



REQUEST FOR PROPOSALS

Installation of Tortoise Fence in Zone 6 of the Red Cliffs Desert Reserve

REQUEST FOR PROPOSAL

Washington County is seeking proposals for range and desert tortoise exclusionary fence along the Navajo Drive corridor in the Red Cliffs Desert Reserve.

Background information:

The Red Cliffs Desert Reserve recently expanded to include over 6,800 acres of land west of St. George. Within the new Reserve area, Washington County intends to fence the Navajo Drive corridor on State Institutional Trust Lands (SITLA) to protect desert tortoises, reduce foot traffic, and prevent un-authorized motorized use away from the road. The County holds a 100-ft easement along this corridor where much of the fence is planned to be installed. There are four types of fence that will need to be installed (see exhibit 1):

1. Range fence with four-strand wire to prevent foot traffic and motorized use (approximately 16,150 linear feet).
2. Range fence with three-strand wire and one barbed wire in areas more prone to fence damage or trespass (approximately 1,000 feet exact location TBD).
3. Range fence as described above in item 1 with the addition of 3-foot desert tortoise exclusion fence (approximately 1,650 linear feet). See exhibit 2 for specs.
4. Tortoise exclusion fence attached to already existing range fence (1,950 feet).

The desert tortoise exclusion fence (or mesh) is only needed around the Bear Poppy Trailhead. The range fence on the north side of this trailhead is already built, but it still needs tortoise mesh attached. In some instances, the newly installed range fence will tie into existing fence along the northern side of the road. Similarly, fencing on the western end of the State lands will need to be constructed in such a way to allow for future expansion onto BLM lands when approved. This request only seeks bids for fencing on the SITLA lands.

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In addition to the fence, there are 2 gates for authorized utility vehicles and 5 metal step-overs allowing trail access for the public. Gates should be 14 feet in width. Step-overs are 5-feet wide with one which must include attached tortoise mesh. See exhibit 3 for step-over design specs.

PROPOSAL REQUIREMENTS

Proposal must include the following in their scope of services:

1. Anticipated schedule or timeline of activities.
2. Cost breakout for all materials and labor to install each type of fence, gate and step-over described above. (Price per linear foot of each fence type preferred)
3. Photos, descriptions and/or references for similar past projects completed.

SELECTION CRITERIA

Proposals shall be rated according to the following criteria:

1. Understanding of the project's scope of services;
2. Presentation of a reasonable time schedule;
3. Professional qualifications and experience with similar projects;
4. Charged rate/costs for services;
5. Ability to work in harmony with Washington County, its partners and the public;
6. Completeness, conciseness, and clarity of the response to this RFP.

SUBMITTAL PROCEDURE / TIMELINE

Proposals must be submitted bearing the title *Installation of Tortoise Fence* and received no later than October 16, 2021. Proposals can be emailed to cameron.rognan@washco.utah.gov or mailed in sealed envelopes to:

Washington County HCP
197 E. Tabernacle St.
St. George, UT 84770

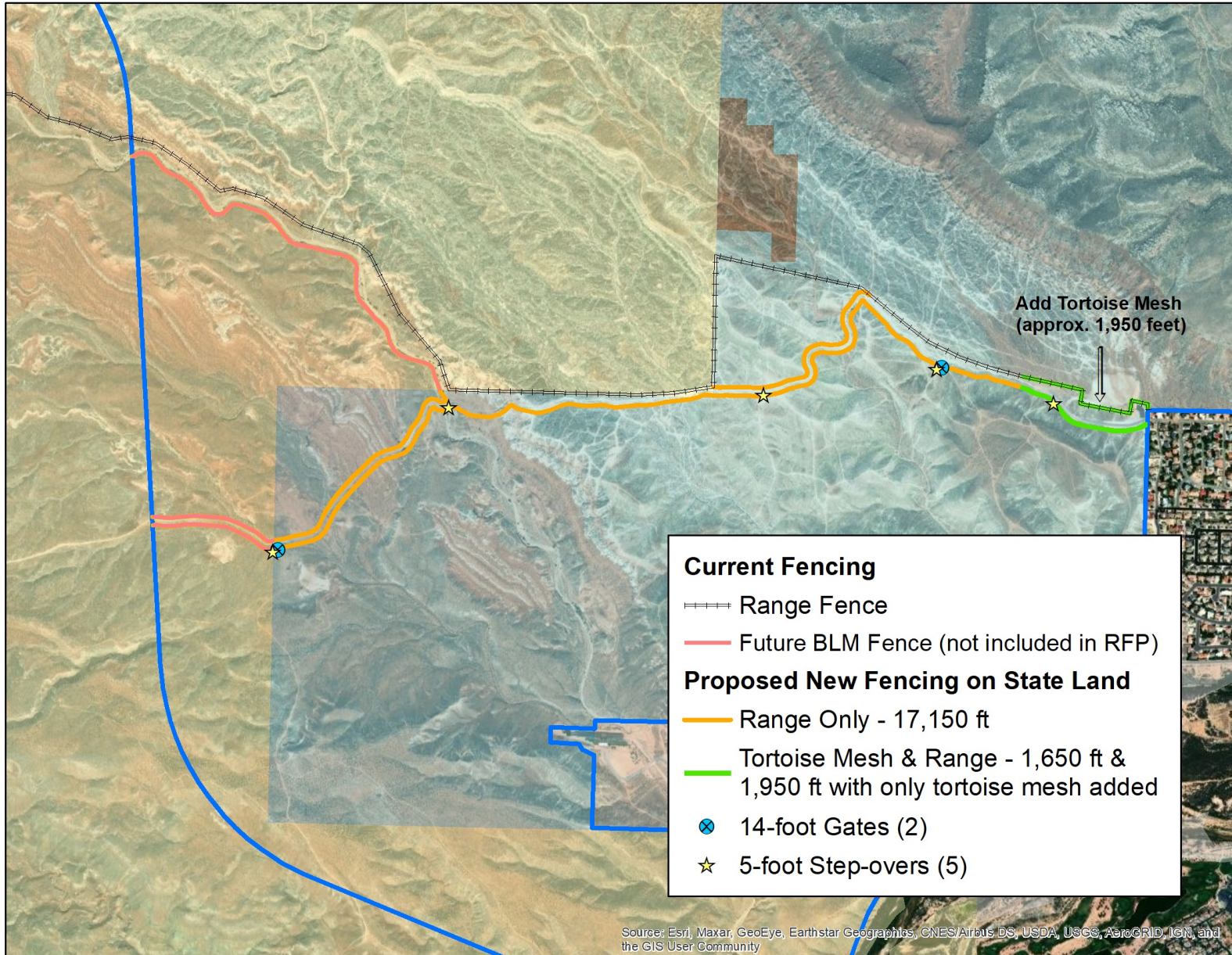
Please see attached maps showing the approximate location of the lands to be fenced and for the fence specifications.

For additional information or questions please contact:

Cameron Rognan
HCP Administrator
Email: cameron.rognan@washco.utah.gov
Office: (435) 256-6310
Cell: (435) 705-4431
180 N 200 E #111, St. George, UT 84770

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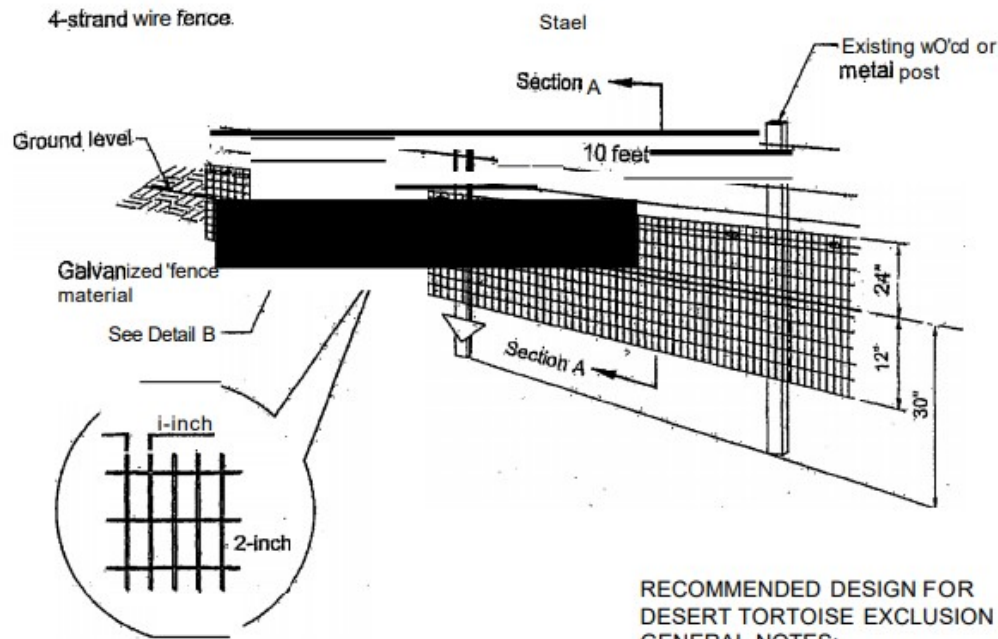
Exhibit 1. Current and proposed fencing along Navajo Drive Corridor.



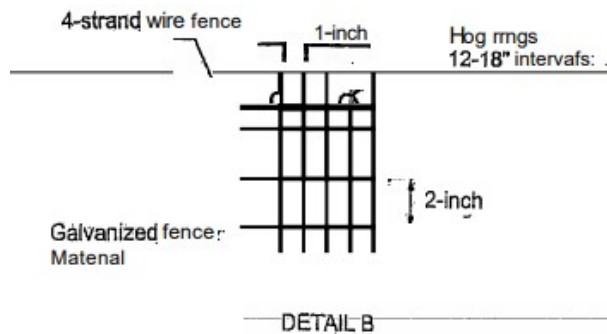
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Exhibit 2. Design specification for desert tortoise exclusionary fence.

DESERT TORTOISE EXCLUSION FENCE (2005)

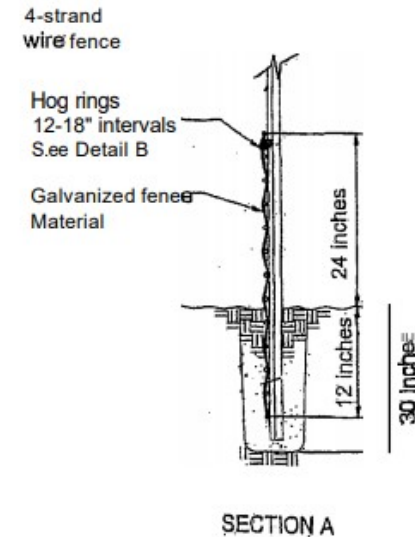


DETAIL A



RECOMMENDED DESIGN FOR DESERT TORTOISE EXCLUSION FENCE GENERAL NOTES:

1. Ensure that fence posts and materials conform to the standards approved by the U.S. Fish and Wildlife Service.
2. Ensure that the height above ground level is no less than 18 inches and no higher than 24 inches.
3. Ensure that the depth of fence material below ground level is about 12 inches but no less than 6 inches. (See SECTION A above)
4. Install additional steel posts when between existing fence posts exceed 10 feet.
5. Attach fence material to existing fence or wire using hog rings at 12-inch intervals.
6. Fasten fence material to posts with 3 tie wires with a wire near the top, bottom, and center of the fence material.
7. Backfill trenches with excavated material and compact the material.
8. Attach fence material to all gates. Ensure that clearance at base of gate achieves zero ground clearance.
9. Substitute smooth wire for barbed wire if additional support wires are necessary.
10. The number placement of support wires may be modified to allow sheep and deer to pass safely.
11. Erosion at the edge of the fence material where the fence crosses washes may occur and requires appropriate and timely monitoring and repair.
12. Tie the fence into existing culverts and cattle guards when determined necessary to allow desert tortoise passage underneath roadways.



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FOR BEDROCK OR CALICHE SUBSTRATE

1. Use this fence design (see below) only for that portion of the fence where fence material cannot be placed 6 inches below existing ground level due to presence of bedrock, large rocks or caliche substrate.
2. Ensure that the fence height above ground level is no less than 22 inches.
3. Ensure that there is a zero to 2-inch ground clearance at the bend.
4. Ensure that the bent portion of the fence is lying on the ground and pointed in the direction of desert tortoise habitat.
5. Cover the portion of the fence that is flush with the ground with cobble (rocks placed on top of the fence material to a vertical thickness up to 4 inches).
6. When substrate no longer is composed of bedrock or caliche, install fence using design shown above.

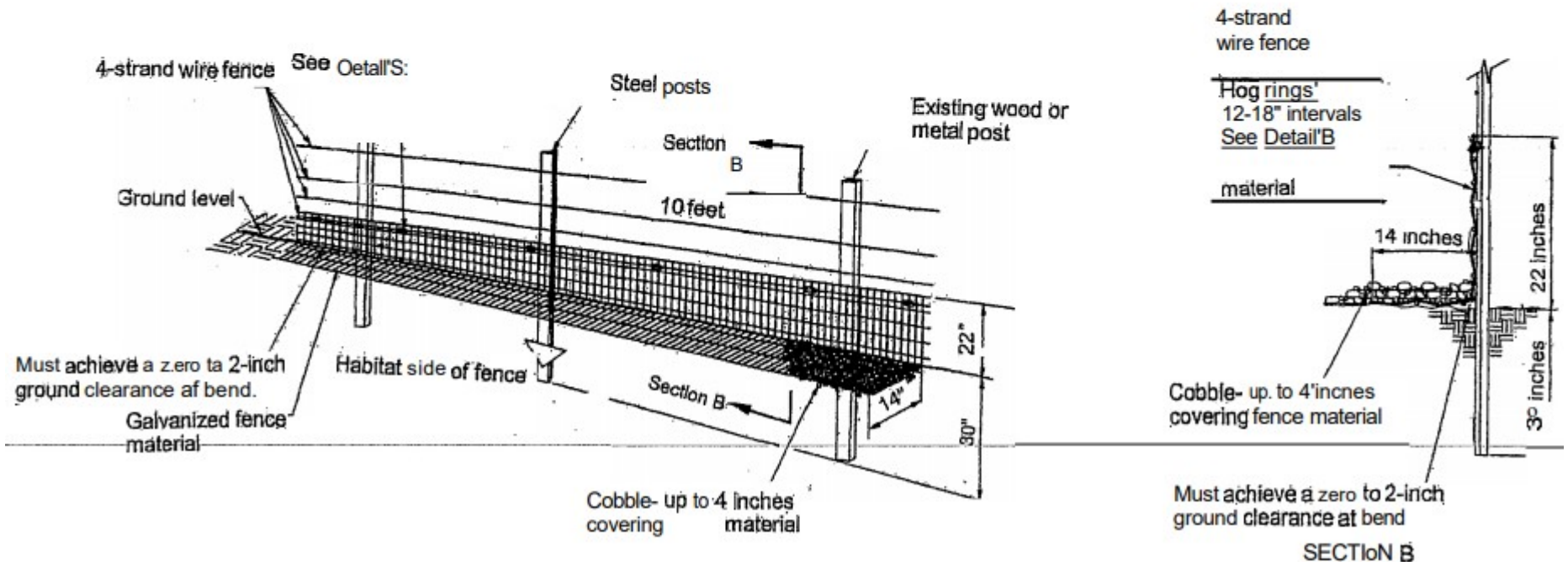


Exhibit 3. Design specification for metal step-overs.

