

CHURCH OF THE MADALENE

Proposed bell ring schedule

Weekly Events:

Every day: At noon and 6 pm every day, ring for two minutes (Angelus)

Every Sunday: At 8am and 10am, ring for one minute (before Mass)

Every Saturday: At 5:30pm, ring for one minute (before Mass)

Yearly Events:

Thursday before Easter: 8pm, ring for two minutes (Maundy Thursday)

Saturday before Easter: 9pm, ring for two minutes (Easter Vigil)

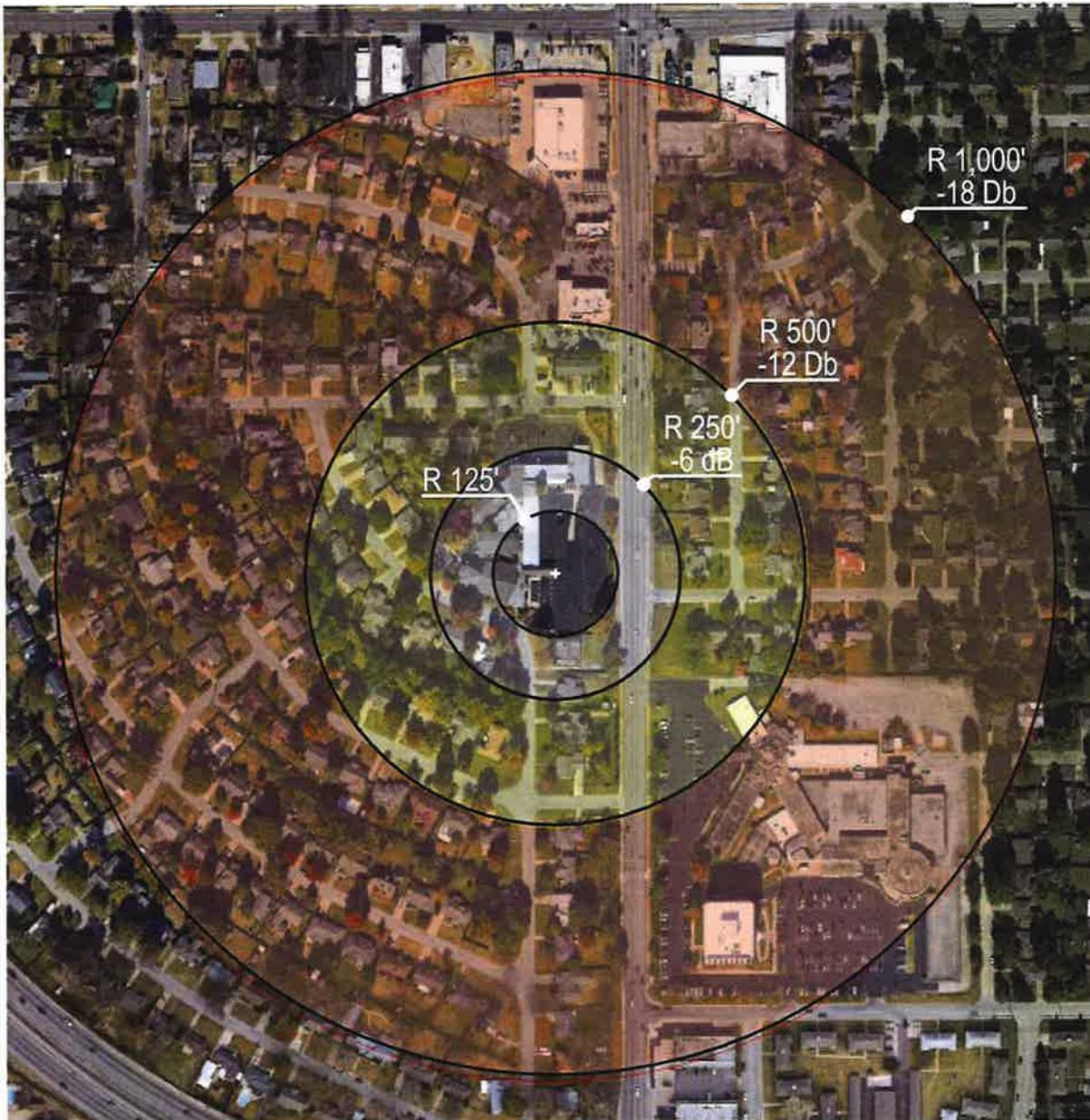
Christmas: Midnight, ring for one minute (Christmas Vigil)

Special Events:

Occasions such as weddings, special anniversaries: only between 10am and 8pm.

TITLE 24 - NUISANCES - CHAPTER 1. - NUISANCES CLASSIFIED - Section 103. - Nuisances affecting peace and safety. The following are hereby declared to be public nuisances affecting public peace and safety:

- F. All noises, sounds or vibrations of such a character or duration so as to be unreasonably loud or disturbing to the peace and quiet of persons of ordinary sensibilities, including but not limited to those persons inside a building or structure used in whole or in part as a domicile, residence or dwelling;



a snippet from: <https://soundproofingguide.com/decibels-level-comparison-chart/>

As a frame of reference, here are the decibel levels of sounds you may encounter in your everyday life.

dBA	Examples	DECIBEL LEVELS MEANING	Decibel Effect
0	Healthy hearing threshold	0-30 dB, Very Faint.	Barely audible
10	A pin dropping		
20	Rustling leaves		
30	Whisper, Soft music	31-50 dB, Faint	One-sixteenth as loud as 70 dB. Very Quiet
40	A babbling brook, Computer		
50	Light traffic, Refrigerator	46-70 dB, Average.	One-fourth as loud as 70 dB.
60	Conversational speech, Air conditioner		
70	Shower, Dishwasher		
75	Toilet flushing, Vacuum cleaner	70-85 dB, Moderate.	Half as loud as 70 dB. Fairly quiet
80	Alarm clock, Garbage disposal		
85	Passing diesel truck, Snowblower.	91-100 dB, Very Loud.	The arbitrary base of comparison. The Upper 70s are annoyingly loud to some people.
90	Squeeze toy, Lawnmower, Arc welder.		
95	Inside subway car, Food processor, Belt sander		
100	Motorcycle (riding), Handheld drill	101-125 dB Extremely Loud.	2 times as loud as 70 dB. Possible damage in 8 h exposure.
105	Sporting event, Table saw		
110	Rock band, Jackhammer	101-125 dB Extremely Loud.	4 times as loud as 70 dB. Likely damage 8 hr exp
115	Emergency vehicle siren, Riveter		
120	Thunderclap, Oxygen torch		
125	Balloon popping	140+ dB, Painful & Dangerous	8 times as loud as 70 dB. Serious damage possible in 8 hr exposure
130	Peak stadium crowd noise		
135	Air raid siren		
140	Jet engine at takeoff		
145	Firecracker		
150	Fighter jet launch		
155	Cap gun		
160	Shotgun		
165	.357 magnum revolver		
170	Safety airbag		
175	Howitzer cannon		
180	Rocket launch		
194	Sound waves become shock waves		Average human pain threshold. 16 times as loud as 70 dB.
			Painful. 32 times as loud as 70 dB.
			Eardrum rupture

Note: dBA = Decibels, A weighted

Tim Boeckman

From: Kathy Svatek <ksvatek@verdin.com>
Sent: Monday, September 21, 2020 9:47 AM
To: 'desmondchid@aol.com'
Cc: Tim Boeckman
Subject: Church of the Madalene

Importance: High

Dear Father Desmond,

Earlier today I spoke with Tim Boeckman, architect for your project, regarding decibel levels of the bells in the tower for Church of the Madalene. I hope that the information below answers your questions.

For the past 15 to 20 years, The Verdin Company has offered several options to adjust decibel levels of cast bronze bells. As you probably know, there are many factors that contribute to sound levels including humidity, wind, vegetation and buildings to name a few. Cast bronze bells also need to be struck at a certain level for them to ring. All of these factors contribute to how a bell will sound at a particular distance from the tower.

In the past, when this has been brought up, we have offered to bring a decibel meter when we install the bells and test the level at the property line after installation. Every time the decibel level has been below the threshold per city or county ordinances. We have never had to adjust anything on the striking mechanisms to conform to those levels. If for some reason the bell did produce sounds above a particular level, we have several adjustments on the strikers that would easily take that under the requirement.

We will also be more than happy to do these readings while members of the neighborhood or city governments are there so that everyone can see the output.

Please let us know if you have any further questions. We look forward to working with you on this project.

Sincerely,

Andrew Rebber
Western Regional Manager
The Verdin Company

Sent from my iPhone

Sincerely
Kathy Svatek

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Chapman, Austin

From: Theresa Witcher <theresalwitcher@gmail.com>
Sent: Monday, September 21, 2020 8:31 PM
To: esubmit
Cc: theresalwticher@gmail.com
Subject: BOA-23002

Sirs,

I write in support of the proposed church bell tower at The Church of the Madalene as scheduled to be addressed at tomorrow's hearing before the Board of Adjustment.

My home is just around the corner from the church, on the northwest corner of the block on which the church property is situated, so very close to the church and the proposed bell tower. I think the proposed bell tower would enhance the appearance and the charm of the property, and thus the neighborhood.

Please consider approving this request.

I am available for further comment should you want to contact me.

Sincerely,

Theresa L. Witcher
2207 S. Gary Avenue
Tulsa, OK 74114

Email: theresalwitcher@gmail.com