

Attachment B Scope of Work
NC26-33
Fencing the Border of Blackhawk WMA

Scope of Work

Attachment: Wildlife-Friendly Fence Project – Blackhawk Waterfowl Management Area

1. Introduction

This Scope of Work outlines the objectives, methods, and deliverables for the installation of a wildlife-friendly boundary fence at the Blackhawk Waterfowl Management Area (WMA). The purpose of this project is to establish a durable and wildlife-safe fence that clearly delineates state property boundaries while maintaining the area's ecological integrity.

The contractor will construct a new four-wire fence along the boundary as flagged in the field following a recent land survey. A reference map is also provided to assist in aligning the fence line. Work must be performed with awareness of nearby gas lines and other utilities to prevent damage or safety hazards.

1.1 Background

The Blackhawk WMA is managed by the Utah Division of Wildlife Resources to support waterfowl and wetland-dependent species while providing waterfowl and upland hunting opportunities. The existing boundary fence is outdated and in poor condition, creating confusion for hunters and the public regarding property limits and compromising wildlife safety.

The goal is to have the Blackhawk WMA open to the public as soon as possible. This 665-acre property is situated directly west of the Salt Lake County Airport. The eastern boundary adjoins the Salt Lake City International Airport, while the southern and western borders are adjacent to private landowners. To the north, the property abuts the Harrison Duck Club.

Due to its proximity to Salt Lake City and the significant presence of waterfowl, this WMA is expected to be in high demand by the public during hunting seasons. To ensure clear understanding of property boundaries and prevent trespassing, it is essential to establish proper fencing. Additionally, the fence will help protect the area during nesting season closures and assist in managing livestock from adjacent properties during the waterfowl seasons. It will also facilitate the containment of cattle when necessary for land management purposes.

While the Blackhawk WMA is still in the development process, its management approach will closely align with current management plans across other Waterfowl Management Areas (WMAs). This fencing project directly supports UDWR's ongoing objectives for protecting wildlife, establishing clear property boundaries, and managing public use responsibly.

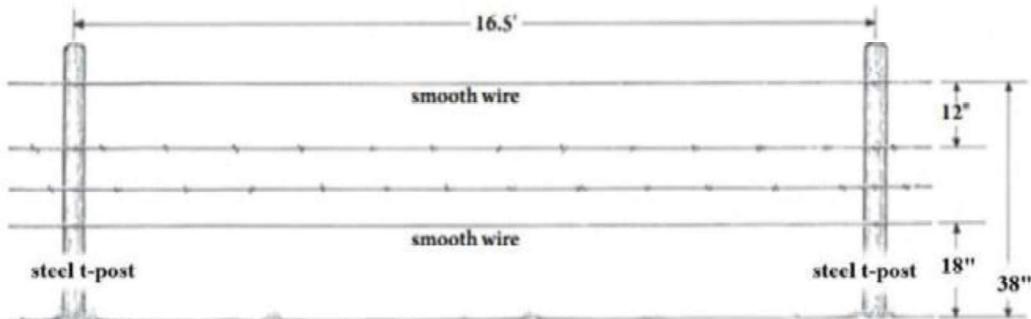
This project will replace the old fencing with a wildlife-friendly design that minimizes

barriers to animal movement, improves safety for species such as deer, pronghorn, and grazing cattle, and maintains clear delineation between public and adjacent private lands. The new fence alignment was recently surveyed and marked with flags, and installation should follow these markers precisely.

1.2 Scope of Work

Objectives:

- Construct approximately 15,400 linear feet of new four-wire wildlife-friendly fence, primarily along the eastern and western boundaries of the Blackhawk Waterfowl Management Area (WMA).



- Tie the new fencing into existing fence lines at both the northern and southern boundaries:
 - On the south side, tie in below the canal, where the existing fence currently runs.
 - On the north side, tie into the existing northern boundary fence as marked in the field.
- Follow field flags marking the surveyed boundary and reference the attached map for guidance.
- Use durable materials meeting UDWR standards (T-posts, steel drill pipe corners, barbed and smooth wire).
- Avoid damage to existing vegetation, wetlands, and nearby utilities, including the gas-line corridor.
- Remove and properly dispose of any existing fence material encountered along the alignment.

Important Notes:

- Do not fence on the canal embankment. The fence should be installed below the canal, following the existing fence alignment.
- Along the eastern boundary, the property line is approximately 20–30 feet west of the road—follow the field flagging exactly.
- The focus of construction should be the eastern and western property lines, connecting to existing fences at the north and south ends to create a continuous boundary.
- A total of ten (10) gates will be installed along the fence line. The exact locations will be determined in the field once construction begins. The Contracting Officer's Representative (COR) will meet with the contractor on-site to select and mark the final gate locations before installation.

General Description of Work:

- Fence Type: Four-wire (two barbed, two smooth) with 6-foot T-posts spaced 14–16 feet apart.
- Corners and Ends: Steel drill pipe braces (9-foot posts, 8-foot cross braces) driven or dug 3–4 feet deep and welded.
- Wire Configuration:
 - Bottom wire – smooth (18" above ground)
 - Second wire – barbed (+4")
 - Third wire – barbed (+4")
 - Top wire – smooth (+12")
- Gates: Install per specification, ensuring proper alignment and secure mechanical latching.
- Site Preparation: Limited clearing (up to 5 feet on each side of fence) may be permitted with COR approval.

1.3 Requirements

Materials and Equipment:

The contractor shall provide all labor, materials, and equipment needed for fence construction, including T-posts, wire, clips, corner assemblies, gates, and safety equipment.

Permits and Safety:

- Contractor must comply with all local, county, and state regulations.
- Fire extinguishers, water tanks, and shovels must be onsite during welding or grinding operations.
- Contractor is responsible for verifying the location of the gas line and coordinating with utility providers as necessary.

Reporting and Coordination:

- Contractor shall maintain communication with the COR regarding progress and any encountered issues.
- Weekly email progress updates are required, including photos and brief summaries of completed work.

2. Compliance

All work shall comply with:

- Utah Division of Wildlife Resources construction and safety standards.
 - Utah OSHA and local fire prevention requirements.
 - Applicable federal and state environmental laws.
 - Fence specifications outlined in this Scope of Work.

The COR will conduct site inspections during and after construction to ensure compliance and approve final completion.

3. Project Deliverables

Task	Deliverable	Responsible Party	Due Date / Duration
Site preparation & utility verification	Cleared, safe work area and utility confirmation	Contractor	Before construction
Fence construction	Completed 4-wire wildlife-friendly fence per specifications	Contractor	
Gate installation	Properly functioning gates with mechanical latches	Contractor	Concurrent with fence
Final inspection	Completed fence approved by COR	UDWR COR	Upon project completion
As-built documentation	Map showing completed fence alignment and gates	Contractor	Within 10 days of completion

4. Project Timeline

Final inspection and acceptance

December 31, 2025

5. Project Budget

The total project budget for this fence installation is \$103,000. All bids submitted under this Scope of Work must reflect the total cost of completing the project—including all labor, equipment, materials, permits, and incidental expenses—within this budget limit. Payment will be made upon satisfactory completion and approval of deliverables by the Contracting Officer's Representative.

Map:

