Scope of Work (SOW): Installation of Wildlife-Friendly 4-Strand Barbed Wire Fence Installation And The Removal Of The Existing Fence.

Project Title

Wildlife-Friendly 4-Strand Barbed Wire Fence Installation and the removal of the existing fence

Location

120N-51-5, 6.

Grant County, SD

O'Farrell Waterfowl Production Area

Project Summary

The purpose of this project is to remove old fence and install approximately 15,300 feet of wildlife-friendly 4-strand barbed wire **steel** fence to protect [livestock/crops/property boundary] while minimizing impacts on local wildlife. Steel t post and or "well pipe/ steel tube fencing" and or octagon bracing will be used to facilitate a long term, maintenance free fence for future prescribed burning operations. One parking area will be installed and all gates will be signed with US Fish and Wildlife Service Waterfowl Production Area (WPA) signs and post. The fence will be constructed to standard wire spacing specifications that allow for safe passage of species such as deer and pronghorn while maintaining livestock control. The existing fence will be removed and replaced with new fence. The existing fence consists of all steel posts and 3 or 4 strands of barbed wire, except for the wood H- Braces and Corner Braces. The disposal of the current dilapidated fence will occur offsite and will be the responsibility of the contractor.

Objectives

- Remove all existing fence in the project area where the new fence will be installed

- Install a secure, durable 4-strand barbed wire fence.

- Incorporate wildlife-friendly design specifications.

Install one parking area for public and livestock unloading access.

Sign all gates with WPA signs (provided by FWS)

- Minimize ground disturbance and habitat fragmentation.

- Ensure compliance with applicable local/state regulations and conservation practices.

-Fence will be replaced and installed in prior location, if wetland conditions do not allow this at time of construction, fence will be built around the outer edge of wetland. Tube/pipe post will be used in all wet areas.

Fence Specifications

1. Fence Height and Wire Placement

- Total fence height: 42 inches maximum.

- Wire placement (from ground up):

• Bottom wire (smooth): 16–18 inches

• Second wire: 24 inches

• Third wire: 30-32 inches

• Top wire: 42 inches maximum

- Wire type: 12.5 gauge double strand galvanized barbed wire (top 3), smooth wire (bottom)

2. Posts

- Line Post Steel tube-

Diameter - 2 3/8” Minimum

Length- 8’ Minimum

Depth – 3.5’ Minimum

-Steel Braces

Queen Vertical post- Diameter - 5” Minimum, Length 6’ Minimum

King Vertical Post – Diameter – 5” minimum, Length 10’ Minimum

Angle Brace Post- Diameter- 5’’ minimum, Length 8’ Minimum

Depth 5-6’ minimum on brace and or corner. See Reference photos.

- T Post Steel

  Length- 6’ Minimum

  Depth – 2’ Minimum

  All Steel posts will have an anchor plate and studded

Line posts: Steel T-posts and 2 3/8’’ tube post, 12–16 ft apart

- the line posts will consist of a 2 3/8’’ Steel tube post at least every 3rd post

- Corner posts: 12’ length, 5’’ steel tube or octagon steel Diameter. Depth 6.5’

- Braces are required at all corners and gates

- Installation of steel braces at 1300’ intervals or closer (as topography dictates)

-Inline Steel Angle Brace- consists of 2 queen, 1 King and 2 angle brace posts (see photo)

3. Gates

- 16–20 ft gates at specified locations with

- Optional wildlife-friendly gate design

4. Wildlife Accommodations

- Bottom smooth wire

- Top wire ≤ 42"

- Avoid known corridors

5. Materials

- 12.5 gauge double strand galvanized barbed and smooth wire

- Steel T-posts

` octagon/ steel tube pipe; line and or corner post in minim size and length.

Work Phases

1. Site Preparation

2. Post Installation

3. Wire Installation

4. Gate Installation

5. Inspection & Adjustment

6. Cleanup

Construction Timeline

Project Start Date: No Earlier than September 1st 2026

Completed Fencing Project: No later than September 30th 2027

Deliverables

- Completed fence meeting all above specifications including gate replacement and installation (planned 8-9 wire/wood gates).

Install parking area and signage as indicated on attached map (approximate locations) Each gate will have WPA sign installed.

- Final walk-through with project manager/landowner

- As-built map or diagram showing fence alignment and gate locations

Health & Safety

- Compliance with OSHA and local regulations

- Use of proper PPE at all times on site

Environmental Considerations

- Avoid disturbance to wetlands or protected areas

- Limit machinery to designated paths, if present.

- Maintain erosion control as needed

all steel tube type fencing will have caps placed on top to prevent bird injury or entrance to steel pipe tubing.

Contact Information

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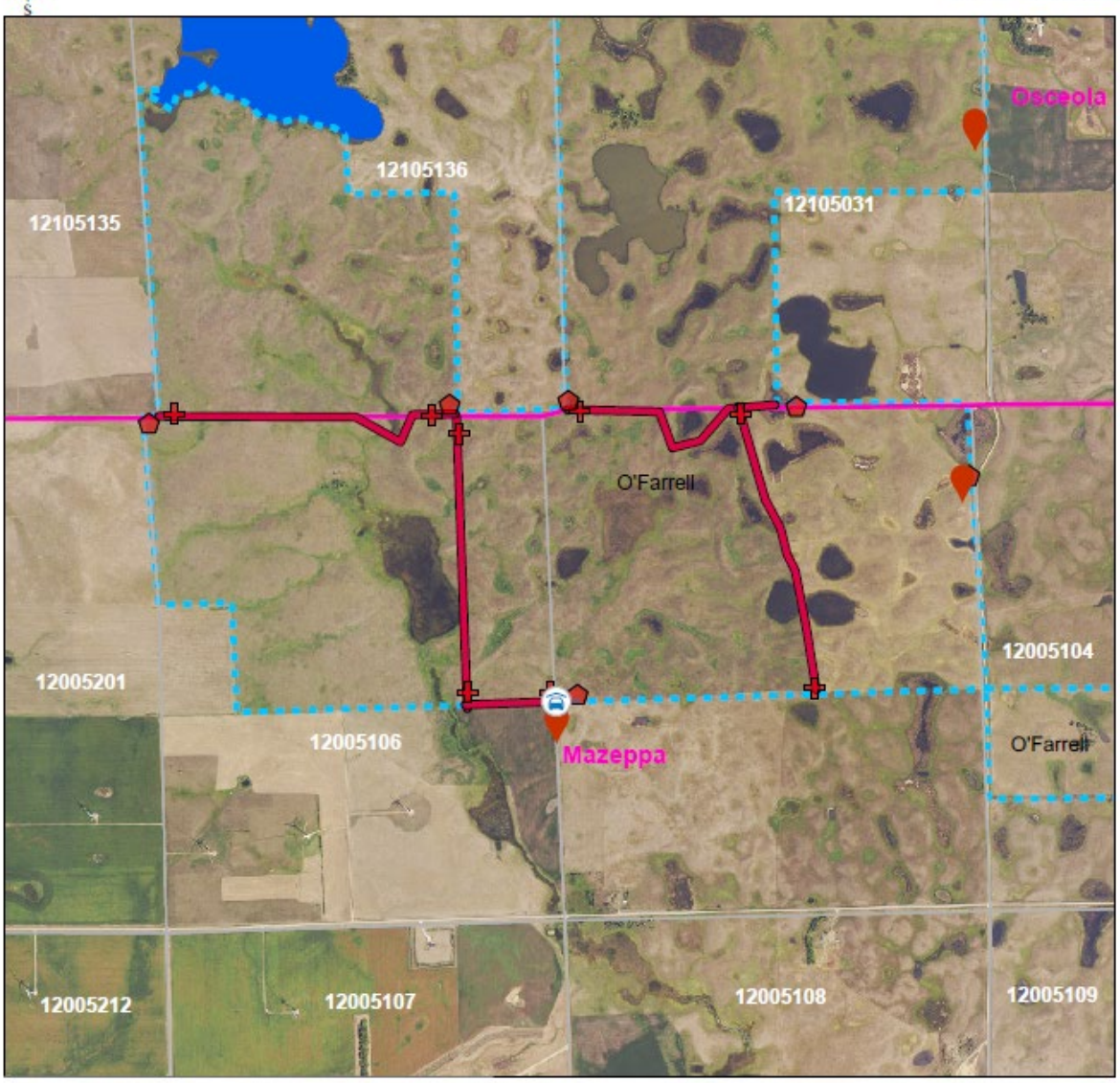
U.S. Fish & Wildlife Service

O'Farrell WPA 2026 Planned Fence, Grant County, SD



Legend

- Meandered_Lakes_WWMD
- townshipnames WBY
- 2013_WPA
- New interior fence 26
- New gate or replace old gate Ofarrel 26
- WPA sign install or replace Ofarrel 26
- Property Access Ofarrel 26
- create parking and livestock Access Ofarrel 26

0 0.17 0.35 0.7 1.05 1.4 Miles

DISCLAIMER:
The USFWS makes no claim as to the accuracy or completeness of the displayed information. Shaded areas depicting USFWS NWRS fee and easement lands are for illustrative purposes only and do not represent legal boundaries or in the case of easements, the acreage of wetland or grassland resources included in the easement contract. The quality of the data used to develop digital boundaries are variable, consequently, the digital representation of all boundary information is subject to change as higher quality data becomes available. All fee-title and easement arcs are attributed to allow for replacement. For more detailed information on the boundaries of fee-title land or easement areas, please contact one of the USFWS Realty Offices located in Bismarck and Minot, North Dakota, or Aberdeen and Huron, South Dakota.

Example of 2 3/8’ tube pipe for bard wire

Example octagon King and Queen Brace on either side of gate. Above

King and Queen Brace above

example 5’’ octagon steel inline Angle brace