

ENGINEERING REPORT

**Minor Change Application for
WVLP-LP - Valparaiso, IN
BNPL-20000602ACG**

April 2002

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

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DISCUSSION OF REPORT

This firm has been retained to prepare the required Engineering Report in support of a minor change application for WVLP-LP, Valparaiso, IN. WVLP-LP holds a granted construction permit to operate on Channel 252L1, 98.3 MHz.

This application proposes to relocate WVLP-LP to the site identified by NAD 27 coordinates 41° 28' 05" NL, 87° 03' 14" WL. The antenna will be mounted on the roof of an existing building. A copy of the vertical antenna plan has been included as **Exhibit 1.0**. The site data and elevations have been taken from the 7.5 minute topographical mapping as supplied in **Exhibit 2.0**.

The proposed antenna location meets all of the spacing requirements for operation as a Class LP100 facility as set forth in §73.807. A tabulation of the existing and required spacing toward the other relevant stations in the allocation is found in **Exhibit 3.0**. Inspection of **Exhibit 3.0** will show WVLP-LP to be in compliance with §73.807. The proposed site is 1.21 km in distance from the present granted WVLP-LP site.

The proposed service contour has been calculated in accordance with the Rules, and the data obtained has been tabulated and plotted in this report. The plotted service contour is found in **Exhibit 4.0** of this report. This exhibit shows the overall service that is provided by the 1.0 mV/m contour (60 dBu) of the facility. The tabulation of the distance to the contour shown in this discussion is based on the use of the standard eight cardinal bearings, which were also used for the computation of the HAAT. However, the plotted contour shown in **Exhibit 4.0** is based on a full set of 360 terrain radials. The 1.0 mV/m (60 dBu) service contour covers an area of 112.78 km², 39,344 persons reside in the service area.

The FM Broadcast facility proposed in this application will not result in human exposure to radiofrequency radiation in excess of the applicable safety standards specified in OET Bulletin 65 and companion Worksheet 3. Copies of Worksheet 3 and the General Environmental Worksheet 2 will be supplied upon request. Full compliance is afforded by this proposal.

The remainder of the information in this report is responsive to the Rules of the Commission, and provides the supporting data for the certifications required by FCC Form 318.

DISTANCES TO CONTOUR: The table below shows the distance to the 1.0 mV/m contour from the proposed facility using an ERP of 0.1 kW at an HAAT of 30 meters. Distances have been calculated based on the FCC F(50-50) curves.

Munn-Reese, Inc. - Coldwater, MI 49036						
N. Lat. = 41 28 05 W. Lng. = 87 03 14						
HAAT and Distance to Contour - FCC Method - 03 Arc Sec.						
Azi.	AV EL	HAAT	kW	dBk	Field	60 .5
000	223.2	30.8	.1000	-10.00	1.000	5.71
045	247.9	6.1	.1000	-10.00	1.000	5.64
090	232.8	21.2	.1000	-10.00	1.000	5.64
135	218.4	35.6	.1000	-10.00	1.000	6.09
180	212.1	41.9	.1000	-10.00	1.000	6.60
225	226.2	27.8	.1000	-10.00	1.000	5.64
270	218.3	35.7	.1000	-10.00	1.000	6.10
315	209.9	44.1	.1000	-10.00	1.000	6.78
Ave El= 223.59 M HAAT= 30.41 M AMSL= 254 M						

EXHIBIT 1.0

VERTICAL PLAN OF ANTENNA SYSTEM

Site Location

The site is located at 505 Lincolnway, Valparaiso, IN

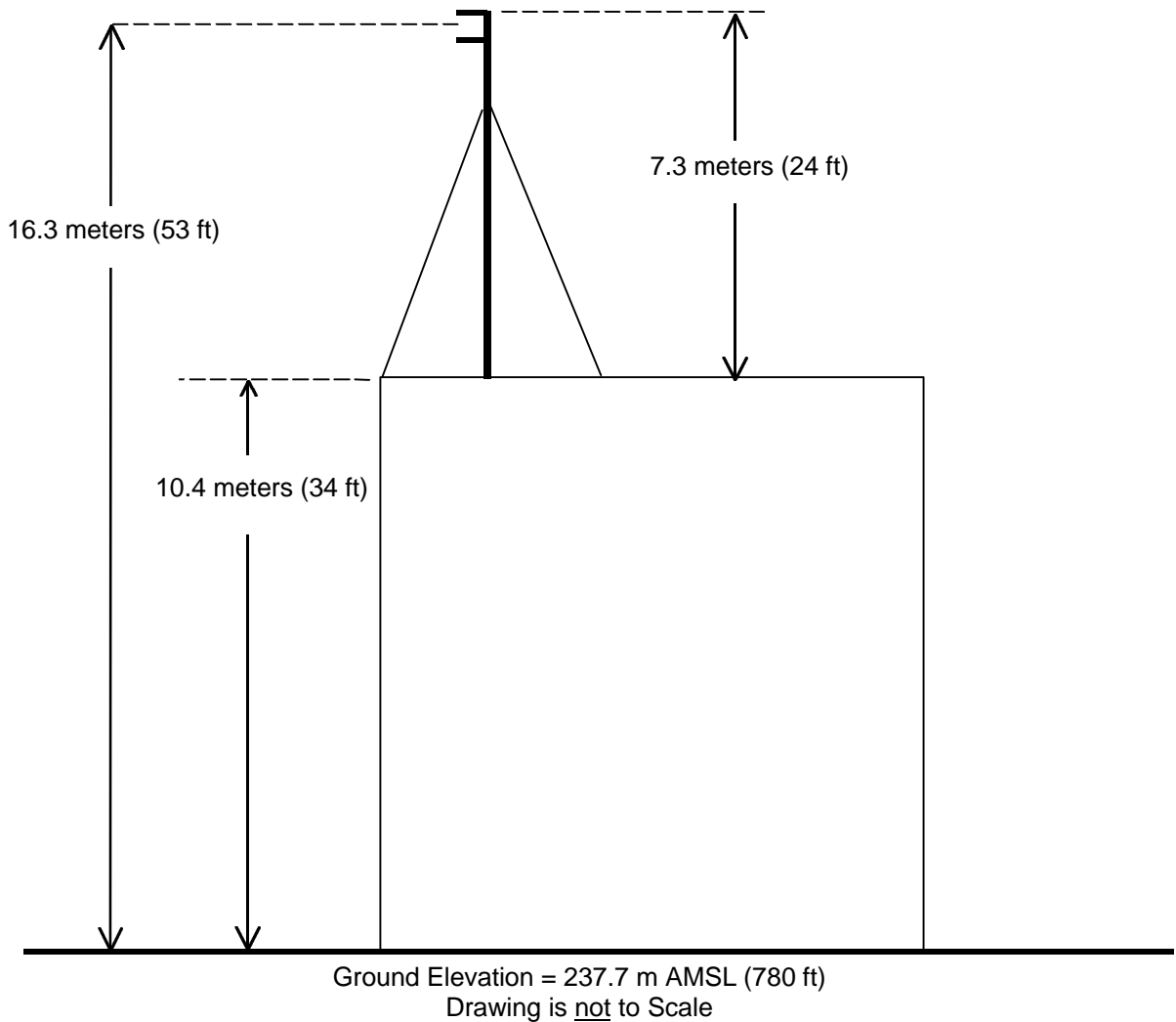
NL: 41° 28' 05"

WL: 87° 03' 14"

Proposed WVLP-LP Antenna COR

254 m AMSL

30 m HAAT



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OR

VALPARAISO QUADRANGLE
INDIANA-PORTER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

887 11 5W
WESTVILLE

Exhibit 2.0
Topographical Map Showing Site

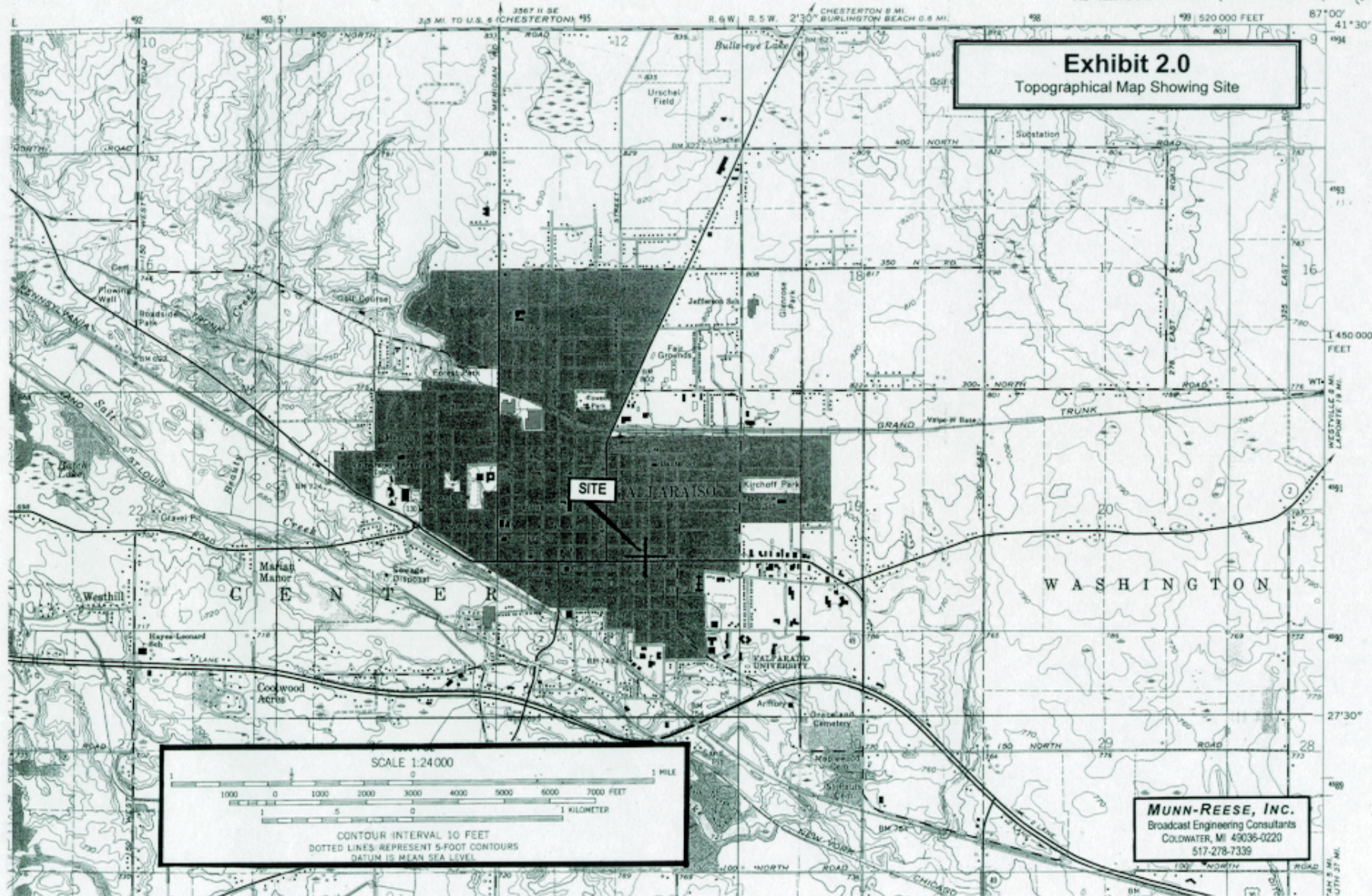


EXHIBIT 3.0

VERTICAL PLAN OF ANTENNA SYSTEM

REFERENCE					DISPLAY DATES			
41 28 05 N					CLASS = L1			DATA 04-06-02
87 03 14 W					Current Spacings			SEARCH 04-11-02
----- Channel 252 - 98.3 MHz -----								
Call	Channel	Location	Power	Dist	Azi	FCC	Margin	
N. Lat.	W. Lng.			HAAT				

WVLP-L CP	252L1	Valparaiso	IN	1.21	150.2	23.5	-22.29	
41 27 31	87 02 48		0.000 kW	19 M				
		Neighbors, Corp.	BNPL20000602ACG					
ALLO VAC	252A	Culver	IN	59.71	117.6	66.5	-6.79	
41 13 04	86 25 21		6.000 kW	100 M				
		Canadian border area						
RADD ADD	252A	Culver	IN	59.74	117.5	66.5	-6.76	
41 13 06	86 25 18		6.000 kW	100 M				
5/10/00:		Accepted by Canada on 14 April 2000 as a Class A facility.						
WFMT LIC	254B	Chicago	IL	66.55	313.6	66.5	0.05	
41 52 44	87 38 08	C	6.000 kW	470 M				
Window To The World Commun		BLH20010515AAK						
WFMT.C CP	254B	Chicago	IL	66.58	313.6	66.5	0.08	
41 52 44	87 38 10	CX	6.000 kW	451 M				
Window To The World Commun		BXP20000303ACJ						
WLUPFM CP	250B	Chicago	IL	67.35	315.6	66.5	0.85	
41 53 56	87 37 23	CX	4.000 kW	425 M				
Bonneville Holding Company		BPH20000614ABP						
WLUPFM LIC	250B	Chicago	IL	67.35	315.6	66.5	0.85	
41 53 56	87 37 23	CN	6.000 kW	357 M				
Bonneville Holding Company		BMLH19891106KC						
971024 APP	252D	Kingsbury	IN	30.68	78.1	25.5	5.18	
41 31 28	86 41 39	VN	0.038 kW	63 M				
Family Stations, Inc.		BPFT19971024TF						
Translator for WJCH, Joliet, IL.- Vertical Polarization Only								
WLQI LIC	249A	Rensselaer	IN	55.87	188.5	28.5	27.37	
40 58 14	87 09 10	CN	3.300 kW	91 M				
Brothers Broadcasting Corp		BMLH19900111KD						
WCCQ LIC	252A	Crest Hill	IL	94.54	268.2	66.5	28.04	
41 26 09	88 11 04	C	3.000 kW	143 M				
Three Eagles Of Joliet, In		BLH20000301ABY						
WIBN LIC	251B1	Earl Park	IN	104.95	198.7	73.5	31.45	
40 34 22	87 27 12	CN	25.000 kW	100 M				
Brothers Broadcasting Corp		BLH19910524KD						
WCSYFM LIC	252A	South Haven	MI	113.99	35.4	66.5	47.49	
42 18 02	86 15 03	CN	1.900 kW	123 M				
Wsjm Inc		BLH19920828KA						
WSBL-L CP	251L1	South Bend	IN	68.50	70.2	13.5	55.00	
41 40 24	86 16 46		0.000 kW	13 M				
League Of United Latin Ame		BNPL20000605AHM						
AP252 APP	252L1	Mishawaka	IN	82.39	72.8	23.5	58.89	
41 40 56	86 06 29		0.000 kW	0 M				
Jeffrey A. Hewitt		BNPL20000608ACY						

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WVLP-LP

Latitude: 41-28-05 N
Longitude: 087-03-14 W
Power: 0.10 kW
Channel: 252
Frequency: 98.3 MHz
AMSL Height: 252.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

**Exhibit 4.0
Proposed Service Contour**

Porter

Valparaiso

WVLP-L

F(50-50) 60.0 dBu

Munn-Reese, Inc.

Scale 1:100,000

0 1 2 3 km

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