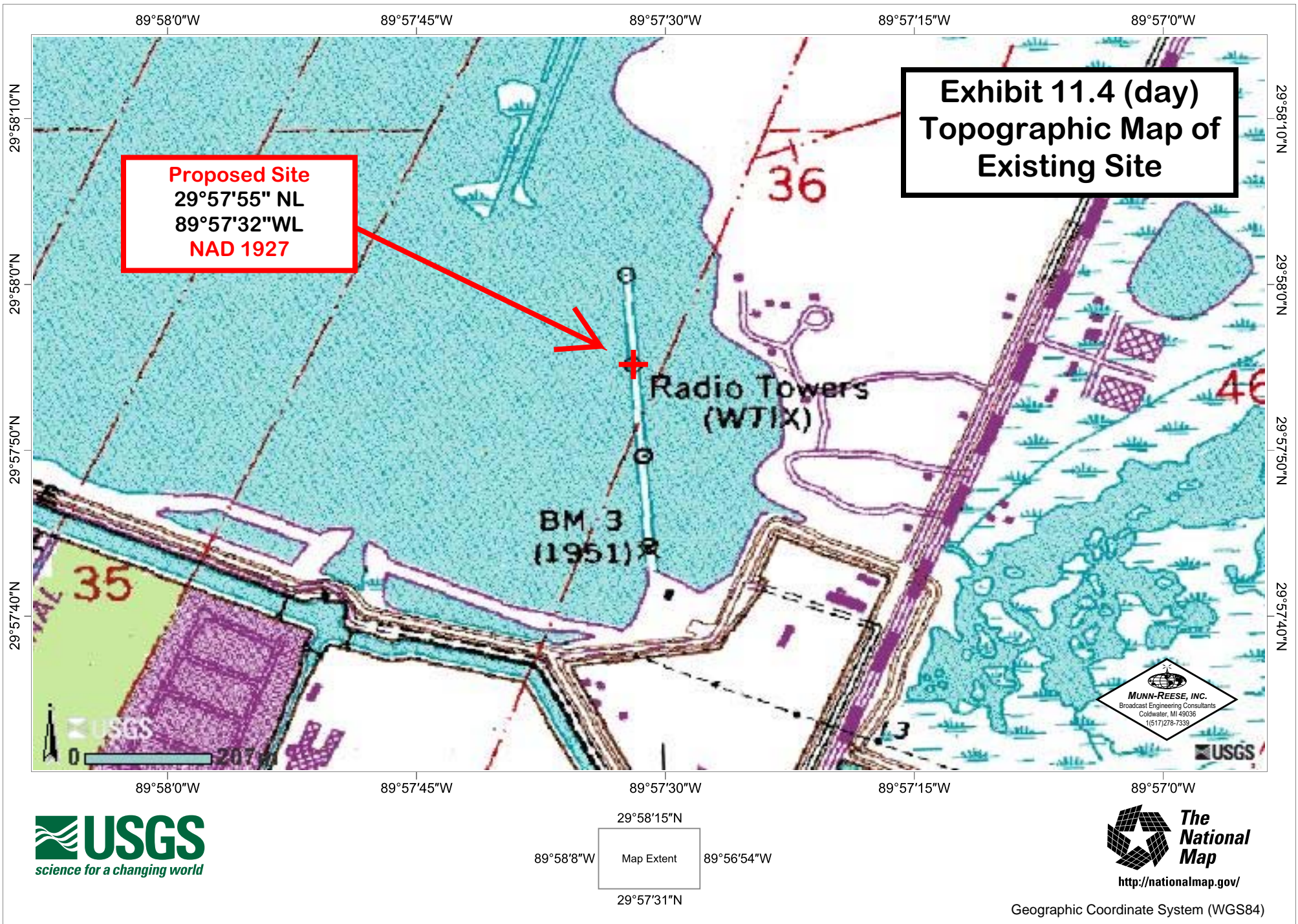
The existing ground system consists of 120 buried copper radials, extending 108.6 meters in length, about the base of the towers except where shortened to terminate at property boundaries. The material used for the radials is #10 AWG, soft drawn copper wire

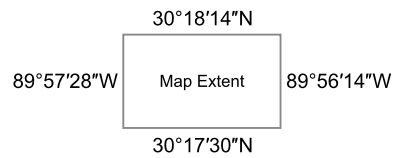
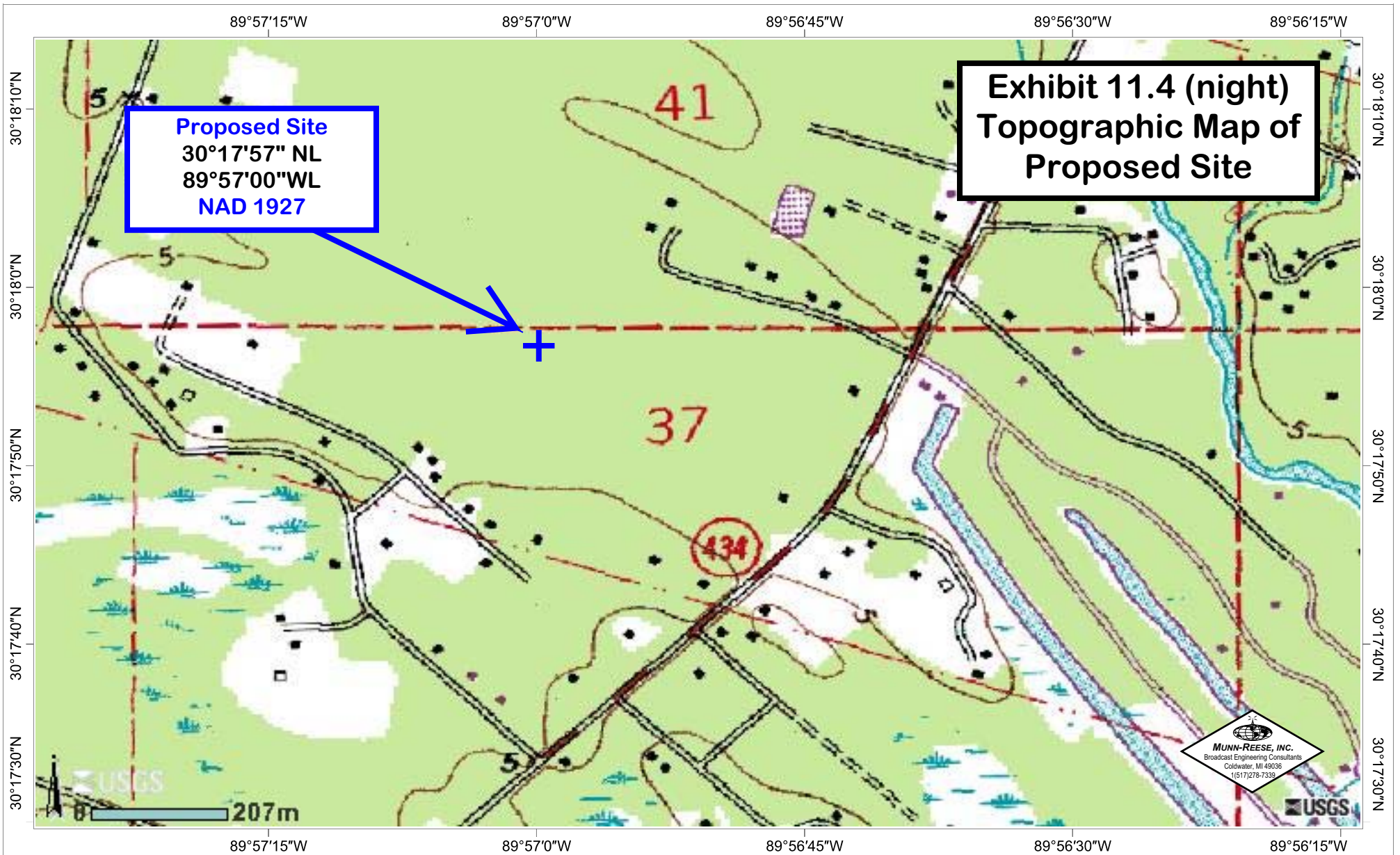
Exhibit 11.3 (night) Horizontal Plat of Antenna Array

↑
North

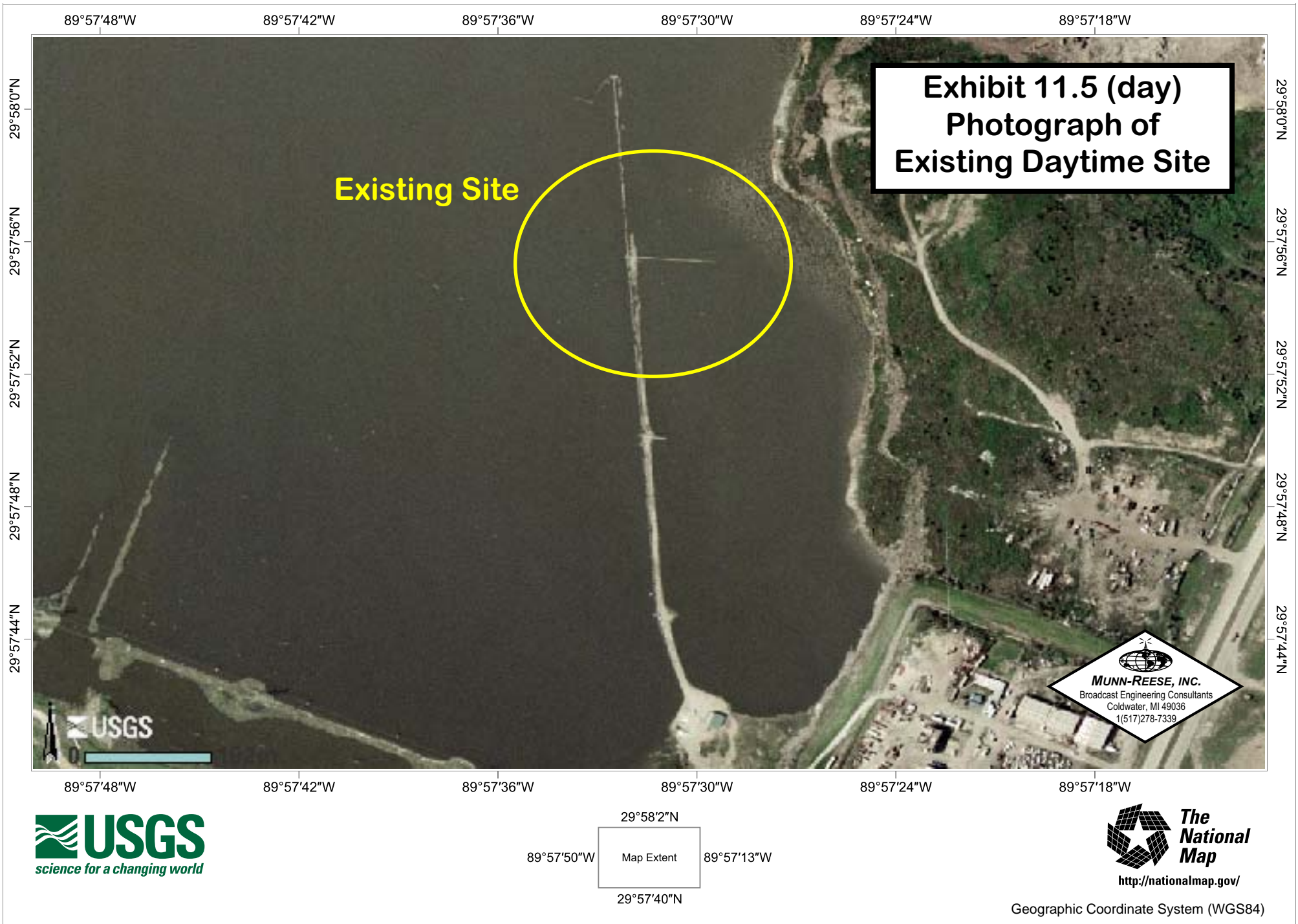


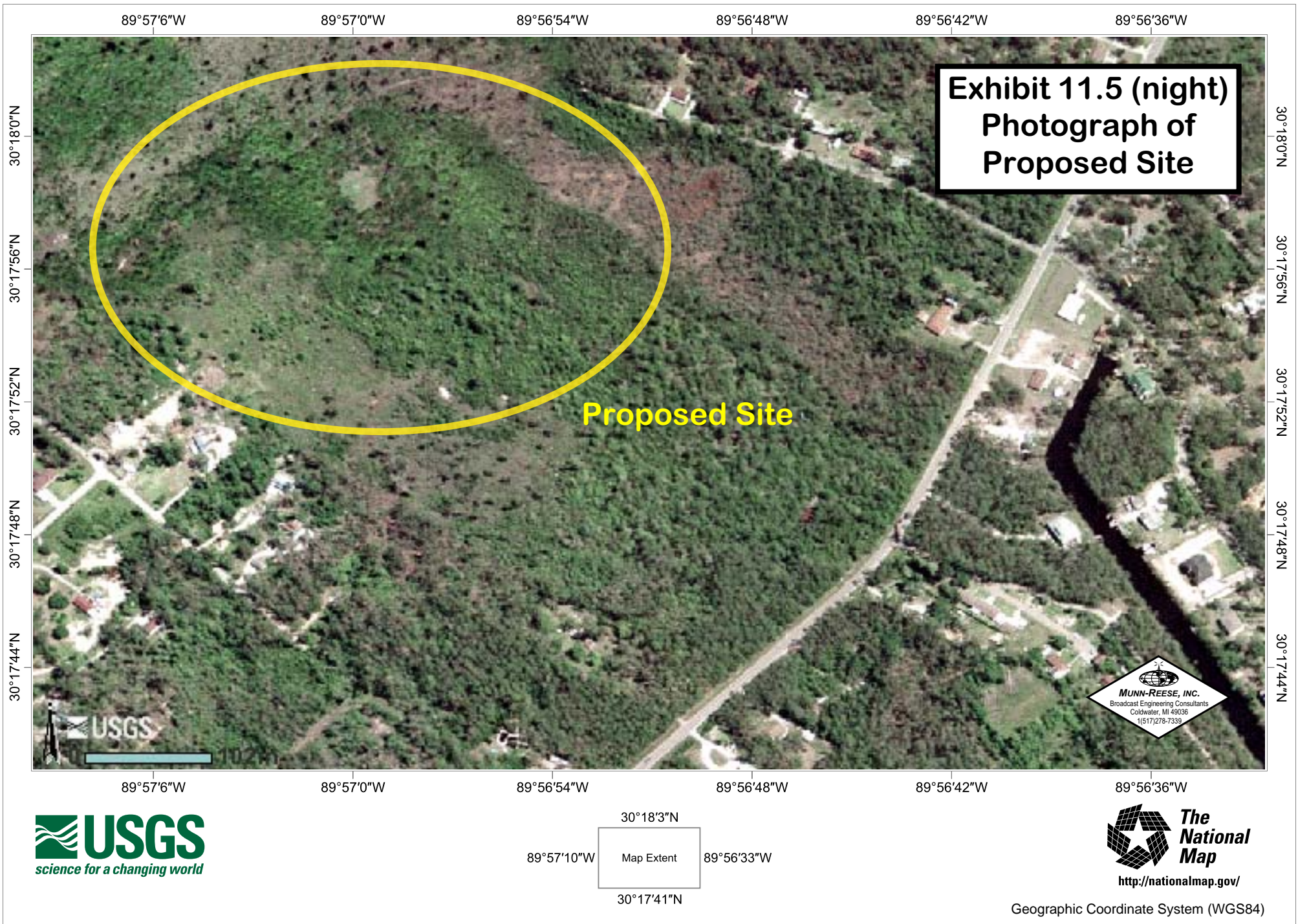
The proposed ground system consists of 120 buried copper radials, extending 108.6 meters in length, about the base of the towers except where shortened to terminate at property boundaries. The material used for the radials will be #10 AWG, soft drawn copper wire.

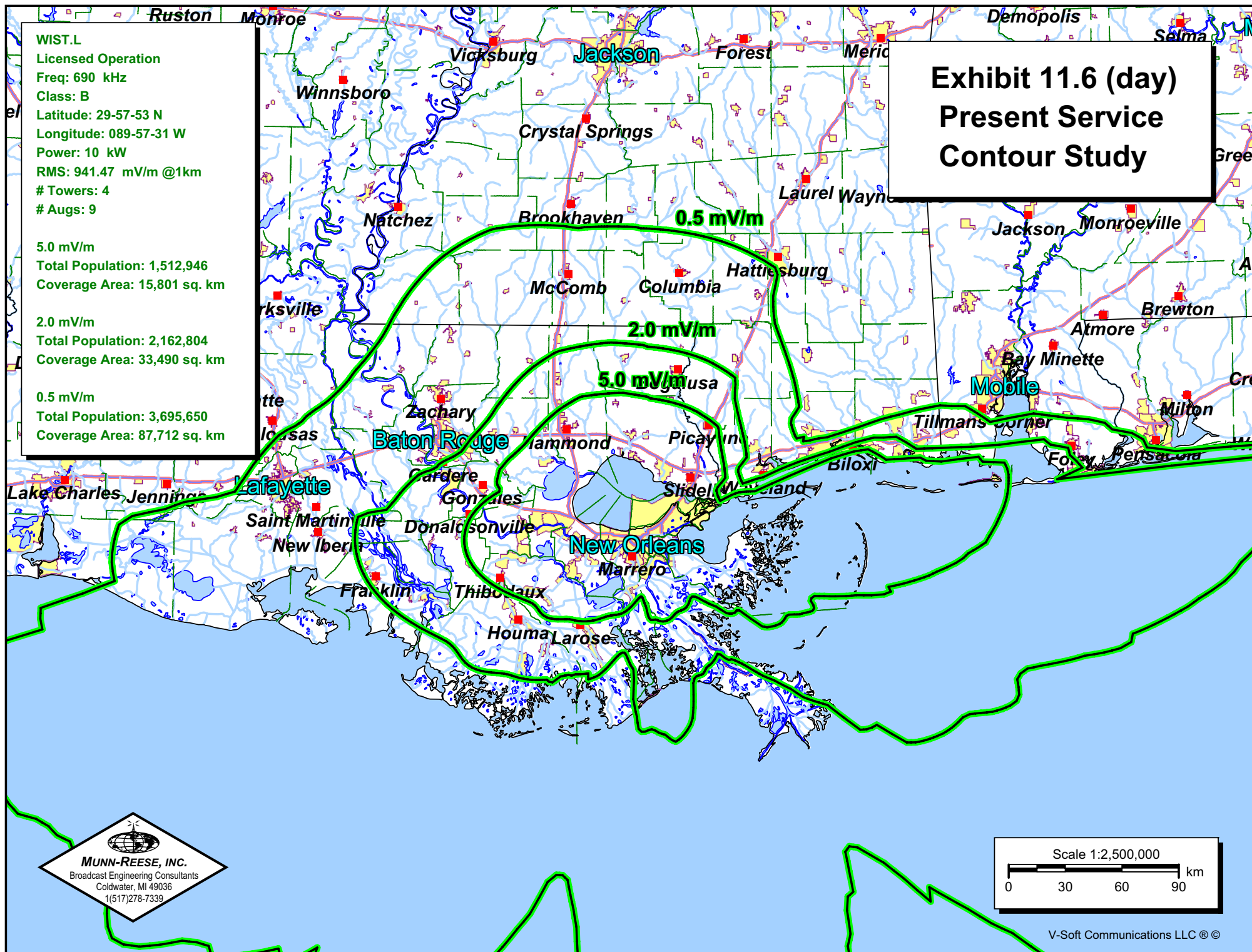




Geographic Coordinate System (WGS84)







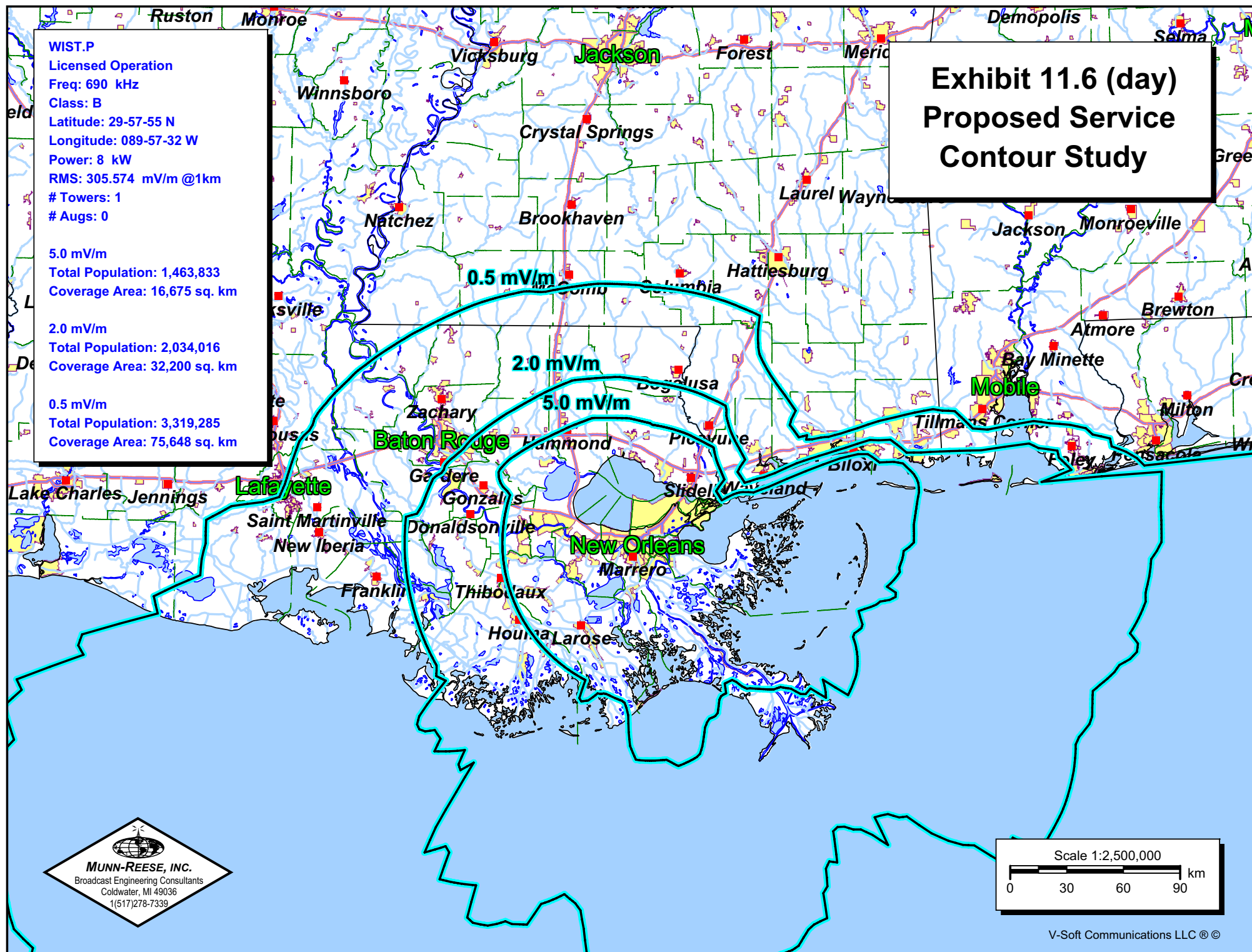
WIST.P
Licensed Operation
Freq: 690 kHz
Class: B
Latitude: 29-57-55 N
Longitude: 089-57-32 W
Power: 8 kW
RMS: 305.574 mV/m @1km
Towers: 1
Augs: 0

5.0 mV/m
Total Population: 1,463,833
Coverage Area: 16,675 sq. km

2.0 mV/m
Total Population: 2,034,016
Coverage Area: 32,200 sq. km

0.5 mV/m
Total Population: 3,319,285
Coverage Area: 75,648 sq. km

Exhibit 11.6 (day) Proposed Service Contour Study



Scale 1:2,500,000

0 30 60 90 km

WIST.P
Proposed Operation
Freq: 690 kHz
Class: B
Latitude: 30-17-57 N
Longitude: 089-57-00 W
Power: 2 kW
RMS: 467.065 mV/m @1km
Towers: 3
Augs: 0

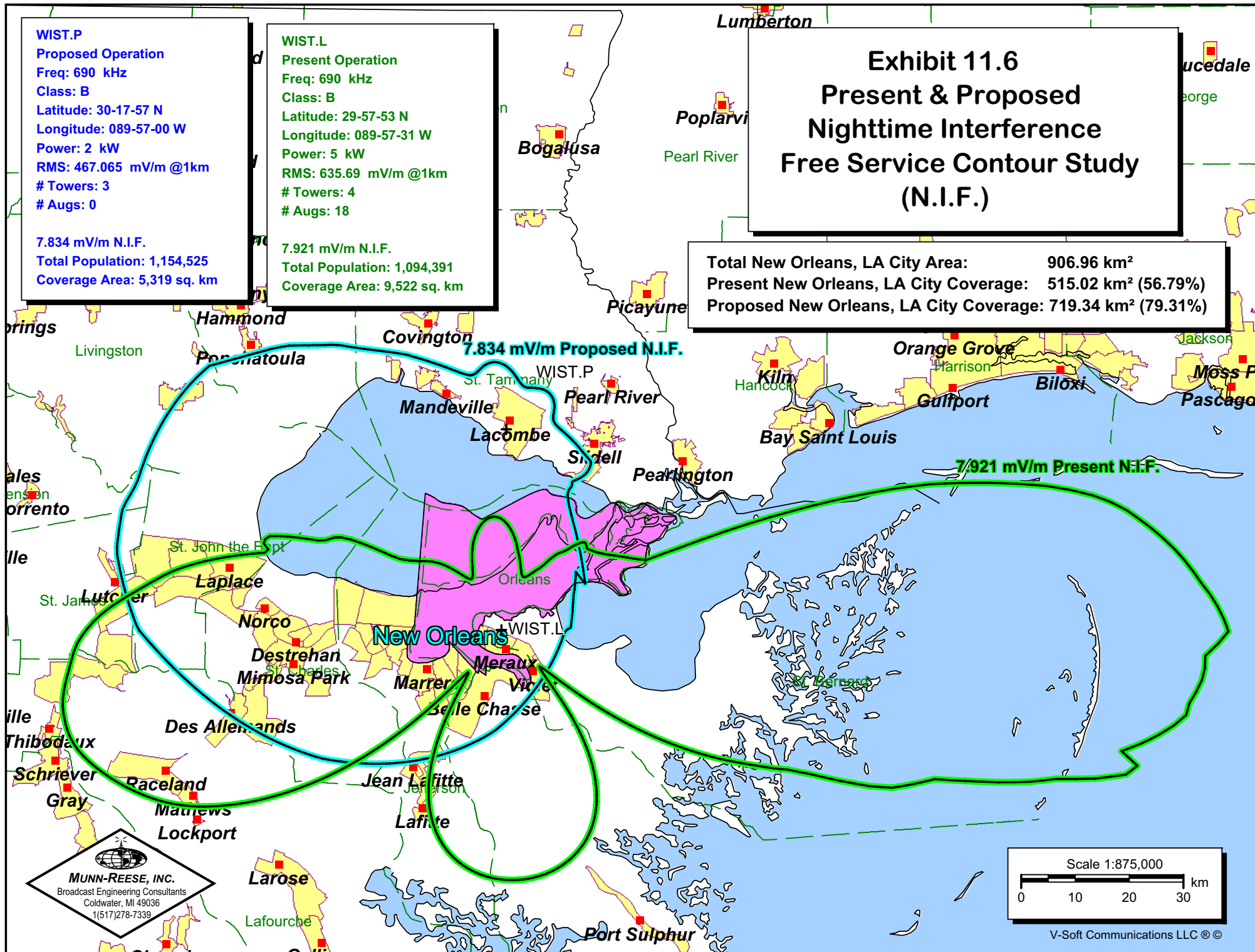
7.834 mV/m N.I.F.
Total Population: 1,154,525
Coverage Area: 5,319 sq. km

WIST.L
Present Operation
Freq: 690 kHz
Class: B
Latitude: 29-57-53 N
Longitude: 089-57-31 W
Power: 5 kW
RMS: 635.69 mV/m @1km
Towers: 4
Augs: 18

7.921 mV/m N.I.F.
Total Population: 1,094,391
Coverage Area: 9,522 sq. km

Exhibit 11.6 Present & Proposed Nighttime Interference Free Service Contour Study (N.I.F.)

Total New Orleans, LA City Area: 906.96 km²
Present New Orleans, LA City Coverage: 515.02 km² (56.79%)
Proposed New Orleans, LA City Coverage: 719.34 km² (79.31%)



1.0 V/m "Blanket" Contour
Total Population: 76
Coverage Area: 2 sq. km

Exhibit 11.7 (day)
Proposed 1.0 V/m
"Blanket" Interference Study

1.0 V/m Proposed "Blanket" Contour

WIST.P



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"+" Represents U.S. Census 2000 Population SF1 Centroid Datum

Scale 1:12,000

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WIST.P
Proposed Operation
Freq: 690 kHz
Class: B
Latitude: 30-17-57 N
Longitude: 089-57-00 W
Power: 2 kW
RMS: 467.065 mV/m @1km
Towers: 3
AUs: 0

1.0 V/m "Blanket" Contour
Total Population: 0
Coverage Area: 1 sq. km

Exhibit 11.7 (night) Proposed 1.0 V/m "Blanket" Interference Study

1.0 V/m Proposed "Blanket" Contour

+
WIST.P

NW Prices Aly

Barringer Rd

Cousin Dr

Ducre Rd

Snider Rd

Creole Rd

Evelyn Dr

Cat Rd
Jack Batiste Rd

Dale Dr

Sampson Dr

Maria Dr

Bertha Rd

Muriel Ln

Lucille Dr

Mandan

Scale 1:12,000

0 0.17 0.33 0.5 km



"+" Represents U.S. Census 2000 Population SF1 Centroid Datum

+
121

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