



**GOAT GRAZING PLAN**

Vadnais Heights City Hall Wooded Wetland

*Vadnais Lake Area Water Management Organization*

2023

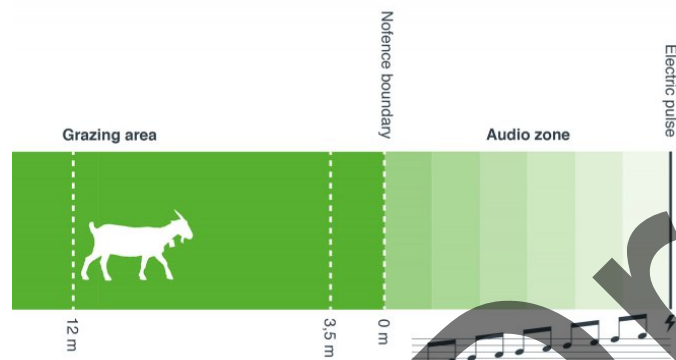
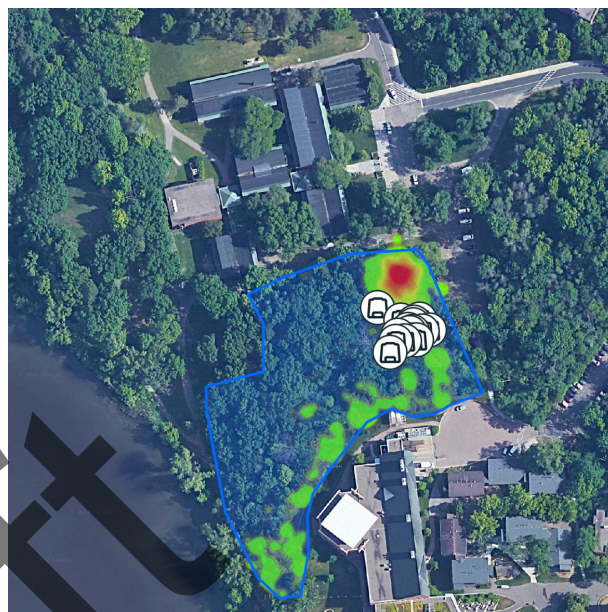
# GOAT GRAZING PLAN

## ABOUT THE MANAGEMENT PLAN

### Virtual Fencing

The goats will be primarily contained by virtual fencing. All adult goats wear a collar that gives an audible sound of boundary lines. The goats are trained to turn around when they hear this noise. We are able to see the real time tracking of each goat as well as receive alerts.

We have been using this system for a year and have more confidence in its ability to contain the goats than the older technology, net fences. Signage explaining the collars will be set up, including a QR code with more information and a video explanation.



Nofence app shows positions as well as heat map of where goats have been

### Net Fencing

Net fences will be used in public-facing perimeters and any other perimeter deemed necessary. The net fences will serve as a deterrent to the public to enter the area. The net fences may have signage that warn against touching the fence due to the electric current but we will not energize the fences.

## PROJECT OVERVIEW

This project covers 5 acres grazed twice from May through September 2023. We will focus on areas that have been previously cut.

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## MORE ABOUT NOFENCE



Nofence Grazing Technology consists of a solar-powered GPS collar and a digital boundary. The collar communicates with our easy-to-use app and web portal via the mobile network. The fencing function only relies on the GPS, but we recommend having mobile coverage in major parts of the pasture for monitoring and control in the app.



With a touch of a fingertip, you'll be able to give your animals access to rich pastures and save time and money by not having to build and maintain fences. Nofence also lets you track your animals' movements in real-time where you will get a notification if anything happens with your animals.



Simply define the area and build your virtual fence in the Nofence app. The virtual fences can easily be adjusted or moved, giving animals access to new areas and healthy pastures whenever you decide. You can also create exclusion zones to close off areas of the pasture that you want to prevent the animals from entering. Ideal for managed grazing, conservation grazing and agricultural fencing.



Nofence trains the animals to turn around on audio. When the animal crosses the Nofence boundary, the collar starts playing an audio warning. The audio warning is a scale of tones, which starts at a low pitch and rises gradually as the animal moves through the boundary zone. If the whole scale has been played, a mild, but effective electric pulse will be given. The animal then learns to recognise the audio warning and turns around to avoid the electric pulse.



## PROJECT DETAILS

### GOATS

- 30 to 60 goats will be used on the project, depending on foliage level
- A list of goats including USDA identification numbers can be provided
- Access to the current locations of the goats on a map can be provided

### HERDERS

- Set up electric net fencing
- Monitor goats, fencing, and defoliation progress
- Move goats to new zones as needed
- Provide water, minerals, and all other equipment

### PUBLIC COMMUNICATION

- Availability on 'Goat Drop Day' to answer questions from public and media
- Professional signage to share about the goats' work
- Electric fence warning signs placed along fences every 12 feet

### MISCELLANEOUS

- A camera, either live or recording feed, may be used on site
- A designated phone number reaches several individuals for urgent issues
- Proof of commercial liability insurance will be provided





# The Munch Bunch LLC

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## Estimate

### ADDRESS

Vadnais Lake Area Water Management Organization  
800 E County Rd E  
Vadnais Heights, MN 55127

ESTIMATE 0362  
DATE 10/13/2022  
EXPIRATION DATE 04/01/2023

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
Public Site Setup	Signage, additional fencing, more frequent herd checks	1	600.00	600.00
Virtual Fencing	Per acre, 1st munching to occur between May and July 2023	5	865.00	4,325.00
Virtual Fencing	Per acre, 2nd munching to occur between July and September 2023	5	865.00	4,325.00
SUBTOTAL				9,250.00
TAX				0.00
TOTAL				<b>\$9,250.00</b>

Accepted By

Accepted Date

Draft