

EXHIBIT 11

ENGINEERING EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
RADIO STATION WAIT  
WILLOW SPRINGS, ILLINOIS

820 KHZ 5 KW-D, 1.5 KW-N, DA-N, U

ENGINEERING EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
WYPA, INC.  
AM BROADCAST STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
FACILITY ID 16849  
820 KHZ 5 KW-D, 1.5 KW-N, DA-N, U

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Engineering Statement

The Engineering Exhibit of which this statement is part, was prepared on behalf of WYPA, Inc., licensee of AM broadcast station WAIT Willow Springs, Illinois.<sup>1</sup> Station WAIT operates on 820 kHz employing power of 5,000 watts, daytime only. The applicant proposes to construct a new transmitting facility to be used during nighttime hours. The proposed operation will allow WAIT to continue utilization of 820 kHz, with power of 1,500 watts employing a directional antenna system. No change in the existing daytime site is proposed.

The Federal Aviation Administration will be notified of the proposed construction, and the towers will be registered after approval. The application complies with the rules of the Federal Communications Commission.

Proposed Nighttime Transmitter Location

The proposed transmitter site is located on the south side of Maple Road near the city of Ridgewood, IL. The geographic coordinates for the site as scaled from a Joliet, ILL. 7-1/2 minute quadrangle map are (NAD 27):

41° 32' 30" North Latitude

88° 02' 03" West Longitude.

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<sup>1</sup> Station WAIT's current principal community is Chicago, Illinois; however there is a pending application to change principal community to Willow Springs, Illinois, File No. BMJP-20041230ACD.

Photographs of the proposed site are shown in Figure 9. As will be noted, there is an existing tower on the proposed transmitter site owned by the Chicago Tower Leasing Corp., which bears registration number 1008722. The tower has an overall height of 152 meters above ground level. This tower will be appropriately detuned at 820 kHz.

#### Directional Antenna System

A total of six towers will be employed for the nighttime directional antenna pattern. As indicated on Figure 3, the radiating elements for the towers are 88.4 meters (290 feet) in height and the towers have an overall height of 90.9 meters (298 feet) above ground level. Figure 2 is a plat of the transmitter site showing the proposed ground system. Specifications for the nighttime directional antenna array are included herein as Figure 4.

The directional antenna pattern was calculated in accordance with the provisions of 47 CFR 73.150 assuming a one-ohm lumped loss resistance at the current loop of each tower in the array. The nighttime standard radiation pattern is shown herein as Figure 5 and is tabulated in Figure 6.

The provisions of 47 CFR 73.24(g) require that the population within the proposed 1,000 mV/m contour not exceed 1 percent of the population within the 25 mV/m ground wave contour or 300 persons. At the proposed location, the 1,000 mV/m contour encompasses 81 persons, thereby complying with the rule.

#### Nighttime Coverage Contour

The nighttime interference free (NIF) 15.5 mV/m contour is shown on Sheet 1 of Figure 7. The NIF results from a single limit from station WBAP Dallas, TX. All of Willow Springs, IL is included within the proposed coverage area. The city limits of Willow Springs were determined from information contained in the 2000 Census TIGER files.

### Nighttime Allocation Study

The results of a nighttime allocation study are contained in the four sheets of Figure 8. The nighttime proposal adequately protects all pertinent stations. The vacant 820 kHz Canadian allotment at Nipigon, ON would receive additional interference from the proposed WAIT proposal; however, through the FCC, the Canadian Government will be requested to substitute another frequency for 820 kHz at Nipigon. The applicant for use of 820 kHz at Escanaba, MI (File No. BNP-20050118AKH) has agreed to an interference reduction agreement as discussed elsewhere in the application. It should be noted that the proposed Escanaba operation would place an interference free signal over 98 percent of Escanaba even with the proposed WAIT nighttime operation. Thus, approximately 7,458 persons in the vicinity of Escanaba would receive new interference from the proposed WAIT nighttime operation, while 579,561 persons would gain new nighttime service from WAIT. WYPA, Inc. submits that the instant application is so meritorious as to permit the Commission to grant it, even if by waiver, which WYPA, Inc. hereby requests to the extent necessary, due to the significant improvement to the provision of AM service to the public overall.

The last two sheets of Figure 8 show skywave protection to Class A station WBAP Dallas, TX (820 kHz) and WCCO Minneapolis, MN (830 kHz).

### Environmental Considerations<sup>2</sup>

The proposed WAIT nighttime operation was evaluated in terms of both the electric and magnetic field components, which will be present at the base of each tower. Using Table 2 of Supplement A to OET Bulletin 65, the worst-case distance at which the electric and magnetic fields would fall below ANSI guidelines is one meter. Accordingly, the areas surrounding the base of each tower will be appropriately restricted with a fence having a minimum radius of one meter, unless data obtained after construction has been completed indicates otherwise. The fence with locked gate will assure that persons on the property outside of the fenced area will not be exposed to radiofrequency field levels in excess of the guideline. In addition, warning signs will be posted.

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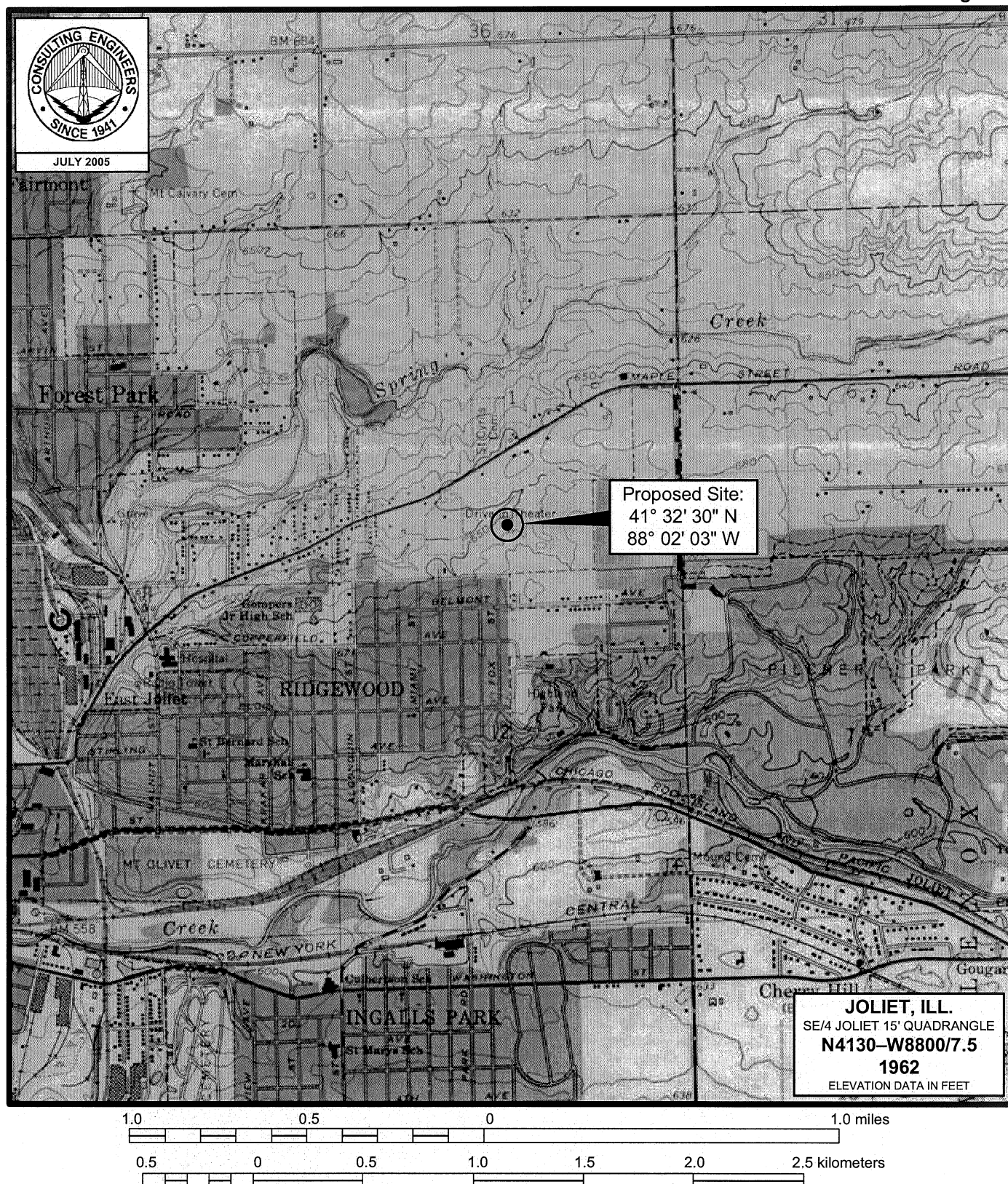
<sup>2</sup> This statement addresses only human exposure to radiofrequency radiation and not to other non-radiofrequency radiation matters listed in the National Environmental Policy Act of 1969.

A handwritten signature in cursive script that reads "Louis R. du Treil".

Louis R. du Treil, Sr.  
du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 34237  
941 329 6000

July 21, 2005

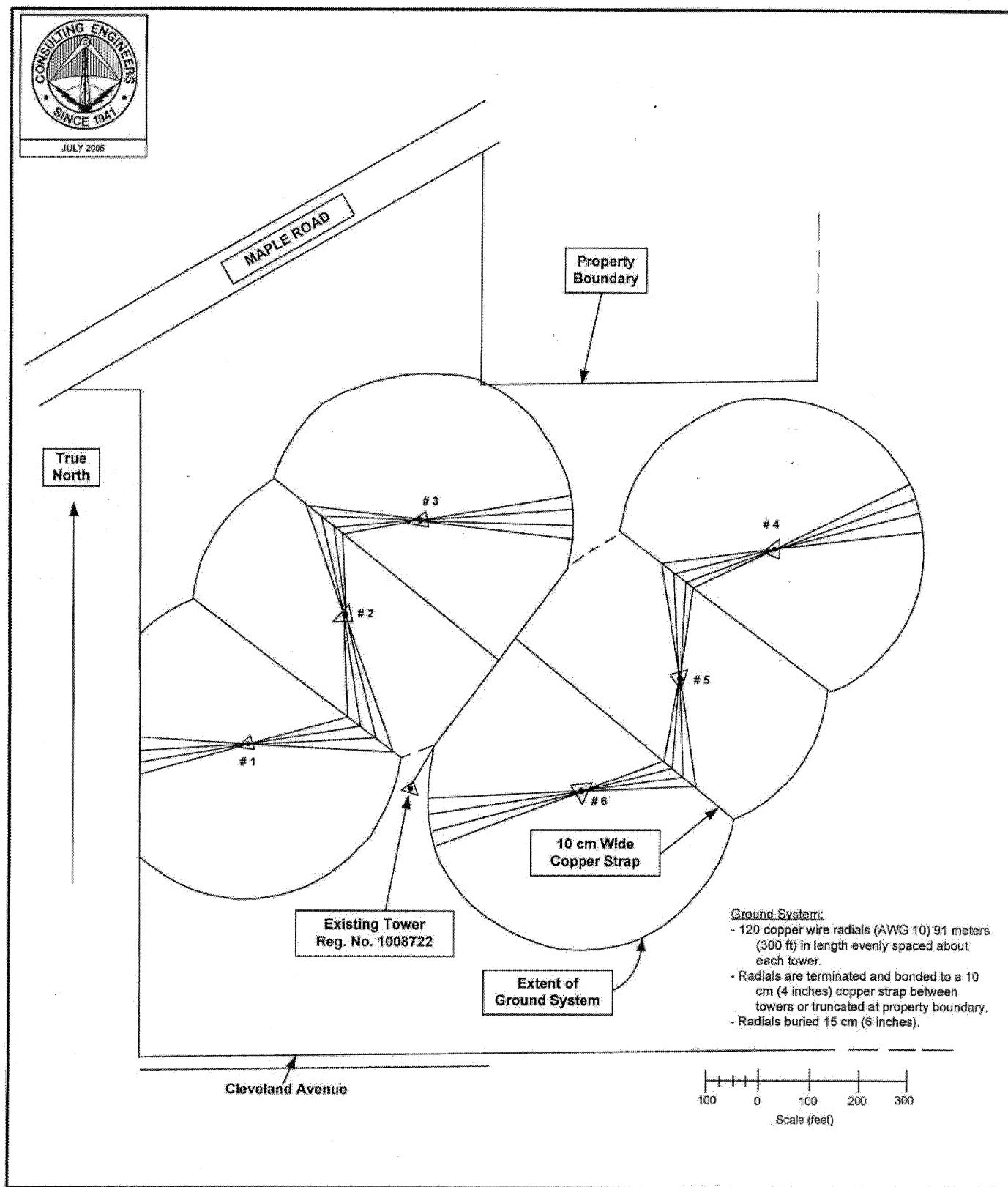
Figure 1



## **PROPOSED TRANSMITTER LOCATION**

AM BROADCAST STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U  
du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



# **PROPERTY PLAT AND ANTENNA GROUND SYSTEM**

AM STATION WAIT

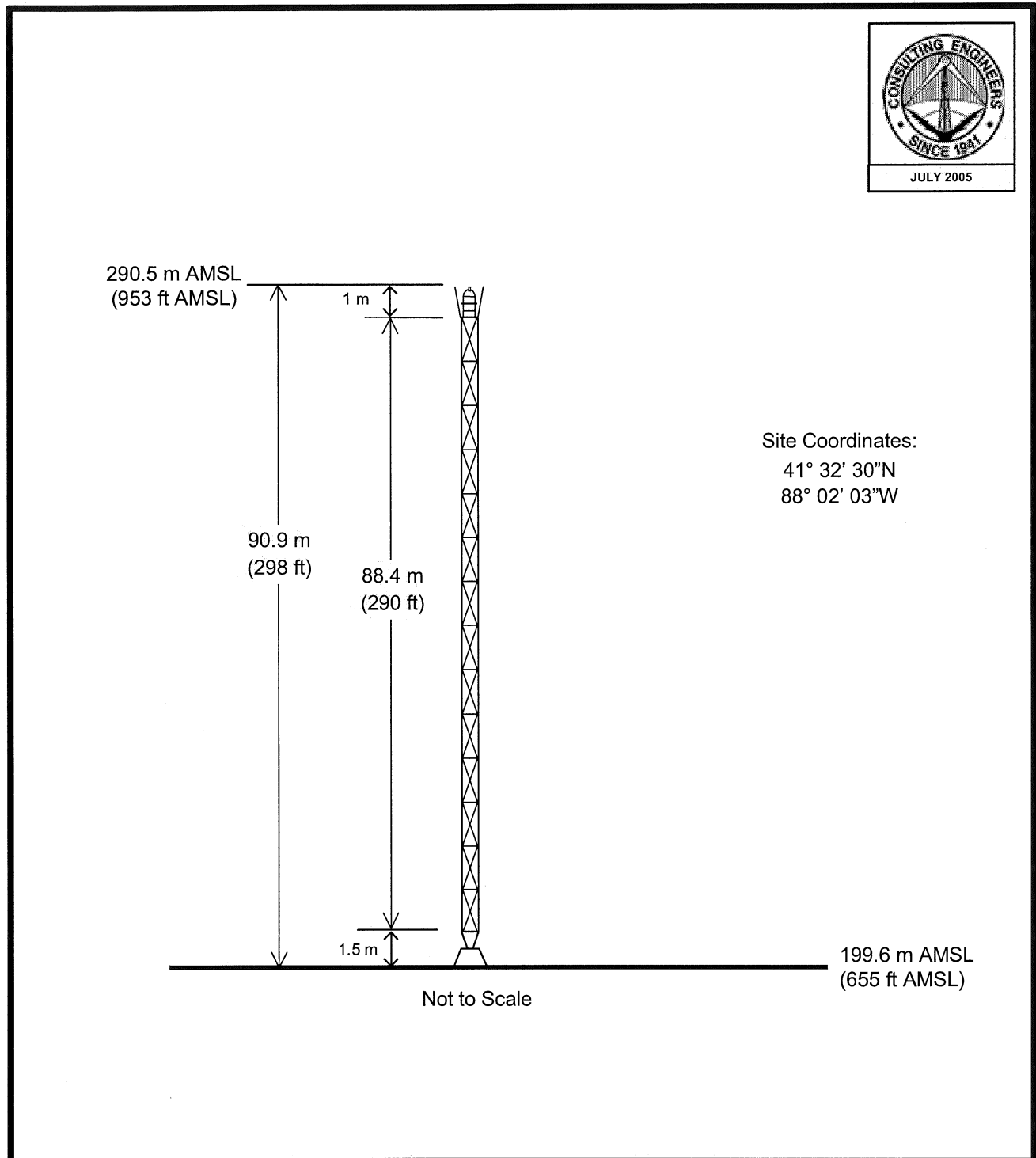
WILLOW SPRINGS, ILLINOIS

820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc., Sarasota, Florida



Figure 3



## **PROPOSED ANTENNA AND SUPPORTING STRUCTURE**

AM BROADCAST STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 4  
Sheet 1 of 2

TECHNICAL EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
RADIO STATION WAIT  
WILLOW SPRINGS, ILLINOIS

820 KHZ 5 KW-D 1.5 KW-N DA-N U

Specifications for Nighttime  
Directional Antenna System

Frequency	820 kHz
Hours of Operation:	Unlimited
Nighttime Power:	1.5 kW
Number of Towers:	6
Type of Tower:	Guyed, Uniform Cross-Section base-insulated
All Towers – height above base insulator	88.4 m (290 ft)
All Towers – overall height	90.9 m (298 ft)

Tower Arrangement:

Tower No.	Spacing (deg/m)	Orientation (deg. True)
1 (SW)	0.0/0.0	0.0
2 (CW)	93.2/94.6	36.9
3 (NW)	164.6/167.2	37.2
4 (NE)	327.4/332.5	70.0
5 (CE)	251.6/255.5	81.0
6 (SE)	198.0/201.1	98.5

Element Field Parameters:

Nighttime:

Tower No.	Field Ratio	Phase (degrees)
1 (SW)	0.418	100.0
2 (CW)	1.060	-2.5
3 (NW)	0.644	-122.9
4 (NE)	0.382	-138.6
5 (CE)	0.783	-32.1
6 (SE)	0.406	80.0

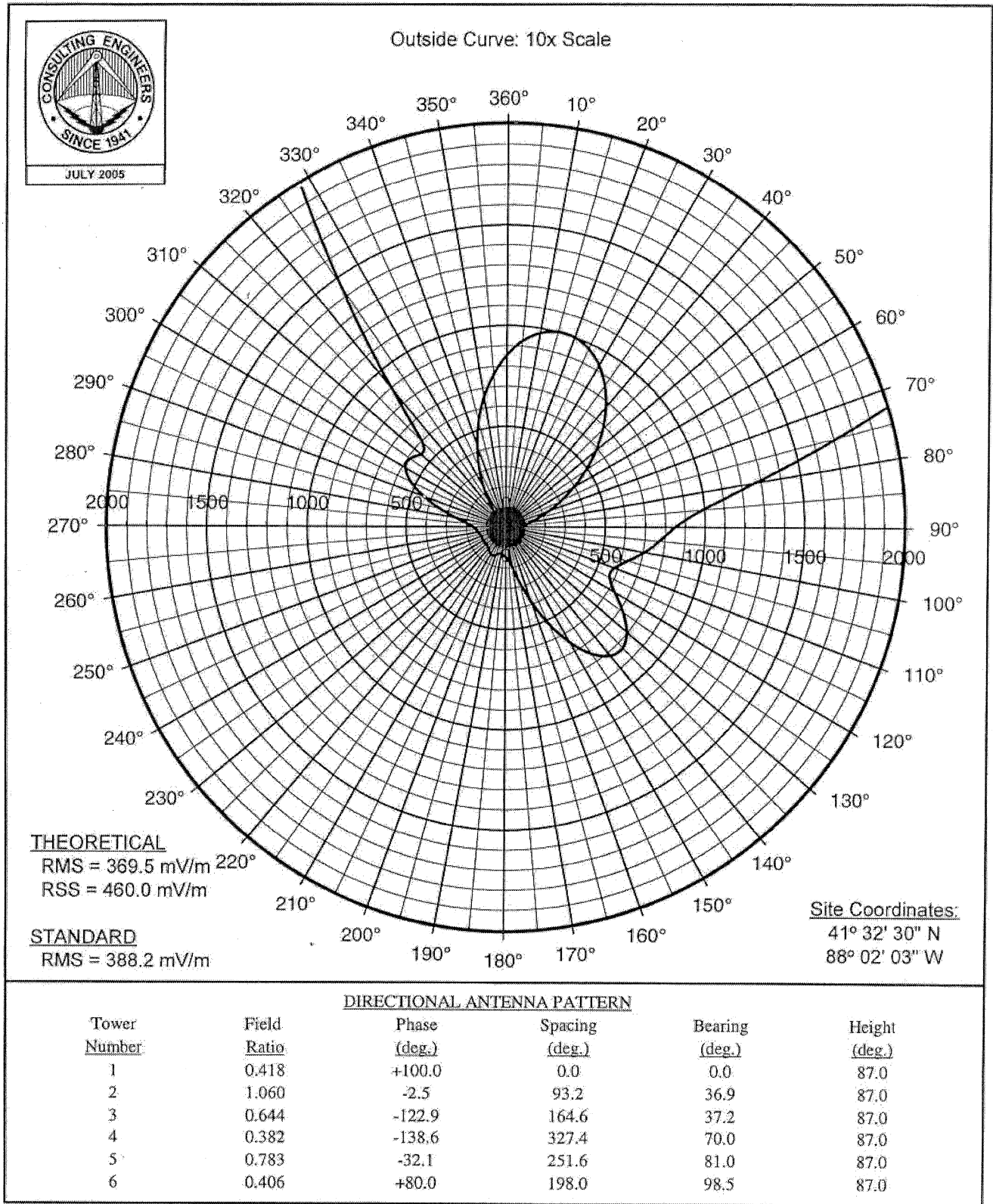
Ground System:

Installed about the base of each tower are 120 evenly spaced, buried copper wire radials (#10 AWG), extending 91 meters (300 ft.) from all towers except where shortened and bonded to transverse copper strap between towers or at property boundaries.

Geographic Coordinates of  
Center of Antenna Array:

41° 32' 30" North Latitude  
88° 02' 03" West Longitude

Figure 5



## PROPOSED NIGHTTIME HORIZONTAL PLANE STANDARD RADIATION PATTERN

RADIO STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

TECHNICAL EXHIBIT  
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RADIO STATION WAIT  
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820 KHZ 5 KW-D, 1.5 KW-N, DA-N, U

NIGHTTIME RADIATION PATTERN

(Radiation Values at One Kilometer)

<u>Tower Number</u>	<u>Field Ratio</u>	<u>Phase (deg.)</u>	<u>Spacing (deg.)</u>	<u>Bearing (deg.)</u>	<u>Height (deg.)</u>
1	0.418	+100.0	0.0	0.0	87.0
2	1.060	-2.5	93.2	36.9	87.0
3	0.644	-122.9	164.6	37.2	87.0
4	0.382	-138.6	327.4	70.0	87.0
5	0.783	-32.1	251.6	81.0	87.0
6	0.406	+80.0	198.0	98.5	87.0
<u>Input Power (kW)</u>	<u>Loop Loss (ohms)</u>	<u>Theo. RMS (mV/m)</u>	<u>Theo. RSS (mV/m)</u>	<u>Q Factor (mV/m)</u>	<u>Standard RMS (mV/m)</u>
1.5	1.0	369.5	460.0	12.2	388.2

Standard Radiation Pattern  
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees						
	0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
0	853	847	830	802	764	718	664
5	926	920	900	869	827	775	714
10	976	969	949	916	871	815	751
15	1001	994	974	940	894	838	772
20	1000	993	973	941	897	842	778
25	974	968	950	920	879	828	767
30	925	920	904	878	842	797	742
35	858	853	841	820	790	752	705
40	776	772	763	748	725	695	658
45	684	682	676	666	651	630	603
50	586	586	584	580	572	561	543
55	489	489	491	492	492	489	481
60	395	396	401	407	414	419	420
65	308	311	318	328	341	353	362
70	233	236	245	258	275	293	309
75	172	175	184	199	219	240	261
80	127	129	138	152	173	197	221
85	98.9	100	106	118	138	162	189
90	84.7	85.0	87.5	96.0	113	137	163
95	77.1	76.5	76.6	82.1	96.5	119	145
100	70.5	69.7	69.2	73.6	86.7	108	132
105	63.4	63.0	63.6	69.0	82.1	102	124
110	57.9	58.4	61.0	68.4	81.8	100	120
115	57.5	58.8	63.2	71.8	84.8	101	118
120	63.1	64.7	69.7	78.1	89.6	103	117
125	71.8	73.3	77.7	84.9	94.3	105	116
130	79.5	80.7	84.1	89.7	96.9	105	113
135	83.3	84.2	86.8	90.8	96.1	102	108
140	82.0	82.7	84.5	87.5	91.3	95.6	100
145	75.6	76.0	77.4	79.7	82.6	86.0	89.7
150	64.9	65.3	66.5	68.4	70.9	73.9	77.3
155	51.9	52.3	53.3	55.1	57.4	60.4	63.9
160	38.7	39.0	40.0	41.6	43.8	46.8	50.4
165	27.5	27.7	28.5	29.8	31.7	34.5	38.0
170	20.0		20.4	21.2	22.5	24.5	27.6
175	16.3		16.3	16.4	16.8	17.8	19.8

Standard Radiation Pattern  
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees						
	35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
0	603	538	471	403	335	271	210
5	647	576	501	427	354	284	219
10	680	604	525	446	369	295	227
15	699	621	541	459	379	303	232
20	706	629	548	466	386	308	237
25	699	625	547	467	388	311	239
30	680	612	539	463	386	311	240
35	651	590	523	453	380	308	239
40	613	560	502	438	371	303	236
45	568	525	475	419	359	295	232
50	518	486	446	398	344	286	227
55	467	445	414	375	328	276	220
60	416	403	381	350	311	264	213
65	366	362	349	326	293	252	206
70	320	324	318	302	275	240	198
75	278	288	289	279	258	227	190
80	242	257	263	258	241	215	181
85	212	230	239	238	226	204	173
90	188	208	219	221	211	192	165
95	170	190	202	205	198	182	157
100	156	175	188	192	186	171	149
105	146	164	176	179	175	162	141
110	139	155	165	169	164	152	134
115	135	148	156	159	154	144	127
120	131	141	148	149	145	135	120
125	126	134	139	139	135	126	113
130	121	127	130	130	126	118	106
135	114	118	120	120	116	109	98.9
140	104	108	110	109	107	101	92.2
145	93.3	96.3	98.2	98.7	97.0	92.8	85.6
150	80.8	84.0	86.5	87.7	87.3	84.6	79.1
155	67.6	71.2	74.5	76.9	77.8	76.7	72.9
160	54.4	58.7	62.8	66.3	68.6	69.0	67.0
165	42.2	46.9	51.8	56.3	59.9	61.8	61.3
170	31.6	36.4	41.8	47.1	51.8	55.1	56.1
175	23.1	27.6	33.1	39.0	44.5	48.9	51.2

Standard Radiation Pattern  
(at One Kilometer)

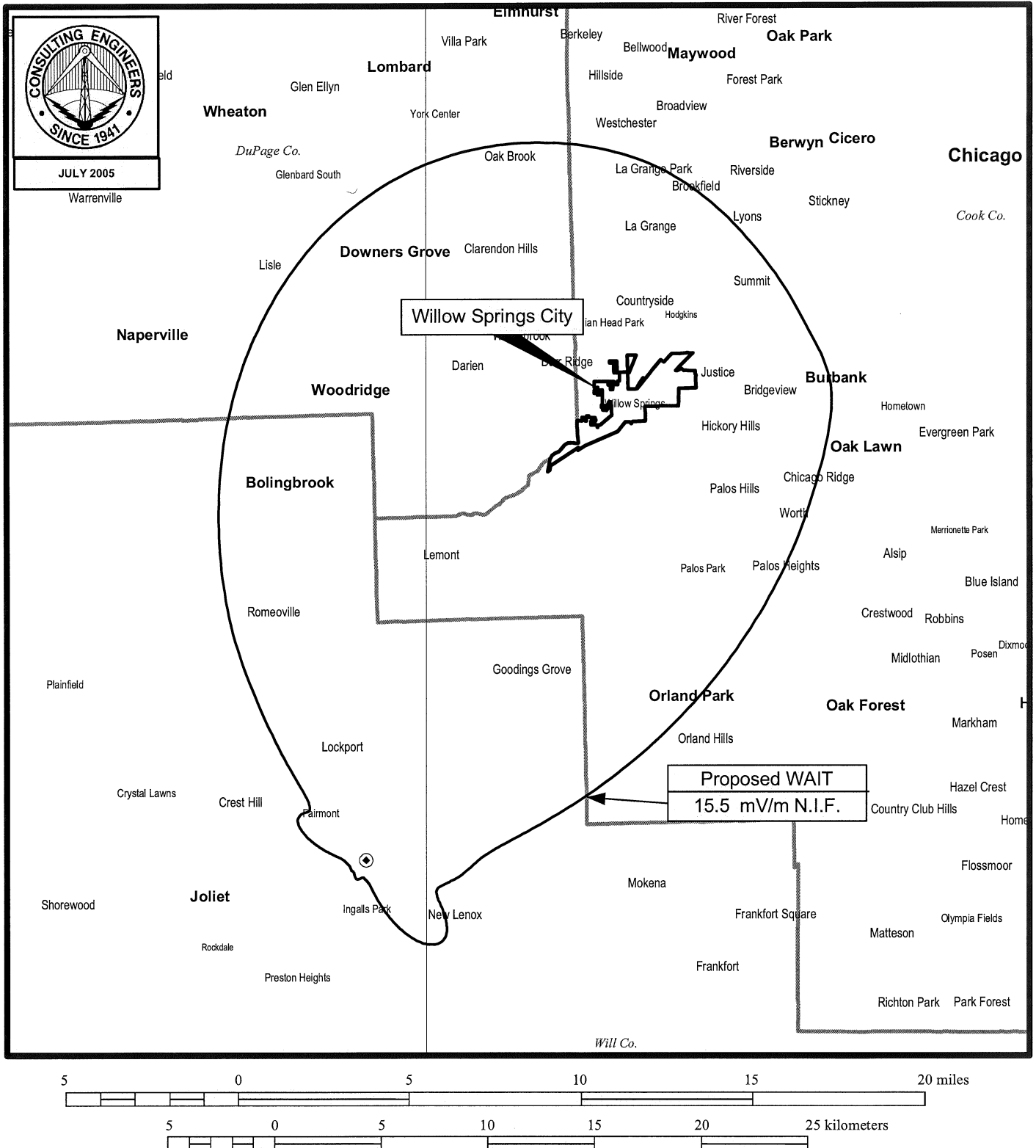
Azimuth Angle (deg)	Elevation Angle in Degrees						
	0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
180	14.7	14.7	14.6	14.4	14.2	14.2	15.0
185	13.6	13.6	13.5	13.3	13.1	12.7	12.5
190	13.1	13.0	12.8	12.6	12.4	12.0	11.5
195	13.5	13.3	12.9	12.4	11.9	11.5	11.0
200	14.5	14.2	13.5	12.6	11.8	11.3	10.8
205	15.3	15.0	14.1	13.0	12.0	11.2	10.6
210	15.3	15.0	14.2	13.1	12.1	11.2	10.6
215	14.6	14.4	13.7	12.9	12.0	11.2	10.5
220	13.6	13.5	13.1	12.6	11.9	11.2	10.5
225	13.1	13.0	12.7	12.3	11.8	11.2	10.5
230	13.0	12.9	12.7	12.3	11.8	11.2	10.6
235	13.2	13.1	12.8	12.3	11.8	11.2	10.6
240	13.2	13.1	12.8	12.3	11.8	11.3	10.8
245	13.0	12.9	12.7	12.3	11.9	11.5	11.2
250	13.1	13.0	12.8	12.6	12.3	12.1	11.9
255	13.5	13.5	13.4	13.2	13.0	12.9	12.8
260	14.3	14.2	14.1	14.0	13.9	13.9	14.0
265	15.1	15.1	15.1	15.0	15.0	15.0	15.2
270	16.4	16.4	16.4	16.4	16.4	16.4	16.6
275	19.5	19.5	19.4	19.2	18.9	18.5	18.4
280	25.5	25.3	24.8	24.0	22.8	21.6	20.8
285	34.1	33.7	32.5	30.6	28.1	25.5	23.7
290	43.8	43.1	41.1	37.8	33.7	29.6	26.9
295	52.6	51.6	48.6	43.9	38.4	33.2	30.5
300	58.0	56.7	53.0	47.4	41.1	36.3	35.7
305	58.5	57.1	53.2	47.9	43.0	41.4	45.1
310	55.5	54.5	52.0	49.6	49.6	53.9	62.3
315	59.8	59.9	61.0	64.0	69.9	78.8	89.6
320	89.0	90.1	93.8	100	108	118	128
325	146	147	151	156	163	171	178
330	224	225	227	230	234	236	237
335	320	319	319	318	316	312	305
340	427	426	422	416	407	395	379
345	541	538	531	520	503	482	455
350	654	650	640	622	598	567	531
355	760	755	741	718	687	647	601



Standard Radiation Pattern  
(at One Kilometer)

Azimuth Angle (deg)	Elevation Angle in Degrees						
	35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)	65 (mV/m)
180	17.0	20.8	25.9	32.0	38.1	43.4	46.8
185	13.3	15.8	20.3	26.2	32.6	38.6	42.9
190	11.4	12.6	16.1	21.5	28.0	34.4	39.4
195	10.5	10.7	13.1	18.0	24.3	30.9	36.5
200	10.1	9.8	11.2	15.3	21.4	28.1	34.0
205	9.9	9.4	10.1	13.5	19.2	25.9	32.0
210	9.8	9.2	9.5	12.4	17.7	24.2	30.5
215	9.8	9.1	9.3	11.8	16.7	23.1	29.4
220	9.8	9.1	9.3	11.5	16.2	22.4	28.7
225	9.8	9.2	9.5	11.7	16.2	22.2	28.3
230	9.9	9.5	9.9	12.1	16.5	22.3	28.4
235	10.1	9.8	10.5	12.9	17.2	22.9	28.8
240	10.4	10.5	11.4	13.9	18.2	23.8	29.6
245	11.1	11.3	12.5	15.2	19.5	25.0	30.7
250	11.9	12.5	13.9	16.8	21.2	26.7	32.2
255	13.1	13.8	15.5	18.6	23.2	28.7	34.0
260	14.3	15.3	17.3	20.7	25.5	31.1	36.3
265	15.7	16.9	19.3	23.2	28.3	34.0	39.0
270	17.2	18.7	21.6	26.1	31.7	37.5	42.3
275	19.0	20.8	24.5	29.7	35.8	41.7	46.0
280	21.1	23.5	28.0	34.1	40.7	46.6	50.4
285	23.9	27.0	32.7	39.7	46.7	52.4	55.5
290	27.4	31.8	38.9	46.9	54.1	59.4	61.4
295	32.5	38.9	47.4	56.1	63.2	67.5	68.1
300	40.6	49.2	58.9	67.7	74.1	77.0	75.6
305	53.5	63.9	74.1	82.3	87.2	88.0	84.1
310	73.1	84.2	93.6	100	103	100	93.5
315	101	111	118	121	120	114	104
320	137	144	147	146	141	130	115
325	182	184	181	174	163	147	127
330	235	230	220	206	187	164	139
335	295	280	262	239	212	183	151
340	359	334	306	274	239	202	164
345	424	389	350	308	265	221	177
350	489	443	394	342	290	239	189
355	550	494	435	374	314	255	200

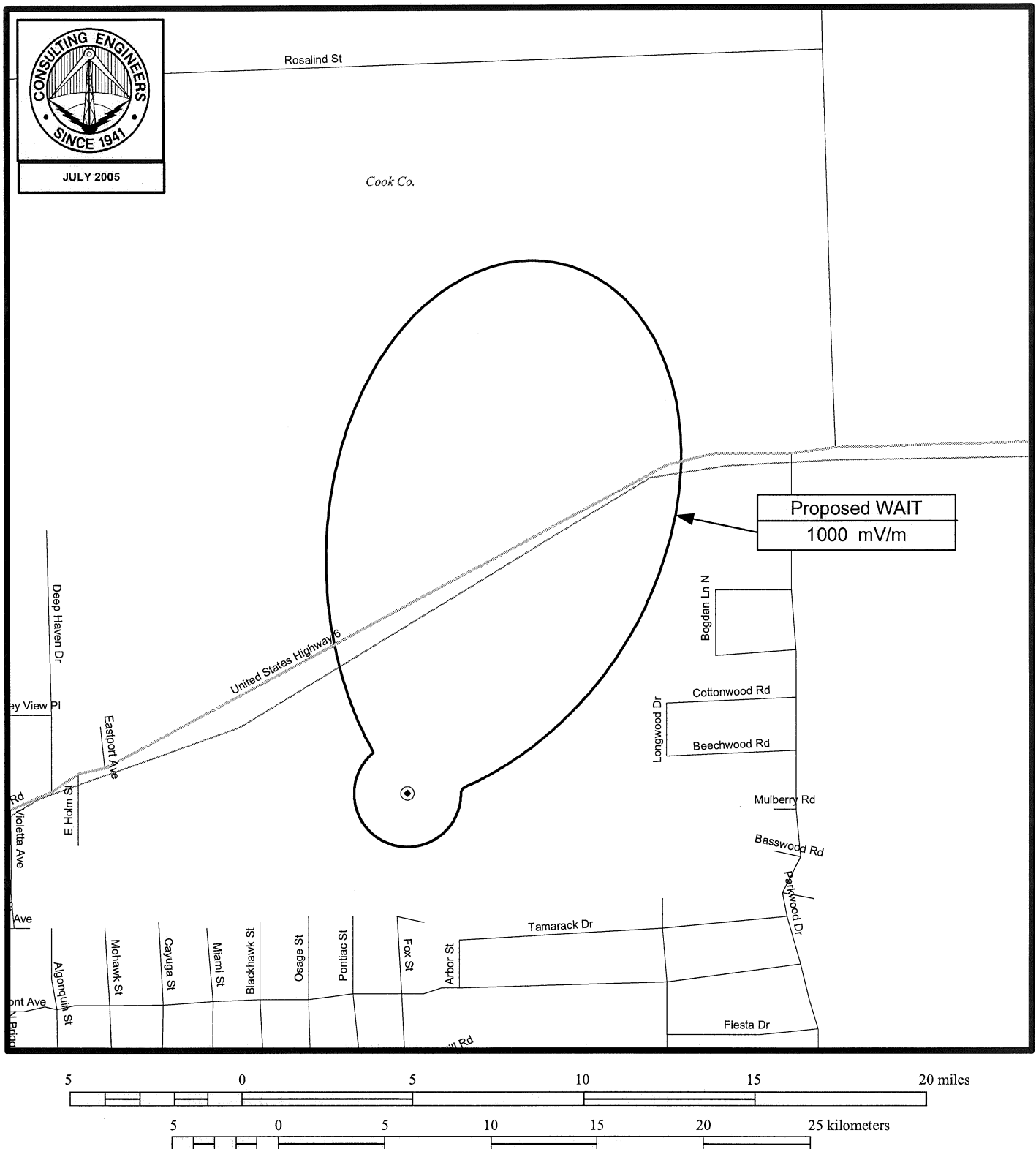
Figure 7  
Sheet 1 of 2



## PROPOSED NIGHTTIME COVERAGE CONTOUR

AM STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida



## PROPOSED NIGHTTIME COVERAGE CONTOUR

AM STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

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## Night Allocation Protection Report

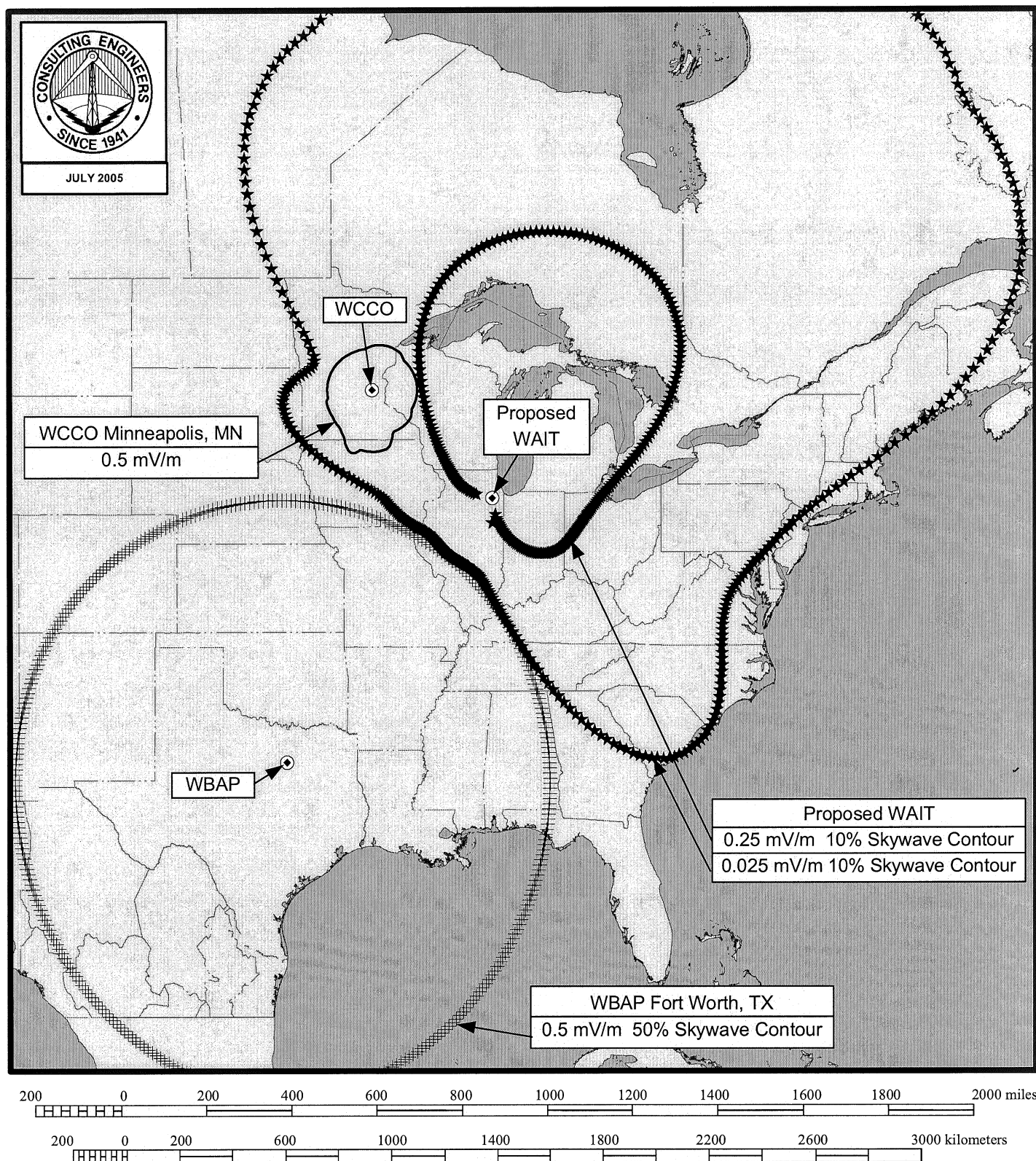
Call: WAIT  
 Freq: 820 kHz  
 Lat: 41-32-30 N  
 Lng: 088-02-03 W  
 Power: 1.5 kW  
 Theo RMS: 369.49 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swrch	TL Swrch	A (deg)	B (deg)	C (deg)	D (deg)
1	0.418	100.0	0.0	0.0	87.0	0	0	0.0	0.0	0.0	0.0
2	1.060	-2.5	93.2	36.9	87.0	0	0	0.0	0.0	0.0	0.0
3	0.644	-122.9	164.6	37.2	87.0	0	0	0.0	0.0	0.0	0.0
4	0.382	-138.6	327.4	70.0	87.0	0	0	0.0	0.0	0.0	0.0
5	0.783	-32.1	251.6	81.0	87.0	0	0	0.0	0.0	0.0	0.0
6	0.406	80.0	198.0	98.5	87.0	0	0	0.0	0.0	0.0	0.0

Call Letters	Ct	St	City	SWFF (100uV/m)	Req Prot (mV/m)	Permis (mV/m)	Cur Rad (mV/m)	Margin (mV/m)
NEW	US	MI	ESCANABA	110.41	3.15	142.49	891.56	-749.07
NEW/A	CA	ON	NIPIGON	83.65	9.48	566.80	802.11	-235.32
WBAP (40)	US	TX	FORT WORTH	217.21	0.50	11.51S	11.05	0.46
WOSU	US	OH	COLUMBUS	123.68	2.98	120.56	106.17	14.38
WCCO (80)	US	MN	MINNEAPOLIS	99.79	0.50	250.54G	221.25	29.28
CHAM/B	CA	ON	HAMILTON	99.24	6.72	338.39	219.51	118.88
WXTR	US	MD	FREDERICK	42.23	3.18	376.41	68.68	307.73
WWLZ	US	NY	HORSEHEADS	39.31	3.46	440.20	128.49	311.70
WGGM	US	VA	CHESTER	37.01	3.08	416.52	63.13	353.40
NEW	US	NC	TOWN CREEK	29.90	3.46	578.69	83.66	495.04
NEW	US	NC	LELAND	30.27	3.57	589.00	82.91	506.10
NEW	US	NC	MASONBORO	29.65	3.64	614.27	82.43	531.84
NEW	US	NC	MASONBORO	29.72	3.66	616.15	82.26	533.89
WGY (280)	US	NY	SCHENECTADY	33.23	0.50	752.25G	171.32	580.93
WNYC	US	NY	NEW YORK	26.63	4.01	751.87	87.37	664.50
NEW/	CA	QC	DRUMMONDVILLE	35.96	7.31	1016.46	329.45	687.01
UNK-B (320)	SC		CONAREE	2.67	0.50	936.61S	81.88	854.74
WMGG	US	FL	LARGO	19.99	3.65	912.24	36.86	875.38
WDDD	US	IL	JOHNSTON CITY	143.00	2.77	967.73	12.45	955.28
KCBF (135)	US	AK	FAIRBANKS	0.48	0.10	1032.53S	73.38	959.15
NEW/A	CA	SK	PRINCE ALBERT	13.51	2.90	1072.88	90.84	982.04
WHB	US	MO	KANSAS CITY	84.69	2.10	1240.55	12.62	1227.93
NEW/	CA	NS	SYDNEY	7.22	2.37	1641.70	268.54	1373.16
KUTR	US	UT	TAYLORSVILLE	9.82	2.83	1439.11	18.82	1420.29
KUTR	US	UT	TAYLORSVILLE	9.82	2.83	1439.16	18.82	1420.35
KGW	US	WA	BURIEN-SEATTLE	3.37	1.13	1673.16	53.12	1620.04
TGTO-B (5)	GT		INTERNACIONA	1.52	0.50	1643.61S	13.55	1630.06
NEW/	CA	NS	HALIFAX	10.40	3.82	1835.94	202.50	1633.44
WCKS	US	AL	JACKSONVILLE	50.91	2.84	2792.44	26.97	2765.47
NEW	US	MN	WILTON	41.49	2.41	2908.20	120.20	2788.00
WTRU	US	NC	KERNERSVILLE	46.92	3.01	3204.53	85.89	3118.64
CMIB-D	CU		CIEGO DE AVI	2.66	1.85	3479.22	50.68	3428.54
CMBU-D	CU		C HABANA	3.52	2.71	3851.05	29.67	3821.37
WEEU	US	PA	READING	35.47	2.87	4052.01	82.02	3969.99
WFGM	US	GA	SANDY SPRINGS	49.07	3.98	4059.37	47.48	4011.89
WCRN	US	MA	WORCESTER	19.64	1.66	4229.04	123.34	4105.70

Figure 8  
Sheet 2 of 4

WCRN	US MA WORCESTER	19.64	1.66	4229.04	123.34	4105.70
CMJB-D	CU STGO DE CUBA	1.93	1.67	4345.91	63.57	4282.34
NEW	US GA DUNWOODY	48.63	4.22	4334.11	45.73	4288.38
KGO (105)	US CA SAN FRANCISCO	5.67	0.50	4407.73G	16.31	4391.42
XEVMS/O	MX BN MEXICALI	4.97	4.68	4706.52	13.76	4692.77
XEVMS/O	MX BN MEXICALI	4.97	4.68	4706.52	13.76	4692.77
XEESC/O	MX CM FRANCISCO ESCAR	5.29	5.04	4767.78	13.38	4754.40
WFNO	US LA NORCO	28.12	2.71	4821.00	13.03	4807.96
NEW	US GA SUWANEE	48.66	4.98	5116.15	51.42	5064.73
WSJC	US MS MAGEE	37.03	3.92	5293.81	13.11	5280.70
XEZQ1/O	MX TB CUNDUACAN	4.78	5.11	5341.12	13.11	5328.01
CMNB-D	CU MANZANILLO	2.09	2.29	5473.46	56.85	5416.61
KLDC	US CO BRIGHTON	19.61	2.19	5586.54	15.79	5570.75
KLDC	US CO BRIGHTON	19.61	2.19	5586.73	15.79	5570.94
KLDC	US CO BRIGHTON	19.61	2.19	5586.73	15.79	5570.94
XEYN/O	MX OA OAXACA	4.06	4.62	5680.24	14.40	5665.84
WEUS	US FL ORLOVISTA	20.44	2.38	5824.73	50.49	5774.24
WEUS	US FL ORLOVISTA	20.40	2.38	5842.49	51.20	5791.29
WEUS	US FL ORLOVISTA	20.40	2.38	5842.49	51.20	5791.29
NEW	US SC CHARLESTON	30.24	3.89	6437.28	82.01	6355.26
XENVA2/O	MX SO SONOITA	6.05	7.74	6396.63	13.18	6383.45
XEKG/O	MX VC FORTIN DE LAS F	4.82	6.98	7238.28	14.77	7223.51
NEW	US FL BUNNELL	22.28	3.53	7929.38	56.26	7873.12
XENVA2/O	MX SO AGUA PRIETA	7.68	12.96	8433.00	13.01	8419.99
HRLP 16-B	HO TEGUCIGALPA	1.37	2.33	8496.33	15.17	8481.16
XEPK1/O	MX HG PACHUCA	5.15	8.84	8581.13	15.38	8565.74
XEBA/O	MX JA GUADALAJARA	4.52	7.93	8759.81	14.31	8745.50
XEBA/O	MX JA GUADALAJARA	4.52	7.93	8759.81	14.31	8745.50
WACC	US FL HIALEAH	15.00	2.66	8877.03	49.67	8827.36
KFLT	US AZ TUCSON	9.55	1.69	8846.88	13.13	8833.76
XEUDO/O	MX SI LOS MOCHIS	5.10	9.29	9112.38	13.15	9099.23
WKVM	US PR SAN JUAN	5.49	1.02	9295.47	83.18	9212.29
NEW	US GA UNION CITY	45.97	8.69	9450.91	40.80	9410.11
HJED-A (305)	CO CALI 12	0.66	1.25	9515.92S	30.64	9485.29
WSH-A (330)	VE UPATA	0.64	1.25	9741.61S	82.94	9658.67
NEW	US FL ORANGE PARK	24.70	4.80	9716.11	54.19	9661.92
KSJL	US TX SOMERSET	18.51	3.59	9687.34	13.98	9673.36
XENVA2/O	MX CH CAJONCITOS	11.03	21.70	9831.81	13.19	9818.62
HIAZ-C	DR SANTIAGO 7	3.93	8.12	10336.18	81.11	10255.07
NEW	US FL HILLIARD	26.67	5.52	10352.21	55.68	10296.54
NEW	US FL HILLIARD	26.71	5.54	10368.38	55.72	10312.66
XENVA2/O	MX CH OJINAGA	10.59	22.65	10689.43	13.12	10676.31
XEDRD2/O	MX DU DURANGO	5.80	12.52	10783.87	13.20	10770.67
XENVA2/O	MX CI ALTARES	10.76	23.68	11005.99	13.01	10992.98
KNCO	US CA GRASS VALLEY	5.02	1.13	11235.01	20.17	11214.84
XESB/O	MX CH SANTA BARBARA	6.94	15.74	11333.62	13.04	11320.58
KXOI	US TX CRANE	17.14	4.55	13261.36	13.12	13248.24
UNK	US ME LORRING	9.42	3.20	16968.54	353.58	16614.96
TIGC-A	CS S JOSE 8	0.98	3.34	17026.43	17.69	17008.75
4VRD-B	HA LES CAYES	1.51	5.27	17444.47	69.38	17375.08
KMXE	US CA ORANGE	6.34	2.89	22775.03	14.51	22760.51
NEW	US ME BANGOR	12.11	6.73	27776.11	229.86	27546.25
HCRF4-A	EC CANAL MANABI	0.51	6.11	60104.58	21.36	60083.23
HCFB1-A	EC MONUMENTAL	0.52	7.28	69781.38	24.27	69757.11
HCCR1-A	EC OTAVALO	0.53	7.72	72714.39	26.97	72687.42
NEW	US OR MEDFORD	4.15	6.64	79970.78	31.18	79939.60
NEW	US OR GRANTS PASS	4.00	6.42	80267.69	31.90	80235.79
NEW	US AK KNIK-FAIRVIEW	0.28	0.73	129984.04	92.29	129891.75

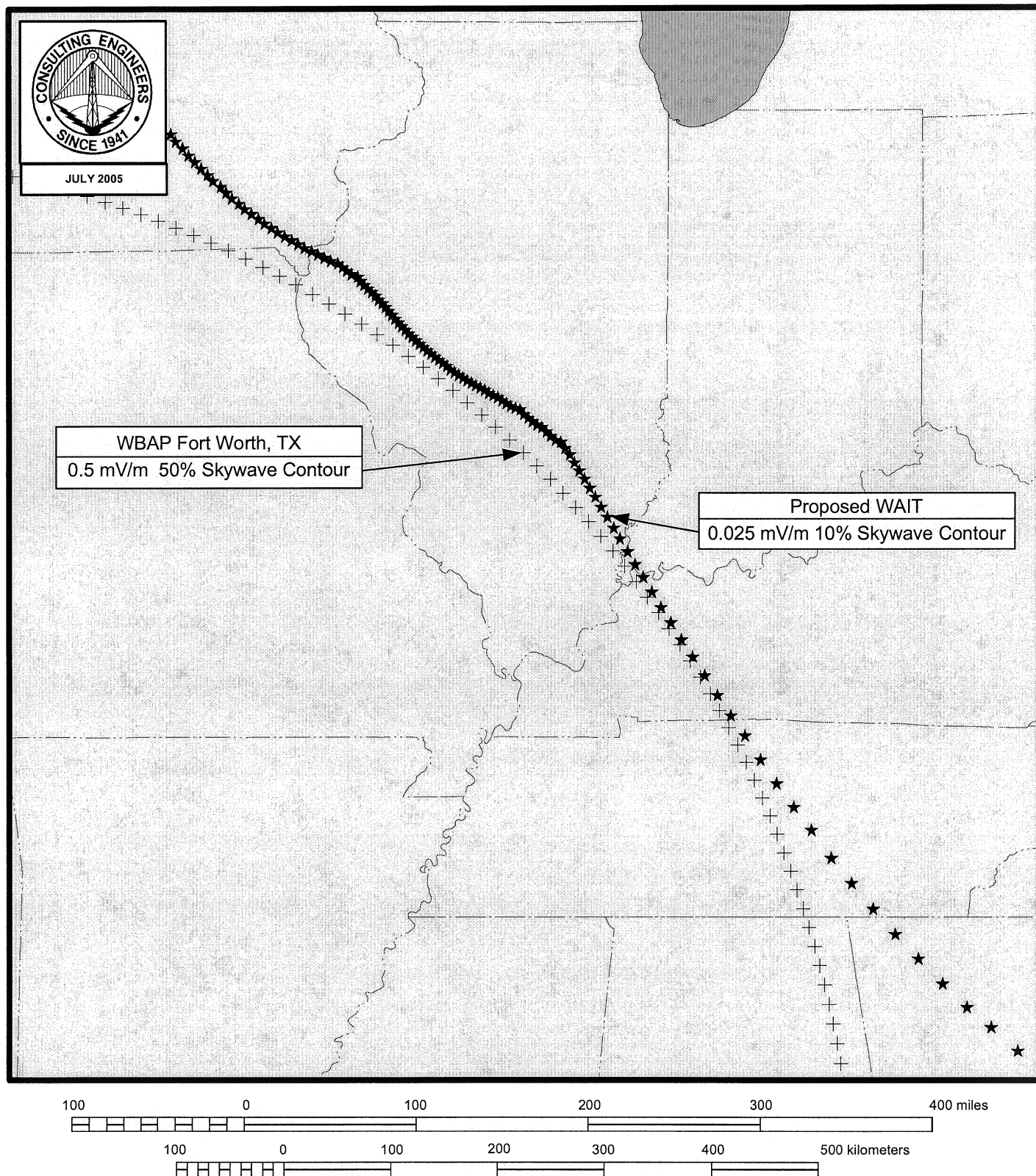


## NIGHTTIME ALLOCATION STUDY

AM STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

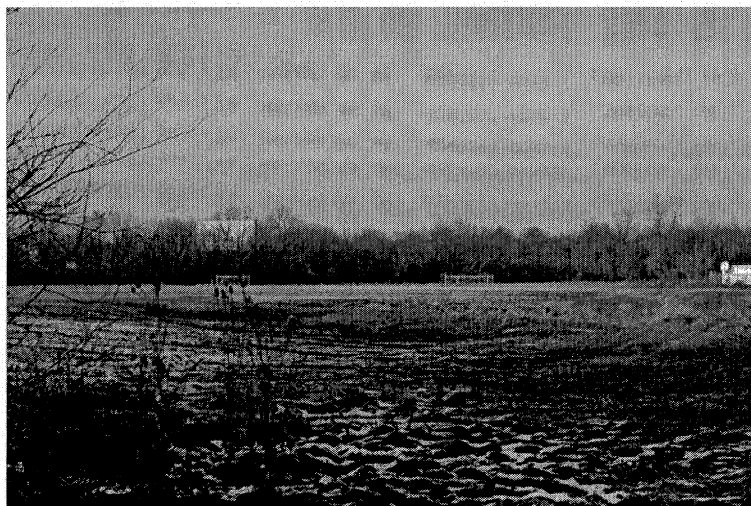
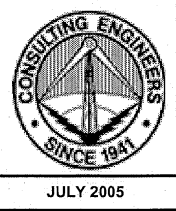




## **NIGHTTIME ALLOCATION STUDY**

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WILLOW SPRINGS, ILLINOIS  
820 KHz 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida



## **SITE PHOTOGRAPHS**

AM BROADCAST STATION WAIT  
WILLOW SPRINGS, ILLINOIS  
820 KHZ 5 KW-D 1.5 KW-N DA-N U

du Treil, Lundin & Rackley, Inc. Sarasota, Florida



WYPA, Inc., the licensee of WAIT, has entered into a mutual interference agreement with Lyle Robert Evans in connection with his tendered application for a new AM radio station to serve Escanaba, Michigan on 820 kHz (File No. BNP-20050118AKH), co-channel to the proposed nighttime service sought in the instant application for a minor change for WAIT. As shown in the attached engineering statement, if both of the Evans and WAIT applications are granted, a tiny amount of interference would be received by the station proposed by Mr. Evans.

As the discussion of the WAIT nighttime allocation study makes plain (Engineering Narrative, p. 3), the predicted interference to Escanaba would be *de minimis*, affecting 7,458 persons and leaving the proposed Escanaba station able to serve more than 98% of the market interference-free. On the other hand, the WAIT nighttime proposal would bring a new service to 579,561 persons, or 77 times the number of persons that might receive interference. Obviously, the applications on balance represent a public interest gain for the AM radio service overall.

Mr. Evans and WYPA, Inc. obviously agree because attached here is a copy of their mutual agreement that the predicted interference is trivial and that both applications should be processed and granted by the Commission. The parties also represent that there has been no exchange of monetary consideration between them.

## ATTACHMENT A

### INTERFERENCE AGREEMENT

Pursuant to the Agreement ("Agreement") entered into July 7, 2005, between Lyle Robert Evans ("Evans"), the applicant for authority to construct and operate a new AM radio station transmitting on 820 kHz, to serve Escanaba, Michigan (FCC File No. BNP-20050118AKH) ("Escanaba Application") and WYPA, Inc., licensee of AM radio station, WAIT, Chicago, Illinois ("WAIT"), the applicant for authority to construct and operate facilities to permit WAIT to transmit on 820 kHz for nighttime service ("WAIT Application") (individually each is a "Party" and collectively the "Parties"), Evans and WAIT submit the following to the Federal Communications Commission ("FCC") as amendments or other submissions to their pending applications.

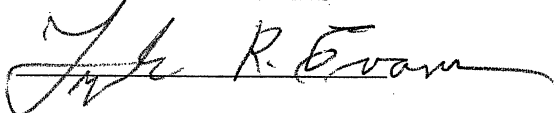
Evans and WAIT understand that their respective applications would cause interference to the Escanaba operation during their proposed nighttime operations on 820 kHz. However, based upon the engineering statement of Louis R. du Treil, Sr., of du Treil, Lundin & Rackley, Inc. ("Statement"), a copy of which is attached hereto, Evans has agreed to accept the proposed interference because such interference would be extremely minor and that effectuation of both of the Escanaba Application and the WAIT Application would promote the public interest in an improved AM service.

As the Statement establishes, the proposed nighttime operation of WAIT would cause minor interference to the proposed nighttime operation of Evans, affecting approximately 7,458 persons in the vicinity of Escanaba. However, Evans would be able to provide interference-free service to approximately 100 percent of Escanaba, Evans' proposed community of license. On the other hand, the proposed WAIT nighttime operation would provide a new service to approximately 579,561 persons. Thus, the persons gaining new nighttime service from WAIT would be more than 77 times the number of persons predicted to experience interference. Therefore, grant of both of the Escanaba Application and the WAIT Application would be in the public interest because such action would improve the AM service overall substantially.

On this basis, Evans and WAIT hereby agree to accept interference on 820 kHz related to their proposed nighttime service and that there is no monetary consideration between them.

AGREED:

LYLE ROBERT EVANS

A handwritten signature in dark ink, appearing to read "Lyle R. Evans", written over a horizontal line.

WYPA, INC.

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AGREED:

LYLE ROBERT EVANS

WYPA, INC.



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