

Washingtonville Brook Proposal

Day 1A: Installation of monitoring stations

- We will be placing 50 weighted rodent control stations with bell sensing technology installed inside of them. This will allow us to have real-time activity reports so we can track any rat activity in the target area as well as monitor our progress with our treatments.
- These stations will be baited with detex monitoring bait to strictly create a feeding zone for rodents in the area, this will assist in achieving a comfort level amongst the rats with entering the stations. Alongside of this bait will be Evolve 25b rodent bait that will lower the fertility in a male or female rat that feed on it. These are both organic products and do not contain any rodenticides.

Day 1B: Treatment of rat existing rat burrows

- We will be using CO2 to treat active burrows along both sides of the brook.
- This will flood their burrow site with an odorless gas that they can not detect, achieving a humane and rodenticide free elimination of the population. IF not rats are present in the burrow at the time of treatment, the CO2 remains active in the burrow for up to two hours.

One Week Later: **Acclimation**

After our initial install of the stations and first round of treatment, we will allow time for any remaining rats to acclimate to the stations being in their environment. At this time, we will check the activity reports on all stations, rebait as necessary and retreat all burrows found along the brook bed.

This will then be repeated every two days (Mond, Wed, Fri) for 2 weeks. This will allow us to establish a trend of the activity and help focus our efforts where activity is most prevalent so we can gain complete control of the population.

Once this timeline has been completed, we will reinspect and determine if maintenance services can be started in order to maintain the effectiveness of our treatments.

Cost Breakdown

Bell sensing tech install (40 stations)	\$2000
Detex and Evolve baits for stations	\$650
½ day rate for 2 Licensed Applicators (7 days)	\$9,380
Total Cost	\$12, 030

Maintenance Protocols

There are three options for maintenance protocols.

Option A will make further use of the *Bell Sensing Technology* to monitor any activity going on at the brook following our treatments. Upon inspection they will also be rebaited as needed. This will allow us to know if any rats from surrounding areas move back into the target area, allowing us to address and get ahead of a possible reinfestation. This will also be paired with a organic rat repellent that we have had success in using on the previous project. It is called *Nature's Defense*. This maintenance will follow a bi-weekly schedule. The first service will be station monitoring; the 2nd service will be station monitoring and natures defense application. *Any CO2 applications needed for burrows will be included at no additional charge*

Option B will only be *Nature's Defense* applications to the brook area to help repel rats from the target area treated. This application will be done every 4 weeks.

Option C will only be monitoring the Bell Sensing Tech stations and rebaiting as needed. Activity reports will be provided after each service. This will be completed on a bi-weekly basis. *CO2 applications will result in an additional charge*

<u>Schedule</u>	<u>Monthly</u>	<u>1st Bi-Weekly</u>	<u>2nd Bi-Weekly</u>	<u>Total Cost Monthly</u>
Option A	X	\$450	\$990	\$1450
Option B	\$650	X	X	\$650
Option C	X	\$450	\$450	\$900