

Exhibit 11.1

Description of Proposed Antenna System

DAYTIME/NIGHTTIME ANTENNA SYSTEM

- 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.
- 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.
- 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 Swtch	TL Swtch	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

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

Call: WIST.P											
Lat: 30-17-57 N											
Freq: 690 kHz											
Lng: 089-57-00 W											
NEW ORLEANS, LA, US											
Power: 2.0 kW											
#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch	TL Swtch	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					

- 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)

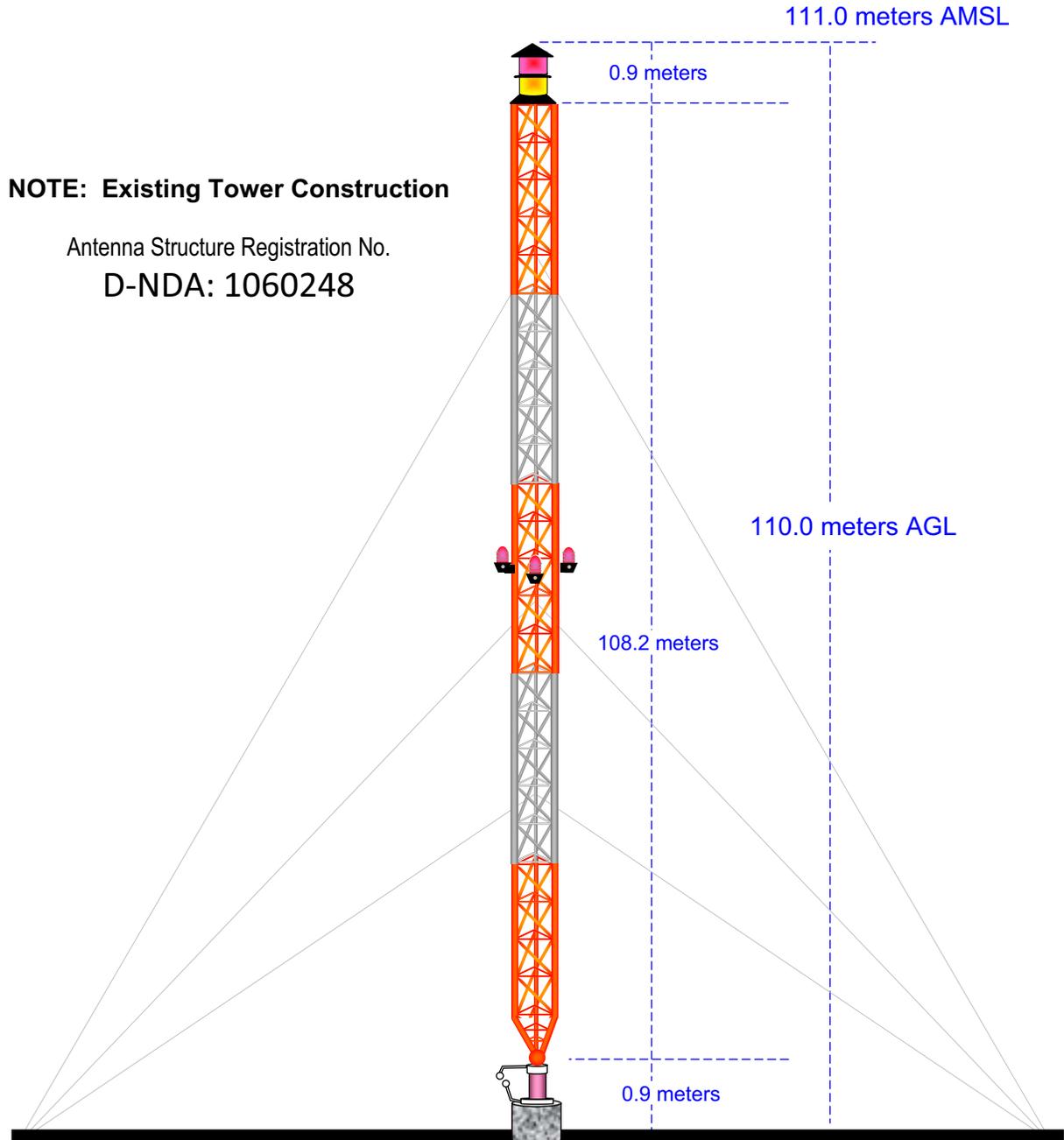
Vertical Plan of Antenna System

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"



NOTE: Existing Tower Construction

Antenna Structure Registration No.

D-NDA: 1060248

Ground Elevation = 1.0 m AMSL

Drawing is not to Scale

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Broadcast Engineering Consultants

Coldwater, MI 49036

Exhibit 11.2 (night)

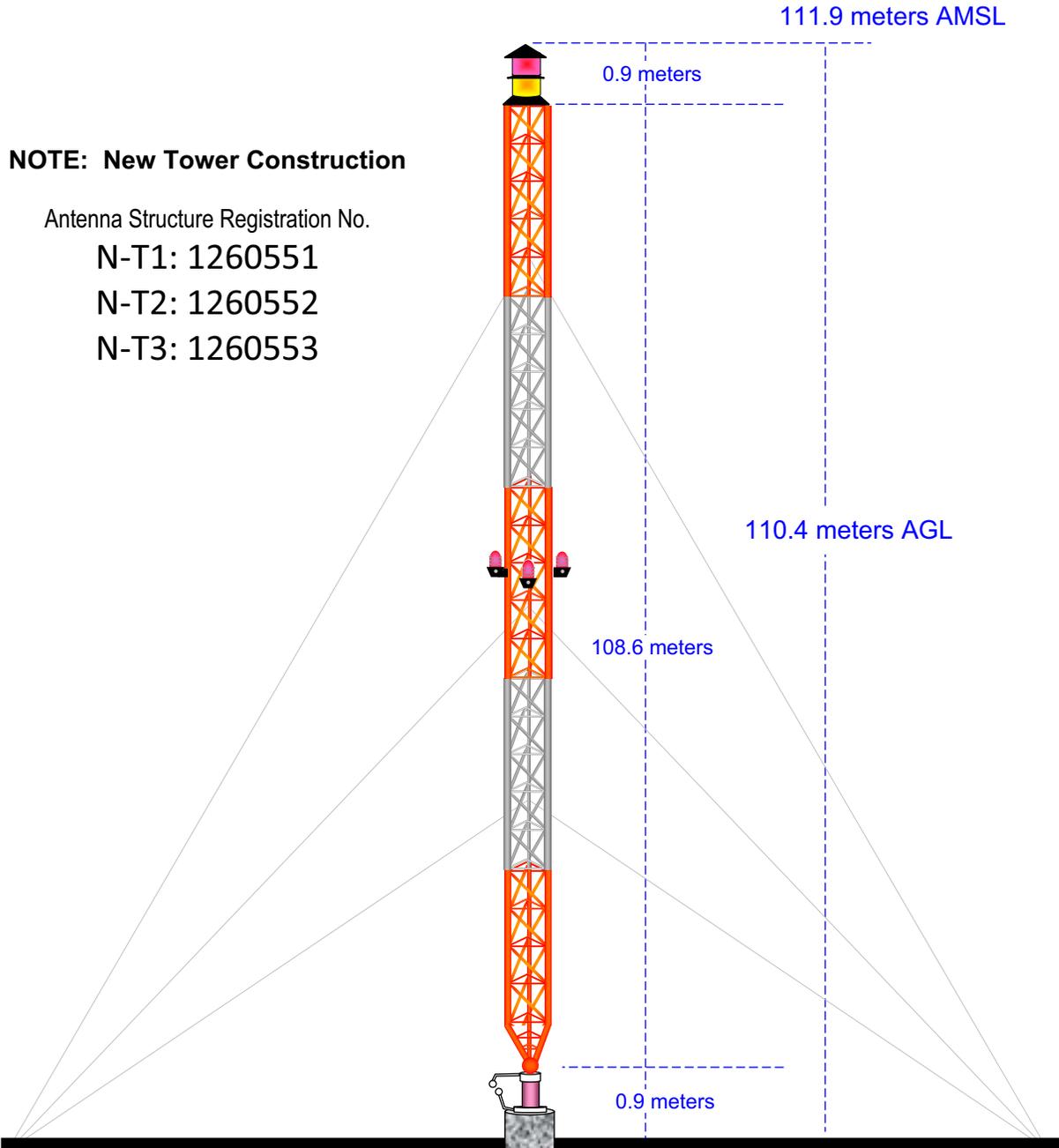
Vertical Plan of Antenna System

The site is southwest of the “T” 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

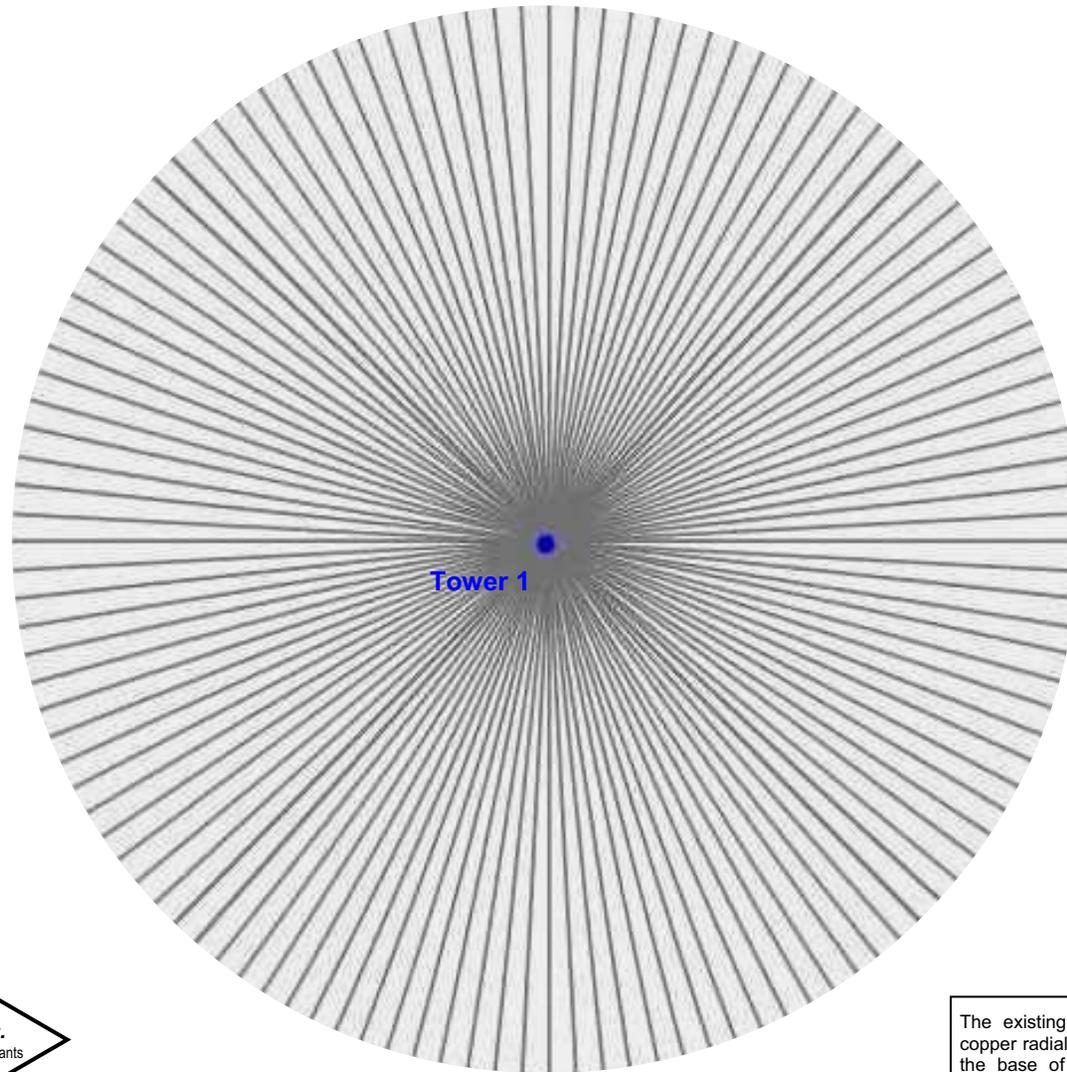
Drawing is not to Scale

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Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 11.3 (day) Horizontal Plat of Antenna Array

↑
North



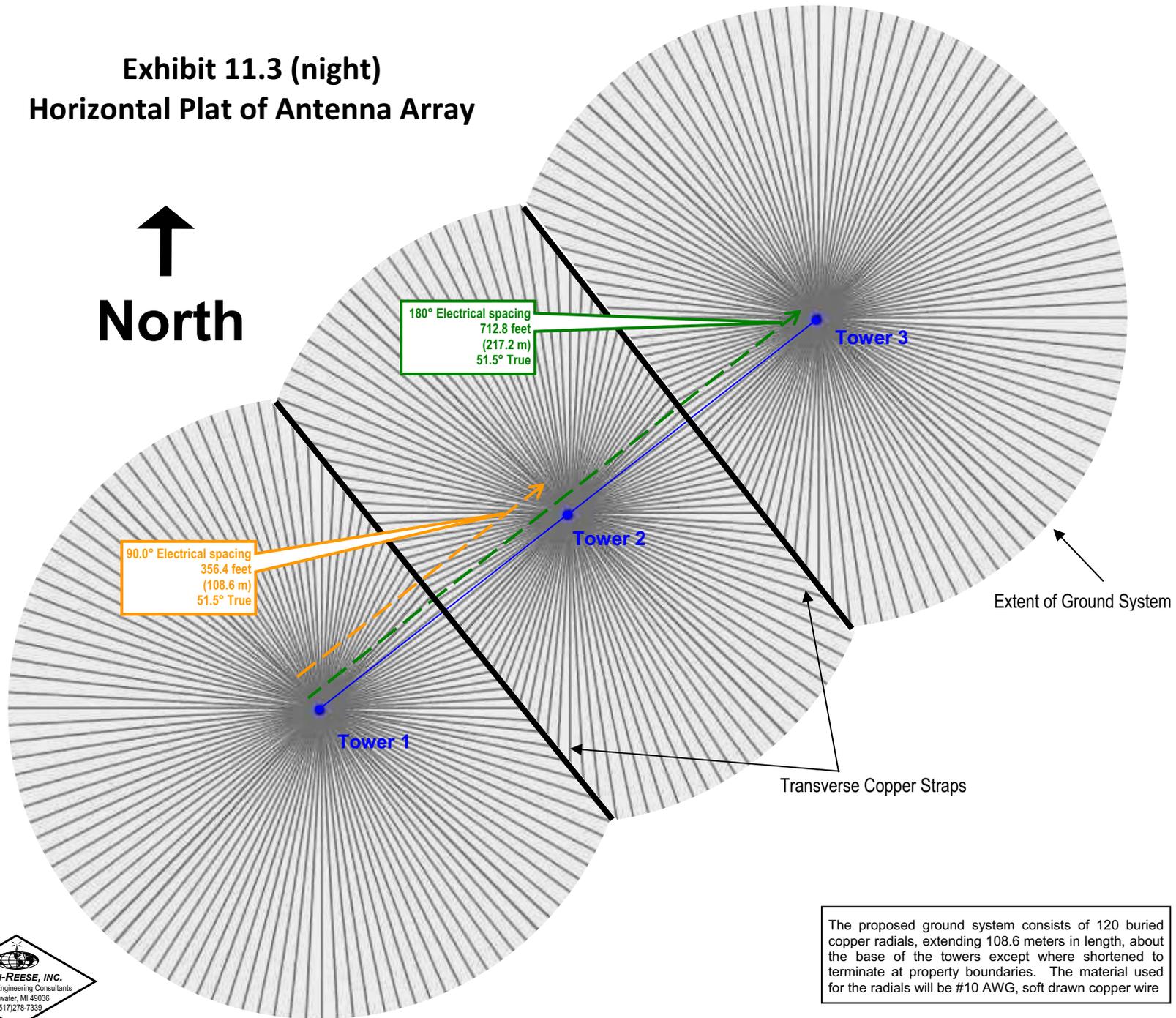
↙
Extent of Ground System



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



90.0° Electrical spacing
356.4 feet
(108.6 m)
51.5° True

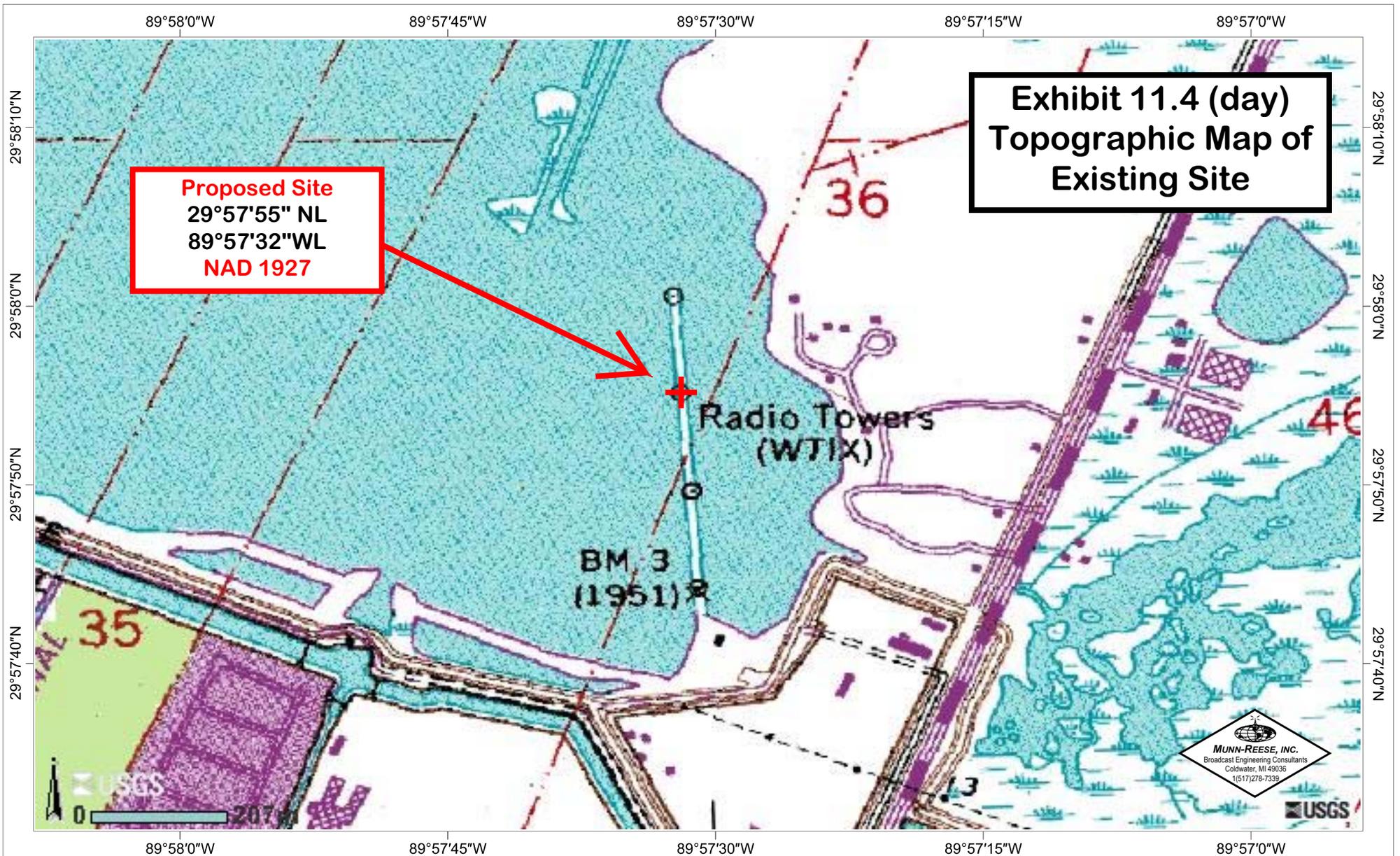
180° Electrical spacing
712.8 feet
(217.2 m)
51.5° True

Transverse Copper Straps

Extent of Ground System

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





**Exhibit 11.4 (day)
Topographic Map of
Existing Site**

Proposed Site
29°57'55" NL
89°57'32" WL
NAD 1927

Radio Towers
(WTIX)

BM 3
(1951)

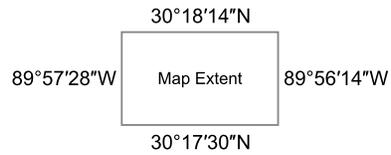
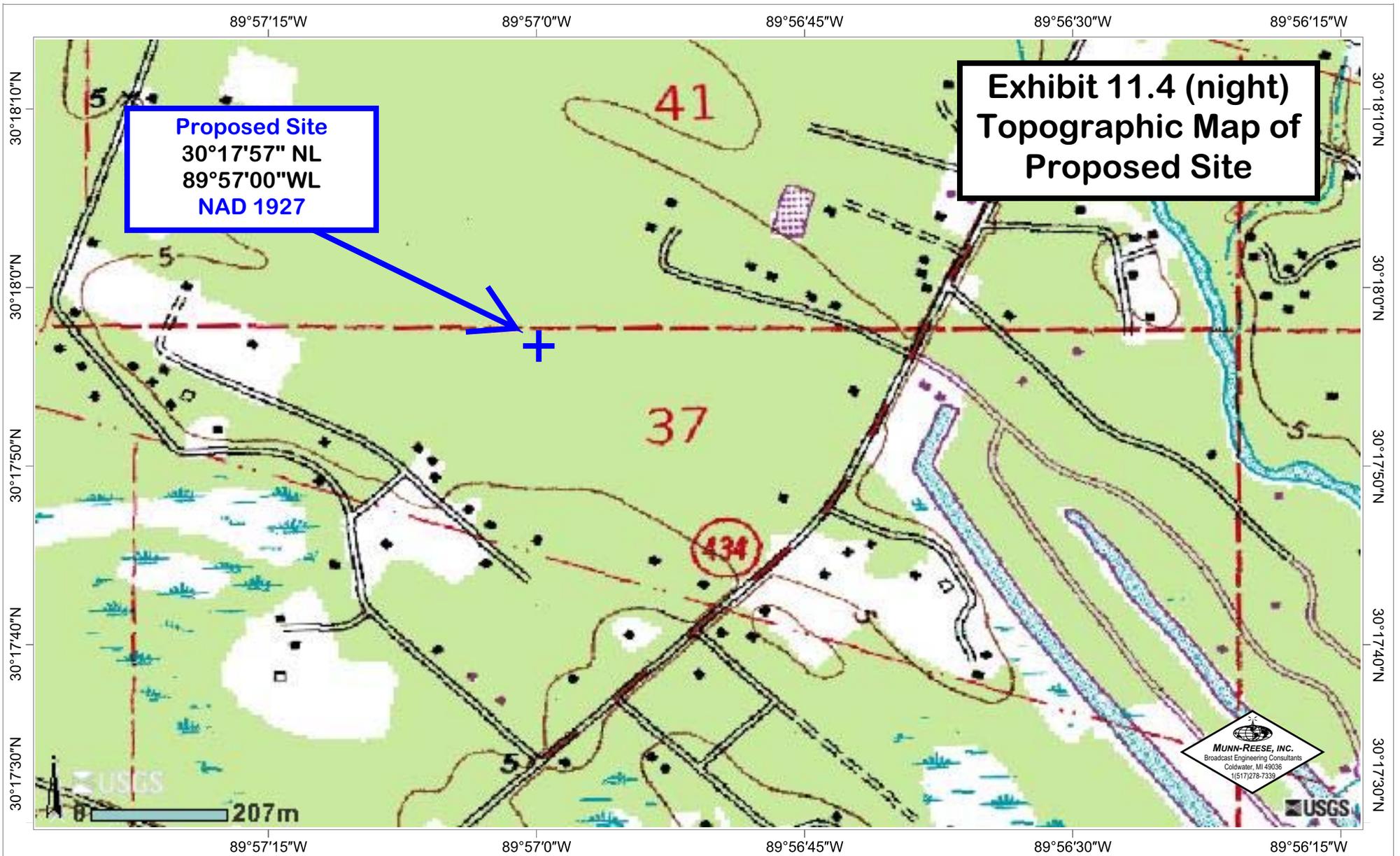


29°58'15"N
Map Extent
29°57'31"N

89°58'8"W 89°56'54"W



Geographic Coordinate System (WGS84)



Geographic Coordinate System (WGS84)

89°57'48"W

89°57'42"W

89°57'36"W

89°57'30"W

89°57'24"W

89°57'18"W

29°58'0"N

29°57'56"N

29°57'52"N

29°57'48"N

29°57'44"N

29°58'0"N

29°57'56"N

29°57'52"N

29°57'48"N

29°57'44"N

**Exhibit 11.5 (day)
Photograph of
Existing Daytime Site**

Existing Site



USGS

89°57'48"W

89°57'42"W

89°57'36"W

89°57'30"W

89°57'24"W

89°57'18"W



89°57'50"W

29°58'2"N

29°57'40"N

Map Extent

89°57'13"W



<http://nationalmap.gov/>

Geographic Coordinate System (WGS84)

89°57'6"W

89°57'0"W

89°56'54"W

89°56'48"W

89°56'42"W

89°56'36"W

30°18'0"N

30°17'56"N

30°17'52"N

30°17'48"N

30°17'44"N

30°18'0"N

30°17'56"N

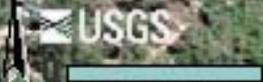
30°17'52"N

30°17'48"N

30°17'44"N

**Exhibit 11.5 (night)
Photograph of
Proposed Site**

Proposed Site



89°57'6"W

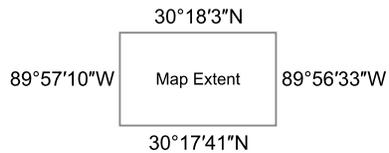
89°57'0"W

89°56'54"W

89°56'48"W

89°56'42"W

89°56'36"W



Geographic Coordinate System (WGS84)

Exhibit 11.6 (day) Present Service Contour Study

WIST.L
 Licensed Operation
 Freq: 690 kHz
 Class: B
 Latitude: 29-57-53 N
 Longitude: 089-57-31 W
 Power: 10 kW
 RMS: 941.47 mV/m @1km
 # Towers: 4
 # Augs: 9

5.0 mV/m
 Total Population: 1,512,946
 Coverage Area: 15,801 sq. km

2.0 mV/m
 Total Population: 2,162,804
 Coverage Area: 33,490 sq. km

0.5 mV/m
 Total Population: 3,695,650
 Coverage Area: 87,712 sq. km

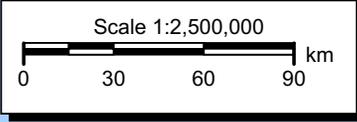
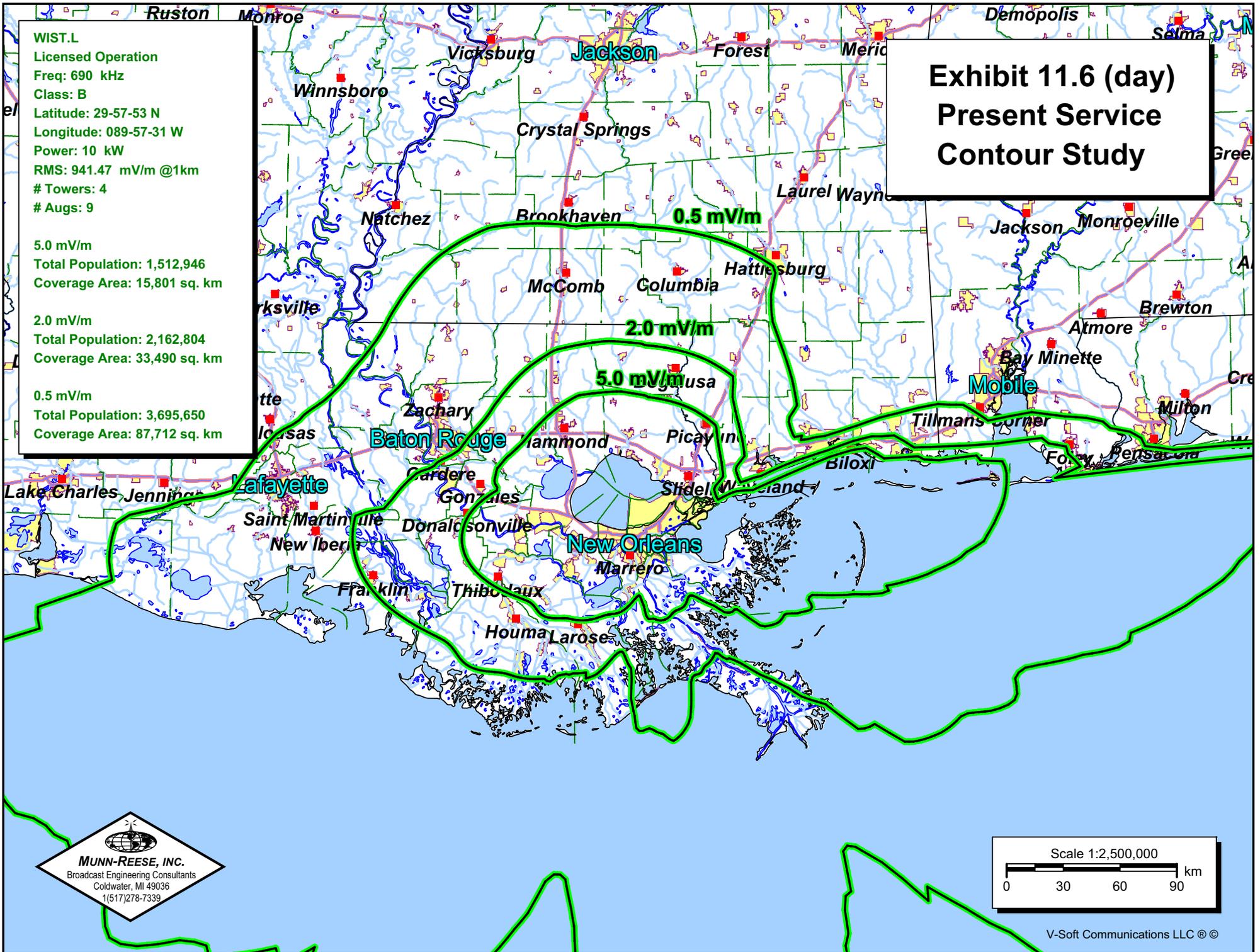


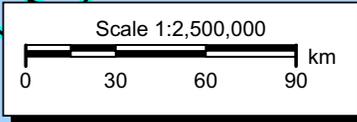
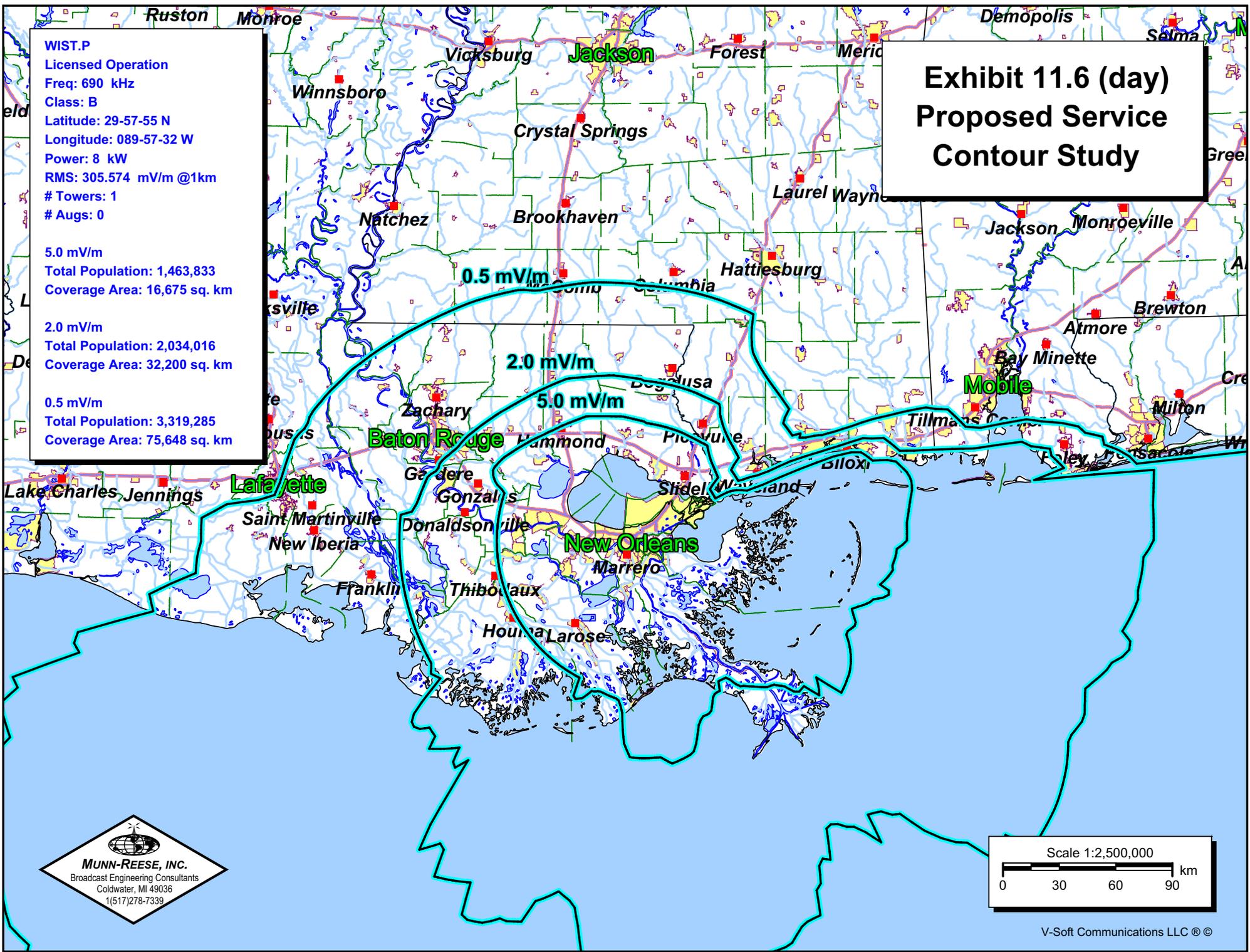
Exhibit 11.6 (day) Proposed Service Contour Study

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



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

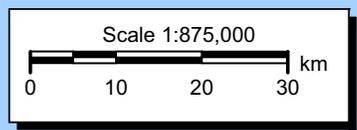
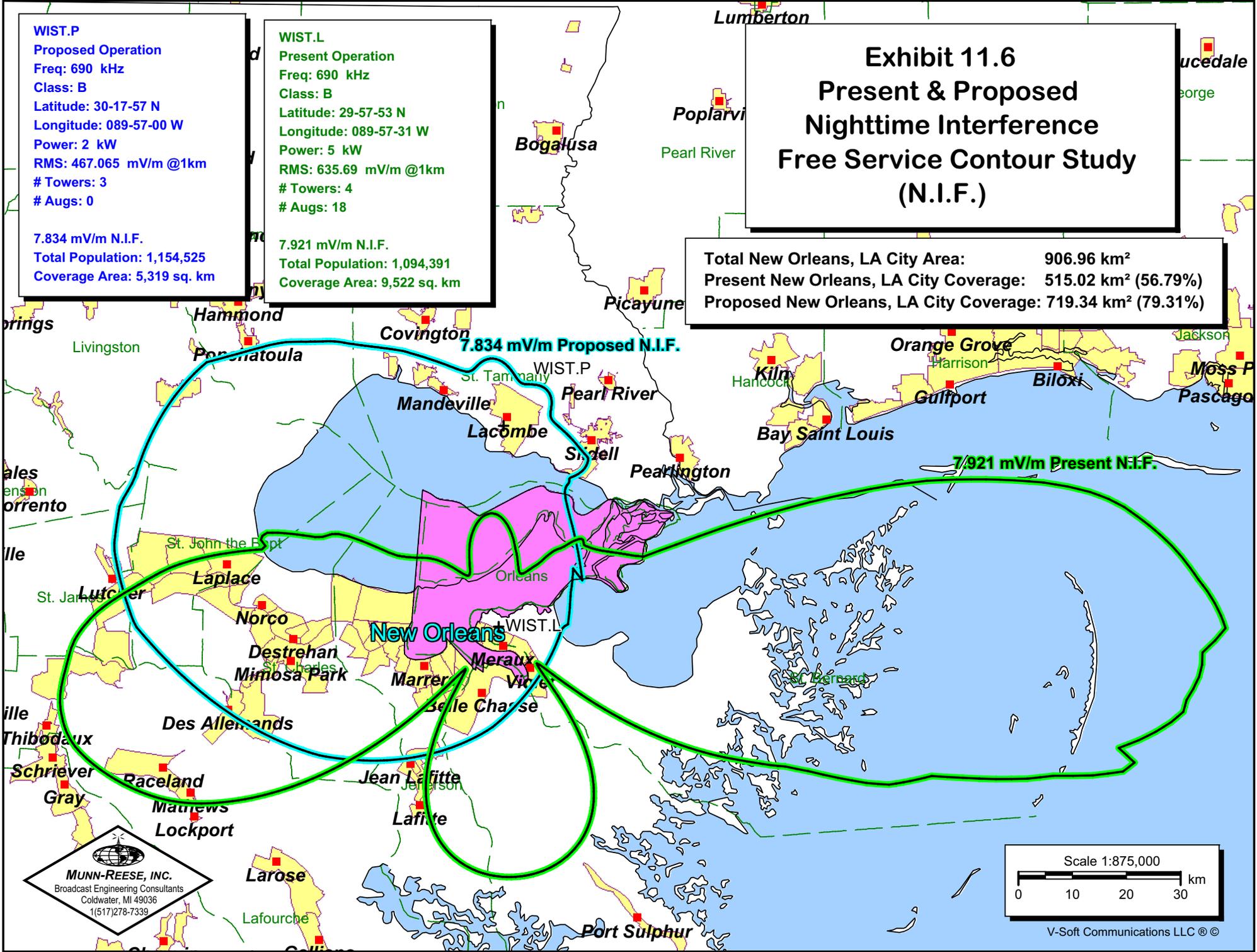
WIST.L
 Present Operation
 Freq: 690 kHz
 Class: B
 Latitude: 29-57-53 N
 Longitude: 089-57-31 W
 Power: 5 kW
 RMS: 635.69 mV/m @1km
 # Towers: 4
 # Augs: 18

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.)

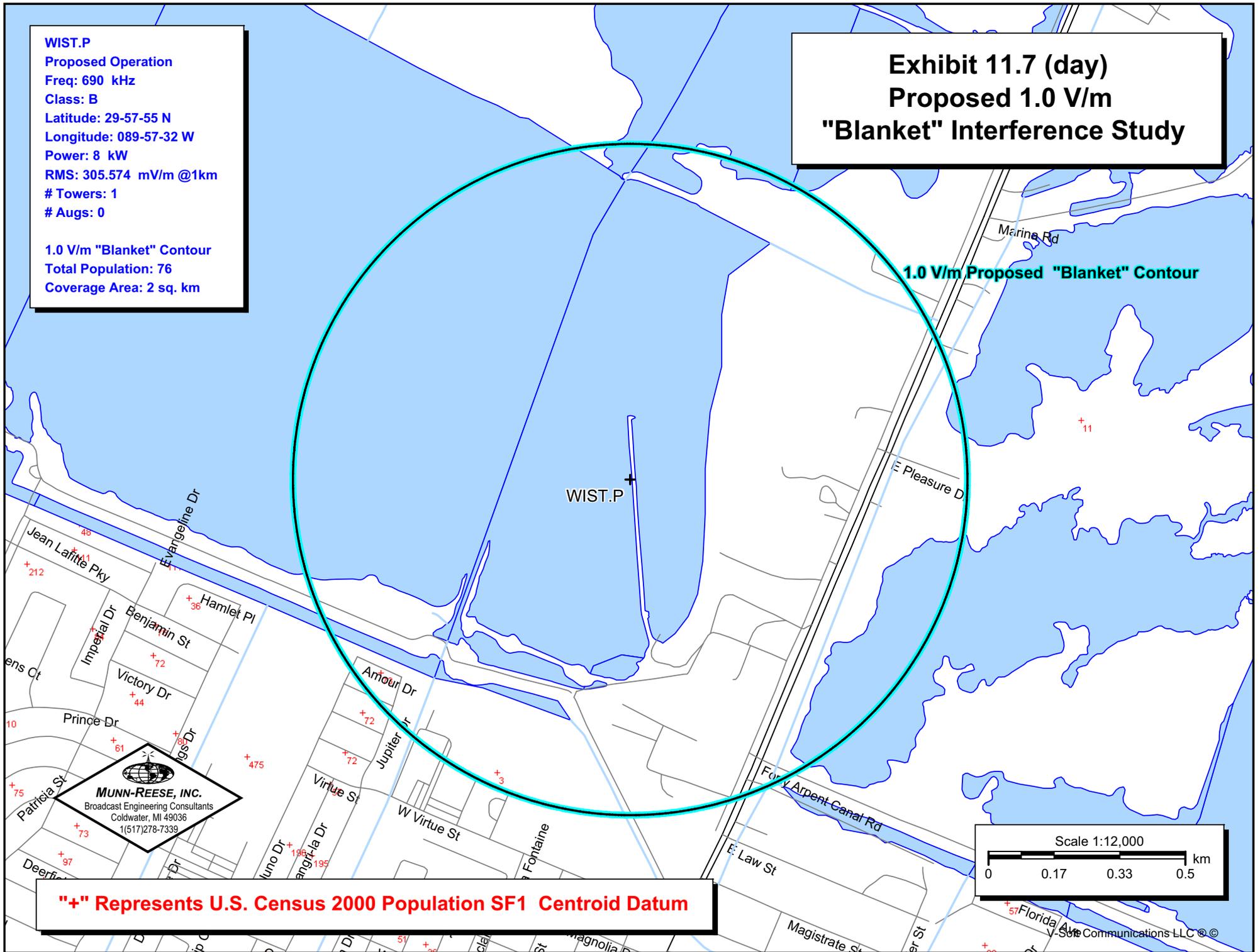
Total New Orleans, LA City Area:	906.96 km ²
Present New Orleans, LA City Coverage:	515.02 km ² (56.79%)
Proposed New Orleans, LA City Coverage:	719.34 km ² (79.31%)



WIST.P
Proposed 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

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

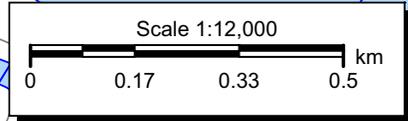
Exhibit 11.7 (day) Proposed 1.0 V/m "Blanket" Interference Study



1.0 V/m Proposed "Blanket" Contour

WIST.P

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

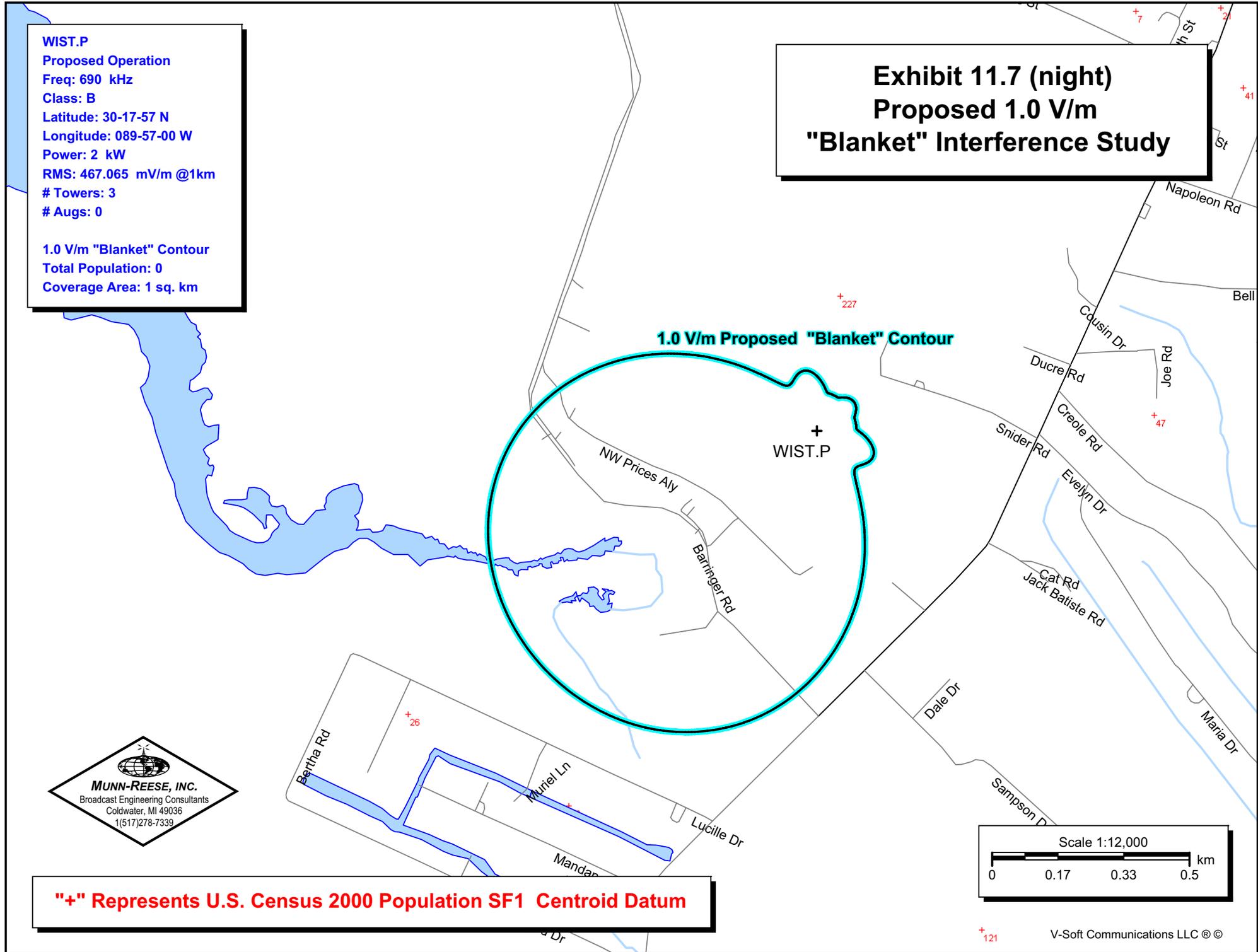


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WIST.P
Proposed Operation
Freq: 690 kHz
Class: B
Latitude: 30-17-57 N
Longitude: 089-57-00 W
Power: 2 kW
RMS: 467.065 mV/m @1km
Towers: 3
Aucs: 0

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



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

