

<b>DATE SUBMITTED:</b> November 27, 2023
<b>NAME OF PROJECT:</b> Outdoor Pickleball Courts Sound Proofing
<b>NAME OF APPLICANT:</b> Allison Lane
<b>CONTACT ADDRESS:</b> 63 Main St. Northborough Recreation
<b>CONTACT TELEPHONE:</b> 508-393-5034
<b>CONTACT EMAIL ADDRESS:</b> alane@town.northborough.ma.us
<b>SPONSORING ORGANIZATION:</b> Northborough Parks and Recreation
<b>CPA CATEGORY:</b> <input checked="" type="checkbox"/> OPEN SPACE/RECREATION <input type="checkbox"/> HOUSING <input type="checkbox"/> HISTORIC
<b>LOCATION:</b> <input checked="" type="checkbox"/> TOWN LAND <input type="checkbox"/> SCHOOL LAND <input type="checkbox"/> PRIVATE LAND
<b>AMOUNT OF CPA FUNDS REQUESTED:</b> \$54,500
<b>OTHER FUNDING SOURCES:</b>
<b>TOTAL COST OF PROJECT:</b> \$54,500
<b>BRIEF DESCRIPTION OF THE PROJECT, INCLUDING ANY CONSTRUCTION REQUIRED:</b>
<p>Racket and paddle sports like tennis, badminton, and table tennis (ping pong) each produce a unique sound when the racket or paddle hits the ball. In pickleball, there is a “ping, ping” sound made when the paddle hits the ball because the sport uses medium-sized, solid-faced wooden, composite or graphite paddles and a hard plastic perforated ball (resembles a Wiffle ball) that is larger, stiffer, and less resistant than a tennis ball. The noise generated by the game is louder, sharper, and at a higher pitch than tennis which generates a deeper “thwack” sound that registers far lower on a sound meter.</p> <p>Pickleball paddle noise is in a sound classification called impact noise – noise that occurs when an object collides with another object. It is a high-frequency noise that is at a frequency that our ears are most attuned to. Soundproofing blocks much of the noise and reduces it to below a nuisance level for nearby neighbors, becoming barely perceptible among other outdoor background noises such as automobile, airplane, human, and machine noise.</p> <p>The ultraviolet (UV) tolerant soundproofing is hung via grommets onto the top line of existing chain link, panel, security, or support pole fencing systems. It comes in 6 X 30 foot sheets and can be easily cut and shaped into custom sizes with a craft knife. On solid structure fence surfaces, it can be installed by nailing, stapling, or gluing.</p>

1. **GOALS:** What are the goals of the proposed project? Who will benefit and why? How will success be measured?

The goal of the project is to enhance the park and pickleball courts, as well as lower the sound for the neighbors and park users. Unfortunately, the sound of 6 pickleball courts being used all day is a nuisance to the neighbors in the surrounding area. The users of the park will also benefit from soundproofing the courts. People walking the track, and watching their kids play soccer will be able to do so without the constant noise from the courts. We have also learned that it is not just the ball hitting the racquet or the court that is noisy. The people playing the game are very verbal. There is lots of yelling, (good-natured competition), and cheering. This sound barrier will alleviate the noise to the neighbors and park users.

2. **ELIGIBILITY FOR CPA FUNDS:** From your review of the procedural sheet, describe how your project is eligible for the CPA category you have chosen.

This project will fall under the Recreation portion of the CPA funds. The land is owned by the Town of Northborough and it falls under the control of the Parks and Recreation Commission.

3. **COMMUNITY SUPPORT:** What is the nature and level of support and/or opposition for this project? Include either a letter of support from the town board (Housing Partnership, Historic District Commission, Open Space Committee, Recreation Commission etc.) or a letter from the board stating why they do not support this application.

The specific sound frequency and decibel of play results in a negative effect on the neighbors and park users. Unfortunately, this is the case in most communities that have installed outdoor courts in close proximity to other land users. This sound barrier is a proven way to stop the noise from traveling to the neighbors and other features of the park. The level of support is high not only among the neighbors but anyone who uses the park on a regular basis.

4. **BUDGET:** What is the total budget for the project and how will CPA funds be spent? All items of expenditure must be clearly identified, and back-up documentation provided. If the project involves construction on Town or school land, it may need to meet procurement and prevailing wage requirements.

The cost of the materials will be: \$41,132.78  
Installation will be: \$8,420.72  
Subtotal = \$49,535.50  
10% Contingency = \$4,953.55  
Project Total = \$54,489.05  
CPA Request = \$54,500.00  
See attached quotes.

5. **FUNDING:** What additional funding sources are available, committed or under consideration? Include commitment letters and describe any other attempts to secure funding for this project.

As of right now, there is no additional funding for this project.

6. **TIMELINE:** What is the schedule for project implementation, including a timeline for all critical elements? This should include the timeline for expenditures, receipt of other funds and/or other revenues, if any.

We are hoping to purchase the soundproofing barrier at the beginning of the new Fiscal year, July 1, 2024.

7. **IMPLEMENTATION:** Who will be responsible for implementing the project? Who will the project manager be? What relevant experience does the proposed project

manager have? Who else will be involved in project implementation and what arrangements have been made with them?

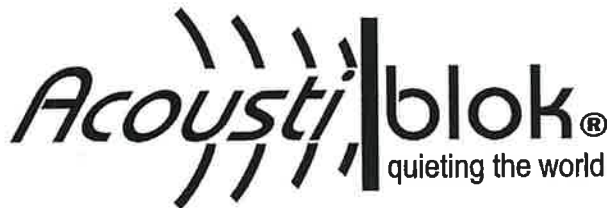
As we have done on a few projects in the past, Allie Lane (Recreation) and Scott Charpentier (DPW) will be responsible for this project. Scott will be the project manager throughout the building of the park.

8. **MAINTENANCE:** If on-going maintenance is required, who will be responsible and how will it be funded?

The Recreation and DPW will be responsible for the continued maintenance of this new court. It will fall under the Parks Dept budgeting with the Town.

**ADDITIONAL INFORMATION:** If applicable:

9. **FURTHER DOCUMENTATION:** Documentation that you have control over the site, such as a Purchase and Sale Agreement, option or deed; any feasibility reports, renderings or other relevant studies and material; and any additional information that might benefit the CPC in their consideration of this project.



## Estimate

Date Nov-22-2023

Estimate # CO10045700  
(Valid for 60 days)

Sales Rep comeara@acoustiblok.com

### Bill to:

Town of Northborough  
Scott Charpentier, P.E.

63 Main Street  
Northborough, MA 01532

EM: scharpentier@town.northborough.ma.us

### Ship to:

Town of Northborough  
Scott Charpentier, P.E.

63 Main Street  
Northborough, MA 01532

USA

PH:508-393-5040 x6

### Remit to:

Acoustiblok, Inc.  
6900 Interbay Blvd  
Tampa, Florida USA 33616  
P:(813)980-1400  
F:(813)549-2653

P.O.#	Sales Rep	Terms	EST Ship Date	F.O.B	Ship Via	Ship Notes	EST Weight
	CO			Tampa, FL	FreightWise	Lift	3474

Qty	Item	Description	Unit Price	Total Price
1	ProjectName	Pickleball noise fence - Green 10' H 180'/60'/60'	\$0.00	\$0.00
1	Notes	The following is for the 180' section	\$0.00	\$0.00
30	AF6FG-VS6XL	NEW, Patented Industrial Acoustifence® Vertical Section, 6 ft. W x 10 ft. H x 1/8 in thick; internally reinforced to 1,714 LB PSI TENSILE STRENGTH, Forest Green; approx. 6 lbs. per linear ft, grommets 8 in. apart on top, 6 in. apart on sides and a pair 3 in. apart centered every 18 in., 6 in. up from bottom. Includes 250LB silver stainless steel cable ties(Black are available at \$ 1.49 each). (sold by linear ft.) AF6FG material > 200mph wind load tested. Foliage overlay available. Industrial product may have minor blemishes. SEE INSTALLATION SUGGESTIONS.	\$770.00	\$23,100.00
1	AF6FG-VS6XL	CUSTOM NEW, Patented Industrial Acoustifence® Vertical Section, 60 in. W x 10 ft. H x 1/8 in thick; internally reinforced to 1,714 LB PSI TENSILE STRENGTH, Forest Green; approx. 6 lbs. per linear ft, grommets 8 in. apart on top, 6 in. apart on sides and a pair 3 in. apart centered every 18 in., 6 in. up from bottom. Includes 250LB silver stainless steel cable ties(Black are available at \$ 1.49 each). (sold by linear ft.) AF6FG material > 200mph wind load tested. Foliage overlay available. Industrial product may have minor blemishes. SEE INSTALLATION SUGGESTIONS.	\$770.00	\$770.00
1	Notes	The following is for the two 60' sections Each section gets (10) full size curtains and (1) custom curtain	\$0.00	\$0.00
20	AF6FG-VS6XL	NEW, Patented Industrial Acoustifence® Vertical Section, 6 ft. W x 10 ft. H x 1/8 in thick; internally reinforced to 1,714 LB PSI TENSILE STRENGTH, Forest Green; approx. 6 lbs. per linear ft, grommets 8 in. apart on top, 6 in. apart on sides and a pair 3 in. apart centered every 18 in., 6 in. up from bottom. Includes 250LB silver stainless steel cable ties(Black are available at \$ 1.49 each). (sold by linear ft.) AF6FG material > 200mph wind load tested. Foliage overlay available. Industrial product may have minor blemishes. SEE INSTALLATION SUGGESTIONS.	\$770.00	\$15,400.00



Made in the U.S.A



All U.S Materials  
for over 20 years



"a NASA Spinoff  
listed company"

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Date Nov-22-2023

Estimate # CO10045700  
(Valid for 60 days)

Sales Rep comeara@acoustiblok.com

Qty	Item	Description	Unit Price	Total Price
2	AF6FG-VS6XL	CUSTOM NEW, Patented Industrial Acoustifence® Vertical Section, 20 in. W x 10 ft. H x 1/8 in thick; internally reinforced to 1,714 LB PSI TENSILE STRENGTH, Forest Green; approx. 6 lbs. per linear ft, grommets 8 in. apart on top, 6 in. apart on sides and a pair 3 in. apart centered every 18 in., 6 in. up from bottom. Includes 250LB silver stainless steel cable ties(Black are available at \$ 1.49 each). (sold by linear ft.) AF6FG material > 200mph wind load tested. Foliage overlay available. Industrial product may have minor blemishes. SEE INSTALLATION SUGGESTIONS.	\$340.00	\$680.00
1	GHP	AcoustiFence grommet hole plugs. VERY essential, considering how much sound comes out of your cell phone's extremely small speaker holes and the grommet holes are many times larger with approximately 100 in each fence.	\$0.25	\$0.25
1	Notes	Please include - 14" stainless steel wire ties at n/c	\$0.00	\$0.00
1	DISCLAIMER-AFAD	AcoustiFence Acoustical Disclaimer-Outdoor Noise is only capable of being reduced; it is impossible to totally stop. Your noise reduction is relevant to many variables, i.e., surrounding noise reflecting objects like buildings or trees, elevations of listener vs. noise source, noise frequencies, wind, or the height of the AcoustiFence noise barrier.	\$0.00	\$0.00
1	DISCLAIMER-AFSD	Structural integrity of installation & structure the AcoustiFence is attached to, is entirely the responsibility of the customer. Wind can be dangerous on large surface areas. Consult with proper engineering to determine safest fence structure and installation, even if using our install suggestions, from various customers. Installation/maintenance in windy conditions can be dangerous and should not be done.	\$0.00	\$0.00
1	DISCLAIMER-FRT 01	Acoustiblok Inc. makes no guarantee nor assumes ANY liability whatsoever relative to shipping out or arrival times of shipments. Customer/consignee agrees to be responsible for storage and return freight charges for shipment not picked up or accepted. Customer must have ability to unload product, i.e. fork lift if lift gate not included in freight charge or noted on this document. Freight charges subject to change due to fuel index.	\$0.00	\$0.00
1	FRGHT-FreightWise	\$1182.53 3474# (2)pallets 75x51 Commercial Lift gate Delivery appt 3-4 Business days est transit	\$1,182.53	\$1,182.53



## Estimate

Date Nov-22-2023

Estimate # CO10045700  
(Valid for 60 days)

Sales Rep comeara@acoustiblok.com

**NOTE: CREDIT CARD PROCESSING FEE, AMEX 3.5%, ALL OTHERS 3%**  
**Note: "TAKE OFF OR QUANTITY OF MATERIALS IS THE RESPONSIBILITY OF PURCHASER"**

**Subtotal:** \$41,132.78  
**Sales Tax:** \$0.00  
**Total:** \$41,132.78

Signature below indicates acceptance of this Estimate including terms and conditions [www.acoustiblok.com](http://www.acoustiblok.com). Signing for Acoustiblok, Inc. *Lahnie Johnson* Lahnie Johnson, President. All sales final. No refunds/credits. No other warranties implied or verbal agreements beyond this contract. Estimates of quantities required or shipping times are only estimates. "Soundproof" is a degree of sound reduction impossible to be 100%. All of our Patented Products are "Sole Source" and ONLY sold through us.

Authorized Signature: \_\_\_\_\_ Print Name \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_



M.J.Cataldo, Inc.  
PO Box 1343  
Littleton, Ma. 01460

5-Dec-23

Scott Charpentier, P.E.  
Director of Public Works  
Town of Northborough  
63 Main Street  
Northborough, MA 01532

Project: Northborough Pickleball Courts

Tel: 508-393-5040 Ext 6  
Fax:

Scope: *Install Owner-Supplied On-Site Acoustifence Panels at Pickleball Courts*

Item	Amount	Unit	Cost	TOTAL
<b>1</b> <i>Install Owner-Supplied On-Site Acoustifence Panels</i>				
<i>a</i> Laborer (3 men / 2.5 days)	80	mh	\$ 64.70	\$ 5,176.00
<i>b</i> Equipment Truck & Ladders	2.5	days	\$ 60.00	\$ 150.00
<i>c</i> Materials Owner Supplied (Acoustifence)	0	ls	\$ -	\$ -
<i>d</i> Payroll Taxes & Insurances 45% of Direct Labor Cost	0.45	%	\$ 5,176.00	\$ 2,329.20
			<b>Sub-Total</b>	<b>\$ 7,655.20</b>
			<b>OH&amp;P</b>	<b>\$ 765.52</b>
			<b>Total</b>	<b>\$ 8,420.72</b>

*Note: All Acoustifence and Hardware necessary for installation to be provided by the Town of Northborough.*

Town of Northborough  
63 Main Street  
Northborough, MA 01532

M.J. Cataldo, Inc.  
P.O. Box 1343  
Littleton, Ma. 01460

Signature

Date

Signature

Date

Joseph A Cataldo



## MEMORANDUM

TO: Community Preservation Commission

FROM: Parks and Recreation Commission

SUBJECT: Support of the Pickleball Court project at Ellsworth McAfee Park

DATE: December 15, 2020

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The Parks and Recreation Commission unanimously supports the purchase and installation of Acoustiblok fencing around the pickleball courts at Ellsworth McAfee Park. The new courts have been open for over a year now, and the community would appreciate a sound barrier put in place. As with so many communities in the country, pickleball is sweeping the nation as a fun sport, but a noise nuisance. We feel this project would benefit not only the neighbors but the users of the park. It will cut down the noise for the walkers on the track and people using the fields for soccer. The Commission is extremely grateful for the CPC's continued support of the Recreation facilities. Thank you for your consideration.



Gary Maggolino  
Parks and Recreation Chairman