

COVER LETTER

August 10, 2026

Stansbury Service Agency
1 Country Club Drive #1
Stansbury Park, UT 84074

RE: Proposal for Strategic Community Bat Box Installations

Dear Management:

I am pleased to submit this formal proposal and accompanying map descriptions for the strategic installation of eight (8) ecological bat houses across four key properties managed by the [Stansbury Service Agency](#). Our goal is to leverage low-cost, natural pest control to manage localized mosquito and gnat populations while strictly safeguarding public health and community infrastructure.

Implementing a paired-box configuration (two boxes per site) allows roosting colonies to safely regulate their internal temperatures by moving between sun-exposed and shaded orientations as local microclimates shift. Every chosen location has been meticulously evaluated against critical constraints: ensuring a mandatory 20-to-30-foot clear flight path, securing 6 to 8 hours of uninterrupted morning sun, and avoiding active gathering spaces, sports courts, and residential fence boundaries.

By authorizing these suggested locations, the Agency will proactively address seasonal insect nuisances near our waterways and parks while demonstrating a commitment to environmentally sustainable community management. Thank you for your time, consideration, and continued stewardship of Stansbury Park's beautiful recreational spaces.

Sincerely,

Abigail Arnell

Miss Stansbury 2026

MEMORANDUM

TO: Stansbury Service Agency

FROM: Abigail Arnell, Miss Stansbury

DATE: August 10, 2026

SUBJECT: Proposed Site Map Descriptions for Community Bat Box Installations

1. Executive Summary

This document provides the precise descriptive guidelines and geographical baselines for the proposed community bat box project. To ensure high occupancy success while mitigating risks associated with guano accumulation, a paired-box deployment model is designated for all locations. Boxes will be installed at least 15 to 20 feet above ground level on freestanding poles. All markers are situated away from artificial overnight lighting to preserve natural nocturnal emergence cycles.

2. Proposed Site Installation Matrix

Site ID	Location Name	Target Coordinates	Pair Configuration	Strategic Asset Protected
Site A	Porter Way Park	40.65213 , -112.30228	Back-to-Back (Single Pole)	Disc Golf Course Roughs
Site B	Stansbury Park Clubhouse & Lake	40.63584 , -112.29415	Back-to-Back (Single Pole)	Stansbury Lake Shoreline
Site C	Parkview Park	40.64412 , -112.29851	Back-to-Back (Single Pole)	Outer Open Turf Perimeters
Site D	Village Park	40.62758 , -112.30142	Back-to-Back (Single Pole)	Southern Open-Air Boundaries

3. Detailed Site Descriptions & Rationales

Site A: [Porter Way Park](#)

- **Location Marker:** Situated on the far north/northeast perimeter of the property at **85 E Porter Way**, embedded within the unshaded roughs bordering the [Stansbury Park Disc Golf](#) course.
- **Operational Rationale:** This placement guarantees an open drop-and-fly clearance zone for foraging bats. It creates a safe 150-foot buffer zone away from western residential property lines on Buckskin Lane and stays entirely clear of the central playground and pickleball courts where high public activity occurs.

Site B: [Clubhouse & Lake Area](#)

- **Location Marker:** Erected along the open, unshaded northern peninsula banks of [Stansbury Lake](#), directly north of the main facility at **1 Clubhouse Drive**.
- **Operational Rationale:** Positioning the dual-pole layout directly adjacent to the water allows immediate foraging access to aquatic insect hatches upon evening emergence. This site explicitly avoids the swimming pool deck, outdoor dining patios, and public walkways to prevent sanitation issues from guano.

Site C: [Parkview Park](#)

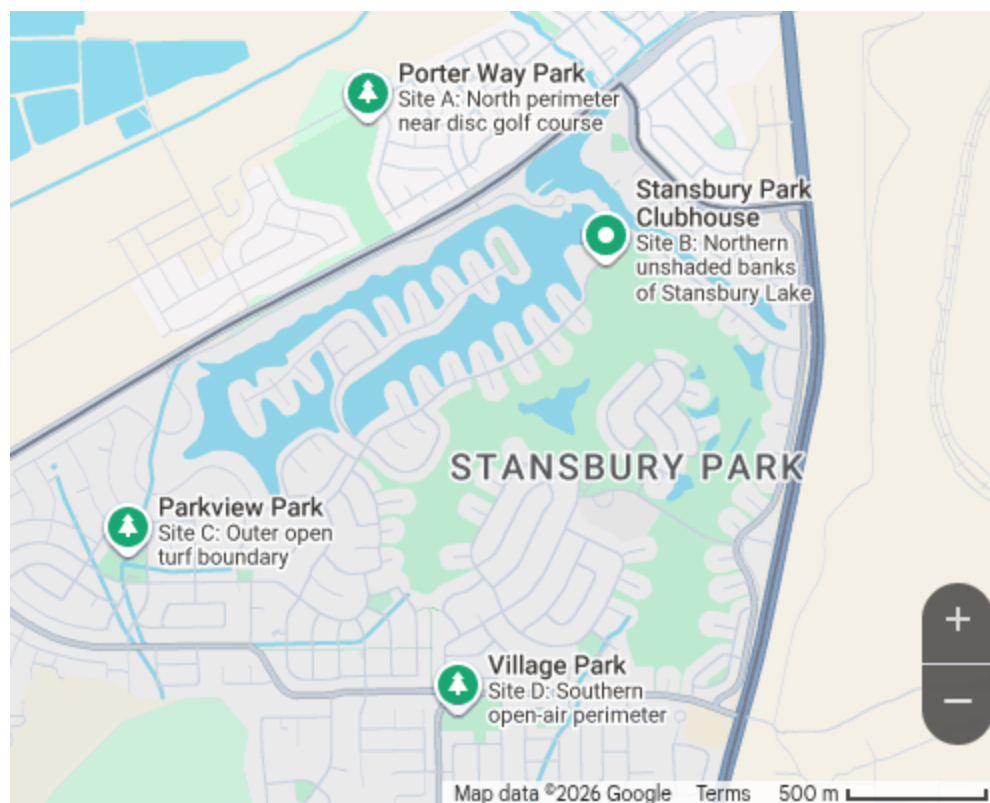
- **Location Marker:** Located along the open, undeveloped grassy boundary lines on the outer rim of the park facility at **5855 N Parkview Drive**.
- **Operational Rationale:** This position provides the boxes with uninterrupted morning sun exposure (South-Southeast alignment) required during cooler high-desert nights. It maintains an isolated posture far from the central playground equipment, sports surfaces, and residential backyard fences.

Site D: [Village Park](#)

- **Location Marker:** Sited on the southern or eastern wide-open boundary fields at **50 E Village Boulevard**.
- **Operational Rationale:** Utilizing the spacious outer turf perimeters ensures the boxes secure 6 to 8 hours of unfiltered daily solar radiation. This alignment strategically stays clear of active soccer/football zones, public pavilions, and overnight park security lights that would disrupt bat roosting rhythms.

4. Universal Compliance Requirements

- **Orientation:** All installations must face **South to Southeast** to maximize thermal retention.
- **Clearance:** A strict **20-to-30-foot clearance radius** from overhanging tree branches or buildings must be maintained at every verified coordinate marker.



BUDGET & MATERIALS CHECKLIST

This budget reflects estimated costs for setting up four (4) distinct dual-box mounting stations (totaling 8 bat boxes).

1. Materials Procurement & Cost Breakdown

Item Description	Qty	Estimated Unit Cost	Estimated Total Cost	Purpose / Notes
Premium Multi-Chamber Bat Houses	8	\$100.00	\$800.00	Certified brand (e.g., Bat Conservation International approved)
20-Foot Heavy-Duty Steel Poles (3" Dia.)	4	\$120.00	\$480.00	Main structural support for freestanding assembly
Universal Pole-Mounting Brackets	8	\$25.00	\$200.00	Secures the boxes back-to-back or side-by-side to the poles
Predator Guards / Baffles (Galvanized) and guano-catching boxes	8	\$60.00	\$480.00	Wraps around poles to stop climbing predators
Fast-Setting Concrete Mix (50 lb bags)	12	\$7.00	\$84.00	3 bags per pole base to ensure structural stability below frost line

Hardware & Fasteners (Stainless Steel)	1	\$50.00	\$50.00	Weatherproof bolts, nuts, and washers
Maint. Signage ("Bat Habitat - Do Not Disturb")	4	\$100.00	\$400.00	Compliance and informational signs for public awareness
TOTAL ESTIMATED MATERIALS COST			\$2,494.00	<i>Excludes Volunteer and Agency labor/tools</i>

2. Required Tools Checklist (Agency Provided)

- Post-hole digger or auger (capable of digging a 3-to-4-foot deep footing)
- 20-foot extension ladder or A-frame ladder
- Wheelbarrow and shovel (for mixing concrete)
- Bubble levels (to ensure poles are perfectly vertical)
- Socket wrench set and screwdrivers
- Personal protective equipment (gloves, safety glasses)