Final Environmental Assessment

Cedar Valley Wildlife Management Area Proposed Shooting Range, Lincoln County, Nebraska

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Prepared by

U.S. Fish and Wildlife Service and
Nebraska Game and Parks Commission

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1.0 PROJECT DESCRIPTION

1.1 Purpose and Need

The Cedar Valley Wildlife Management Area (WMA) is an 880-acre public access area that hosts both big and small game along with upland game hunting opportunities. Public target shooting is currently allowed on the northeastern most portion of the Cedar Valley WMA; however, there are no current facilities or designated areas.

The proposed project is for the construction of a shooting range at the existing Cedar Valley WMA which is located approximately 1.25 miles east of Wellfleet, Nebraska. The proposed project is based on a public need for hunter education and shooting sports education in Central Nebraska accessible to the public. This proposed shooting range will provide a safe, confined, and controlled area for shooting to take place. The proposed project will use 8.6 acres of the existing 880-acre WMA area and modify it to provide a 100-yard rifle range and a 25-yard pistol range. The rifle range would allow for multiple types of firearms including air rifles, muzzleloading rifles, shotguns, and both rimfire and centerfire rifles. The pistol range would permit air guns, shotguns, smallbore rifles, and both rimfire and centerfire pistols.

The Nebraska Game and Parks Commission (NGPC) has submitted a grant application request for the Hunter Education Range Program - Cedar Valley Shooting Range (F24AF03186; W-168-E-1) to the Service's Office of Conservation Investment (OCI) for review and approval to receive federal grant funds through the Wildlife Restoration (WR), also known as the Pittman–Robertson Act Wildlife Restoration Program. The U.S. Fish and Wildlife Service's (USFWS) decision to approve the proposed grant application and fund construction and installation at the WMA constitutes a federal action subject to the requirement of the NEPA for preparation of an Environmental Assessment (EA).

1.2 Background

NGPC has indicated that there is a need for a shooting range as there are over 5,000 big game hunters in Lincoln County. Currently, there are few options for public shooting opportunities in this area. The NGPC will modify the existing Cedar Valley WMA to meet the public need for the proposed shooting range.

1.3 Project Location

The proposed shooting range is located within the Cedar Valley WMA, approximately 1.25 miles east of Wellfleet, Nebraska. The physical street address for the Cedar Valley WMA is 43998 South Mitchell Road, Wellfleet, Nebraska. The full project and proposed shooting range location is outlined in the **Nebraska Game and Parks Range Development Plan for the Cedar Valley Wildlife Management Area** in **Appendix A**. As illustrated on the **Project Location Map** in **Appendix B**, the Cedar Valley WMA is located in the Northeast ¼ of the Northeast ¼ of Section 23, Township 9 North, Range 30 West of the Sixth P.M. Lincoln County, Nebraska. The latitude is 40.74012778 and longitude is -100.6974833.

Review of the Lincoln County Assessors website shows the eastern edge of Wellfleet within 1.5 miles of the center of the proposed shooting range. There are fifteen (15) residences within 1.5 miles of the shooting range. Refer to the **Residences Proximity Map** in **Appendix B**. A site analysis was completed using wind roses (Midwest Regional Climate Center, 2024) to characterize the speed and direction of the winds at this location. It was determined that during most of the months of the year the wind blows the greatest amount of time from a northwest direction.

1.4 Project Description

The proposed project is for the construction of an outdoor shooting range consisting of a 100-yard two lane rifle range and a 25-yard two lane pistol range. A copy of the **Nebraska Game and Parks Range Development Plan for the Cedar Valley Wildlife Management Area** is in **Appendix A**. Other proposed amenities include shelters, shooting bays, parking areas, sidewalks, and a walking trail.

The proposed ranges include the following:

- The rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes.
- Two (2) shooting benches will also be constructed, one for each lane.
    - A separate and slightly offset 50-foot wide by 20-foot-tall berm constructed to the south-southwest of the pistol shooting benches will be used as a soil backstop.
- A 150-foot wide by 20-foot-tall berm constructed to the southwest of the rifle shooting benches will be used as a soil backstop.
- The pistol range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes.
- There will be a gravel path to the end of the shooting lanes to allow for safe access to rifle and pistol targets.

The dirt back and side berms will be constructed at industry standard heights to contain all projectiles that are fired following range usage rules. The dirt berms will be constructed using materials within the boundaries of the project. After major stages of construction are completed, the berms will be planted using the seed mixes provided in **Appendix A**. Straw/coir and coir erosion control blankets will be used to protect sloped areas during plant establishment. A gravel parking lot will be constructed to the northeast of the shooting ranges. There will be a concrete handicapped parking space added for ADA access. Access to the ranges and shooting benches will be through gravel paths, with a slight slope for wheelchair access. There will also be a center path with steps down to the shooting ranges.

Lead management guidelines in the EPA's Best Management Practices for Lead at Outdoor Shooting Ranges manual (Revised June 2005) will be implemented at this site. In the design of the range the BMPs that will be implemented include utilizing clay-based soils that are naturally present at the shooting range site that will act as a barrier to control the mobility of soluble lead. The side and end berms of each shooting bay will also control the flow of surface water so lead particles will remain within each shooting bay. Surface flow at this site is from the north to the southeast. The project will regrade much of the area to allow for level shooting ranges and paths to set targets. There will be a corrugated metal pipe (CMP) installed at the driveway of the parking lot to allow for the surface flow of the ditch that runs parallel to South Mitchell Road to remain free flowing. A second CMP will be installed on the southwest end of the rifle range to allow surface flow from the west to the southeast and divert surface flow away from the containment berm.

The proposed project will follow the Interstate Technology and Regulatory Council (IRTC) Environmental Management at Operating Outdoor Small Arms Firing Ranges, to ensure that vegetative controls are used to reduce the eroding impacts of heavy rain on the soil surface to slow the flow of water. The soil will bind through plant root systems, filtering out lead particles or other constitutes of concern from runoff water. EA Engineering conducted a Study "Lead Mobility at Shooting Ranges", which stated metallic lead is slowly oxidized to form that dissolve and become slightly mobile in the environment. The rate at which metallic lead will oxidize and migrate to the water is very slow. It is estimated that the complete corrosion of bolls and shot though oxide may take as much as 100-300 years or longer (EA Engineering, 1996).

1.5 Operation and Maintenance

The facility will be operated and maintained by NGPC. The NGPC operates other shooting ranges and other public access amenities throughout the State of Nebraska. They are well-versed in the maintenance requirements of such public facilities. Use of the range will only be allowed during daylight hours; therefore, any lighting is not planned for installation. Planned operating hours will be 9 a.m. to sunset, following an identical schedule to other agency self-serve sight-in ranges. The NGPC will routinely implement lead recycling at this proposed facility, in the form of raking and screening. Depending on the usage of the facility, a professional lead recycler may be hired on an as needed basis to clean up the berms. The NGPC will inspect the berms on a routine basis to ensure they meet the minimum requirements needed to ensure they are in good working order and are within the design specifications.

1.6 Funding

The estimated project cost is anticipated to be $502,405.00. The proposed range will be built using 90% Pittman-Robertson Federal Aid in WR Act funds, administered through the USFWS, specifically, the funding is from Section 4, used for hunter education or ranges. The NGPC will use game cash funds for the remaining 10% funding for this project.

1.7 Legal and Regulation Compliance

All local, state, and federal laws, rules and regulations are being followed for this proposed project. The NGPC, with consultants MILCO Environmental Services, Inc. (MILCO), are working with the United States Department of Agriculture, Nebraska Natural Resources and Conservation Office (NRCS), Nebraska State Historical Preservation Office (NeSHPO), USFWS Ecological Services, amongst several other agencies, to mitigate or address any potential environmental impacts with the project. For a full listing of the agencies consulted, refer to **Section 5.0**. A copy of the correspondence submitted as part of this assessment are in **Appendix C**.

This project has been designed to follow and will continue to follow the EPA's Best Management Practices for Lead at Outdoor Shooting Ranges (EPA, 2005) which includes and incorporates relevant requirements from the Resource Conservation and Recovery Act (RCRA), the Clean Water Act (CWA), and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The NGPC and the USFWS will select one (1) of the alternatives reviewed in this assessment and the USFWS's Regional Director will determine if this EA is adequate to support a finding of no significant impact decision or if an Environmental Impact Statement (EIS) will be required.

2.0 ALTERNATIVES

The alternatives analysis considered five options. *Alternative 1* – The first alternative considered but not pursued, was the Freemont Slough WMA. This WMA was determined not to be a feasible location as it was too close to a roadway to provide for a safe shooting range. *Alternative 2* – The second alternative site that the NGPC reviewed, but not further considered, was the Platte WMA. This location was determined not to be a feasible alternative as it would have wetland issues that would inhibit the proper development of a safe shooting range. *Alternative 3* – A third alternative was reviewed but not further considered which was the Hershey WMA. This site was determined not to be a feasible location as it was too close to the access road to provide a safe firing direction. *Alternative A* – Cedar Valley WMA (Preferred) was studied due to its proximity to North Platte, Nebraska, one of the larger towns in western Nebraska, its proximity to NGPC hunting and shooting sports population as well as the amount of indiscriminate target shooting occurring on the property. Alternative A was selected as the least environmentally damaging practicable alternative given the existing use of the site. *Alternative B* – No Build (No Action) would leave the Cedar Valley WMA unimproved and retain an unconfined shooting to take place.

2.1 Alternative A – Preferred Alternative

The preferred alternative would be using Service awarded funding under WR for the project design described under the **Project Description (Section 1.4)** is the preferred alternative because it has the room to provide for a shooting range in Central Nebraska that is easily accessible to the public and provides a safe, confined, and controlled area for rifle and other target shooting needs. The NGPC has used internal staffing to site and design the proposed shooting range.

2.2 Alternative B – No Action Alternative

Under the no action alternative, the Service would not award the funding for the project and the shooting range would not be constructed. Therefore, the purpose of improving recreational access would not be met and an informal and unregulated public target shooting range would continue in the northeastern portion of this WMA. Recreational shooting will be conducted at scattered sites throughout this area and basic shooting safety would continue to be an issue.

3.0 AFFECTED ENVIRONMENT

3.1 Physical Environment

The proposed site is located in rural Lincoln County and is located at the Cedar Valley WMA.This is an 880-acre area that is comprised of native grasses and habitats that host both big and small game species, along with upland game. The site is surrounded by mixed use agricultural land for either row crop production or pastureland.

3.2 Water

The **Project Location Map** in **Appendix B** does not show any surface waters within the proposed project area. As discussed in **Section 1.4** above, the surface flow at this site is from the north to the southeast.

In reviewing the United States Geological Services (USGS) Watershed Website (USGS, 2024), the proposed project site lies within the Hay Canyon Medicine Creek Watershed. The **Waterbody Report** for this site is provided in **Appendix D**. This report shows that Medicine Creek is the receiving water from this area, and that Medicine Creek is an impaired water for E coli (EPA, 2024). The *subject property* lies within the Republican River Valley and Dissected Plains Groundwater Region of Nebraska (Conservation and Survey Division, 1998). The groundwater in these areas is found in the Ogallala Group of the Tertiary age and overlying Quaternary sand and gravel deposits. Water is also found in the alluvium and terrace deposited in the Republican River Valley and its tributaries. The saturated thickness of groundwater ranges from less than 100 feet to about 300 feet or more.

The National Centers for Environmental Information National Oceanic and Atmospheric Administration (NOAA) reported the average annual rainfall for this area is 23.6 inches (National Centers for Environmental Information National Oceanic and Atmospheric Administration, 2024).

3.3 Soils

The United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) have a Web Soil Survey website (United States Department of Agriculture and Natural Resources Conservation Service, 2024), that was used to generate a soil report for the proposed site. A copy of the **Custom Soil Resource Report for Cedar Valley WMA** is provided in **Appendix E.** This report shows the soil types are comprised of Coly silt loam, 17 to 30 percent slopes (2534) (50.3%), Hord silt loam, 3 to 6 percent slopes (8872) (40.7%), and Hord silt loam, 1 to 3 percent slopes (9.0%). Hord silt loam, 1 to 3 percent slopes and Hord silt loam, 3 to 6 percent slopes are classified as prime farmland.

All three of these soil types have a drainage class of 'well drained', resulting in no major obstacles to lead reclamation. As outlined in the project description, all dirt work will be completed with soils from within the proposed project area and not include fill dirt from other sources. Due to the high silt and clay content of these soils, they will compact well and hold the slope of the berms.

According to *The Groundwater Atlas of Nebraska, No. 4b,* (Conservation and Survey Division, 1998), the *subject property* is located in Dissected Plains which are regions of hilly lands that have been eroded by water and wind, resulting in landforms with moderate to steep slopes, sharp ridge crests and remnants of the old plain. Loess soil allows for good infiltration but has high runoff due to the slopes.

FEMA Floodplain maps were reviewed from the EPA NEPA Assist website (EPA, 2024). The proposed project site does not lie within any mapped floodplains. A copy of the **FEMA Floodplain Map** is provided in **Appendix E**.

3.4 Air Quality

The EPA Nebraska Non-attainment/Maintenance Status website was reviewed as part of this report. This review showed that there are non-attainment areas in Douglas County, but none listed for Lincoln County Nebraska (EPA, 2024).

3.5 Topography

As depicted on Sheet 2 of the **Nebraska Game and Parks Range Development Plan for the Cedar Valley Wildlife Management Area** in **Appendix A,** the site elevations range from 2,752 feet above sea level on the northeast portion of the site.

Whereas, 2,720 feet above sea level on the southeast portion of the site. The northern part of the site lies on a hill slope that transitions into a stream terrace in the southeastern portion of the site.

3.6 Biological Resources

The National Wetlands Inventory website was reviewed to determine if any potential wetlands are present in the proposed project area (U.S. Fish and Wildlife Services, 2024). A copy of the **National Wetland Inventory Map** that was generated from this website is provided in **Appendix F**. There were no mapped wetlands located within the proposed project site.

There are identified wetlands to the south of the proposed project site that are adjacent to Medicine Creek. The NGPC provided information concerning the vegetation that is at the subject site, which indicated that The Cedar Valley WMA is located in the mixed grass prairie ecosystem. This community phase is a unique assemblage of perennial, cool season grasses that have developed over time. This plant community is managed unlike the reference state communities regarding timing of grazing and season of use. Cool season grasses can complement warm season rangeland by providing forage before and after the growing season of warm season grasses.

It was also reported that western wheatgrass, Kentucky bluegrass, smooth bromegrass and sedges are the dominant species that make up this plant community. A range of variability in dominance and sub-dominance of species occurs across the extent of this Mixed Grass Prairie Ecosystem and therefore it is difficult to define this plant community. Reed canary grass and phragmites are species that could occur in this plant community as well.

3.7 Wildlife

The NGPC provided information concerning potential wildlife that could be present at the subject site. The following birds may be present, but not limited to turkey, bobwhite quail, mourning dove, various grassland songbirds, and various raptors. The common mammals that may be present at the site are whitetail deer, mule deer, elk, cottontail rabbit, raccoon, opossum, skunk, coyote, and porcupine. Reptiles may also be found at the site, which include snakes, lizards, skinks, and turtles.

3.7.1 Fish and Other Aquatic Species

There are no noted surface waters on the proposed project site. The **Project Location Map** in **Appendix B** shows that there are no year-round surface water sources at the site that are suitable for fish or other aquatic species to inhabit. The drainages on the site only convey flows in high rainfall events and provide no suitable aquatic habitat. Therefore, no fish or other aquatic species are deemed present at the proposed project site.

3.7.2 Threatened and Endangered Species

MILCO reviewed the USFWS's Information Planning and Consultation (IPaC) (U.S. Fish & Wildlife Service, 2024) for threatened and endangered species that may be present at the proposed project site. A copy of the IPaC Resource List is in **Appendix G**. The following were noted: northern long-eared bat, piping plover, whooping crane, pallid sturgeon and American burying beetle. In addition, the tricolored bat was listed as a proposed endangered species, and the monarch butterfly was listed as a candidate species.

MILCO also reviewed the Conservation and Environmental Review Tool (CERT) for a listing of state-listed threatened and endangered species (Nebraska Game and Parks, 2024). The following species were listed for this site: American burying beetle, whooping crane and swift fox. The CERT is found in **Appendix G.** MILCO reviewed information from the NGPC website (Nebraska Game and Parks, 2024) for habitat suitability for the listed species. Below is a description of suitable habitat for each species followed by a determination of suitable habitat.

Northern Long-Eared Bat and Tri Colored Bat

In the summer months, Northern Long-eared Bats and Tri Colored Bats can be found in woodland areas. They roost singly or in colonies under the bark of trees and in tree cavities. Males and non-reproductive females can also be found roosting in cooler locations such as

mines. Occasionally, they have been known to roost in structures including buildings or barns, but this is rare. In the winter months, Northern Long-eared Bats and Tri Colored Bats do not migrate but rather find hibernating spots (hibernacula) in caves and mines with a constant temperature and little to no air movement. They often squeeze into tiny cracks or crevices within these caves or mines. The site contains suitable habitat for the Northern Long-eared Bat.

Piping Plover

Piping plovers are found along shorelines, mud flats and sand flats. In Nebraska, they can be found along the Platte River east of Lake McConaughy and in the lower reaches of major rivers. The project site does not provide suitable habitat for the piping plover.

Whooping Crane

Whooping cranes prefer shallow braided riverine habitats and wetlands for roosting. Nebraska is one of the only places where a considerable amount of time is spent in rivers. They use agricultural fields, wet meadows, marsh habitats, and shallow rivers for feeding. Whooping cranes typically select sites with wide, open views and those areas that are isolated from human disturbance. The project site lacks suitable habitat for the whooping crane.

Pallid Sturgeon

Pallid sturgeon tend to select main channel habitats in the Mississippi River stretch and main channel areas with islands or sand bars in the upper Missouri River system, including the Platte River in Nebraska. The project site does not provide suitable habitat for the pallid sturgeon.

American Burying Beetle (ABB)

The ABB can be found in a wide variety of habitats ranging from open woodlands to grasslands. The habitat requirements of the American burying beetle are not completely understood, but they seem to prefer large, intact areas with little or no human disturbance. The more important criteria for habitat is the availability of carrion. Also important is the soil type that allows the beetle to bury animal carcasses. In Nebraska, the ABB can be found in prairies, open woodlands, scrubland and forest edge. The site has suitable habitat for the ABB.

Swift Fox

Swift foxes require open shortgrass prairies with few shrubs and trees. They often use prairie dog and badger dens to raise their young. They can also dig their own dens, but this is rare. Swift foxes rely on the grasses remaining short through grazing, haying or fire to be able to scan for predators. Swift foxes are typically nocturnal hunters active from dusk to dawn. They can, however, be seen sunning themselves at the entrance to their burrow on sunny winter days and pups frequently play near the den during the day. Swift foxes use dens year-round. Swift foxes will often den in road ditches due to the fact that coyotes (a major predator of the swift fox) do not typically inhabit this area.

Monarch Butterfly

The monarch butterfly is listed as a candidate species under the Endangered Species Act. Favorable habitat for monarch butterflies occurs in prairies, crop fields, pastures, roadsides, and marshes where milkweeds grow. Milkweed is a significant habitat requirement. The species depends on milkweed for feeding and reproduction. Other flowers include, but are not limited to, Indian hemp dogbane and lilac species. Milkweed, Indian hemp dogbane, and lilac have not been observed on the site (Scott Aden, NGPC). However, the project site is a prairie and provides potential suitable habitat for the species. The site has suitable habitat for the monarch butterfly.

3.8 Historic and Cultural Resources

MILCO reviewed the Nebraska National Register of Historical Places website (Nebraska National Register of Historic Places, 2024). There were no registered historical places at the proposed project

site or within one mile of the proposed project site.

Jeff Rawlinson with NGPC consulted with the Nebraska State Historic Preservation Office (NeSHPO). In a comment letter from NeSHPO dated December 9, 2020, it was determined that “no historic properties affected” is appropriate for the proposed project. A copy of the NeSHPO comment letter is in **Appendix H.** As a result of this letter, an archeological survey was performed November 23, 2020, by the Nebraska State Archeology Office of an Area of Potential Effect of 8.6 acres. The report stated that no archeological resources were discovered. The Project Effect Determination for Archeology was “No Historic Properties Affected-None Present”. A copy of this **Project Summary** is provided in **Appendix H**.

The USFWS initiated a written request for cultural resource consultation to the Indian Nations listed in **Section 5.2**. The project was described, and a copy of the location figure and site plan drawing was provided (**Appendix M**). Any comments received by Tribes regarding adverse effects to cultural resources in accordance with Section 106 of the National Preservation Act were fully considered by the Service prior to any final decisions being made.

3.9 Land Use

The preferred site is located near the southern border of Lincoln County, Nebraska. The proposed project site is within a larger area currently used for wildlife management by NGPC. It is used for the enhancement of wildlife habitat and for public hunting, public (rifle, pistol, shotgun) target shooting, trapping, hiking, bird watching, nature study and primitive camping. The land has been managed by NGPC since 1995 (see **Appendix H**).

Prior to European settlement, the land in the county was home to the Pawnee; the Sioux, Cheyenne, and potentially Arapahoe nations hunted in the area along the Platte River (Save America's Heritage, 1993). Records of a Pawnee village in the county come from Pedro de Villasur's expedition in 1720 (Coleman, 1992). No notes of settlement sites were located in the General Land Office Plat Map from 1871, the earliest that could be located (Nebraska State Surveyor's Office). The Nebraska State Historical Society's 'Nebraska Place-Names' for Lincoln County lists a note from W.H. McDonald, born in the county in 1861 (Hutton, 1944), stating that Medicine Creek was 'So named by the Indians who camped along its banks in the timber' (Link, 1960).

Regarding the surrounding environs, in the 1840s a trading post in the western part of the county was established, and in 1863 Fort Cottonwood (later called Fort McPherson) was built to the east of modern-day North Platte. In 1866 a rail line was built through the county along the natural transportation route of the Platte River. The nearest town to the preferred site, Wellfleet, was platted in 1887. In 1931, the Nebraska Game and Parks Commission created Wellfleet Lake by damming Medicine Creek (Save America's Heritage, 1993).

3.10 Noise

A baseline level of noise exists in the area due to public hunting and target shooting. Other noise includes the nearest airport located at Curtis, NE approximately 13.4 miles from the project site and the Nebraska-Kansas-Colorado Railway track that borders the project site on the south side. The track is classified as a light density line (Wilbur Smith Associates in association with HWS Consulting Group, 2003). The project site is also bordered on the east side by South Mitchell Road, a gravel or crushed rock county road. A paved county road, Opal Springs Road, joins South Mitchell Road approximately 0.2 mile north of the project site. The closest major highway is US Highway 83, approximately one (1) mile west of the site.

There were fifteen (15) residences within 1.5 miles of the shooting range. Refer to the Residences Proximity map in **Appendix B**. The Village of Wellfleet is within 1.25 miles to the west-northwest of the proposed shooting range. The population of Wellfleet is 79 (Census Reporter, 2024). This data is from the ACS 2022 5-year census. To determine the actual decibel levels observed from firearm use in the proposed project location, a sound study would be necessary; however, experience indicates decibel levels would be that of normal conversation or lower at the site of the nearest dwelling. A 2010 site test in Lincoln,

Nebraska conducted by the Commission where sound was recorded at 60 decibels at 1/3 mile and less than 50 decibels at 2/3 mile down range. Normal indoor conversation is considered to be at 55-65 decibels. EPA guidance recommends an outdoor exposure maximum of 55 db average over a 24 hour period, as exposure over that limit is identified as showing significant activity interference and annoyance to daily activities. The intermittent use of the range during daylight hours would not produce even close to this level of exposure (EPA, 1974).

3.11 Hazardous Materials

A review of the Nebraska Department of Environment and Energy (NDEE) Interactive Map Server website (Nebraska Department of Environment and Energy, 2024) did not reveal any release sites at or within one (1) mile of the proposed project site.

MILCO consulted with the Nebraska State Fire Marshal's office to determine if there are any registered fuel storage facilities at or adjacent to the subject property. Ms. Rosemay Hatton responded that there are no registered fuel storage facilities at or adjacent to the subject property. A copy of **Ms. Hatton's Response** letter is in **Appendix I**. The proposed use of the project site as a shooting range will increase the amount of spent lead at the project site. The proposed project will implement and follow the EPA's BMPs for outdoor shooting ranges, therefore the spent lead at the site will not be an issue.

4.0 ENVIRONMENTAL CONSEQUENCES

The Preferred Alternative is to construct a new public shooting range complex on 8.6 acres of mixed grass prairie currently used as a wildlife management area by NGPC at the Cedar Valley WMA. This area will be converted from a general use of public hunting and other types of outdoor recreation to a shooting range facility.

Environmental consequences of the proposed project will be examined in this section to determine whether there would be a significant effect to inform agency decision-making and determine whether preparation of an Environmental Impact Statement (EIS) would be necessary. A determination of "No Significant Impact" will be made if the proposed action will not significantly impact the environment. A determination of "Mitigation Required" will be made if the proposed action could impact the environment and recommended mitigation measures will be identified to reduce the overall impact to the environment so that the resulting impacts would not be significant. If we conclude that there are significant impacts to the environment, an EIS would be required.

4.1 Water

Alternative A – Preferred Alternative

MILCO consulted with the Nebraska Department of Natural Resources (NeDNR) in a letter dated December 6, 2023. Mr. Mike Thompson with the NeDNR responded to this request on December 8, 2023, stating that the NeDNR has reviewed the proposed project and does not identify any issues in relation to jurisdictional dams, floodplain management, registered groundwater wells, stream gauges and surface water rights. A copy of **NeDNR response** is in **Appendix J**.

At the project site, a corrugated metal pipe (CMP) will be installed at the driveway of the parking lot to allow for the surface flow of the ditch that runs parallel to South Mitchell Road to remain free flowing. A CMP will be installed on the southwest end of the rifle range to allow surface flow, to flow from the west to the southeast. The drainage areas have not been and will not be disturbed during the construction of the project, other areas that are disturbed will be reseeded. The vegetation will help prevent lead from migrating off the site into Medicine Creek. Additionally, the site has been designed with dirt berms to prevent runoff water from leaving backstop areas.

Based in information from Chapter 2 of the EPA Best Management Practices for Lead at Outdoor Shooting Ranges manual (Revised June 2005), the proposed project site is at a lower risk of lead migration due to an average annual rainfall of 23.6 inches (National Centers for Environmental

Information National Oceanic and Atmospheric Administration, 2024). A higher risk occurs at sites with average annual rainfall in excess of 40 to 45 inches (EPA, 2005). If the lead management guidelines in the EPA Best Management Practices for Lead at Outdoor Shooting Ranges manual (Revised June 2005) are implemented, the surface and groundwater will also be protected.

Since the proposed project will encompass 8.63 acres, an authorization to discharge under the National Pollutant Discharge Elimination System (NPDES) General NPDES Permit NER210000 should be obtained from the Nebraska Department of Environment and Energy. Under this permit a Construction Storm Water Permit will need to be obtained to ensure appropriate soil and erosion control measures will be employed during the construction process to control the discharge of pollutants from the project site. The following mitigation measures will be carried out to avoid significant impacts to water resources:

(1) Implementation of appropriate soil and erosion control measures.

(2) Implementation of EPA best management practices for lead at outdoor shooting ranges.

(3) Culvert installation under the rifle range to convey surface runoff.

(4) Runoff will be directed through development to the north and away from Medicine Creek.

(5) A construction storm water permit will be prepared and implemented throughout the construction of the proposed project.

Alternative B – No Action – No Significant Impact to water if no action is taken.

4.2 Soils

Alternative A – Preferred Alternative

MILCO consulted with the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) in a letter dated December 6, 2023. Ms. Elizabeth Gray, Soil Scientist with the USDA NRCS office responded to this request on January 1, 2024. A copy of USDA NRCS correspondence is in **Appendix K**. She reviewed impacts to prime farmland within the project area and completed Farmland Conversion Impact Rating Form AD-1006. The combined rating for this proposed project is 125. The Farmland Protection Policy Act states that sites with a rating less than 160 will need no further consideration for protection and no additional evaluation is necessary.

Up to 8.6 acres will be disturbed by the construction work. All the soil required to construct the shooting range will come from the existing soils within the project area. A total of 4,000 cubic yards of topsoil will be removed and stockpiled. A total of 36,000 cubic yards of subsoil will be excavated and compacted to 26,000 cubic yards to construct the embankments for both the rifle and pistol ranges. The stockpiled 4,000 cubic yards of topsoil will be replaced and finish graded.

Lead management guidelines in the EPA Best Management Practices for Lead at Outdoor Shooting Ranges manual (Revised June 2005) will be implemented for the proposed project. Lead management includes the design and use of earthen berms and backstops with natural vegetation to control and contain lead on the range. Lead will be removed and recycled from soils on an as needed basis using a certified contractor. The NGPC will also monitor the pH of the soils and adjust as recommended following the EPA's BMPs.

The planned seed mixes for replanting are a steep slope mix for areas with 4:1 or higher slope, and a low slope mix for areas below that. The steep slope mix is composed of Canada Wildrye, Virginia Wildrye, Western Wheatgrass, Indiangrass, Switchgrass, Big Bluestem, Little bluestem, Sideoats Grama, Tall Dropseed, Purple Prairie Clover or Partridge Pea, Rocky Mountain Bee Plant, Black-eyed Susan, Mexican Red Hat, and Oats/Wheat (wheat in the fall). The low slope mix is composed of Big Bluestem, Indiangrass, Switchgrass, Little Bluestem, Canada Wildrye, Western Wheatgrass, Tall

Dropseed, Green Needlegrass, Sideoats Grama, Partridge Pea, Biennial Evening Primrose, Milkvetch, Bee Balm, Oxeye, Illinois Bundleflower, Roundhead Bushclover, Black-eyed Susan, Ironweed, Common Milkweed, Dotted Gayfeather, Rocky Mountain Bee Plant, and Upright Prairie Coneflower.

While these mixes do contain a few grass species with moderate to high flammability, the wildflowers in the mixes have low flammability ratings and contribute to a patchiness of fuel. These mixes are ecologically appropriate for the area, contributing to prairie restoration, and have the same if not lower fire risk to the surrounding area, especially due to the removal of Easter Red Cedar on the project site. Given the nature of potential fuel, and range fire behavior, this poses a low risk to the structures that will be built on the site, and no elevated fire risk to the greater Wildlife Management Area and the land that surrounds it. The proposed project site will not take place in any floodplains; therefore, no mitigation is requested for floodplain management. With these measures described, the proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact to soils or floodplains if no action is taken.

4.3 Air Quality

Alternative A – Preferred Alternative

The air quality at the proposed project site is not in any non-attainment zones. The use of the proposed project site is for recreational shooting which will only occur within the open hours of the range, 9 am to sunset. Therefore, the proposed project will not change the air attainment zones of the proposed project site.

Alternative B – No Action – No Significant Impact to air quality if no action is taken.

4.4 Topography

Alternative A – Preferred Alternative

The construction has been designed to utilize the existing topography to the maximum extent practicable. However, the crushed limestone walk for the rifle range and the berm for the pistol range does not follow the existing topography. This was necessary because the shooting ranges will be well below the parking lot elevation, but an accessible route is still necessary for ADA compliance. Since the area immediately to the north of the ranges is intended to be an area where soil may be mined to facilitate construction of the berms, the accessible walking path was located to the west along the edge of the mined area and then back east to the shooting lines. That meant that the path itself did not require extra cut or fill. A route for construction and maintenance vehicles is proposed to run alongside the accessible walk for the same reason. Any of the ground disturbances described above will be contained within the 8.6-acre project site.

This alteration of the topography of the area will not significantly alter the character of the preferred site. With these measures described below, the proposed project would not result in a significant impact. The following mitigation measure will be carried out to reduce the overall impact to topography:

(1) Berm slope for pistol range constructed as steep as possible.

(2) Two (2) CMPs will be installed as part of the project to help convey flow across the site and keep flows away from the bermed areas where spent lead will accumulate.

Alternative B – No Action – No Significant Impact to topography if no action is taken.

4.5 Biological Resources

Alternative A - Preferred Alternative

There are no wetlands located within the proposed project site. There are wetlands to the south of the proposed project site that border Medicine Creek, the receiving water of the site. If the EPA's BMPs for Outdoor Shooting Ranges are implemented and followed, spent lead will be contained within the footprint of the shooting ranges and prevented from reaching wetlands. Areas disturbed during construction of the shooting range at the proposed location will be seeded to permanent vegetation suitable for mowing and lead reclamation. Vegetation, once established, will not be disturbed beyond normal operation and maintenance activities, such as lead reclamation, to impact areas of the back berms of the shooting bays. With these measures described, the proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact to biological resources if no action is taken.

4.6 Wildlife

Alternative A – Preferred Alternative

The proposed project would not result in a significant impact to wildlife at the preferred project site since the plant community will be re-established and maintained as wildlife habitat. The result would be a minor effect to wildlife since areas of disturbance are limited to shooting lanes, shelters, and parking lot. Review was based on of the project description, maps, and aerial photographs. Additional adherence to the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d), enacted in 1940, prohibits anyone from taking or disturbing bald or golden eagles, their nests, eggs, or parts without a permit. "Take" includes actions like killing, capturing, or disturbing eagles, and "disturb" means causing injury, reducing productivity, or leading to nest abandonment (50 CFR 22.6) is planned. In addition, the Migratory Bird Treaty Act (MBTA; 16 U.S.C. 703–712) prohibits the unauthorized take—such as killing, capture, or other harm—of protected migratory bird species and their nests will be implemented. Both Acts have been analyzed and the proposed project would not result in a significant impact to wildlife, including eagles and migratory birds.

Alternative B – No Action – No Significant Impact to wildlife if no action is taken.

4.6.1 Fish and Aquatic Species

Alternative A – Preferred Alternative

No fish or other aquatic species are present within the boundaries of the proposed project site since there is not a suitable habitat for fish or other aquatic species at the site. Medicine Creek is approximately 350 feet southeast of the proposed project site and is the receiving water for runoff during high flow events in the area. High flow events in the general area would have a low likelihood of flooding the proposed project site, as it is located in Zone X, an area of minimal flood hazard, with 0.2% annual chance of flood hazard as outlined in **Appendix E**.

The implementation of prescribed grading of the project site per the EPA's lead BMPs will ensure that spent lead will be contained within the footprint of the shooting ranges and prevented from reaching a waterway. Therefore, this project will result in no significant impacts to fish and other aquatic species in Medicine Creek.

Alternative B – No Action – No Significant Impact to fish and aquatic species if no action taken.

4.6.2 Threatened and Endangered Species

Alternative A – Preferred Alternative

Jeff Rawlinson with NGPC consulted the Nebraska Game and Parks for information concerning a review for the project's potential impacts to endangered and threatened species. In a letter dated October 21, 2020, the NGPC identified that the proposed project may impact threatened and endangered species (**Appendix L**).

MILCO further reviewed the CERT report from December 7, 2023, that identified state-listed species. The letter identified the ABB and whooping cranes, and swift fox. An updated CERT report was also completed December 30, 2025. The CERT reports are located in **Appendix G.** Due to the reclassification of the ABB as federally and state listed threatened, the project was re-evaluated by NGPC and comments provided by letter on March 20, 2024 as well as January 12, 2026. A copy of these letters is available in Appendix L.

The proposed project would not result in a significant impact. MILCO also consulted with the Service in a letter dated December 6, 2023 (**Appendix L**). A response letter dated December 7, 2023, from the USFWS Nebraska Ecological Services Field Office, stated there are seven (7) federally listed threatened, endangered and/or candidate species that may be impacted by the proposed project.

The following is a list of the identified species:

- Northern long eared bat (endangered),
- Tricolored bat (proposed endangered),
- Piping plover (threatened),
- Whooping crane (endangered),
- Pallid sturgeon (endangered),
- American burying beetle (threatened) and;
- Monarch butterfly (candidate)

There does not appear to be suitable habitat for swift fox and whooping crane within the proposed project area. Based on the information provided in **Appendix L**, the proposed project "May Affect, but is Not Likely to Adversely Affect" northern long-eared bat and American burying beetle.

The **Appendix L** states that due to the degraded nature of any potential habitat within the proposed project area and its location near the western edge of the species' Loess Canyons range, incidental "take" of ABB is not reasonably certain to occur, and no mitigation measures are proposed and acknowledge no impacts are anticipated on all other state listed endangered or threatened species. Details of how the seven federally protected species and critical habitats have been evaluated are described below:

Northern Long-Eared Bat/Tricolored Bat

Project plans include the removal of trees. No lighting is proposed.

Based on mitigation measures outlined by the NGPC in the CERT, the proposed project would not result in a significant impact to the Northern Long Eared Bat or the Tricolored bat, subject to the implementation of the following conservation measure:

- No removal of suitable trees or roosting structures between May 15 and July 31 (maternity roosting season).

Alternative B – No Action – No Significant Impact if no action is taken.

Piping Plover

Since the project site provides no suitable habitat for the piping plover, the proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact if no action is taken.

Whooping Crane

NGPC, in letters dated October 20, 2020 and March 20, 2024, reviewed the project for effects on the whooping crane determining that suitable habitat was lacking, therefore, the project will have no significant impact to the species. The letter is found in Appendix L. Conditions at the site have not changed since 2020 and the documentation of critical habitat for whooping cranes has not changed since 1978 (Federal Register, 1978 and U.S. Fish & Wildlife Service, 2024). Therefore, the proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact if no action is taken.

Pallid Sturgeon

Since there is no surface water at the project site, the proposed project site does not provide suitable habitat for the pallid sturgeon. The proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact if no action is taken.

American Burying Beetle

The site may have suitable habitat for the ABB. As discussed above, NGPC has determined due to the degraded nature of any potential habitat and the project location's proximity to the western edge of the species' Loess Canyons range, incidental "take" of ABB is not reasonably certain to occur on this project. Therefore, the proposed project would not result in a significant impact.

Alternative B – No Action – No Significant Impact if no action is taken.

Swift Fox

NGPC, in letters dated October 20, 2020 and March 20, 2024 reviewed the project for effects on the swift fox, and based on the lack suitable habitat determined, the proposed project would not result in a significant impact. The letter is found in **Appendix L.**

Alternative B – No Action – No Significant Impact if no action is taken.

Monarch Butterfly

The monarch butterfly is listed as a candidate species under the Endangered Species Act. The project site contains potential habitat for the monarch butterfly. The following measures described are proposed to minimize potential impacts to the species, the proposed project would not result in a significant impact with adherence to these measures:

1. Prohibition of the use of herbicides or insecticides within project boundaries or surrounding areas where herbicides of pesticides would drift into the project site.
2. Preservation of milkweed, Indian hemp dogbane, lilac and other favorable species within the project.
3. Implement "Actions and Opportunities on State-Owned Properties" in NGPC's Nebraska Monarch and Pollinator Conservation Plan on the project site with all measures that are practicable.

With the application of these conservation measures, the determination of the project's effect on the monarch butterfly is "may affect, but not likely to adversely affect".

Alternative B – No Action – No Significant Impact if no action is taken.

4.7 Historic and Cultural Resources

Alternative A – Preferred Alternative

Jeff Rawlinson with NGPC consulted with the NeSHPO in 2020. History Nebraska responded to Mr. Rawlinson's request in a letter dated December 9, 2020, with a determination of “no historic properties affected” and the finding of the Nebraska State Archeology Office finding of no historic properties present. Therefore, the project will result in no effects to historic properties. The SHPO letter Nebraska State Archeology Office report are found under **Appendix H.** New consultation with NeSHPO was not conducted as part to this assessment, as it was determined there were no additional sites listed based on the website review, outlined in **Section 3.8.** The proposed project will not adversely affect any historical properties.

The USFWS initiated a written request on August 21, 2025 for cultural resource consultation to the Indian Nations listed in **Section 5.2**. The proposed project was described and a copy of the location figure and site plan drawing was provided. Any comments received by Tribes regarding adverse effects to cultural resources in accordance with Section 106 of the National Preservation Act will be fully considered by the Service prior to any final decisions being made, see **Appendix M**.

4.8 Land Use

Alternative A – Preferred Alternative

MILCO consulted with the National Parks Service Midwest Regional Office (MWRO) in a letter dated December 6, 2023. The MWRO Compliance Team responded via email to this request on January 5, 2024, stating that this proposed project will not impact any National Park Service unit or related area.

A copy of this response letter is in **Appendix N**. The Nebraska State Historical Society conducted a project survey in November 2020, which includes the pedestrian survey and subsurface tests that constitute a class III survey. There were no tribal cultural specialists present. A response to inquiry questions is also included in **Appendix H**. A general history of the land is provided in **Section 3.9**.

4.9 Socioeconomic Conditions

Alternative A – Preferred Alternative

Public meetings have been held to determine the need and want of the proposed project. There has been no opposition noted for this project. The NGPC has determined that due to the number of big game hunters, there is a need for additional shooting ranges to benefit these hunters. This proposed project is to have a positive impact on the local economy through the increased sales of goods and services to the users of the shooting range. Common goods purchased by shooting range users include fuel, food, lodging and retail goods. This would increase the sales tax revenues to Wellfleet in Lincoln County, Nebraska.

Alternative B – No Action – No Significant Impact to the surrounding community of Wellfleet.

4.10 Noise

Alternative A – Preferred Alternative

There will be a temporary increase in noise during the construction of the improvements. Target shooting already occurs on the project site, but the shooting range is expected to result in a minor increase in the noise level. Although shots will be audible, increased noise levels are not expected to pose a threat or disturbance to the nearby residents.

The NGPC has designed the proposed project with the following mitigation techniques including the orientation of the range, 10- to 20-foot-tall earthen berms around the shooting bays, and strategic placement of the ranges within the existing terrain. The shooting ranges have been situated at a lower elevation. Overhead shade structures are also proposed which will buffer the noise coming from the shooting range.

The NGPC does not believe that the shooting ranges will be used all day on every day of the week and will implement hours of operation to ensure that shooting activities are conducted at ideal times. There are limited studies on the effects of shooting noise on wildlife. If whooping cranes or other threatened or endangered species are noted in the area, then shooting activities will be ceased until it is safe to resume these activities.

Alternative B – No Action – No Significant Impact to noise if no action is taken.

4.11 Reasonably Foreseeable Impacts

Alternative A – Preferred Alternative

NGPC currently operates and maintains seven (7) other shooting ranges throughout Nebraska. The EPA's BMPs will be implemented and followed for the proposed Cedar Valley WMA shooting range. The NGPC has designed the proposed project to lessen the impacts to the public and environment. As with other outdoor shooting ranges that have been constructed, if the EPA's BMPs are impended and followed, the proposed project will not have a negative impact from the construction and operation of the shooting range. Based on the past, present, and foreseeable future impacts of NGPC's shooting ranges, there is no significant impact of NGPC's shooting ranges on the environment.

Alternative B – No Action – No Significant Impact to cumulative impacts if no action is taken.

5.0 COORDINATION AND CONSULTATION

5.1 NGPC Agency Consultation

Mr. Jeff Rawlinson with the NGPC provided MILCO with the following agency consultation prior to MILCO's involvement with this project.

1) Nebraska State Historical Society
2) Nebraska Department of Natural Resources
3) U.S. Fish and Wildlife Service, Office of Conservation Investment, Mountain-Prairie Region
4) Nebraska Game and Parks Commission

MILCO also consulted with the following agencies about the project:

1) Middle Republican NRD
2) Nebraska Division of Aeronautics
3) Nebraska Department of Environment and Energy
4) Nebraska State Fire Marshal
5) Lincoln County Commissioners
6) Nebraska Game and Parks Commission (CERT)
7) U.S. Fish and Wildlife Service, Office of Conservation Investment, Mountain-Prairie Region
8) Nebraska Department of Natural Resources

5.2 USFWS Agency Consultation

The USFWS is the lead Federal agency responsible for compliance with the National Environmental Policy Act of 1969 (NEPA), as amended and as it applies to the Pittman-Roberson Wildlife Restoration Act (16 U.S.C. Sec. 669 et. Seq.). Accordingly, the following Agencies and Tribes were contacted formally for consultation regarding the proposed project:

Other Federal Agencies:

1) National Park Service - Midwest Region
2) U.S. Army Corps of Engineers
3) Natural Resources Conservation Service

Indian Nations:

1) Pawnee Nation of Oklahoma
2) Apache Tribe of Oklahoma
3) Northern Arapaho Tribe of the Wind River Reservation, South Dakota
4) Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota
5) Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota
6) Lower Brule Sioux Tribe of the Lower Brule Reservation, South Dakota
7) Oglala Sioux Tribe
8) Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota
9) Santee Sioux Nation, Nebraska
10) Standing Rock Sioux Tribe of North and South Dakota
11) Cheyenne and Arapaho Tribes, Oklahoma
12) Northern Cheyenne Tribe of the Northern
13) Prairie Island Indian Community of Minnesota

14) Shakopee Mdeqakanton Sioux Community

15) Assiniboine and Sioux Tribes

16) Sisseton Wahpeton Oyate of the Lake Traverse Reservation

17) Yankton Sioux Tribe

18) Mescalero Apache Tribe

19) Jicarilla Apache Nation

6.0 INVOLVEMENT PROCESS

To date, the NGPC has held two (2) public meetings April 12 and 13, 2021. April 12 was in person at Wellfleet with an attendance of three (3). All were adjacent landowners to the Cedar Valley WMA, and all were in favor of the proposed project. Comments by the attendees suggested the range would be a good addition for local hunters and the range would cut down on random shooting directions. The second meeting was held online and there were no reported participants.

7.0 PREPARERS

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Rachel Carlson, NGPC

Samantha Cooke, Fish & Wildlife Biologist, USFWS

Ted LaGrange, Wetland Program Manager, NGPC

Scott Aden, Wildlife Biologist II, NGPC

Keith Tillotson, Environmental Scientist, MILCO

Elysha W. Hartman, Senior Environmental Scientist, MILCO

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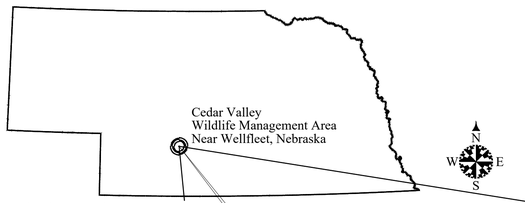
Appendix A

Nebraska Game and Parks Range Development Plan for the Cedar Valley Wildlife Management Area
Nebraska Game and Parks Stormwater Pollution Prevention Plan
Nebraska Game and Parks Seeding and Planting Plan

NEBRASKA GAME PARKS

RANGE DEVELOPMENT
CEDAR VALLEY WILDLIFE MANAGEMENT AREA



LOCATION MAP
NO SCALE

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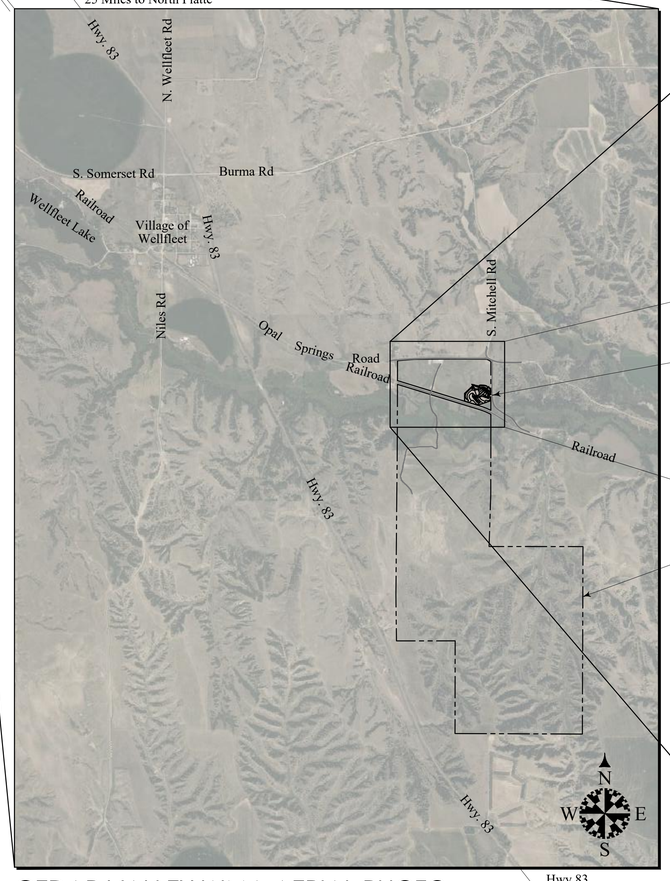
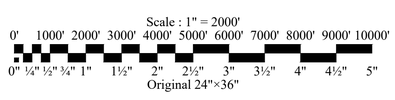
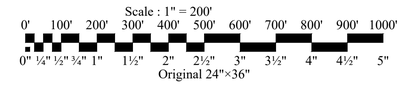


CEDAR VALLEY WMA AERIAL PHOTO
SCALE : 1" = 2000'



NORTH END OF CEDAR VALLEY WMA AERIAL PHOTO
SCALE : 1" = 200'



BASE BID EST. QUANTITIES

ITEM	QTY.	UNITS
Demo Barbed Wire Fence	680	LF
Demo Wood Rail Fence	275	LF
Salvage Gravel Surfacing	900	SY
Grub & Pile Stumps	1	LS
Strip Topsoil	4,000	CY
Subsoil Excavation	36,000	CY
Subsoil Embankment Compacted in Place	26,000	CY
Replace & Finish Grade Topsoil	4000	CY
36-in CMP	60	LF
36-in CMP Flared End Sections	2	EA
12-in CMP (By Lincoln County)	50	LF
12-in CMP Flared End Sections (By Lincoln Co.)	2	EA
6"-thick Washed Gravel Surfacing	120	TN
5"-thick ¼" Crusher-run Limestone Surfacing	70	TN
Seeding, Low Slope Mix	4.3	AC
Seeding, Steep Slope Mix	3.2	AC
Erosion Control Blanket, Moderate Slope	14,300	SY
Erosion Control Blanket, Steep Slope	1,200	SY
Straw Cover	8.4	TN

ALTERNATE BID No. 1
FENCE & GATES
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Barbed Wire Fence	2,110	LF
24-ft 2-leaf Vehicle Swing Gates	3	EA
4-ft 1-leaf Pedestrian Swing Gates	2	EA
20-ft Wire Vehicle Gates	3	EA
"Danger - Shooting Range" Signs	14	EA

ALTERNATE BID No. 2
PCC PARKING, WALK & STAIRS
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
6-in PCC Accessible Parking Pad w/Thick Edge	36	SY
5-ft wide, 6-in thick PCC Walks	130	SY
PCC Stair Flights	3	EA
Accessible Parking Sign & Post	1	EA
Accessible Parking Pad Striping	1	LS
Wheelstops	1	EA

ALTERNATE BID No. 3
BENCHES
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Shooting Benches	4	EA
Tables	2	EA
Spectator Benches	2	EA

ALTERNATE BID No. 4
SHELTERS
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Install Steel Benches & Tables	8	EA
PCC Floor Slabs	2	EA
Shelters	2	EA

APPROVED

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

DEPUTY DIRECTOR _____ DATE _____

DIVISION ADMINISTRATOR _____ DATE _____

SHEET NUMBER 1 OF 16

PROJECT: Range Development

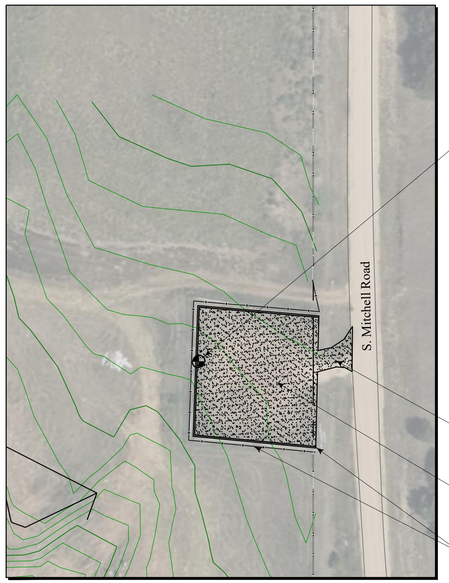
LOCATION: Cedar Valley Wildlife Management Area

PR: 21-196

DRAWING CONTAINS: Location Map, Cedar Valley WMA Aerial Photos, Estimated Quantities, Index of Drawings

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024



Existing Pile of Dead Trees
Deposit grubbed stumps in this pile.

Move tree pile to accommodate fence.
(Part of Base Bid)

Proposed Unimproved Trail
from Parking to RR Crossing
(By Others)

Control Point
1,447,234.51 N
331,275.96 E
EL. 2,742.81 ASL

Shelter for Rifle Shooting Line
(Part of Alternate Bid No. 4)

Shooting Line

100-yd Rifle Range
Two 10-ft Wide Lanes

Barbed Wire Fence with
Wire Vehicle Gate
(Part of Alternate Bid No. 1)

5-ft Wide Crushed
Limestone Walk to Targets
¼" Crusher-run Limestone

If additional fill earth
is required, it may be
obtained from the north
& west sides of this swale.

Remove existing
access to
county road.

Salvage existing gravel.
Re-use it for base under
new parking lot surfacing.

Demo existing barbed
wire and wood rail fences.

DEMOLITION PLAN
SCALE : 1" = 50'

NOTE - STUMP REMOVAL
Numerous stumps, mostly 6" to 18" in diameter, exist in the project area, especially toward the bottom of the existing draw. It is the responsibility of the Contractor to grub them out and remove them from the construction site.

SITE PLAN
SCALE : 1" = 50'

Scale : 1" = 50'
0' 25' 50' 75' 100' 125' 150' 175' 200'
0" ½" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

N W E S

Know what's **below.** **Call** before you dig.

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

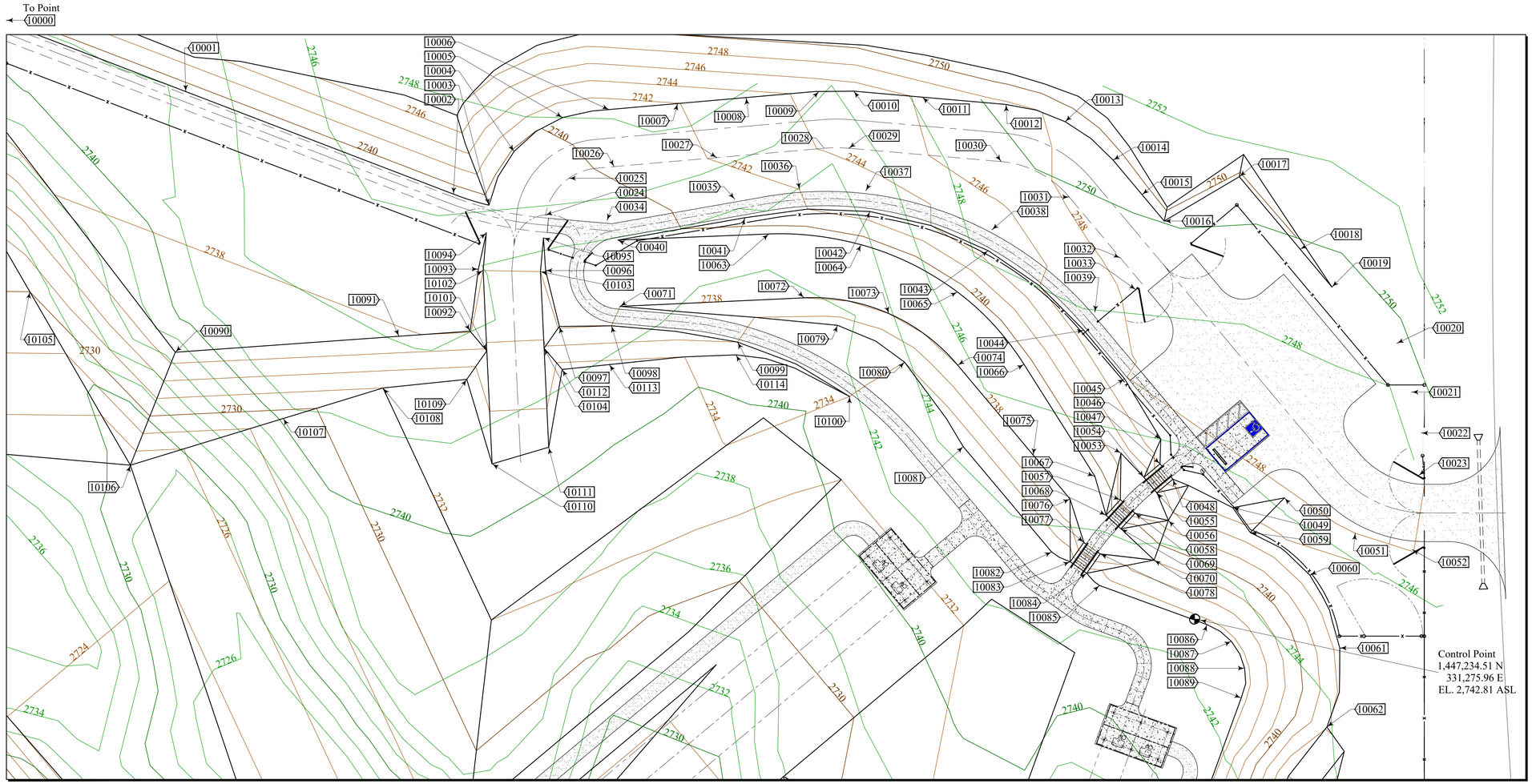
SHEET NUMBER 2 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: -
Demolition Plan
Site Plan

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



GRADING PLAN - NORTH

SCALE : 1" = 20'

Scale : 1" = 20'-0"

0' 10' 20' 30' 40' 50' 60' 70' 80'

0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4"

Original 24"×36"

N W E S

GRADING POINTS – NORTH

Point No.	Description	Northing FT	Easting FT	Elevation FT
10000	Toe	331,495.89	1,446,789.18	2739.00
10001	Toe	331,460.10	1,446,882.56	2739.00
10002	Toe	331,424.32	1,446,975.94	2739.00
10003	Toe	331,420.43	1,446,988.33	2739.00
10004	Toe	331,439.17	1,446,997.07	2739.70
10005	Toe	331,451.05	1,447,014.03	2740.20
10006	Toe	331,453.83	1,447,030.21	2740.70
10007	Toe	331,455.92	1,447,054.12	2741.95
10008	Toe	331,458.02	1,447,078.02	2743.20
10009	Toe	331,460.13	1,447,103.44	2744.51
10010	Toe	331,460.24	1,447,115.63	2744.95
10011	Toe	331,458.15	1,447,139.54	2746.20
10012	Toe	331,455.59	1,447,168.72	2747.64
10013	Toe	331,449.59	1,447,189.33	2748.20
10014	Toe	331,436.16	1,447,206.06	2748.70
10015	Toe	331,424.11	1,447,216.17	2748.95
10016	Toe	331,414.92	1,447,223.88	2749.04
10017	Toe	331,430.37	1,447,250.08	2749.60
10018	Toe	331,405.09	1,447,271.29	2749.43
10019	Runout	331,391.85	1,447,282.40	2749.34
10020	Edge Fill	331,372.22	1,447,305.04	2749.27
10021	Crest	331,355.20	1,447,310.14	2749.05
10022	Crest	331,340.90	1,447,313.57	2748.86
10023	Crest	331,326.10	1,447,312.65	2748.61
10024	Edge Trail	331,417.01	1,447,008.05	2739.00
10025	Edge Trail	331,429.84	1,447,016.24	2739.55
10026	Edge Trail	331,433.91	1,447,031.95	2740.30
10027	Edge Trail	331,437.05	1,447,067.81	2742.18
10028	Edge Trail	331,440.31	1,447,105.17	2744.11
10029	Edge Trail	331,440.31	1,447,113.89	2744.55
10030	Edge Trail	331,435.67	1,447,166.98	2747.24
10031	Edge Trail	331,423.30	1,447,190.74	2748.30
10032	Edge Trail	331,402.06	1,447,208.56	2748.66
10033	Edge Trail	331,390.94	1,447,213.98	2748.54
10034	Walk Should	331,415.11	1,447,029.55	2739.00
10035	Walk Should	331,422.55	1,447,074.07	2741.00
10036	Walk Should	331,425.91	1,447,096.66	2742.00
10037	Walk Should	331,425.47	1,447,119.78	2743.00
10038	Walk Should	331,411.85	1,447,163.76	2745.00
10039	Walk Should	331,383.06	1,447,199.69	2747.00
10040	Runout	331,408.25	1,447,033.30	2739.00
10041	Crest	331,416.07	1,447,077.62	2741.00
10042	Crest	331,418.23	1,447,121.26	2743.00

GRADING POINTS – NORTH (Continued)

Point No.	Description	Northing FT	Easting FT	Elevation FT
10043	Crest	331,404.57	1,447,162.49	2745.00
10044	Crest	331,376.73	1,447,195.87	2747.00
10045	Crest	331,359.82	1,447,210.06	2747.98
10046	Crest	331,338.76	1,447,222.69	2747.78
10047	Crest	331,330.15	1,447,222.43	2747.67
10048	Crest	331,324.79	1,447,226.93	2747.67
10049	Crest	331,314.87	1,447,247.78	2747.68
10050	Crest	331,318.26	1,447,265.82	2747.94
10051	Crest	331,305.99	1,447,290.53	2748.02
10052	Crest	331,300.20	1,447,310.38	2748.16
10053	Toe/Crest	331,333.88	1,447,208.80	2743.00
10054	Toe	331,325.43	1,447,216.81	2743.00
10055	Toe	331,320.07	1,447,221.31	2743.00
10056	Toe/Crest	331,310.42	1,447,225.35	2743.00
10057	Crest	331,317.63	1,447,208.57	2742.87
10058	Crest	331,312.90	1,447,213.73	2742.87
10059	Toe/Crest	331,306.17	1,447,253.93	2745.21
10060	Crest	331,291.29	1,447,274.69	2745.32
10061	Crest	331,265.86	1,447,285.13	2744.70
10062	Crest	331,238.30	1,447,280.65	2743.91
10063	Toe	331,410.40	1,447,085.94	2739.00
10064	Toe	331,406.65	1,447,118.11	2739.00
10065	Toe	331,390.14	1,447,151.73	2739.00
10066	Toe	331,364.88	1,447,174.97	2739.00
10067	Toe	331,325.84	1,447,199.69	2739.00
10068	Toe	331,312.22	1,447,203.61	2738.20
10069	Toe	331,307.49	1,447,208.77	2738.20
10070	Toe/Crest	331,296.57	1,447,220.38	2738.10
10071	Runout	331,385.12	1,447,034.05	2738.00
10072	Crest	331,388.10	1,447,098.22	2738.00
10073	Crest	331,382.62	1,447,127.78	2738.00
10074	Crest	331,364.60	1,447,151.85	2738.00
10075	Crest	331,333.22	1,447,178.18	2738.00
10076	Crest	331,317.90	1,447,191.03	2738.00
10077	Crest	331,302.73	1,447,195.84	2738.05
10078	Crest	331,298.72	1,447,201.58	2738.05
10079	Toe	331,378.52	1,447,109.90	2735.00
10080	Toe	331,365.65	1,447,133.31	2734.00
10081	Toe	331,336.16	1,447,153.78	2732.40
10082	Toe	331,299.39	1,447,184.63	2732.40
10083	Toe	331,295.97	1,447,191.11	2732.80
10084	Toe	331,291.96	1,447,196.84	2732.80
10085	Toe	331,287.69	1,447,201.34	2733.00

GRADING POINTS – NORTH (Concluded)

Point No.	Description	Northing FT	Easting FT	Elevation FT
10086	Toe	331,274.06	1,447,238.79	2733.40
10087	Toe	331,268.18	1,447,247.33	2733.47
10088	Toe	331,258.79	1,447,251.95	2733.48
10089	Toe	331,248.43	1,447,250.74	2733.40
10090	Crest	331,369.10	1,446,878.91	2737.27
10091	Crest	331,374.72	1,446,956.93	2737.94
10092	Crest	331,376.46	1,446,981.73	2738.13
10093	Crest	331,398.13	1,446,984.65	2738.57
10094	Runout	331,410.77	1,446,987.43	2738.84
10095	Runout	331,409.03	1,447,007.35	2738.84
10096	Crest	331,397.63	1,447,008.09	2738.61
10097	Crest	331,378.11	1,447,012.90	2738.20
10098	Crest	331,378.35	1,447,031.09	2738.00
10099	Crest	331,372.67	1,447,075.03	2736.00
10100	Runout	331,353.68	1,447,114.09	2734.00
10101	Toe/Crest	331,369.59	1,446,987.58	2735.76
10102	Toe	331,397.65	1,446,986.30	2738.00
10103	Toe	331,397.24	1,447,006.30	2738.00
10104	Toe/Crest	331,370.52	1,447,007.56	2735.76
10105	Toe	331,390.23	1,446,828.17	2730.00
10106	Toe	331,329.69	1,446,863.25	2724.40
10107	Toe	331,346.00	1,446,916.59	2729.00
10108	Toe	331,356.62	1,446,951.36	2732.00
10109	Toe	331,359.65	1,446,980.60	2732.56
10110	Runout	331,330.14	1,446,989.42	2732.47
10111	Runout	331,335.95	1,447,009.17	2732.87
10112	Toe	331,363.10	1,447,013.88	2733.19
10113	Toe	331,364.80	1,447,030.30	2733.50
10114	Toe	331,368.20	1,447,074.51	2734.50

Know what's **below.** **Call** before you dig.

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

SHEET NUMBER 3 OF 16

PROJECT: Range Development

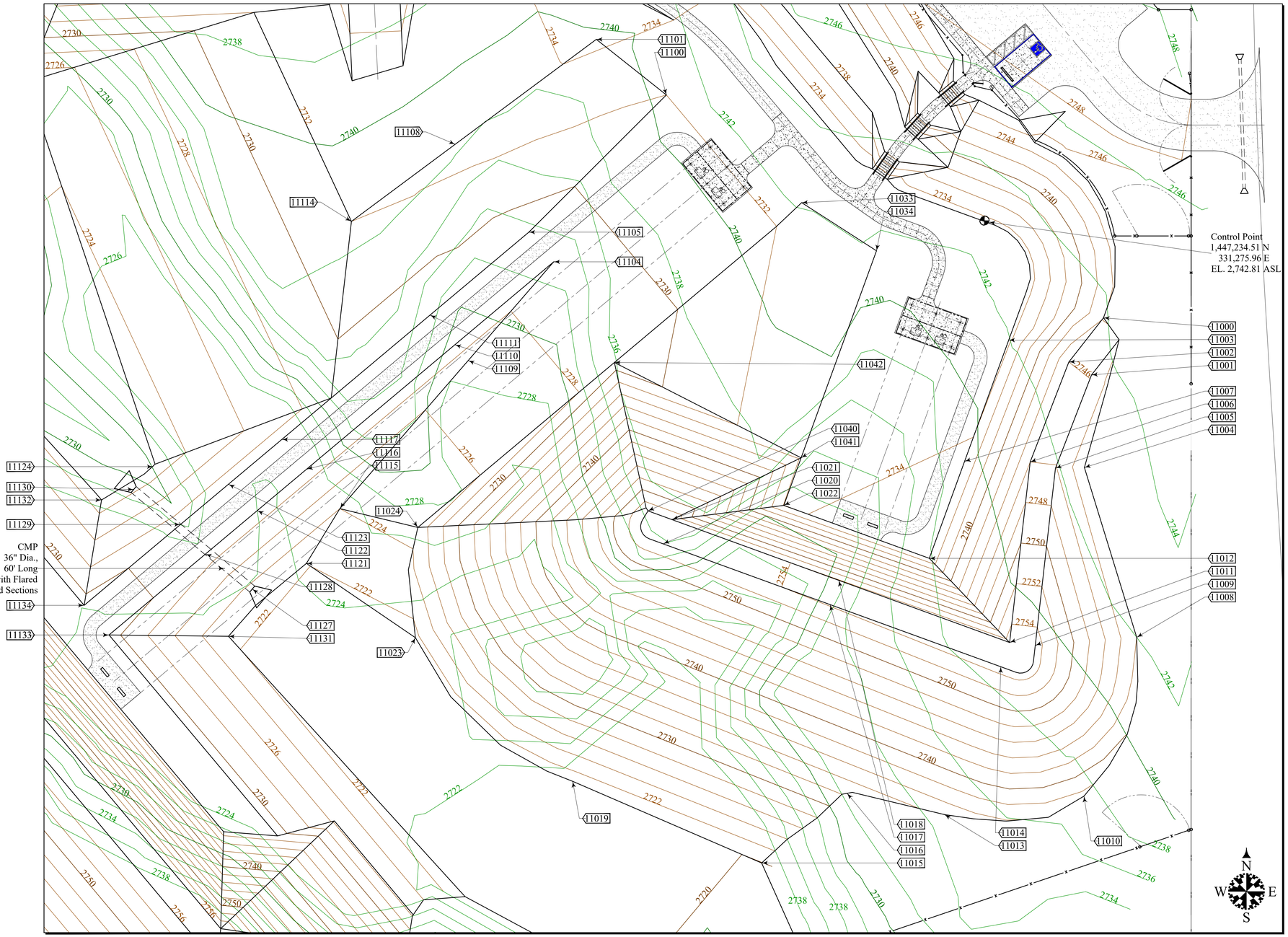
LOCATION: Cedar Valley Wildlife Management Area

PR: 21-196

DRAWING CONTAINS: -
Grading Plan - North
Grading Point Table - North

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024



GRADING PLAN - CENTER & EAST

SCALE : 1" = 20'

GRADING POINTS – CENTER

Point No.	Description	Northing FT	Easting FT	Elevation FT
11100	Toe	331,324.64	1,447,111.23	2732.00
11101	Toe	331,346.19	1,447,084.07	2734.32
11104	Runout	331,259.99	1,447,067.57	2729.00
11105	Toe	331,271.48	1,447,057.93	2729.00
11108	Toe	331,305.52	1,447,029.36	2732.98
11109	Toe	331,221.72	1,447,034.41	2727.00
11110	Crest	331,227.85	1,447,029.27	2729.00
11111	Toe	331,239.34	1,447,019.63	2729.00
11114	Toe	331,275.61	1,446,989.14	2732.00
11115	Toe	331,164.32	1,446,984.67	2724.00
11116	Crest	331,179.64	1,446,971.82	2729.00
11117	Crest	331,191.13	1,446,962.17	2729.00
11121	Toe	331,143.09	1,446,971.71	2722.02
11122	Crest	331,163.57	1,446,952.66	2729.00
11123	Toe/Crest	331,173.78	1,446,941.49	2729.00
11124	Toe	331,180.59	1,446,912.27	2723.00
11127	Invert	331,133.16	1,446,950.72	2722.14
11128	Crest	331,146.70	1,446,932.56	2729.00
11129	Crest	331,158.19	1,446,922.91	2729.00
11130	Invert	331,171.73	1,446,904.75	2722.89
11131	Toe	331,114.85	1,446,941.50	2722.07
11132	Toe	331,167.68	1,446,892.30	2723.00
11133	Crest	331,115.36	1,446,895.21	2730.85
11134	Crest	331,126.85	1,446,885.57	2730.85

GRADING POINTS – EAST

Point No.	Description	Northing FT	Easting FT	Elevation FT
11000	Runout	331,229.80	1,447,286.69	2744.19
11001	Crest	331,216.15	1,447,276.00	2745.86
11002	Crest	331,221.15	1,447,267.21	2746.00
11003	Toe	331,229.63	1,447,243.90	2733.60
11004	Toe	331,180.25	1,447,273.24	2742.54
11005	Crest	331,180.00	1,447,262.02	2746.16
11006	Crest	331,182.41	1,447,252.23	2746.00
11007	Toe	331,182.65	1,447,226.80	2734.10
11008	Toe	331,114.42	1,447,293.51	2742.00
11009	Crest	331,111.31	1,447,254.20	2754.90
11010	Toe	331,052.90	1,447,273.07	2737.35
11011	Crest	331,112.44	1,447,244.26	2754.90
11012	Toe	331,145.06	1,447,213.12	2734.50
11013	Toe	331,045.76	1,447,219.01	2734.47
11014	Crest	331,103.05	1,447,240.84	2754.90
11015	Toe	331,027.00	1,447,148.15	2719.92
11016	Toe	331,054.00	1,447,181.26	2732.37
11017	Crest	331,127.13	1,447,174.67	2754.20
11018	Crest	331,136.53	1,447,178.09	2754.20
11019	Toe	331,058.63	1,447,074.92	2720.68
11020	Crest	331,150.67	1,447,109.99	2753.51
11021	Crest	331,160.07	1,447,113.41	2753.51
11022	Toe	331,165.58	1,447,156.74	2733.90
11023	Toe	331,114.32	1,447,013.94	2721.51
11024	Toe	331,157.04	1,447,014.89	2724.74
11033	Toe	331,282.91	1,447,163.65	2732.13
11034	Toe	331,264.25	1,447,192.65	2732.85
11040	Crest	331,163.45	1,447,104.11	2753.51
11041	Toe	331,184.01	1,447,163.45	2733.70
11042	Toe	331,220.97	1,447,091.08	2728.72

Scale : 1" = 20'-0"
0' 10' 20' 30' 40' 50' 60' 70' 80'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

Know what's **below.**
Call before you dig.

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

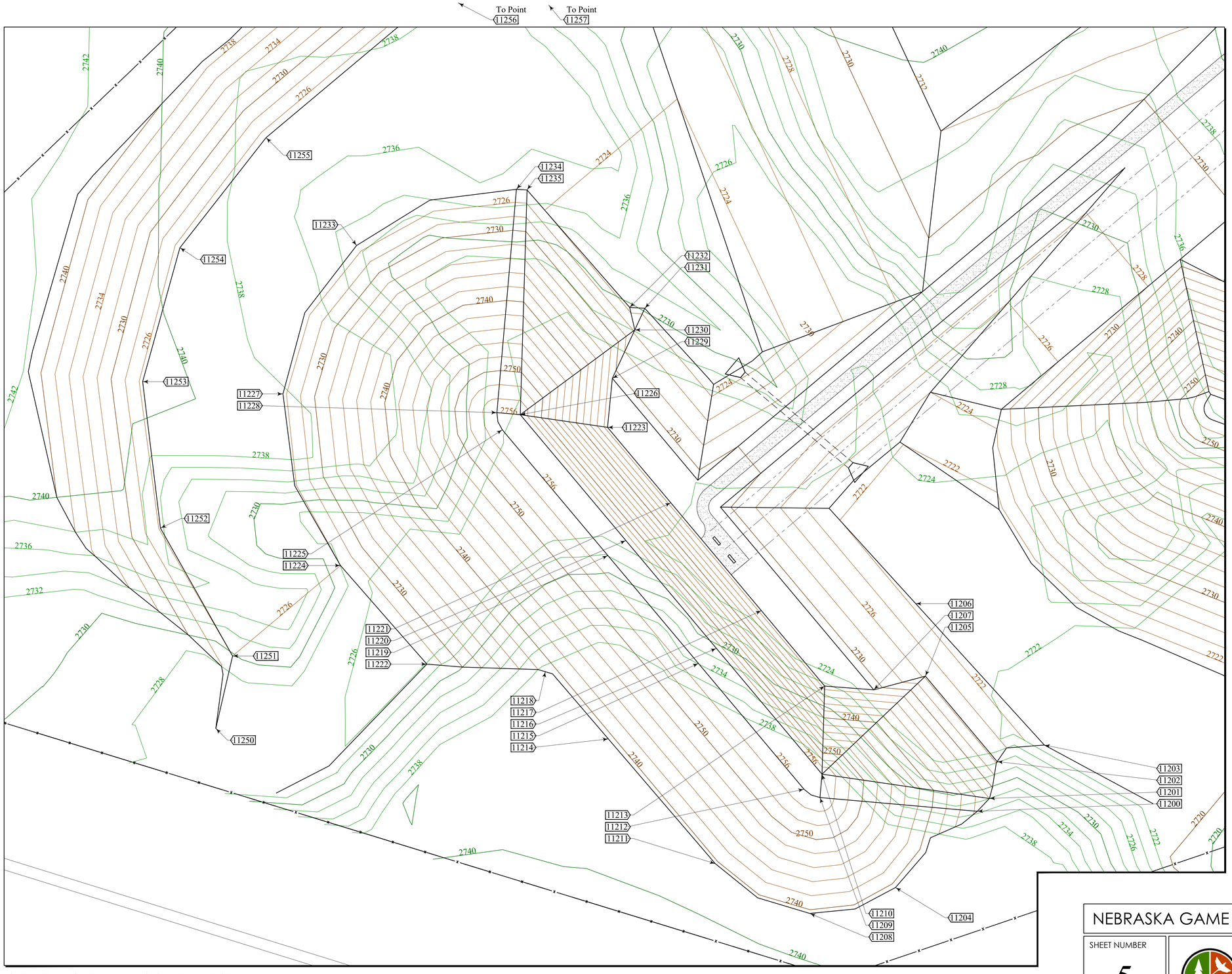
SHEET NUMBER 4 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: - Grading Plan - Center & East, Grading Point Table - Center, Grading Point Table - East

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



GRADING PLAN - SOUTHWEST
SCALE : 1" = 20'

GRADING POINTS – SOUTHWEST

Point No.	*Description*	*Northing FT*	*Easting FT*	*Elevation FT*
11200	Toe	330,985.73	1,447,004.64	2733.57
11201	Toe	330,991.19	1,447,009.81	2732.02
11202	Toe	331,006.91	1,447,013.11	2725.70
11203	Toe	331,013.96	1,447,033.21	2720.72
11204	Toe	330,953.24	1,446,969.80	2739.31
11205	Toe	331,043.32	1,446,982.55	2725.70
11206	Toe	331,074.23	1,446,978.42	2721.52
11207	Toe/Crest	331,037.49	1,446,960.55	2730.85
11208	Toe	330,942.19	1,446,933.30	2739.47
11209	Crest	330,991.59	1,446,937.62	2756.00
11210	Crest	331,001.56	1,446,938.49	2756.00
11211	Toe	330,963.40	1,446,893.02	2739.55
11212	Crest	330,995.13	1,446,930.83	2756.00
11213	Toe	331,039.10	1,446,939.62	2731.00
11214	Toe	331,016.56	1,446,847.47	2739.31
11215	Crest	331,048.75	1,446,885.83	2756.00
11216	Crest	331,055.18	1,446,893.49	2756.00
11217	Toe	331,071.25	1,446,912.65	2731.00
11218	Toe	331,045.22	1,446,820.61	2738.59
11219	Crest	331,094.71	1,446,847.27	2756.00
11220	Crest	331,101.14	1,446,854.93	2756.00
11221	Toe	331,117.21	1,446,874.08	2731.00
11222	Toe	331,048.45	1,446,770.14	2726.39
11223	Toe	331,149.36	1,446,847.10	2731.00
11224	Toe	331,090.49	1,446,733.33	2726.00
11225	Crest	331,148.34	1,446,802.27	2756.00
11226	Crest	331,154.76	1,446,809.93	2756.00
11227	Toe	331,163.61	1,446,708.82	2725.50
11228	Crest	331,155.64	1,446,799.97	2756.00
11229	Toe/Crest	331,170.25	1,446,849.16	2730.85
11230	Toe/Crest	331,190.90	1,446,858.72	2725.70
11231	Toe	331,200.10	1,446,862.98	2723.41
11232	Toe	331,200.49	1,446,856.54	2723.45
11233	Toe	331,226.88	1,446,740.19	2725.00
11234	Toe	331,250.83	1,446,808.30	2724.15
11235	Toe	331,250.53	1,446,812.82	2724.11
11250	Runout	331,021.05	1,446,680.22	2726.74
11251	Toe	331,051.92	1,446,687.37	2726.00
11252	Toe	331,106.43	1,446,656.62	2725.75
11253	Toe	331,168.84	1,446,649.05	2725.50
11254	Toe	331,225.94	1,446,664.92	2725.25
11255	Toe	331,272.84	1,446,701.62	2725.00
11256	Toe	331,337.12	1,446,778.23	2725.00
11257	Toe	331,376.63	1,446,807.99	2728.71

N W E S

Know what's **below.** **Call** before you dig.

Scale : 1" = 20'-0"
0' 10' 20' 30' 40' 50' 60' 70' 80'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

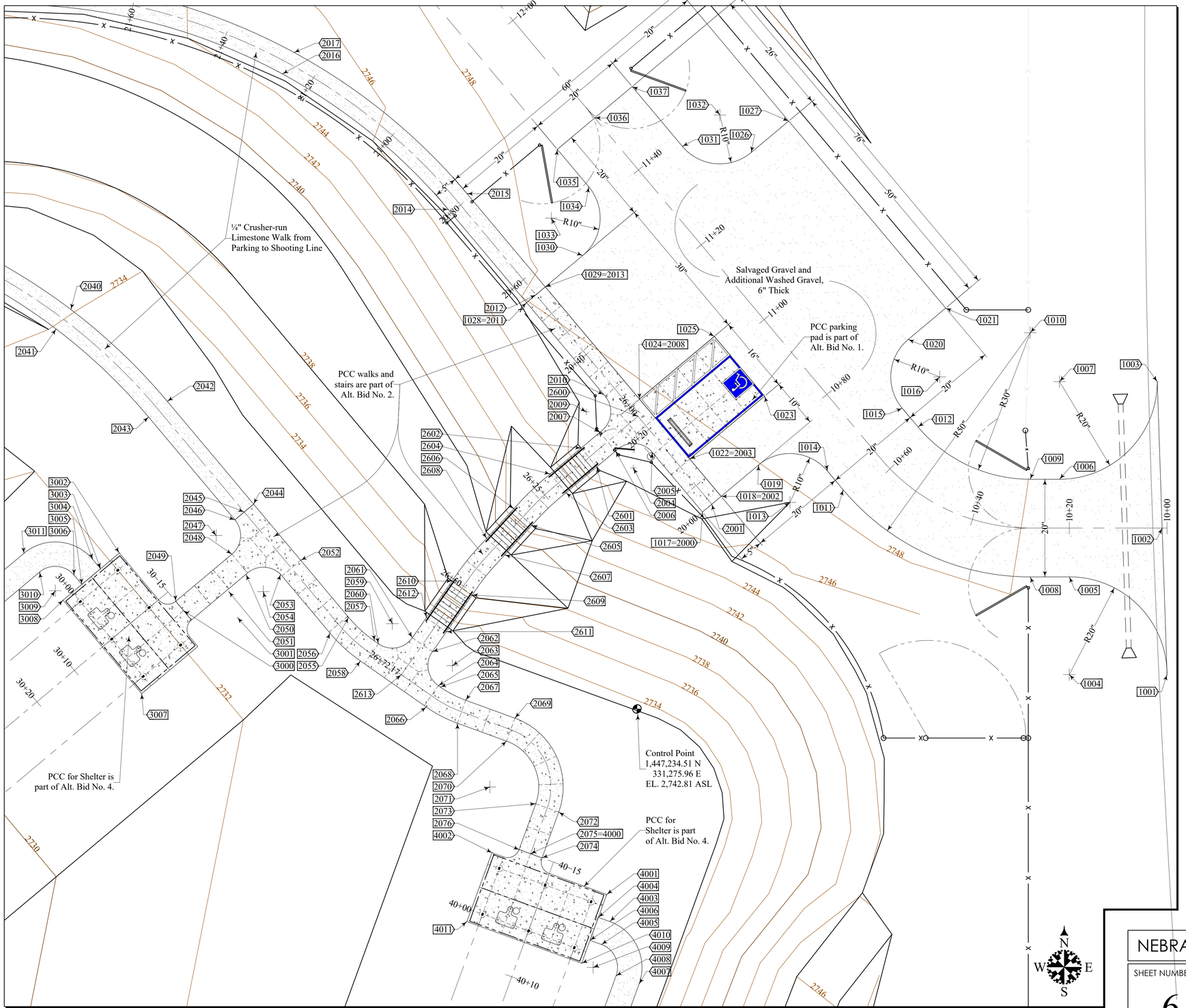
SHEET NUMBER 5 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: -
Grading Plan - Southwest
Grading Point Table - Southwest

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



PARKING LOT, STAIR, & PCC WALK PLAN

SCALE : 1" = 10'

PARKING LOT SURFACING

10+00 to 11+50.4

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
1001	Tangent Rock	10+00.00	30.0 LT	331,283.00	1,447,343.00	Existing
1002	CL Rock, Start	10+01.00	0.0 CL	331,313.00	1,447,342.00	Existing
1003	Tangent Rock	10+02.00	30.0 RT	331,343.00	1,447,341.00	Existing
1004	Center Rock	10+20.00	30.0 LT	331,283.00	1,447,323.00	2748.02
1005	Tangent Rock	10+20.00	10.0 LT	331,303.00	1,447,323.00	2748.35
1006	Tangent Rock	10+22.00	10.0 RT	331,323.00	1,447,321.00	2748.65
1007	Center Rock	10+22.00	30.0 RT	331,343.00	1,447,321.00	2748.98
1008	Tangent Rock	10+31.49	10.0 LT	331,303.19	1,447,310.64	2748.21
1009	Tangent Rock	10+31.49	10.0 RT	331,323.11	1,447,312.39	2748.55
1010	Center Rock	10+31.49	40.0 RT	331,353.00	1,447,315.00	2749.07
1011	Tangent Rock	10+62.91	10.0 LT	331,320.86	1,447,276.70	2748.11
1012	Tangent Rock	10+62.91	10.0 RT	331,333.72	1,447,292.02	2748.49
1013	Center Rock	10+67.91	20.0 LT	331,318.26	1,447,265.82	2747.94
1014	Tangent Rock	10+67.91	10.0 LT	331,324.69	1,447,273.48	2748.13
1015	Tangent Rock	10+67.91	10.0 RT	331,337.55	1,447,288.80	2748.52
1016	Center Rock	10+67.91	20.0 RT	331,343.97	1,447,296.47	2748.71
1017	Corner PCC	10+77.91	35.0 LT	331,316.28	1,447,247.90	2747.70
1018	Cor. PCC, Rock	10+77.91	30.0 LT	331,319.50	1,447,251.74	2747.80
1019	Tangent Rock	10+77.91	20.0 LT	331,325.92	1,447,259.40	2747.99
1020	Tangent Rock	10+77.91	20.0 RT	331,351.63	1,447,290.04	2748.76
1021	Corner Rock	10+77.91	30.0 RT	331,358.06	1,447,297.70	2748.96
1022	Corner PCC	10+87.91	30.0 LT	331,327.16	1,447,245.31	2747.85
1023	Corner PCC	10+87.91	10.0 LT	331,340.01	1,447,260.63	2748.15
1024	Corner PCC	11+03.91	30.0 LT	331,339.41	1,447,235.02	2747.93
1025	Corner PCC	11+03.91	10.0 LT	331,352.27	1,447,250.34	2748.23
1026	Tangent Rock	11+27.91	20.0 RT	331,389.94	1,447,257.90	2749.02
1027	Corner Rock	11+27.91	30.0 RT	331,396.37	1,447,265.56	2749.22
1028	Corner PCC	11+33.91	35.0 LT	331,359.18	1,447,211.91	2747.99
1029	Cor. PCC, Rock	11+33.91	30.0 LT	331,362.39	1,447,215.74	2748.09
1030	Tangent Rock	11+33.91	20.0 LT	331,368.82	1,447,223.40	2748.28
1031	Tangent Rock	11+37.91	10.0 RT	331,391.17	1,447,243.81	2748.88
1032	Center Rock	11+37.91	20.0 RT	331,397.60	1,447,251.47	2749.08
1033	Center Rock	11+43.91	20.0 LT	331,376.48	1,447,216.97	2748.33
1034	Tangent Rock	11+43.91	10.0 LT	331,382.91	1,447,224.63	2748.53
1035	Corner Rock	11+53.91	10.0 LT	331,390.57	1,447,218.20	2748.58
1036	CL Rock, End	11+53.91	0.0 CL	331,397.00	1,447,225.86	2748.77
1037	Corner Rock	11+53.91	10.0 RT	331,403.43	1,447,233.53	2748.96

STAIR SURFACING

26+00 to 26+72.2

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
2600	PI Walk Stairs	26+00.00	0.0 CL	331,335.89	1,447,234.71	2747.87
2601	Corner Stair	26+13.10	2.5 LT	331,325.55	1,447,226.28	2747.67
2602	Corner Stair	26+13.10	2.5 RT	331,329.38	1,447,223.07	2747.67
2603	Corner Stair	26+21.35	2.5 LT	331,320.25	1,447,219.96	2742.99
2604	Corner Stair	26+21.35	2.5 RT	331,324.08	1,447,216.75	2742.99
2605	Corner Stair	26+31.34	2.5 LT	331,313.58	1,447,212.99	2742.87
2606	Corner Stair	26+31.34	2.5 RT	331,316.96	1,447,209.30	2742.87
2607	Corner Stair	26+39.59	2.5 LT	331,307.49	1,447,207.42	2738.19
2608	Corner Stair	26+39.59	2.5 RT	331,310.87	1,447,203.73	2738.19
2609	Corner Stair	26+50.50	2.5 LT	331,299.29	1,447,200.76	2738.05
2610	Corner Stair	26+50.50	2.5 RT	331,302.16	1,447,196.66	2738.05
2611	Corner Stair	26+59.67	2.5 LT	331,291.78	1,447,195.50	2732.79
2612	Corner Stair	26+59.67	2.5 RT	331,294.65	1,447,191.40	2732.79
2613	PI Walk Stairs	26+72.17	0.0 CL	331,282.98	1,447,186.28	2732.60

Note that the 4'-wide pedestrian swing gate at the top of the stairs will require blockouts within the PCC to accommodate future gate posts.

811 Know what's below. Call before you dig.

Scale : 1" = 10'

0' 5' 10' 15' 20' 25' 30' 35' 40' 45' 50'

0" ½" 1" 1½" 2" 2½" 3" 3½" 4" 4½" 5"

Original 24"×36"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

SHEET NUMBER 6 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: Parking Lot, Stair & PCC Walk Plan; Parking Lot Surfacing Point Table, Stair Surfacing Point Table

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024

MAINTENANCE TRAIL SURFACE
11+65.4 to 14+98.6

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
1100	Edge of Trail	11+68.91	10.0 LT	331,402.06	1,447,208.56	2748.66
1101	Edge of Trail	11+68.91	10.0 RT	331,414.92	1,447,223.88	2749.04
1102	Edge of Trail	11+96.63	10.0 LT	331,423.30	1,447,190.74	2748.30
1103	Edge of Trail	11+96.63	10.0 RT	331,436.16	1,447,206.06	2748.70
1104	Edge of Trail	12+14.30	10.0 LT	331,431.85	1,447,180.09	2747.80
1105	Edge of Trail	12+14.30	10.0 RT	331,449.59	1,447,189.33	2748.20
1106	Edge of Trail	12+31.97	10.0 LT	331,435.67	1,447,166.98	2747.24
1107	Edge of Trail	12+31.97	10.0 RT	331,455.59	1,447,168.72	2747.64
1108	Edge of Trail	12+61.27	10.0 LT	331,438.22	1,447,137.79	2745.80
1109	Edge of Trail	12+61.27	10.0 RT	331,458.15	1,447,139.54	2746.20
1110	Edge of Trail	12+85.27	10.0 LT	331,440.31	1,447,113.89	2744.55
1111	Edge of Trail	12+85.27	10.0 RT	331,460.24	1,447,115.63	2744.95
1112	Edge of Trail	12+95.74	10.0 LT	331,440.31	1,447,105.17	2744.11
1113	Edge of Trail	12+95.74	10.0 RT	331,460.13	1,447,103.44	2744.51
1114	Edge of Trail	13+21.24	10.0 LT	331,438.09	1,447,079.77	2742.80
1115	Edge of Trail	13+21.24	10.0 RT	331,458.02	1,447,078.02	2743.20
1116	Edge of Trail	13+45.24	10.0 LT	331,436.00	1,447,055.86	2741.55
1117	Edge of Trail	13+45.24	10.0 RT	331,455.92	1,447,054.12	2741.95
1118	Edge of Trail	13+69.24	10.0 LT	331,433.91	1,447,031.95	2740.30
1119	Edge of Trail	13+69.24	10.0 RT	331,453.83	1,447,030.21	2740.70
1120	Edge of Trail	13+83.10	10.0 LT	331,432.26	1,447,020.88	2739.80
1121	Edge of Trail	13+83.10	10.0 RT	331,451.05	1,447,014.03	2740.20
1122	Edge of Trail	13+98.81	10.0 LT	331,426.32	1,447,012.39	2739.30
1123	Edge of Trail	13+98.81	10.0 RT	331,439.17	1,446,997.07	2739.70
1124	Edge of Trail	14+14.46	10.0 LT	331,417.01	1,447,008.05	2739.00
1125	Edge of Trail	14+14.46	10.0 RT	331,420.43	1,446,988.33	2739.00
1126	PI Trails	14+18.45	0.0 CL	331,414.75	1,446,997.81	2738.93
1127	Edge of Trail	14+23.32	10.0 LT	331,409.03	1,447,007.35	2738.84
1128	Edge of Trail	14+23.32	10.0 RT	331,410.77	1,446,987.43	2738.84
1129	Edge of Trail	14+35.82	10.0 LT	331,397.24	1,447,006.30	2738.00
1130	Edge of Trail	14+35.82	10.0 RT	331,397.65	1,446,986.30	2738.00
1131	Edge of Trail	14+63.24	10.0 LT	331,370.52	1,447,007.56	2735.76
1132	Edge of Trail	14+63.24	10.0 RT	331,369.59	1,446,987.58	2735.76
1133	Edge of Trail	14+97.85	10.0 LT	331,335.95	1,447,009.17	2732.87
1134	CL End of Trail	15+00.29	0.0 CL	331,333.05	1,446,999.29	2732.67
1135	Edge of Trail	15+02.73	10.0 RT	331,330.14	1,446,989.42	2732.47

WMA TRAIL SURFACE
27+00 to 28+57.6

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
2700	PI Trails	27+00.00	0.0 CL	331,411.45	1,447,031.27	2738.98
2701	Tangent Rock	27+17.50	2.5 LT	331,410.49	1,447,013.61	2738.88
2702	Corner Rock	27+22.50	2.5 LT	331,410.92	1,447,008.63	2738.88
2703	CL End Rock	27+22.50	0.0 CL	331,413.41	1,447,008.85	2738.93
2704	Corner Rock	27+22.50	2.5 RT	331,415.90	1,447,009.07	2738.98
2705	Tangent Edge	27+57.63	2.5 LT	331,418.71	1,446,973.79	2738.88
2706	Tangent Edge	27+57.63	2.5 RT	331,423.38	1,446,975.58	2738.98
2707	Edge Trail	28+57.63	2.5 LT	331,454.50	1,446,880.42	2738.88
2708	Edge Trail	28+57.63	2.5 RT	331,459.17	1,446,882.20	2738.98
2709	Edge Trail	29+57.63	2.5 LT	331,490.28	1,446,787.04	2738.88
2710	Edge Trail	29+57.63	2.5 RT	331,494.95	1,446,788.83	2738.98

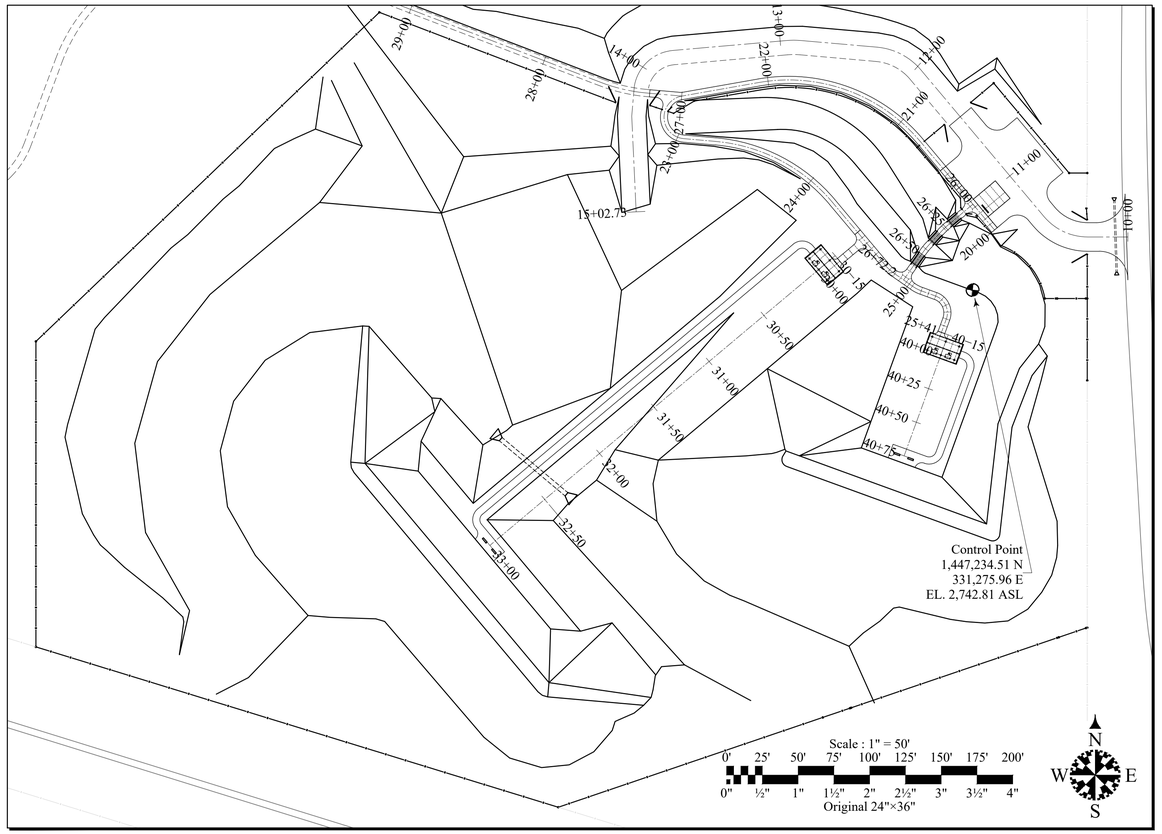
ACCESSIBLE WALK SURFACING
20+00 to 25+41

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
2000	Corner PCC	20+00.00	2.5 LT	331,316.28	1,447,247.90	2747.70
2001	CL PCC Start	20+00.00	0.0 CL	331,317.89	1,447,249.82	2747.75
2002	Corner PCC	20+00.00	2.5 RT	331,319.50	1,447,251.74	2747.80
2003	Corner PCC	20+10.00	2.5 RT	331,327.16	1,447,245.31	2747.85
2004	Center PCC	20+16.00	7.5 LT	331,325.32	1,447,233.79	2747.69
2005	Tangent PCC	20+16.00	2.5 LT	331,328.54	1,447,237.62	2747.78
2006	Tangent PCC	20+20.00	7.5 LT	331,328.77	1,447,230.11	2747.70
2007	Tangent PCC	20+26.00	7.5 LT	331,332.60	1,447,226.90	2747.73
2008	Corner PCC	20+26.00	2.5 RT	331,339.41	1,447,235.02	2747.93
2009	Center PCC	20+31.00	7.5 LT	331,336.82	1,447,224.15	2747.77
2010	Tangent PCC	20+31.00	2.5 LT	331,340.03	1,447,227.98	2747.86
2011	Corner PCC	20+56.00	2.5 LT	331,359.18	1,447,211.91	2747.99
2012	CL End PCC	20+56.00	0.0 CL	331,360.79	1,447,213.82	2748.04
2013	Corner PCC	20+56.00	2.5 RT	331,362.39	1,447,215.74	2748.09
2014	Tangent Rock	20+80.93	2.5 LT	331,378.28	1,447,195.88	2746.96
2015	Tangent Rock	20+80.93	2.5 RT	331,381.49	1,447,199.71	2747.04
2016	Edge of Rock	21+25.97	2.5 LT	331,406.02	1,447,161.93	2744.96
2017	Edge of Rock	21+25.97	2.5 RT	331,410.41	1,447,164.32	2745.04
2018	Edge of Rock	21+70.97	2.5 LT	331,419.37	1,447,120.21	2742.96
2019	Edge of Rock	21+70.97	2.5 RT	331,424.34	1,447,120.83	2743.04
2020	Tangent Rock	22+06.60	2.5 LT	331,418.47	1,447,085.47	2741.39
2021	Tangent Rock	22+06.60	2.5 RT	331,423.39	1,447,084.60	2741.45
2022	Edge of Rock	22+38.43	2.5 LT	331,412.94	1,447,054.12	2739.96
2023	Edge of Rock	22+38.43	2.5 RT	331,417.86	1,447,053.25	2740.04
2024	Corner Rock	22+61.03	2.5 RT	331,413.97	1,447,031.16	2739.04
2025	Center Rock	22+61.19	15.0 LT	331,396.68	1,447,033.88	2738.50
2026	Tangent Rock	22+61.19	2.5 LT	331,408.99	1,447,031.70	2738.95
2027	Edge of Rock	22+76.09	2.5 LT	331,401.58	1,447,022.38	2738.66
2028	Tangent Rock	22+76.09	2.5 RT	331,403.54	1,447,017.78	2738.73
2029	Center Rock	22+76.09	7.5 RT	331,405.50	1,447,013.18	2738.78
2030	Edge of Rock	22+90.23	2.5 LT	331,390.25	1,447,023.16	2738.35
2031	Edge of Rock	22+90.23	2.5 RT	331,387.68	1,447,018.87	2738.29
2032	Tangent Rock	23+04.39	2.5 LT	331,384.23	1,447,032.79	2738.05
2033	Tangent Rock	23+04.39	2.5 RT	331,379.24	1,447,032.35	2737.96
2034	Tangent Rock	23+26.89	2.5 LT	331,382.26	1,447,055.20	2737.04
2035	Tangent Rock	23+26.89	2.5 RT	331,377.28	1,447,054.76	2736.96
2036	Edge of Rock	23+49.38	2.5 LT	331,378.14	1,447,077.76	2736.04
2037	Edge of Rock	23+49.38	2.5 RT	331,373.32	1,447,076.41	2735.96
2038	Edge of Rock	23+71.89	2.5 LT	331,369.87	1,447,099.16	2735.04
2039	Edge of Rock	23+71.89	2.5 RT	331,365.40	1,447,096.93	2734.96
2040	Edge of Rock	23+94.39	2.5 LT	331,357.77	1,447,118.64	2734.04
2041	Edge of Rock	23+94.39	2.5 RT	331,353.79	1,447,115.61	2733.96
2042	Tangent Rock	24+21.13	2.5 LT	331,338.97	1,447,138.36	2732.84
2043	Tangent Rock	24+21.13	2.5 RT	331,335.76	1,447,134.53	2732.78

ACCESSIBLE WALK SURFACING (CONTINUED)
20+00 to 25+41

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
2044	Corner PCC	24+48.63	2.5 LT	331,317.91	1,447,156.04	2732.30
2045	Start PCC	24+48.63	0.0 CL	331,316.30	1,447,154.13	2732.28
2046	Corner PCC	24+48.63	2.5 RT	331,314.69	1,447,152.21	2732.25
2047	Center PCC	24+48.63	7.5 RT	331,311.48	1,447,148.38	2732.20
2048	Tangent PCC	24+53.63	7.5 RT	331,307.65	1,447,151.59	2732.20
2049	Tangent PCC	24+53.63	12.5 RT	331,298.01	1,447,140.10	2732.05
2050	Tangent PCC	24+58.63	7.5 RT	331,303.82	1,447,154.81	2732.20
2051	Tangent PCC	24+58.63	12.5 RT	331,294.18	1,447,143.32	2732.05
2052	Edge PCC	24+63.63	2.5 LT	331,306.42	1,447,165.68	2732.30
2053	Tangent PCC	24+63.63	2.5 RT	331,303.20	1,447,161.85	2732.25
2054	Center PCC	24+63.63	7.5 RT	331,299.99	1,447,158.02	2732.20
2055	Tangent PCC	24+78.89	2.5 LT	331,294.73	1,447,175.49	2732.30
2056	Tangent PCC	24+78.89	2.5 RT	331,291.51	1,447,171.66	2732.25
2057	Tangent PCC	24+86.74	2.5 LT	331,289.88	1,447,180.78	2732.50
2058	Tangent PCC	24+86.74	2.5 RT	331,285.78	1,447,177.91	2732.43
2059	Center PCC	22+87.71	7.5 LT	331,293.42	1,447,184.44	2732.54
2060	Tangent PCC	22+87.71	2.5 LT	331,289.33	1,447,181.57	2732.52
2061	Tangent PCC	22+92.71	7.5 LT	331,290.55	1,447,188.54	2732.71
2062	Tangent PCC	22+97.71	7.5 LT	331,287.69	1,447,192.63	2732.73
2063	Center PCC	25+02.71	7.5 LT	331,284.82	1,447,196.73	2732.85
2064	Tangent PCC	25+02.71	2.5 LT	331,280.72	1,447,193.86	2732.76
2065	Tangent PCC	25+03.19	2.5 LT	331,280.45	1,447,194.25	2732.78
2066	Tangent PCC	25+03.19	2.5 RT	331,276.35	1,447,191.39	2732.72
2067	Tangent PCC	25+09.74	2.5 LT	331,277.73	1,447,199.46	2732.92
2068	Tangent PCC	25+09.74	2.5 RT	331,273.03	1,447,197.75	2732.87
2069	Tangent PCC	25+20.45	2.5 LT	331,274.07	1,447,209.53	2733.03
2070	Tangent PCC	25+20.45	2.5 RT	331,269.37	1,447,207.82	2732.98
2071	Center PCC	25+20.45	7.5 RT	331,259.97	1,447,204.40	2732.98
2072	Tangent PCC	25+40.08	2.5 LT	331,254.84	1,447,218.49	2733.13
2073	Tangent PCC	25+40.08	2.5 RT	331,256.55	1,447,213.80	2733.08
2074	Tangent PCC	25+50.08	2.5 LT	331,245.45	1,447,215.07	2733.23
2075	End PCC	25+50.08	0.0 CL	331,246.30	1,447,212.72	2733.20
2076	Tangent PCC	25+50.08	2.5 RT	331,247.16	1,447,210.38	2733.18

NOTE :
Geometry Point Tables for surfacing the Parking Lot and Stairs are on Sheet 6.



STATIONING PLAN
SCALE : 1" = 50'

RIFLE RANGE SURFACING
30−15 to 33+05

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
3000	Begin PCC	30−15.00	5.0 LT	331,296.09	1,447,141.71	2732.05
3001	Corner PCC	30−12.50	12.5 LT	331,288.74	1,447,144.62	2732.03
3002	Corner PCC	30−12.50	12.5 RT	331,307.89	1,447,128.55	2732.03
3003	Corner Rock	30−07.50	12.5 RT	331,304.68	1,447,124.72	2731.98
3004	Tangent Rock	30−07.50	15.0 RT	331,306.59	1,447,123.11	2731.88
3005	Corner Rock	30−02.50	12.5 RT	331,301.46	1,447,120.89	2731.93
3006	Tangent Rock	30−02.50	15.0 RT	331,303.38	1,447,119.28	2731.83
3007	Corner PCC	30+02.50	12.5 LT	331,279.10	1,447,133.13	2731.88
3008	Corner PCC	30+02.50	12.5 RT	331,298.25	1,447,117.06	2731.88
3009	Center Rock	30+02.50	15.0 RT	331,300.16	1,447,115.45	2731.50
3010	Tangent Rock	30+02.50	20.0 RT	331,303.99	1,447,112.23	2731.50
3011	Tangent Rock	30+02.50	25.0 RT	331,307.82	1,447,109.02	2731.50
3012	Edge Rock	30+65.00	20.0 RT	331,263.82	1,447,064.36	2729.00
3013	Edge Rock	30+65.00	25.0 RT	331,267.65	1,447,061.14	2729.00
3014	Edge Rock	31+15.00	20.0 RT	331,231.68	1,447,026.05	2729.00
3015	Edge Rock	31+15.00	25.0 RT	331,235.51	1,447,022.84	2729.00
3016	Edge Rock	31+65.00	20.0 RT	331,199.54	1,446,987.75	2729.00
3017	Edge Rock	31+65.00	25.0 RT	331,203.37	1,446,984.54	2729.00
3018	Edge Rock	32+15.00	20.0 RT	331,167.40	1,446,949.45	2729.00
3019	Edge Rock	32+15.00	25.0 RT	331,171.23	1,446,946.24	2729.00
3020	Edge Rock	32+41.25	20.0 RT	331,150.53	1,446,929.34	2729.00
3021	Edge Rock	32+41.25	25.0 RT	331,154.36	1,446,926.13	2729.00
3022	Center Rock	32+90.00	15.0 RT	331,115.36	1,446,895.21	2730.85
3023	Tangent Rock	32+90.00	20.0 RT	331,119.19	1,446,892.00	2730.85
3024	Tangent Rock	32+90.00	25.0 RT	331,123.02	1,446,888.78	2730.85
3025	Corner Rock	32+95.00	10.0 LT	331,093.00	1,446,907.45	2730.90
3026	Edge Rock	32+95.00	10.0 RT	331,108.32	1,446,894.59	2730.90
3027	Tangent Rock	32+95.00	15.0 RT	331,112.15	1,446,891.38	2730.90
3028	Tangent Rock	33+00.00	15.0 RT	331,108.93	1,446,887.55	2730.95
3029	Corner Rock	33+05.00	10.0 LT	331,086.57	1,446,899.79	2731.00
3030	Corner Rock	33+05.00	10.0 RT	331,101.89	1,446,886.93	2731.00
3031	Center Rock	33+05.00	15.0 RT	331,105.72	1,446,883.72	2731.00

SMALLBORE RANGE SURFACING
40−15 to 40+80

Point No.	Description	Station FT	Offset FT	Northing FT	Easting FT	Elevation FT
4000	Begin PCC	40−15.00	5.0 RT	331,246.30	1,447,212.72	2733.20
4001	Corner PCC	40−12.50	12.5 LT	331,237.97	1,447,228.31	2733.40
4002	Corner PCC	40−12.50	12.5 RT	331,246.52	1,447,204.82	2733.15
4003	Tangent Rock	40−07.50	15.0 LT	331,232.41	1,447,228.95	2733.48
4004	Corner Rock	40−07.50	12.5 LT	331,233.27	1,447,226.60	2733.45
4005	Tangent Rock	40−02.50	15.0 LT	331,227.72	1,447,227.24	2733.53
4006	Corner Rock	40−02.50	12.5 LT	331,228.57	1,447,224.89	2733.50
4007	Tangent Rock	40+02.50	25.0 LT	331,219.60	1,447,234.93	2733.68
4008	Tangent Rock	40+02.50	20.0 LT	331,221.31	1,447,230.23	2733.63
4009	Center Rock	40+02.50	15.0 LT	331,223.02	1,447,225.53	2733.58
4010	Corner PCC	40+02.50	12.5 LT	331,223.87	1,447,223.18	2733.55
4011	Corner PCC	40+02.50	12.5 RT	331,232.42	1,447,199.69	2733.30
4012	Edge Rock	40+30.00	25.0 LT	331,190.00	1,447,224.16	2733.99
4013	Edge Rock	40+30.00	20.0 LT	331,191.71	1,447,219.46	2733.94
4014	Tangent Rock	40+65.00	25.0 LT	331,160.87	1,447,213.55	2734.30
4015	Tangent Rock	40+65.00	20.0 LT	331,162.58	1,447,208.85	2734.25
4016	Center Rock	40+65.00	15.0 LT	331,164.29	1,447,204.16	2734.20
4017	Tangent Rock	40+70.00	15.0 LT	331,159.59	1,447,202.45	2734.25
4018	Edge Rock	40+70.00	10.0 LT	331,161.30	1,447,197.75	2734.20
4019	Corner Rock	40+70.00	10.0 RT	331,168.14	1,447,178.95	2734.00
4020	Tangent Rock	40+75.00	15.0 LT	331,154.89	1,447,200.74	2734.30
4021	Center Rock	40+80.00	15.0 LT	331,150.19	1,447,199.03	2734.35
4022	Corner Rock	40+80.00	10.0 LT	331,151.90	1,447,194.33	2734.30
4023	Corner Rock	40+80.00	10.0 RT	331,158.74	1,447,175.53	2734.10

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

SHEET NUMBER 7 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area

PR: 21-196

DRAWING CONTAINS: Stationing Plan, Surfacing Point Tables for Maint & WMA Trails, Acc. Walk, Rifle & Pistol Ranges

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024

To Points
2710
2709

¼" Crusher-run
Limestone Walk from
Parking to Shooting Line

See Sheet 6 for surfacing
points around the Parking Lot,
PCC Stairs, and PCC Walks.

PCC parking pad, walks and
stairs are part of Alt. Bid No. 2.

Reclaimed Gravel and Crushed Limestone
Surfacing ¾" Crusher-run, 6" Thick

Control Point
1,447,234.51 N
331,275.96 E
EL. 2,742.81 ASL

¼" Crusher-run
Limestone Walk to Targets

¼" Crusher-run
Limestone
Walk to Targets

PCC for Shelter
is part of Alt.
Bid No. 4.

PCC for Shelter
is part of Alternate
Bid No. 4.

N
W
E
S

Scale : 1" = 20'-0"
0' 10' 20' 30' 40' 50' 60' 70' 80'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

LIMESTONE WALK, RANGE SURFACING & UNIMPROVED TRAIL PLAN
SCALE : 1" = 20'

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

SHEET NUMBER 8 OF 16

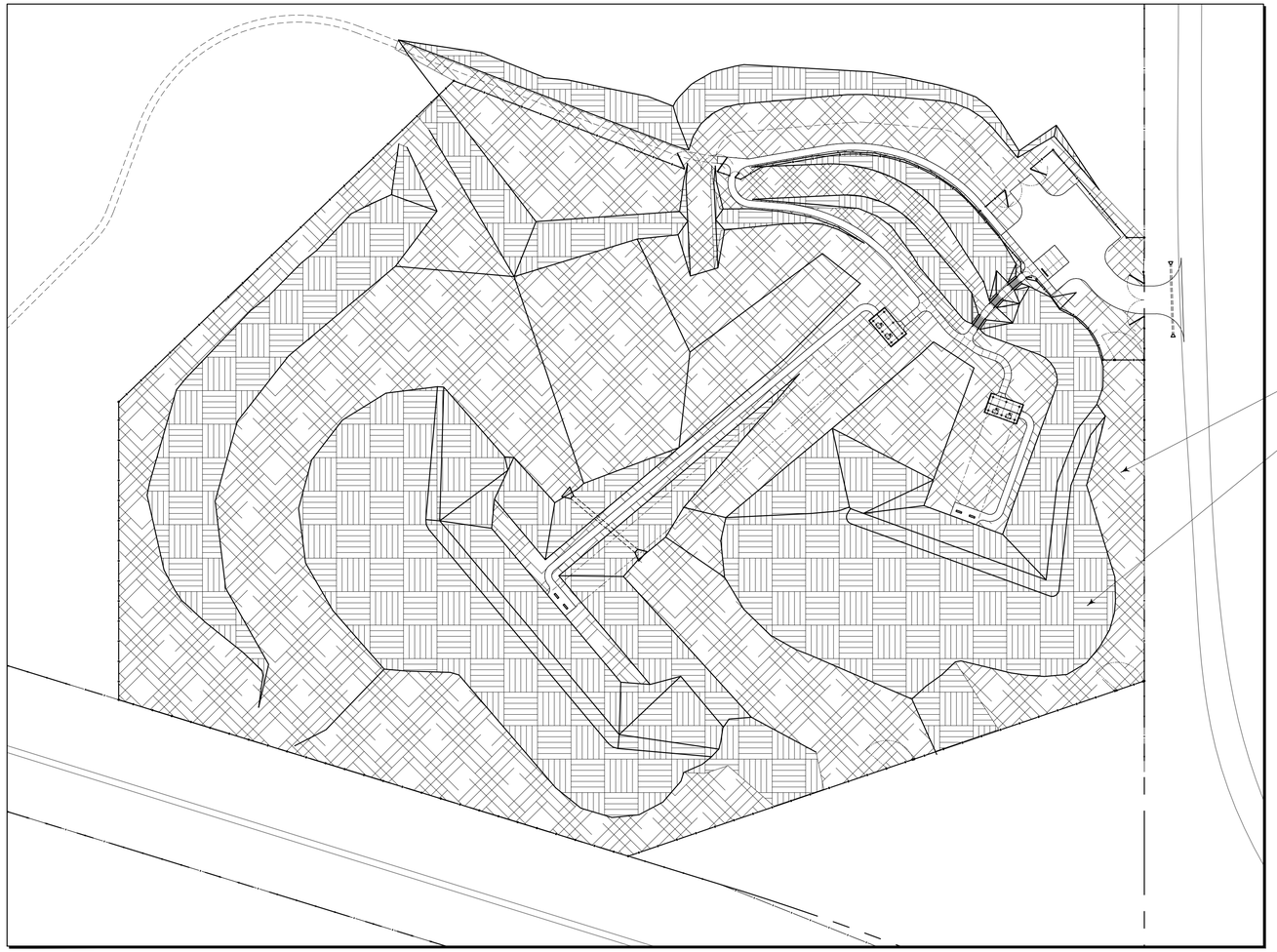
PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area

PR: 21-196

DRAWING CONTAINS: -
Limestone Walk, Range Surfacing,
& Unimproved Trail Plan

DESIGN/DRAWN
BY: C.J.C.
DATE: Mar. 26, 2024



SEEDING PLAN
SCALE : 1" = 50'

Scale : 1" = 50'
0' 25' 50' 75' 100' 125' 150' 175' 200'
0" ½" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

N W E S

SEEDING NOTES
No NOTE

1. All disturbed areas are to be seeded with an NDOT roadside mix appropriate for the area.
2. All berm tops and slopes greater than 4:1 shall be stabilized with an erosion control blanket.
3. All areas not covered by an erosion control blanket shall be protected with straw cover. Apply straw at the rate of 2.0 TONS/AC.

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

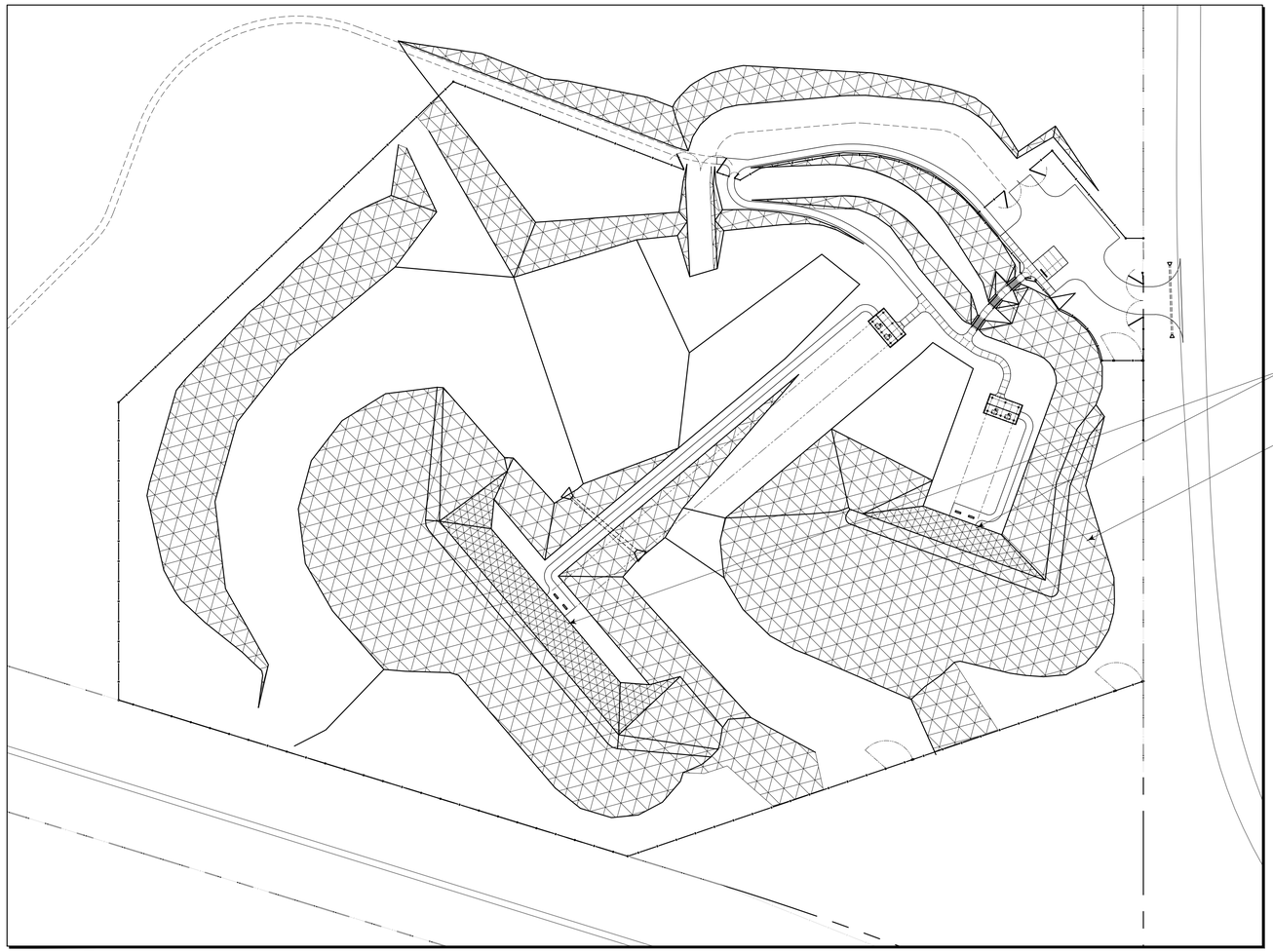
SHEET NUMBER 9 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: - Seeding Plan

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



On Slopes 1.5H:1V through 1H:1V,
install a steep-slope erosion control blanket (See Spec. 02210).

On Slopes 4H:1V through 2H:1V and on the crests of the berms,
install a moderate-slope erosion control blanket (See Spec. 02210).

EROSION CONTROL BLANKET PLAN

SCALE : 1" = 50'

Scale : 1" = 50'

0' 25' 50' 75' 100' 125' 150' 175' 200'

0" ½" 1" 1½" 2" 2½" 3" 3½" 4"

Original 24"×36"

N W E S

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

SHEET NUMBER 10 OF 16

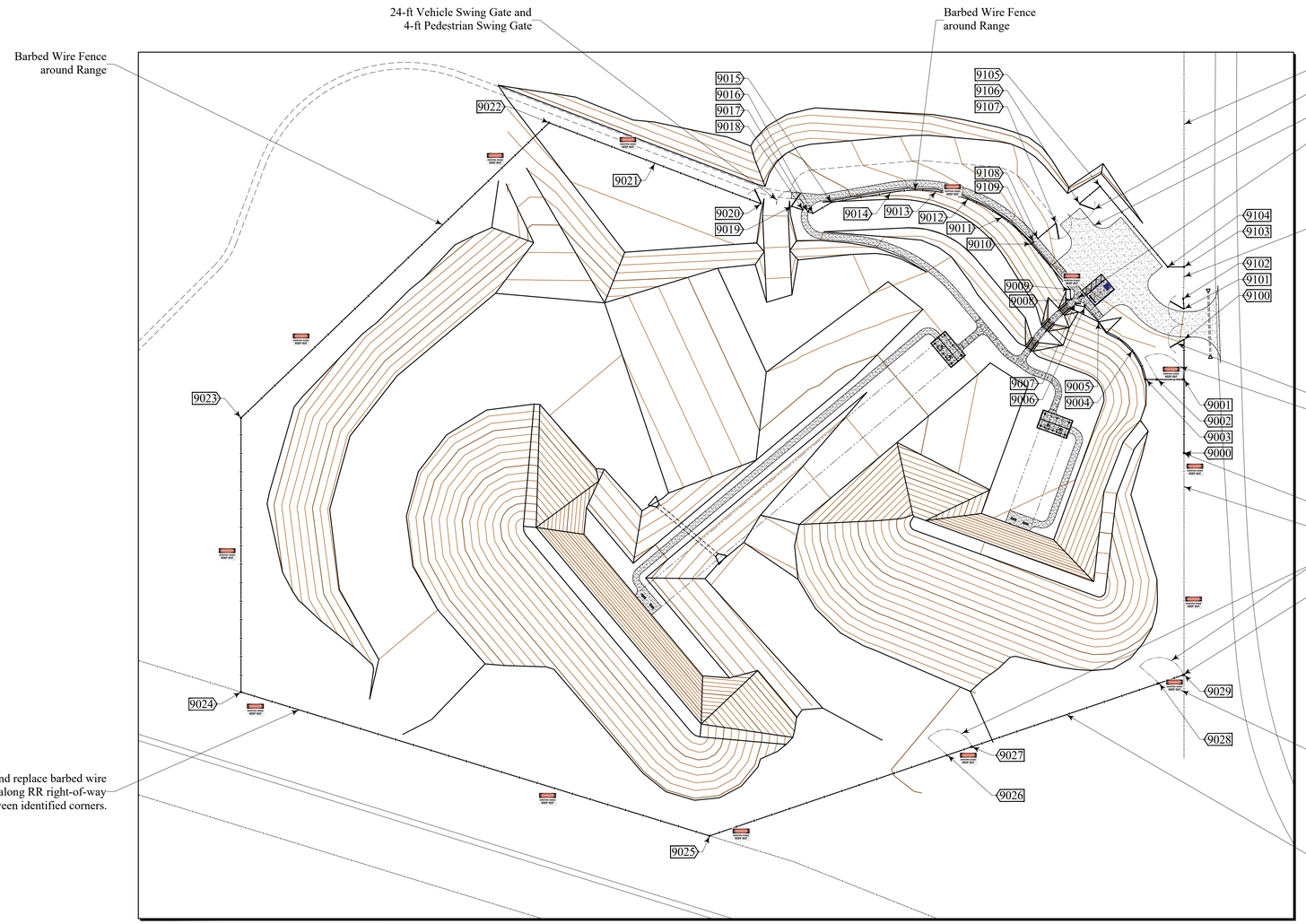
PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: Erosion Control Blanket Plan

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024



FENCING PLAN

SCALE : 1" = 50'

Scale : 1" = 50'

0' 25' 50' 75' 100' 125' 150' 175' 200'

0" ½" 1" 1½" 2" 2½" 3" 3½" 4"

Original 24"×36"

N W E S

FENCE NOTES

No NOTE

1. 24-ft Vehicle Swing Gates shall have two leaves, each of which shall be equal to Tarter 12 ft. 6-Bar Economy Tube Gate, Green.
2. 4-ft Pedestrian Swing Gates shall have one leaf equal to Tarter 4 ft. 7-Bar Heavy-Duty Standard Bull Gate, 28 lb., Green.

FENCE

Point No.	*Description*	*Northing FT*	*Easting FT*
9000	Begin Fence	331,212.69	1,447,314.60
9001	Tee/Gate	331,270.00	1,447,314.60
9002	Wire Gate	331,270.00	1,447,294.10
9003	Corner Fence	331,270.00	1,447,284.97
9004	Fence	331,292.78	1,447,274.46
9005	Fence	331,314.87	1,447,247.78
9006	Corner Fence	331,326.47	1,447,237.44
9007	Swing Gate	331,329.15	1,447,229.79
9008	Swing Gate	331,332.21	1,447,227.22
9009	Corner Fence	331,340.10	1,447,225.96
9010	Tangent/Tee	331,375.51	1,447,195.59
9011	Fence	331,396.35	1,447,173.09
9012	Fence	331,410.43	1,447,146.24
9013	Fence	331,416.51	1,447,121.63
9014	Tangent Fence	331,415.73	1,447,086.02
9015	Corner Fence	331,408.00	1,447,040.00
9016	Corner Fence	331,399.43	1,447,025.57
9017	Swing Gate	331,400.77	1,447,021.54
9018	Swing Gate	331,402.03	1,447,017.74
9019	Swing Gate	331,404.87	1,447,008.99
9020	Swing Gate	331,406.96	1,446,985.09
9021	Fence	331,438.49	1,446,902.42
9022	Corner Fence	331,470.00	1,446,820.00
9023	Corner Fence	331,240.00	1,446,580.00
9024	Corner Fence	331,026.51	1,446,580.00
9025	Corner Fence	330,914.48	1,446,945.00
9026	Wire Gate	330,977.40	1,447,130.27
9027	Wire Gate	330,983.83	1,447,149.21
9028	Wire Gate	331,033.41	1,447,295.19
9029	End Fence	331,040.00	1,447,314.60
9100	Swing Gate	331,301.00	1,447,314.60
9101	Swing Gate	331,325.00	1,447,314.60
9102	End Fence	331,333.00	1,447,314.00
9103	Begin Fence	331,357.69	1,447,314.60
9104	Corner Fence	331,357.69	1,447,301.92
9105	Corner Fence	331,420.51	1,447,249.22
9106	Swing Gate	331,407.01	1,447,233.13
9107	Swing Gate	331,391.58	1,447,214.74
9108	Pedestrian Gap	331,379.69	1,447,200.57
9109	Pedestrian Gap	331,377.12	1,447,197.51

Provide signs with the language
"Danger - Shooting Range" similar to this sign.
Signs shall be 14" x 11" in size minimum.
Signs shall be aluminum.
Fasten sign to posts and top wire.

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

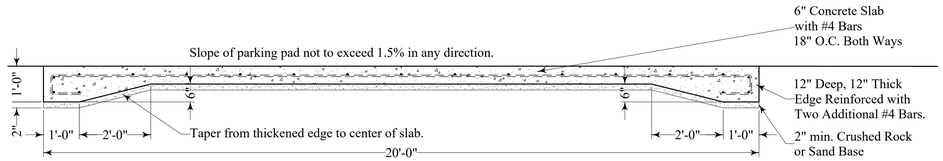
SHEET NUMBER 11 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

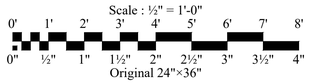
DRAWING CONTAINS:
Alternate Bid No. 1 : Fence & Gates
Fence Plan, Fence Points

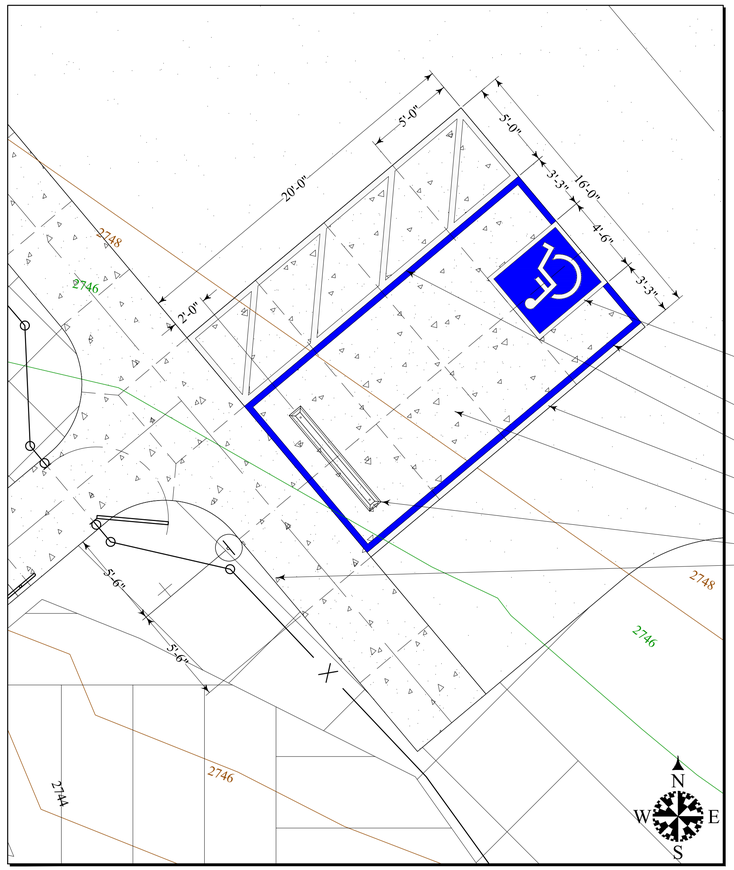
DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



ACCESSIBLE PARKING PAD PROFILE

SCALE : ½" = 1'-0"





NOTE :

All stripes are to be 4" wide unless otherwise noted.

Accessibility Symbol
3" White Border
3" Figure
Blue Background.

Stripe accessible stall with blue paint.

Stripe aisle border and diagonals with white paint.

Stripe outside edge of stall with white paint.

Parking pad slope not to exceed 1.5% in any direction.

Wheelstop

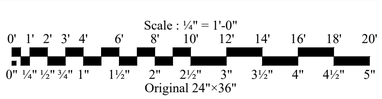
Accessible Parking Sign & Post

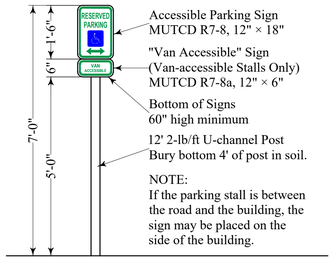
PAD QUANTITIES

PCC	36	SY
4" White Striping	100	LF
4" Blue Striping	62	LF
Accessibility Symbols	1	EA
Parking Sign & Post	1	EA
Wheelstops	1	EA

ACCESSIBLE PARKING PAD PLAN

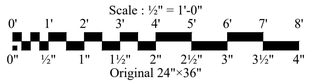
SCALE : ¼" = 1'-0"

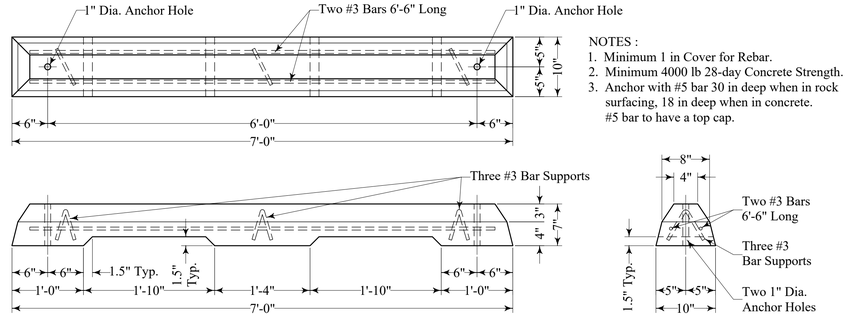




ACCESSIBLE PARKING SIGN

SCALE : ½" = 1'-0"



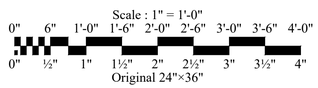


NOTES :

1. Minimum 1 in Cover for Rebar.
2. Minimum 4000 lb 28-day Concrete Strength.
3. Anchor with #5 bar 30 in deep when in rock surfacing, 18 in deep when in concrete. #5 bar to have a top cap.

WHEELSTOP

SCALE : 1" = 1'-0"



NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

SHEET NUMBER 12 OF 16

PROJECT: Range Development

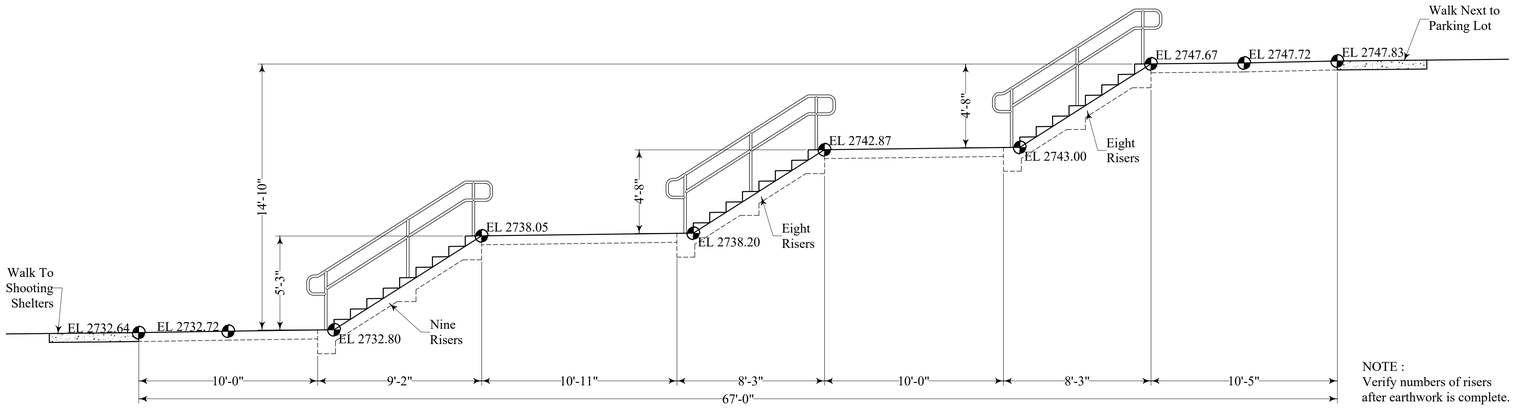
LOCATION: Cedar Valley Wildlife Management Area

PR: 21-196

DRAWING CONTAINS: Part of Alternate Bid No. 2 : Accessible Parking Pad, Accessible Parking Sign, Wheelstop

DESIGN/DRAWN BY: C.J.C.

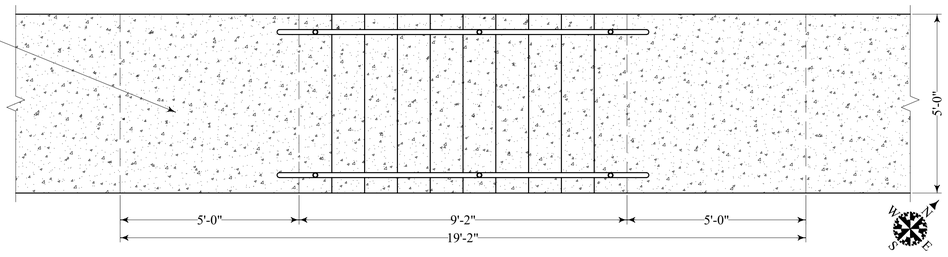
DATE: Mar. 26, 2024



STAIRWAY PROFILE

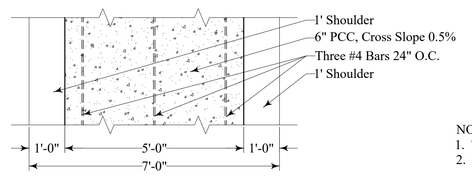
SCALE : ¼" = 1'-0"

Scale : ¼" = 1'-0"
0' 1' 2' 3' 4' 6' 8' 10' 12' 14' 16' 18' 20'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4" 4½" 5"
Original 24"×36"



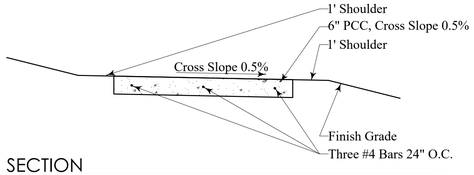
NOTES :
1. Tie rebar, do not weld it.
2. Use chairs to support rebar.

PLAN

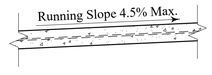


NOTES :
1. Tie rebar, do not weld it.
2. Use chairs to support rebar.

TOP



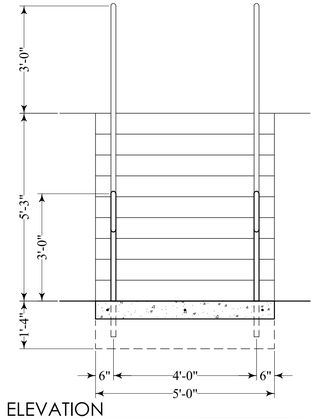
SECTION



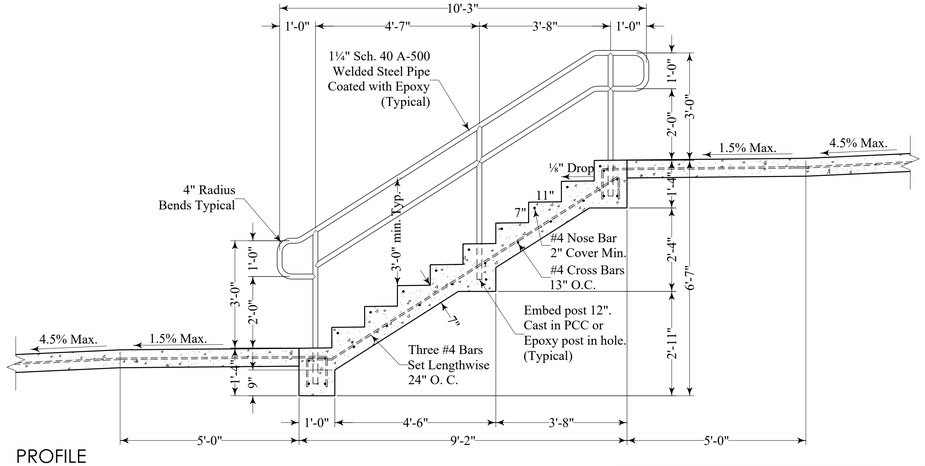
PROFILE

ACCESSIBLE WALK DETAIL

SCALE : ½" = 1'-0"



ELEVATION



PROFILE

STAIR FLIGHT DETAIL

SCALE : ½" = 1'-0"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

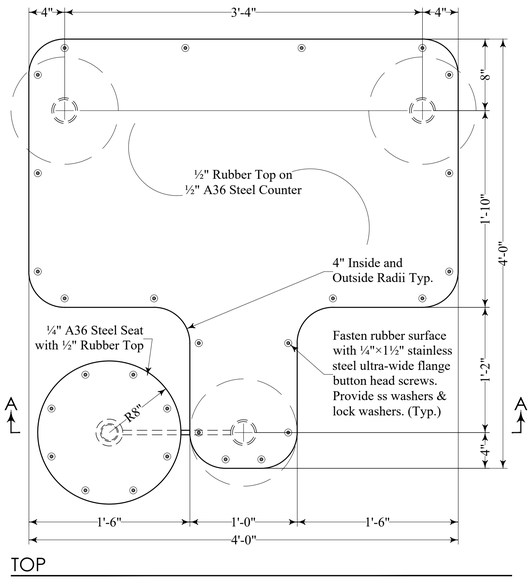
SHEET NUMBER 13 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: Part of Alternate Bid No. 2 : Accessible Walk Detail Stairway Profile, Stair Flight Detail,

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



TOP

FINISH NOTES

No NOTE

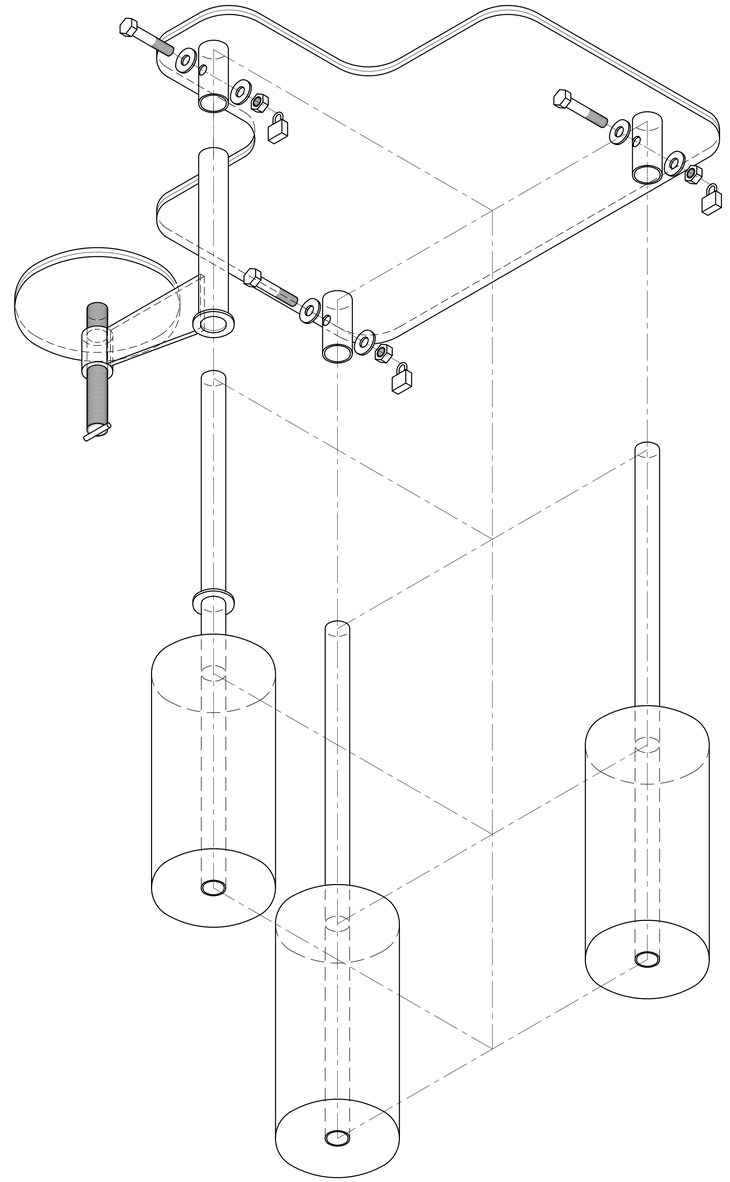
1. All locks shall be hot-dip galvanized or stainless steel.
2. All hardware - nuts, washers, bolts, and screws - shall be stainless steel.
3. The vertical posts and the welded seat and counter assemblies shall be powder coated.
4. Coordinate with NGPC staff for color.
5. Fasten rubber tops to benches after painting.

Scale : 1½" = 1'-0"

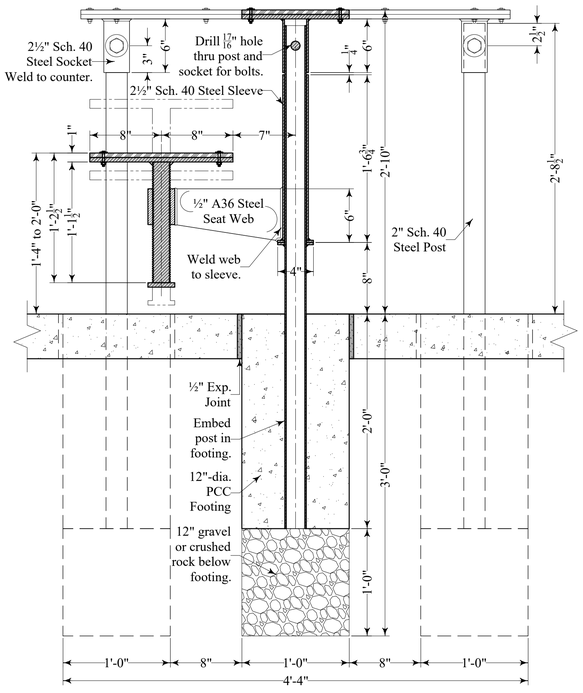
0" 2" 4" 6" 1'-0" 1'-6" 2'-0"

0" ¼" ½" ¾" 1½" 2¼" 3"

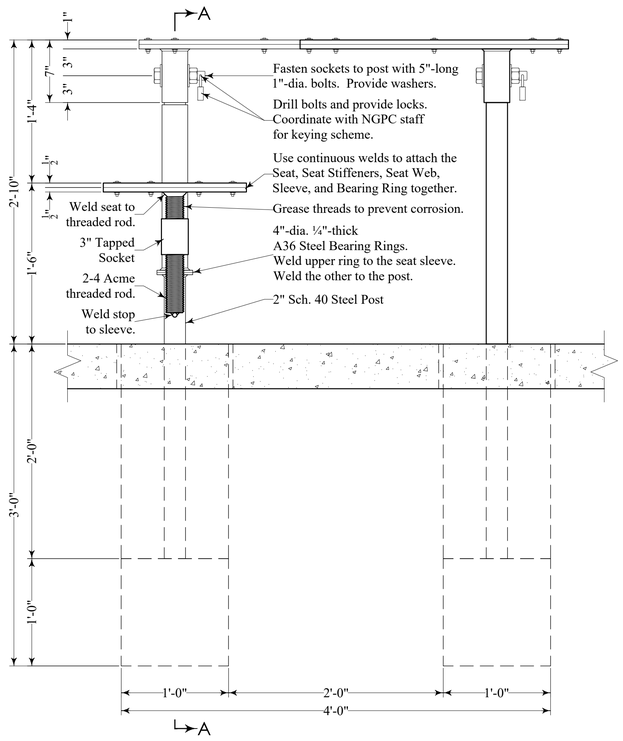
Original 24"×36"



EXPLODED ISOMETRIC VIEW (As Seen from the Lower Right)



SECTION A



RIGHT ELEVATION (The seat is swung to the right side in this view.)

SHOOTING BENCH

SCALE : 1½" = 1'-0"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

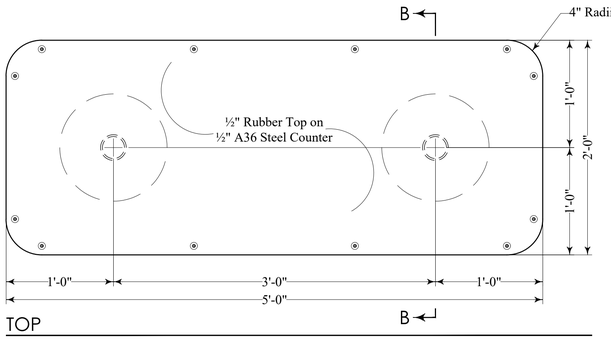
SHEET NUMBER 14 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: -
Part of Alternate Bid No. 3 : Benches
Shooting Bench

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



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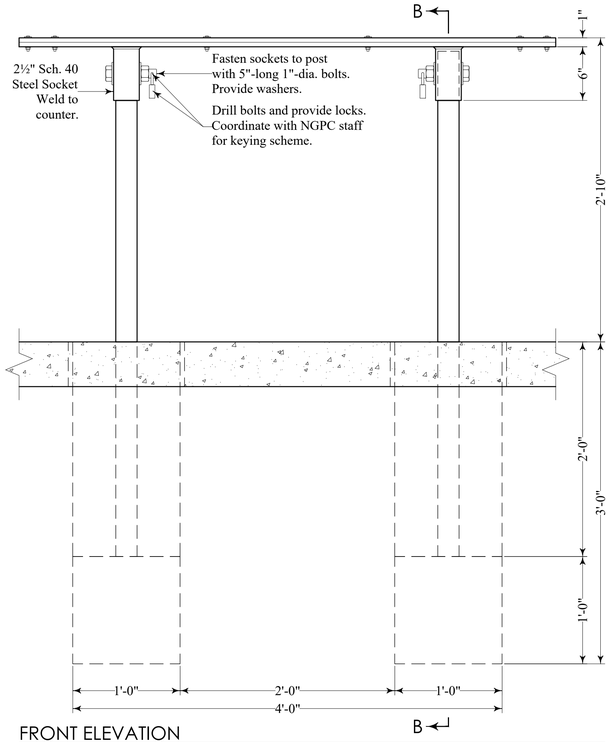
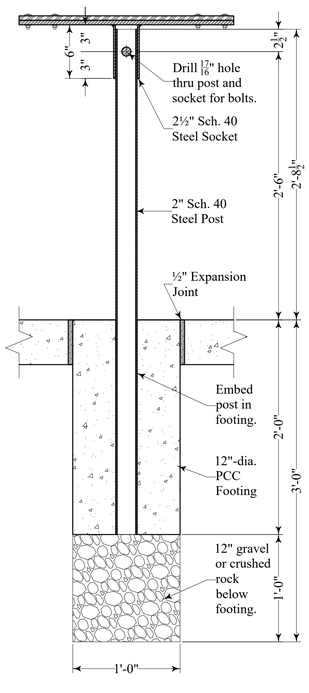


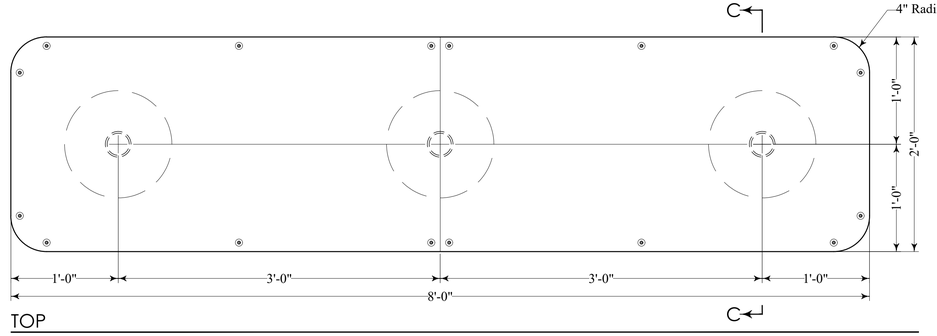
FRONT ELEVATION



SECTION B

TABLE

SCALE : 1½" = 1'-0"



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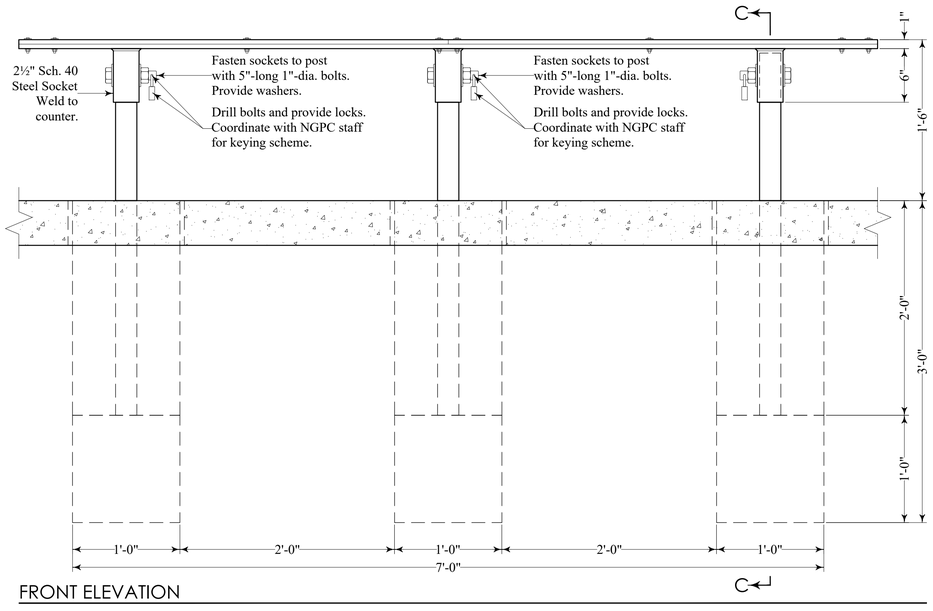

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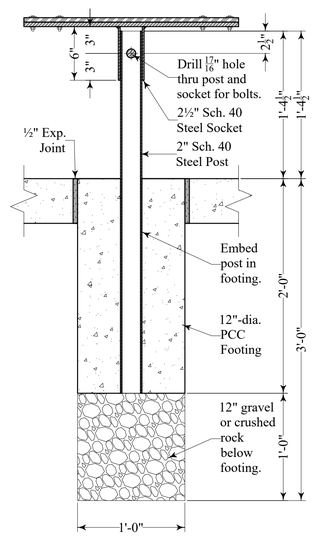


SECTION C

SPECTATOR BENCH

SCALE : 1½" = 1'-0"

FINISH NOTES

No NOTE

1. All locks shall be hot-dip galvanized or stainless steel.
2. All hardware - nuts, washers, bolts, and screws - shall be stainless steel.
3. The vertical posts and the welded seat and counter assemblies shall be powder coated.
4. Coordinate with NGPC staff for color.

Scale : 1½" = 1'-0"
0" 2" 4" 6" 1'-0" 1'-6" 2'-0"
0" ¼" ½" ¾" 1½" 2¼" 3"
Original 24"×36"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

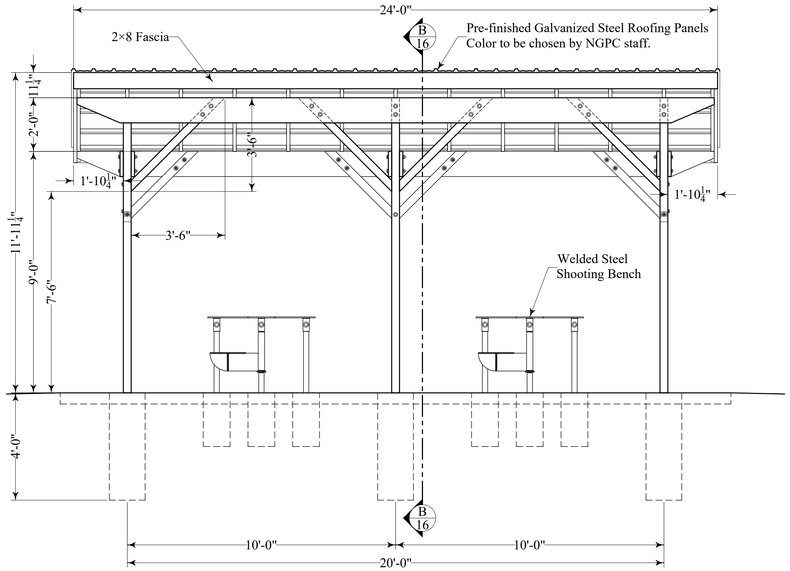
SHEET NUMBER 15 OF 16

PROJECT: Range Development

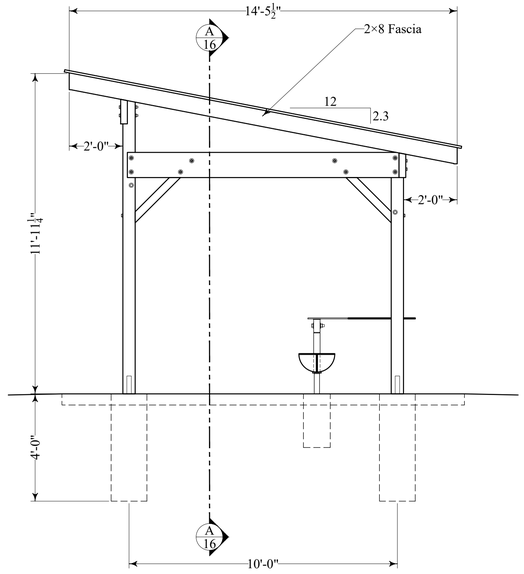
LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS:
Part of Alternate Bid No. 3 : Benches
Table, Spectator Bench

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



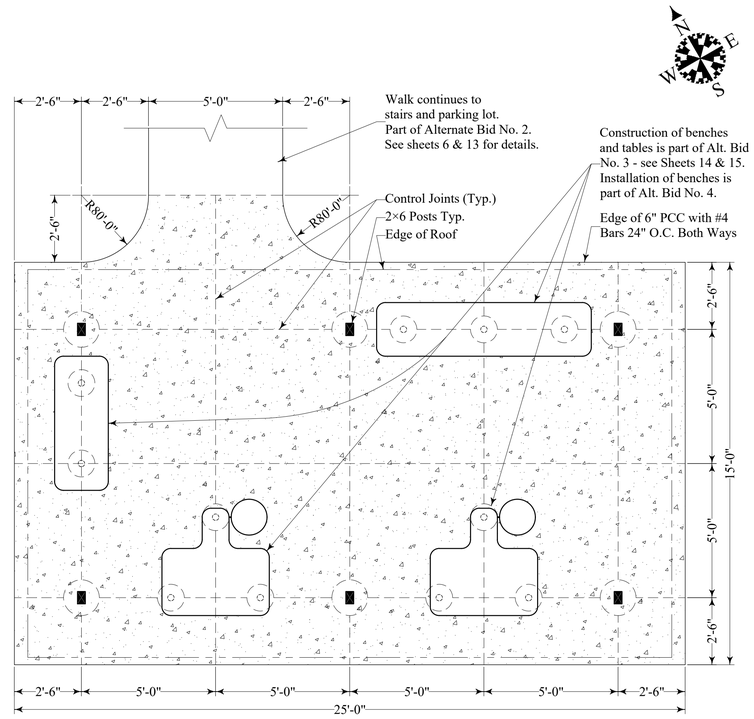
LONG ELEVATION



SHORT ELEVATION

SHELTER ELEVATIONS

SCALE : ⅜" = 1'-0"



SHELTER FLOOR PLAN

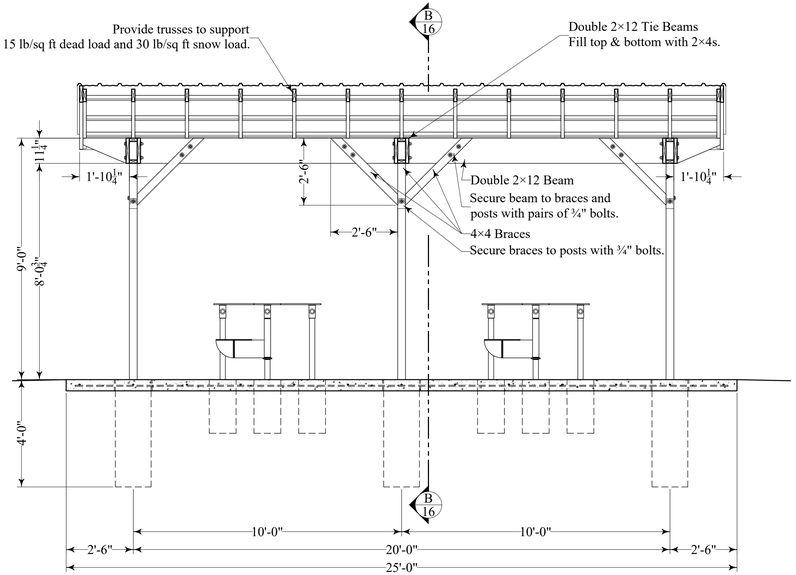
SCALE : ⅜" = 1'-0"

Scale : ⅜" = 1'-0"

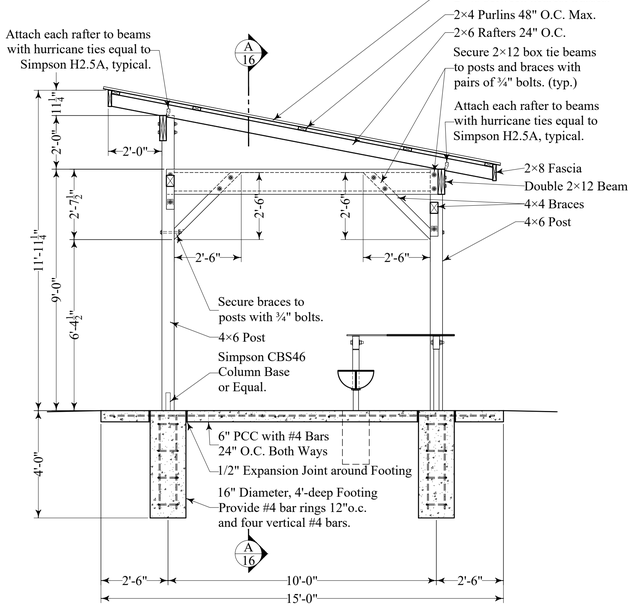
0' 1' 2' 3' 4' 5' 6' 7' 8'

0" ⅜" ¾" 1⅛" 1½" 1⅞" 2¼" 2⅝" 3"

Original 24"×36"



LONGITUDINAL SECTION A



TRANSVERSE SECTION B

SHELTER SECTIONS

SCALE : ⅜" = 1'-0"

NEBRASKA GAME AND PARKS COMMISSION | ENGINEERING DIVISION

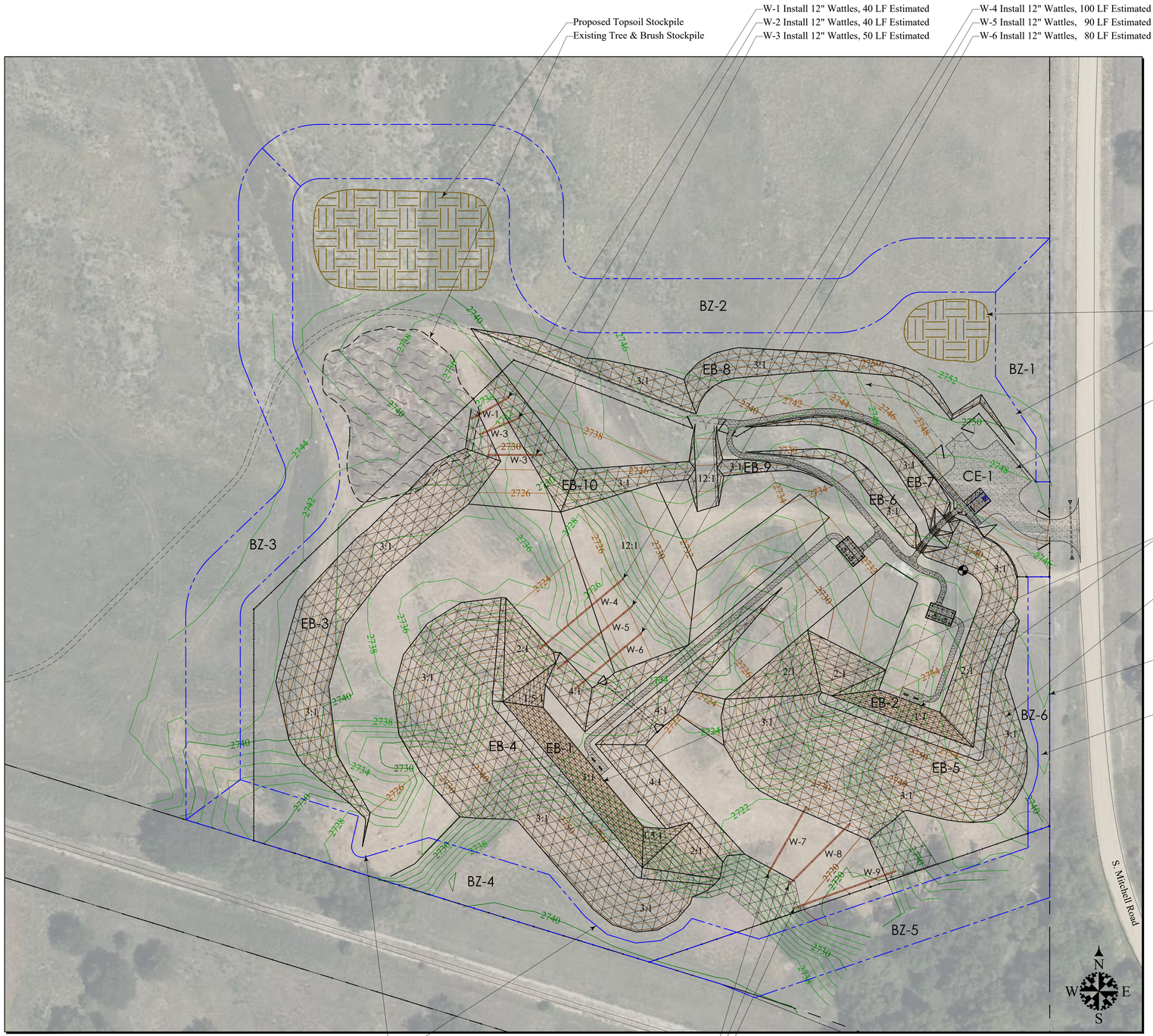
SHEET NUMBER 16 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: Alternate Bid No. 4 Shelter Elevations, Shelter Floor Plan, Shelter Sections

DESIGN/DRAWN BY: C.J.C.
DATE: Mar. 26, 2024



BZ-4 shall be 50' wide except that it may be reduced to 50' wide to accommodate crest of cut and toe of berm.

W-7 Install 12" Wattles, 70 LF Estimated
W-8 Install 12" Wattles, 80 LF Estimated
W-9 Install 12" Wattles, 100 LF Estimated

Scale : 1" = 50'
0' 25' 50' 75' 100' 125' 150' 175' 200'
0" ½" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
SCALE : 1" = 50'

SWPPP BEST MANAGEMENT PRACTICES

No.	BMP	NOTE
1	VP-1	Maintain a stabilized vehicle and parking area.
2	SA-1	Install and maintain a sanitary waste receptacle per Standard Specification 9.6.3, Omaha Regional Stormwater Manual.
3	TR-1	Install and maintain a solid waste receptacle per Standard Specification 9.6.3, Omaha Regional Stormwater Manual.
4	FA-1	Install and maintain a designated vehicle and equipment Fueling Area per Standard Specification 9.6.6, Omaha Regional Stormwater Manual.
5	MS-1	Install and maintain a Material delivery and Storage area per Standard Specification 9.6.4, Omaha Regional Stormwater Manual.
6	CO-1	Construct and maintain a Concrete Washout in accordance with City of Omaha Standard Plate 101-06.
7	BZ-1 - BZ-6	Maintain an undisturbed vegetated buffer zone, 50' wide unless noted otherwise, to slow stormwater and to capture silt.
8	CE-1	Maintain a stabilized construction entrance per Standard Specification 9.5.5, Omaha Regional Stormwater Manual.
9	EB-1 - EB-10	Install and maintain erosion control blankets. Prevent or repair formation of rills and gullies below erosion control measures.
10	W-1 to W-9	Install and maintain 12" diameter wattles as shown per Standard Specification 9.5.25, Omaha Regional Stormwater Manual. Wattles shall extend at least 1' vertically up the banks of the drainage path.

NOTE : Sites for VP-1, SA-1, TR-1. FA-1, MS-1, and CO-1 will be determined when construction is read to begin.

Proposed Topsoil Stockpile

Relax 50' buffer to allow a 20' wide construction route to the proposed topsoil stockpile.

Construction Entrance CE-1
Utilize existing gravel parking and new ¾" crusher-run limestone parking areas. Coordinate phasing with contractor. See Sheets 2 and 6 of the project Plans for parking area dimensions and details.

SLOPE STABILIZATION

1. Stabilize with seed & cover as earthwork is completed.
2. See Specifications & Sheet 9 for seeding details.
3. See Specifications & Sheet 10 for erosion control blankets.
4. Low slopes < 4H:1V shall be stabilized with straw cover.

On Slopes 1.5H:1V through 1H:1V, install a steep-slope erosion control blanket (See Spec. 02210).
1. North American Green BioNet C125BN, Coconut.
2. North American Green BioNet C700BN, Coconut.
3. American Excelsior Company Curlex III Fibernet, Excelsior&Jute

On Slopes 4H:1V through 2H:1V and on the crests of the berms, install a moderate-slope erosion control blanket equal to:
1. North American Green BioNet S150BN, Straw
2. American Excelsior Company Curlex I NetFree, Wood Excelsior

Note that the east buffer zones are less important because runoff from the east is captured by ditches on both sides of S. Mitchell road, and because drainage on NGPC property there is to the south.

BZ-6 shall be 20' wide generally, but may be relaxed to 10' wide to accommodate toe of berm.

SWPPP EST. QUANTITIES

ITEM	SUBTOTAL QTY.	UNITS	TOTAL QTY.	UNITS
STEEP SLOPE BLANKETS				
EB-1	900	SY		
EB-2	300	SY		
TOTAL STEEP SLOPE BLANETS :			1,200	SY
MODERATE SLOPE BLANKETS				
EB-3	1,900	SY		
EB-4	5,500	SY		
EB-5	4,600	SY		
EB-6	200	SY		
EB-7	400	SY		
EB-8	900	SY		
EB-9	100	SY		
EB-10	700	SY		
TOTAL MODERATE SLOPE BLANETS :			14,300	SY
12" DIA. WATTLES				
W-1	40	LF		
W-2	40	LF		
W-3	50	LF		
W-4	100	LF		
W-5	90	LF		
W-6	80	LF		
SF-7	70	LF		
SF-8	80	LF		
SF-9	100	LF		
TOTAL WATTLES :			650	LF
Salvage Gravel Surfacing			900	SY
6"-thick Washed Gravel Surfacing			120	TN
5"-thick ¼" Crusher-run Limestone Surf.			70	TN
Seeding, Low Slope Mix			4.3	AC
Seeding, Steep Slope Mix			3.2	AC
Erosion Control Blanket, Mod. Slope			14,300	SY
Erosion Control Blanket, Steep Slope			1,200	SY
Straw Cover			8.4	TN

SWPPP LEGEND

- Existing Tree & Brush Pile
- Buffer Zone
- Steep Slope Erosion Control Blanket
- Topsoil Stockpile
- 12" Wattles
- Moderate Slope Erosion Control Blanket

NEBRASKA GAME AND PARKS COMMISSION — ENGINEERING DIVISION

SHEET NUMBER 2 OF 2

PROJECT: Range Development - SWPPP

LOCATION: Cedar Valley Wildlife Management Area | PR: 21-196

DRAWING CONTAINS: Stormwater Pollution Prevention Plan (SWPPP), Legend, Best Management Practices, Est. Quantities

DESIGN/DRAWN BY: C.J.C.
DATE: Jan. 23, 2026

SECTION 02210
SEEDING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections apply to work specified in this section.

1.2 DESCRIPTION OF WORK

A. Work Included

1. Seeding and mulching.

B. Delivery, Storage, and Handling

1. The seeding mixture types specified and bid for this project shall be supplied, handled, planted, fertilized and maintained by Contractor in accordance with the seed producer's published recommendations.
2. Deliver grass seed in original containers showing analysis of seed mixture, percentage of pure seed, year of production, net weight, date of packaging and location of packaging. Damaged packages are not acceptable.

1.3 REFERENCES

A. Codes and Standards: Comply with provisions of following codes, specifications and standards, except where more stringent requirements are shown or specified:

1. State of Nebraska Department of Transportation (NDOT)
   a. Reference to the *Standard Specifications* refers to the *Standard Specifications for Highway Construction*, 2017 English Edition.
   b. Reference to the *Roadside Vegetation Manual* refers to *NDOT Roadside Vegetation Establishment and Management*, 2020 English Edition.

PART 2 – PRODUCTS

2.1 SEED MIXTURE

A. Berms and Slopes Steeper than 4H:1V

STEEP SLOPE MIX

Species	*Minimum Purity (percent)*	*Lbs. of PLS per acre*
Canada Wildrye – Mandan, Nebraska Native	85	4.0
Virginia Wildrye – Omaha, Cuivre River, Nebraska Native	85	3.0
Western Wheatgrass – Barton	85	4.0
Indiangrass – Holt, Nebraska-54, Oto, Chief	75	2.0
Switchgrass – Blackwell, Nebraska-28, Trailblazer	90	1.5
Big Bluestem – Bonanza, Champ, Kaw, Pawnee	60	3.0
Little bluestem – Aldous, Blaze, Camper, Cimarron, Pastura, Nebraska native	60	4.0
Sideoats Grama – Butte, Trailway	75	3.0
Tall Dropseed (Sporobolus compositus)	85	0.5
Purple Prairie Clover – inoculated *-or-* Partridge Pea – inoculated	90	0.5 *-or-* 0.25
Rocky Mountain Bee Plant (Cleome serrulata)	85	0.3

Black-eyed Susan (Rudbeckia hirta)	85	0.5
Mexican Red Hat (Ratibida columnifera, red)	85	0.5
Oats/Wheat (wheat in the fall)	90	12.0

B. Flat Areas and Slopes 4H:1V and Flatter.

LOW SLOPE MIX

Species	*Minimum Purity (percent)*	*Lbs. of PLS per acre*
Grasses		
Big Bluestem – Bonanza, Champ, Kaw, Pawnee	60	0.5
Indiangrass – Holt, Nebraska-54, Oto, Chief	75	0.5
Switchgrass – Blackwell, Nebraska-28, Trailblazer	90	0.5
Little Bluestem – Aldous, Blaze, Camper, Cimarron, Pastura, Nebraska native	60	0.5
Canada Wildrye – Mandan, Nebraska Native	85	0.1
Western Wheatgrass – Barton	85	0.3
Tall Dropseed (Sporobolus compositus)	85	0.5
Green Needlegrass	75	0.5
Sideoats Grama – Butte, Trailway	75	0.4
Wildflowers		
Partridge Pea – inoculated	90	0.2
Biennial Evening Primrose (Oenothera biennis)	-	0.03
Canada Milkvetch	-	0.1
Bee Balm (Monarda fistulosa)	-	0.05
Oxeye (Heliopsis helianthoides)	-	0.1
Illinois Bundleflower – inoculated	90	0.1
Roundhead Bushclover	-	0.05
Black-eyed Susan (Rudbeckia hirta)	85	0.02
Ironweed	-	0.1
Common Milkweed	75	0.1
Dotted Gayfeather	-	0.07
Rocky Mountain Bee Plant (Cleome serrulata)	85	0.1
Upright Prairie Coneflower (Ratibidia columnifera)	85	0.1

C. PLS (pure live seed) is a term used in the seed industry to describe the percentage of a quantity of seed that will germinate. It is a tool for comparing the quality of seed lots.

PART 3 – EXECUTION

3.1 WHEN TO PLANT

A. Prior to planting the roadside seed mixture, install all erosion control Best Management Practices (BMPs) that require earth moving, such as sediment basins, dikes and berms, in the area to be seeded.

B. Seeding operations shall be performed only during the periods March 1 to July 1, and August 1 to December 1. If conditions allow, dormant seeding may be permitted (case-

by-case) from December 1 through March 1.

C. No seeding shall be performed when the ground is frozen, wet or otherwise untillable, or when even distribution of materials cannot be attained.

D. If seed mixtures need to be stored until planting conditions are right, keep the seed cool and dry (temperature + humidity should total less than 100 F).

3.2 SEEDBED PREPARATION

A. The seed bed shall be prepared not more than 5 days prior to seeding.

B. In heavily vegetated areas to be seeded, mow existing vegetation growth that cannot be disked under. Rake and remove the mowing residue if it cannot be acceptably tilled into the seedbed. Till existing weed stubble, small weeds, and other vegetation into the soil during seedbed preparation.

C. Seedbed preparation culminates in loosening the soil to a depth of not less than 3 inches with a disk, harrow, rake, or by other approved means. Several passes may be required, depending on soil conditions, to provide a satisfactory seedbed. Disking, harrowing, and raking shall be done parallel to the land contour.

D. When salvaged topsoil is available for use or composted manure is specified, disking after spreading the materials will reduce large clumps and evenly distribute the soil.

E. Extreme care shall be exercised to avoid injury to trees and shrubs that have been designated to be preserved.

F. Seedbed preparation should not be performed when soils are excessively wet.

3.3 PLANTING THE SEED MIXTURE

A. Seed should be planted by using a seed drill. Broadcast seeding is allowed only in areas where erosion control blanket will be placed over the seed. This method is used where slopes generally are too steep for seeding machinery to be operated safely or in areas requiring unique seeding operations. Hydroseeding is not permitted on state projects.

B. Seed Drills:

1. Seed drills shall be equipped with press wheels or drag chains. The seed delivery system shall space rows no greater than 8 inches apart and shall be capable of metering seed at the rate specified in the special provisions.
2. Planting depth is critical to good germination. If planted too shallow, the seeding will dry out and if too deep, the seedlings will not emerge. Seed shall not be planted greater than ½ inch deep. In sandy soil, plant at ½ inch depth or shallower, because the movement of sand particles may bury the seed.

C. Broadcast Seeders:

1. After seeding with a broadcast seeder the area shall be harrowed or raked, except where slopes are too steep to operate equipment, as determined by the Project Manager.
2. Seeded areas should be soil-packed to reduce evaporation and provide good soil-seed contact.

3.4 MULCH

A. This work shall consist of providing, placing and securing mulch on newly-seeded areas.

B. Mulch shall be dry cured native prairie hay, native grass hay from seed growing operations, native grass hay from planted warm season grass stands, OR threshed grain straw.

C. Brome hay is not allowed.

D. Rushes, cattails, reed-canary grass and other wide-bladed or invasive species are not allowed.

E. Hay or straw in a stage of decomposition so advanced as to “powder” in the mulch blower

will be rejected.

F. Straw shall be from threshed oats, wheat, or rye. Rye straw shall not be used in any wheat-growing area. The straw shall be baled before the seasonal growth of annual weeds.

G. Both native hay mulch and straw mulch shall be CERTIFIED NOXIOUS WEED FREE (certification can be performed by the county weed superintendent, the RDCU, or other authorized agents approved by the RDCU) and relatively free from seeds of other weeds.

H. Apply the mulch within 24 hours after planting the seed. The mulch shall be applied uniformly over tilled areas with a mulch blowing machine.

I. The mulch shall be loose enough to allow some sunlight to penetrate and air to circulate, but thick enough to shade the ground, reduce water evaporation and reduce wind and water erosion.

J. The mulch application rate is 2 tons per acre for dry cured native hay.

K. Immediately following the spreading of the mulch, the material shall be disk-anchored to the soil by a mulch crimper with approximately 6 inch cleats or other approved equipment with perpendicular, dull disk blades.

L. All mulch shall be crimped the same day it is applied. More than one crimping pass may be necessary.

3.5 EROSION CONTROL BLANKETS

A. Slopes 4H:1V or steeper shall be protected with erosion control blankets.

B. Straw/coir and coir ECBs with 100% biodegradable thread shall be used. No plastic threading or netting, even when it is photodegradeable, is allowed.

C. For slopes 4H:1V through 2H:1V, use an erosion control blanket equal to one of the following:

1. North American Green BioNet S150BN, Straw Erosion Control Blanket
2. American Excelsior Company Curlex I NetFree, Wood Excelsior.

D. For slopes 1.5H:1V through 1H:1V, use an erosion control blanket equal to one of the following:

1. North American Green BioNet C125BN, Coconut Erosion Control Blanket.
2. North American Green BioNet C700BN, Coconut Erosion Control Blanket.
3. American Excelsior Company Curlex III Fibernet, Wood Excelsior & Jute Netting.

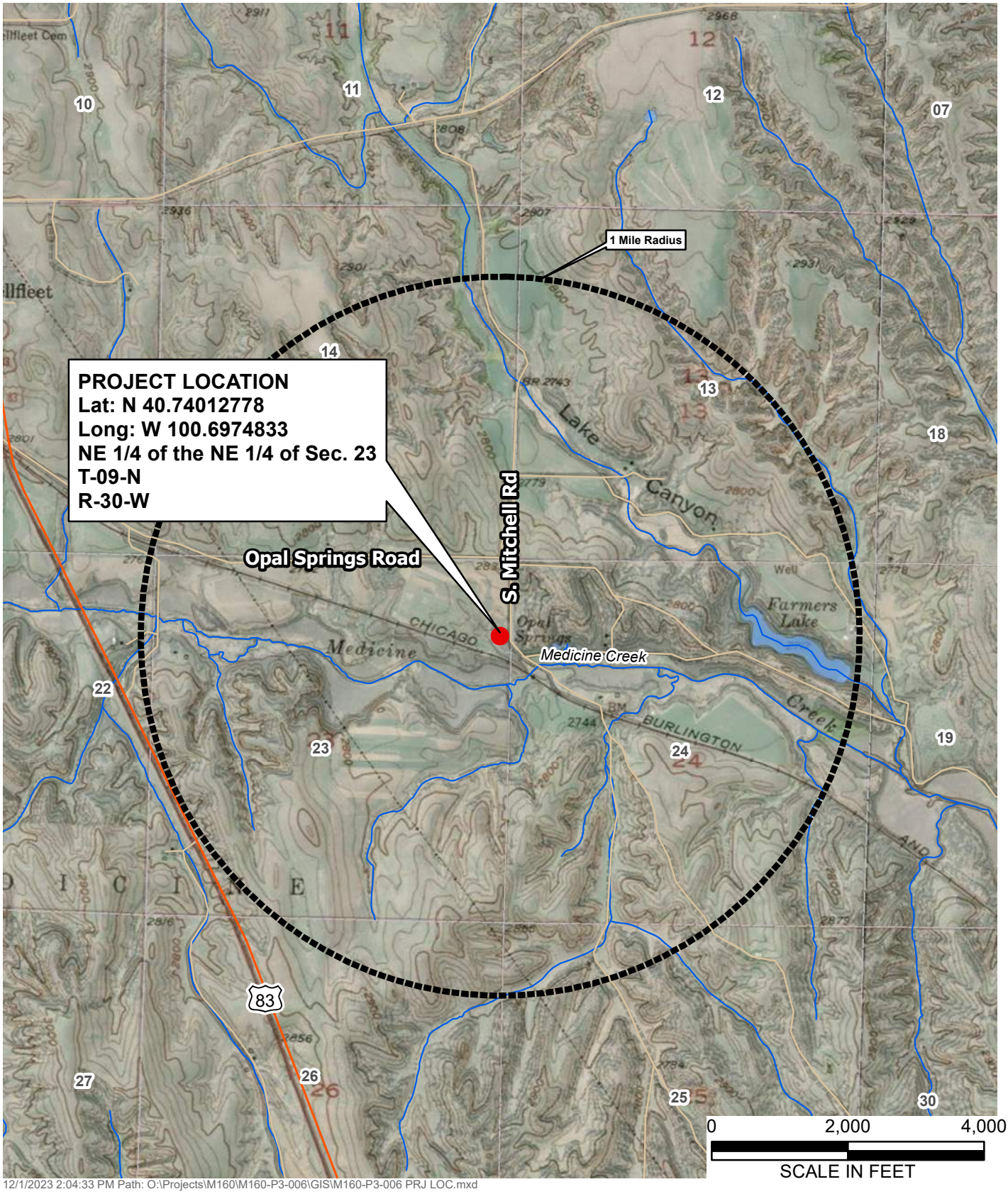
E. For all slopes hydroseeding systems equal to Profile HP-FGM and ET-FGM following all application / loading procedures for slope conditions.

END OF SECTION

Appendix B

Project Location Map
Residencies Proximity Map

R 30 W



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12/1/2023

Prepared By:

MILCO
Environmental Services, Inc.
1111 Central Avenue
Kearney, NE 68847
Tel: 308-237-5923
Fax: 308-234-1146
Email: info@milcoinc.com

N
W E
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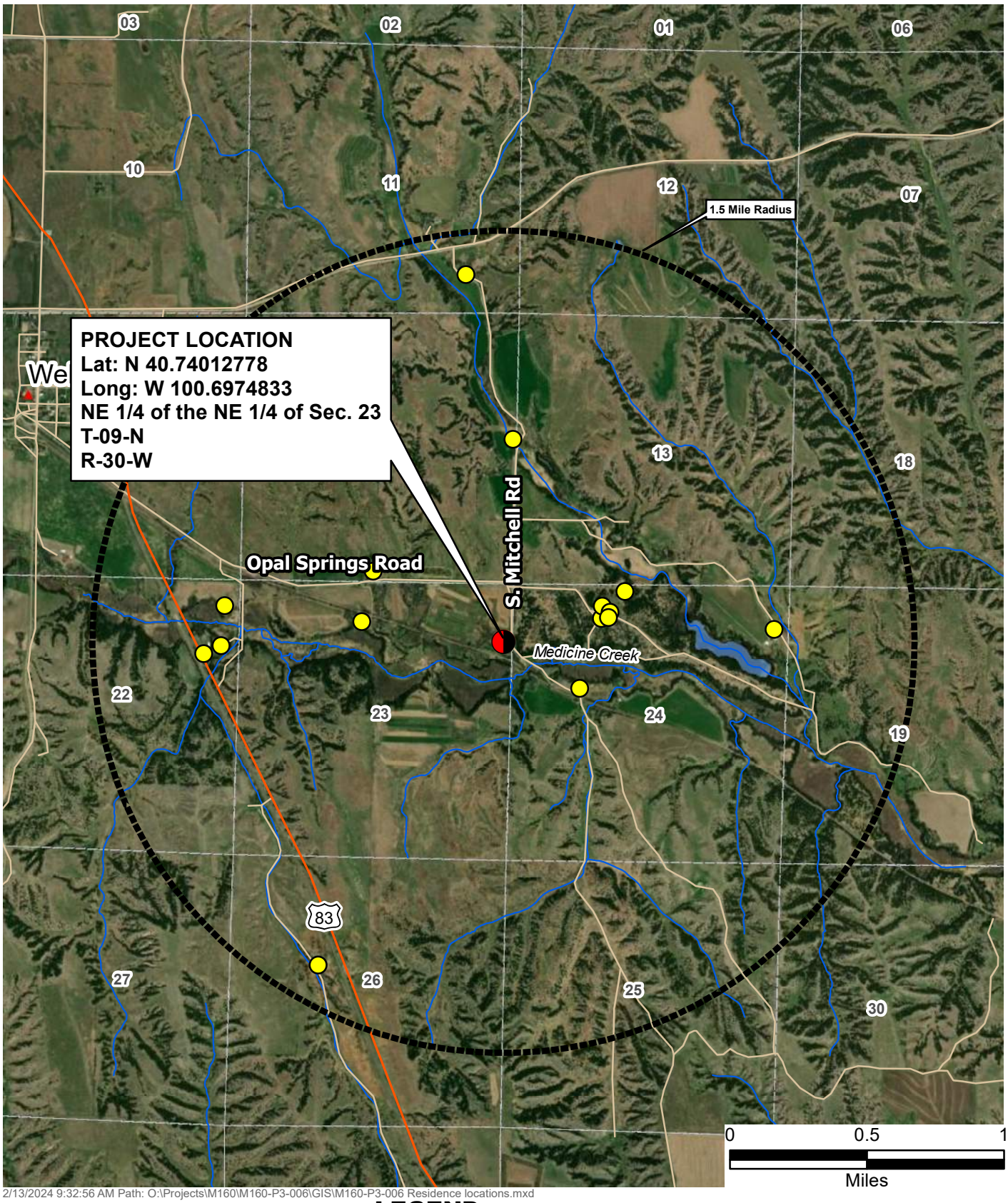
Note:

1. Aerial Photography acquired from: ESRI World Imagery REST Service, 04/24/2019

Project Location
NGPC Cedar Valley WMA

Project M160-P3-006
Wellfleet, Nebraska



2/13/2024 9:32:56 AM Path: O:\Projects\M160\M160-P3-006\GIS\M160-P3-006 Residence locations.mxd

2/13/2024

Prepared By:

MILCO
Environmental Services, Inc.
1111 Central Avenue
Kearney, NE 68847
Tel: 308-237-5923
Fax: 308-234-1146
Email: info@milcoinc.com

N
W E
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LEGEND

Residence

1.5 Mile Radius

Note:

1. Aerial Photography acquired from: ESRI World Imagery REST Service, 04/24/2019

Residence Proximity

Project M160-P3-006
Wellfleet, Nebraska

Appendix C

Submitted Agency Consultation Letters

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

IN REPLY REFER TO:
FWS/R6/CI

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Matthew Tselee
Chairman
Apache Tribe of Oklahoma
511 East Colorado
Anadarko, OK 73005

Dear Chairman Tselee:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

Enclosures:

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

IN REPLY REFER TO:
FWS/R6/CI

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Ryman Lebeau
Chairman
Cheyenne River Sioux Tribe of the Cheyenne River Reservation
P.O. Box 590 (24 E. Street)
Eagle Butte, SD 57625

Dear Chairman Lebeau:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Steven Vance, THPO, Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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Denver, Colorado 80225

August 21, 2025

The Honorable Reggie Wassana
Governor
Cheyenne and Arapaho Tribes, Oklahoma
700 Black Kettle Blvd
Concho, OK 73022

Dear Governor Wassana:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Max Bear, THPO, Cheyenne and Arapaho Tribes, Oklahoma

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

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Denver, Colorado 80225

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Denver, Colorado 80225

August 21, 2025

The Honorable Peter Lengkeek
Chairman
Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota
P.O. Box 50
Fort Thompson, SD 57339

Dear Chairman Lengkeek:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Merle Marks, THPO, Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

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Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Clyde Estes
Chairman
Lower Brule Sioux Tribe of the Lower Brule Reservation, South Dakota
187 Oyate Circle
Lower Brule, SD
57548

Dear Chairman Estes:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with

this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

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Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Serena Wetherelt
President
Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana
P.O. Box 128
Lame Deer, MT
59043

Dear President Wetherelt:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Teanna Limpy, THPO, Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

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Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Frank Star Comes Out
President
Oglala Sioux Tribe
320 Pineridge
Kyle, SD
57752

Dear President Star Comes Out:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Justin Pourier, THPO *Acting*, Oglala Sioux Tribe

Enclosures:

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United States Department of the Interior

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STREET LOCATION:
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Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Misty Nuttle
President
Pawnee Nation of Oklahoma
P.O. Box 470
Pawnee, OK
74058

Dear President Nuttle:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Joseph Reed, THPO Director, Pawnee Nation of Oklahoma

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

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Mountain-Prairie Region

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Denver, Colorado 80225

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Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Scott O. Herman
President
Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota
P.O. Box 750
Rosebud, SD
57570

Dear President Herman:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Ione Quigley, THPO, Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota

Enclosures:

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United States Department of the Interior

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Mountain-Prairie Region

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Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Alonzo Denney
Chairman
Santee Sioux Nation, Nebraska
425 Frazier Ave. N. Suite 2
Niobrara, NE
68760

Dear Chairman Denney:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with

this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Larry Thomas, THPO *Acting*, Santee Sioux Nation, Nebraska

Enclosures:

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

IN REPLY REFER TO:
FWS/R6/CI

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Janet Alkire
Chairperson
Standing Rock Sioux Tribe of North & South Dakota
P.O. Box D
Fort Yates, ND
58538

Dear Chairperson Alkire:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Jon Eagle, THPO, Standing Rock Sioux Tribe of North & South Dakota

Enclosures:

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
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United States Department of the Interior

FISH AND WILDLIFE SERVICE
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Denver, Colorado 80225

August 21, 2025

The Honorable Keenan Groesbeck
Chairman
Northern Arapaho Tribe of the Wind River Reservation, Wyoming
P.O. Box 67
St. Stevens, WY 82524

Dear Chairman Groesbeck:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800. Your offices were notified of this Undertaking by Keith Tillotson of Miller & Associates Consulting Engineers, P.C. on December 6th, 2023. The CV WMA proposed design remains the same; however, the intent of this letter is to initiate official federal consultation in accordance with Section 106 of the NHPA.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Ben Ridgley, THPO, Northern Arapaho Tribe of the Wind River Reservation, Wyoming

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

IN REPLY REFER TO:
FWS/R6/CI

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Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Grant Johnson
President
Prairie Island Indian Community of Minnesota
5636 Sturgeon Lake Rd
Welch, MN 55089

Dear President Johnson:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Noah White, THPO, Prairie Island Indian Community of Minnesota

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

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Mountain-Prairie Region

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Denver, Colorado 80225

STREET LOCATION:
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Denver, Colorado 80225

August 21, 2025

The Honorable Cole Miller
Chairman
Shakopee Mdewakanton Sioux Community
2330 Sioux Trail N.W.
Prior Lake, MN 55372

Dear Chairman Miller:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

The proposed shooting range project (the Undertaking) is approximately 2.2 miles southeast of Wellfleet, Nebraska between Opal Spring and Medicine Creek and is located within the 880-acre CV WMA (*Figure 1*). The proposed rifle range will be 100-yards long and ten (10) feet wide with two (2) shooting lanes. The smallbore range will be 25-yards long and ten (10) feet wide with two (2) shooting lanes. The Undertaking will include the construction of a gravel path, soil backstops, sidewalks, shooting benches, a walking trail and parking spaces (*Figure 2*). The Area of Potential Effect (APE) considered in this Undertaking includes the entirety of the 8.6-acres of the construction work limits and included a search radius of 1-mile to identify cultural resources that have been previously recorded within the area. The APE consists of an area previously utilized for crop and pasture rotation adjacent to an actively used railroad.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Leonard Wabasha, THPO Director of Cultural Resources, Shakopee Mdewakanton Sioux Community

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

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Denver Federal Center
Denver, Colorado 80225

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1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Justin Gray Hawk Sr.
Chief
Assiniboine and Sioux Tribes
P.O. Box 1027
Poplar, MT 59255

Dear Chief Gray Hawk:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Dyan Youpee, THPO Cultural Resources Department, Assiniboine and Sioux Tribes

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

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Denver, Colorado 80225

August 21, 2025

The Honorable J. Garret Renville
Chairman
Sisseton Wahpeton Oyate of the Lake Traverse Reservation
P.O. Box 907
Sisseton, SD 57262

Dear Chairman Renville:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Dianne Desrosiers, THPO, Sisseton Wahpeton Oyate of the Lake Traverse Reservation

Enclosures:

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Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

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United States Department of the Interior

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Mountain-Prairie Region

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Denver, Colorado 80225

August 21, 2025

The Honorable Robert Flying Hawk
Chairman
Yankton Sioux Tribe
P.O. Box 1153
Wagner, SD 57380

Dear Chairman Flying Hawk:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Colten Archambeau, THPO, Yankton Sioux Tribe

Enclosures:

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
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United States Department of the Interior

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Mountain-Prairie Region

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Denver, Colorado 80225

August 21, 2025

The Honorable Thora Padilla
President
Mescalero Apache Tribe
P.O. Box 227
Mescalero, NM 88340

Dear President Padilla:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

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An Archaeological Survey of the APE was completed in November 2020 by the Nebraska State Historical Society State Archaeology Office (HP# 2009-078-01). The survey received concurrence from the Nebraska State Historic Preservation Office with a finding of *No Historic Properties Affected* in December 2020. Please find the report and concurrence correspondence provided with this letter (*Attachment 1*).

Please see the full list of all tribal parties notified of the Undertaking (*Attachment 2*). If there are additional parties that should be included in this notification that are not on this list, reply to this

letter at your earliest convenience to notify the Service of your request or concern.

The Service recognizes that your Tribe may have a deep, spiritual, historic, and cultural connection to the landscape of Lincoln County, Nebraska, and appreciates any information you can provide. We thank you for your consideration and participation in this process. If there are any further questions or concerns, please contact Samantha Cooke, Fish and Wildlife Biologist for the Mountain-Prairie (Region 6) with the Service at samantha_cooke@fws.gov or 303-562-6613.

Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Holly Houghten, THPO, Mescalero Apache Tribe

Enclosures:

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Mountain-Prairie Region

IN REPLY REFER TO:
FWS/R6/CI

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80225

STREET LOCATION:
1 Denver Federal Center
Building 53, Room FW-100
Denver, Colorado 80225

August 21, 2025

The Honorable Adrian Notsinneh
President
Jicarilla Apache Nation
P.O. Box 507
Dulce, NM 87528

Dear President Notsinneh:

The Nebraska Game & Parks Commission (NGPC) is proposing to construct a shooting range at Cedar Valley Wildlife Management Area (CV WMA) near Wellfleet, Lincoln County, Nebraska. Federal funds granted through the Federal Aid in Wildlife Restoration Act of 1937 (Pittman-Robertson Act, 16 U.S.C. § 669 et seq) and dispersed by the Office of Conservation Investment (CI) of the U.S. Fish & Wildlife Service (Service) to NGPC will be used for the proposed project. Therefore, this project is a federal Undertaking as defined by 36 CFR 800.16(y), and the Service is the lead federal agency responsible for compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA; 54 U.S.C. § 306108), and its implementing regulations, 36 CFR Part 800.

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Sincerely,

Clinton Riley
Regional Manager
Office of Conservation Investment

CC: Jeff Blythe, THPO, Jicarilla Apache Nation

Enclosures:

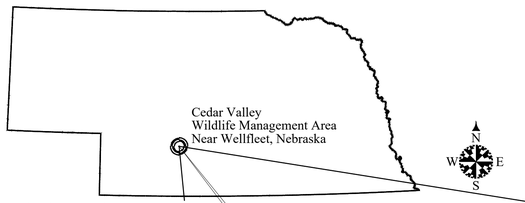
Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska
Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range Project

Attachment 1. Cedar Valley WMA Rifle Range Cultural Resource Survey Report
Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

Figure 1. Vicinity Map of Cedar Valley WMA Rifle Range, Lincoln County, Nebraska

NEBRASKA GAME PARKS

RANGE DEVELOPMENT
CEDAR VALLEY WILDLIFE MANAGEMENT AREA



LOCATION MAP
NO SCALE

INDEX OF DRAWINGS

ITEM	PAGE
Cedar Valley WMA Aerial Photos Estimated Quantities Index of Drawings Location Map	1
Demolition Plan Site Plan	2
Grading Plan - North Grading Point Table - North	3
Grading Plan - Center & East Grading Point Table - Center Grading Point Table - East	4
Grading Plan - Southwest Grading Point Table - Southwest	5
Parking Lot, Stair & PCC Walk Plan Parking Lot Surfacing Point Table Stair Surfacing Point Table	6
Stationing Plan Maintenance Trail Surface Points WMA Trail Surface Points Accessible Walk Surfacing Points Rifle Range Surfacing Points Smallbore Range Surfacing Points	7
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Alternate Bid No. 1 : Fence & Gates Fencing Plan Fencing Points	11
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Part of Alternate Bid No. 3 : Benches Table Spectator Bench	15
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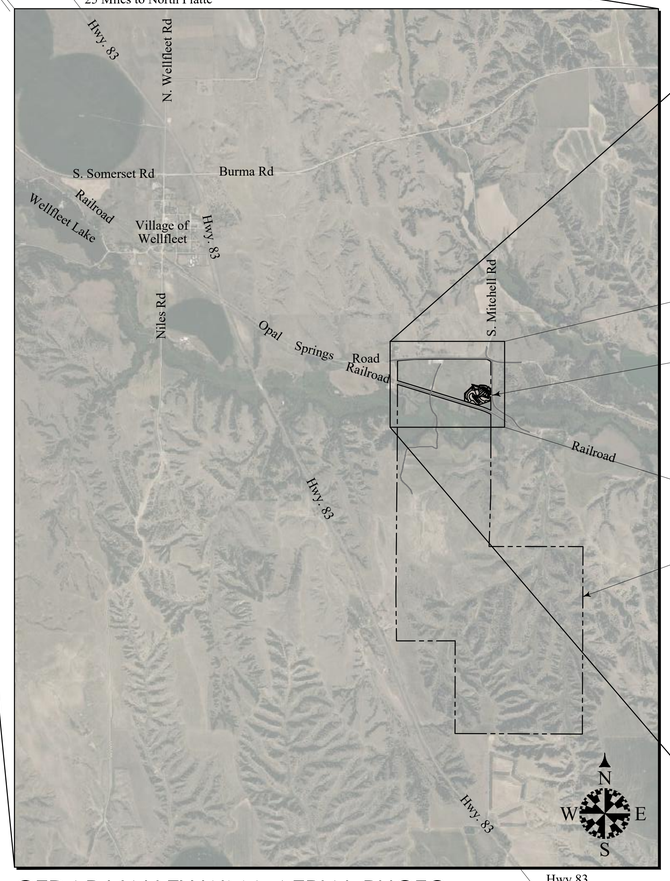


CEDAR VALLEY WMA AERIAL PHOTO
SCALE : 1" = 2000'

NORTH END OF CEDAR VALLEY WMA AERIAL PHOTO
SCALE : 1" = 200'

Scale : 1" = 2000'
0' 1000' 2000' 3000' 4000' 5000' 6000' 7000' 8000' 9000' 10000'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4" 4½" 5"
Original 24"×36"

Scale : 1" = 200'
0' 100' 200' 300' 400' 500' 600' 700' 800' 900' 1000'
0" ¼" ½" ¾" 1" 1½" 2" 2½" 3" 3½" 4" 4½" 5"
Original 24"×36"

BASE BID EST. QUANTITIES

ITEM	QTY.	UNITS
Demo Barbed Wire Fence	680	LF
Demo Wood Rail Fence	275	LF
Salvage Gravel Surfacing	900	SY
Grub & Pile Stumps	1	LS
Strip Topsoil	4,000	CY
Subsoil Excavation	36,000	CY
Subsoil Embankment Compacted in Place	26,000	CY
Replace & Finish Grade Topsoil	4000	CY
36-in CMP	60	LF
36-in CMP Flared End Sections	2	EA
12-in CMP (By Lincoln County)	50	LF
12-in CMP Flared End Sections (By Lincoln Co.)	2	EA
6"-thick Washed Gravel Surfacing	120	TN
5"-thick ¼" Crusher-run Limestone Surfacing	70	TN
Seeding, Low Slope Mix	4.3	AC
Seeding, Steep Slope Mix	3.2	AC
Erosion Control Blanket, Moderate Slope	14300	SY
Erosion Control Blanket, Steep Slope	1,200	SY
Straw Cover	8.4	TN

ALTERNATE BID No. 1
FENCE & GATES
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Barbed Wire Fence	2,110	LF
24-ft 2-leaf Vehicle Swing Gates	3	EA
4-ft 1-leaf Pedestrian Swing Gates	2	EA
20-ft Wire Vehicle Gates	3	EA
"Danger - Shooting Range" Signs	14	EA

ALTERNATE BID No. 2
PCC PARKING, WALK & STAIRS
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
6-in PCC Accessible Parking Pad w/Thick Edge	36	SY
5-ft wide, 6-in thick PCC Walks	130	SY
PCC Stair Flights	3	EA
Accessible Parking Sign & Post	1	EA
Accessible Parking Pad Striping	1	LS
Wheelstops	1	EA

ALTERNATE BID No. 3
BENCHES
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Shooting Benches	4	EA
Tables	2	EA
Spectator Benches	2	EA

ALTERNATE BID No. 4
SHELTERS
ESTIMATED QUANTITIES

ITEM	QTY.	UNITS
Install Steel Benches & Tables	8	EA
PCC Floor Slabs	2	EA
Shelters	2	EA

APPROVED

DEPUTY DIRECTOR _____ DATE _____

DIVISION ADMINISTRATOR _____ DATE _____

NEBRASKA GAME AND PARKS COMMISSION

ENGINEERING DIVISION

SHEET NUMBER 1 OF 16

PROJECT: Range Development

LOCATION: Cedar Valley Wildlife Management Area

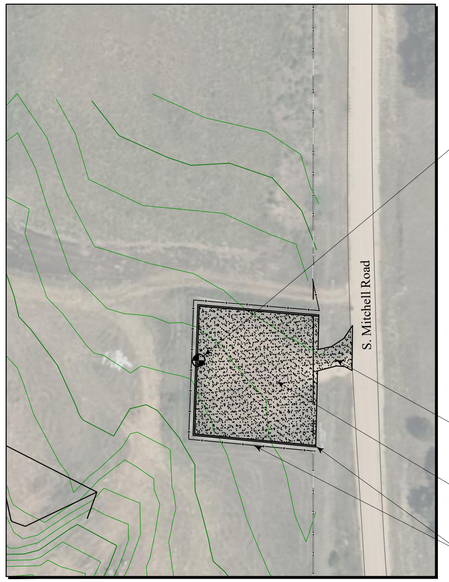
PR: 21-196

DRAWING CONTAINS: Location Map, Cedar Valley WMA Aerial Photos, Estimated Quantities, Index of Drawings

DESIGN/DRAWN BY: C.J.C.

DATE: Mar. 26, 2024

Figure 2. Site Plan of Proposed Cedar Valley WMA Rifle Shooting Range



Control Point
1,447,234.51 N
331,275.96 E
EL. 2,742.81 ASL

Remove existing access to county road.

Salvage existing gravel. Re-use it for base under new parking lot surfacing.

Demo existing barbed wire and wood rail fences.

DEMOLITION PLAN
SCALE : 1" = 50'

NOTE - STUMP REMOVAL
Numerous stumps, mostly 6" to 18" in diameter, exist in the project area, especially toward the bottom of the existing draw. It is the responsibility of the Contractor to grub them out and remove them from the construction site.

SITE PLAN
SCALE : 1" = 50'

Scale : 1" = 50'
0' 25' 50' 75' 100' 125' 150' 175' 200'
0" ½" 1" 1½" 2" 2½" 3" 3½" 4"
Original 24"×36"

N W E S

Know what's below. Call before you dig.

NEBRASKA GAME AND PARKS COMMISSION		ENGINEERING DIVISION
SHEET NUMBER 2 OF 16		PROJECT: Range Development
		LOCATION: Cedar Valley Wildlife Management Area / PR: 21-196
		DRAWING CONTAINS: - Demolition Plan, Site Plan / DESIGN/DRAWN BY: C.J.C. DATE: Mar. 26, 2024

History NEBRASKA

Preserving the past. Building the future.

12/9/2020

Jeff Rawlinson
Nebraska Game and Parks Commission
VIA EMAIL

RE: HP# 2009-078-01; Cedar Valley WMA Rifle Range, Lincoln County, Nebraska

Mr. Rawlinson,

Thank you for submitting the cultural resource survey report prepared for the above referenced project for Nebraska State Historic Preservation Office (NeSHPO) review and comment. Our comment on this project and its potential to affect historic properties is required by Section 106 of the National Historic Preservation Act of 1966, as amended in 2014, and implementing regulations 36 CFR Part 800.

This report documents the results of a cultural resources investigation prior to the project. Based on the information provided, the proposed undertaking is unlikely to affect any cultural resources listed on the National Register of Historic Places or eligible for such a listing. Therefore, the NeSHPO concurs that the determination of **no historic properties affected** is appropriate for this undertaking and the project should proceed as planned.

However, even though the project occurs within an area that has been evaluated by a professional archeologist, there is the possibility that buried or otherwise obscured cultural or human remains may be discovered during the undertaking. If any such discovery is made, please contact this office immediately for further instruction.

Be advised that this determination does not necessarily reflect the opinion of Native American Tribes that may have an interest in the area, nor does it pertain to Traditional Cultural Properties, if they exist in the area.

Please retain this correspondence and your documented finding in order to show compliance with Section 106 of the National Historic Preservation Act, as amended and submit this letter to the project's lead federal agency to fulfill the statutory obligation of Section 106 consultation with the NeSHPO. If you have any questions, please contact me at john.swigart@nebraska.gov or 402-471-2609.

Sincerely,

John Swigart
Preservation Archeologist

1500 R Street
Lincoln, NE 68508-1651
P: 402.471.3270
P: 800.833.6747
F: 402.471.3100
history.nebraska.gov

Swigart, John

From: Rawlinson, Jeff
Sent: Tuesday, December 8, 2020 10:32 AM
To: Swigart, John
Cc: Gerber, Tiffani
Subject: FW: Cedar Valley Rifle Range archeology survey
Attachments: Cedar Valley Rifle Range Archeology Report.pdf

John
Please accept this as the final historical review for a project proposed for the Cedar Valley WMA. Thanks
Jeff

From: Bozell, Rob <rob.bozell@nebraska.gov>
Sent: Friday, December 4, 2020 2:50 PM
To: Rawlinson, Jeff <jeff.rawlinson@nebraska.gov>
Cc: Gerber, Tiffani <tiffani.gerber@nebraska.gov>; Paitz, Katie <katie.paitz@nebraska.gov>
Subject: Cedar Valley Rifle Range archeology survey

Hi Jeff,

We completed the archeological survey of the referenced project and no archeological sites were found. You will need to submit the attached report to John Swigart at SHPO for review and when you do reference HP# 2009-078-01.

Thanks !

Rob Bozell
State Archeologist

History NEBRASKA

5050 North 32nd Street
Lincoln, Nebraska 68504
402-525-1624
rob.bozell@nebraska.gov | history.nebraska.gov

Preserving the Past. Building the Future

History NEBRASKA ARCHEOLOGY Nebraska State Historical Society

State Archeology Office

Project Survey Summary

Control Number: SHPO # 2009-078-01

Project Number: NA **Project Name:** Cedar Valley Rifle Range

County: Lincoln **Nearest Water:** Medicine Creek

Legal Description:

NE 1/4 NE 1/4 of Sec. 23 T9N R30W

APE Description (Add Maps):

The APE includes all areas that may see construction for the Cedar Valley Rifle Range (see attached map).

Maps Used: Project maps, Aerials, USGS 7.5 Curtis NW Topo map

Project Character (Attach Project Description):

Rifle Range Construction

Project Length/Area: 8.6 Acres

Survey Length/Area: 8.6 Acres

Detour? ☒ No ☐ Yes, without Constr. Activities ☐ Yes, w/ Constr. Activities

Date(s) of Archeological Survey: 11-23-20

Name(s) of Survey Personnel: Nolan Johnson, Talon O' Connor

Person-Hours of Fieldwork: 11

Ground Cover (%-Visibility)

Mowed weeds 25-75%, grass and trees 0-10%, erosional features and side slopes 50-95%

Survey Interval/Provisions:

Five to ten meter zig zag transects were used. Subsurface testing was also performed.

Rationale for Non-surveyed Areas:

The entire APE was surveyed.

Results of Survey:

☒ **No Archeological Resources Discovered**

☐ **Site(s) Discovered** Site Numbers:

☐ **Other** (explain)

Project Effect Determination for Archeology

☒ **No Historic Properties Affected:** ☒ None Present ☐ Present but Not Affected

☐ **No Adverse Effect**

☐ **Adverse Effect**

Are Further Archeological Investigations Warranted? ☐ Yes ☒ No

Is THPO Consultation Recommended by Sponsor Agency? ☐ Yes ☐ No **List Tribes:** Needs to be determined by lead federal agency.

Stipulations/Exceptions to Survey Results: Evaluate Buried Cultural Remains if Encountered.

Comments:

Prepared by: Nolan Johnson **Date:** 11-30-20

Subsurface Tests

Auger Test #	Depth (cm)	Diameter	Description (cm)	Artifact
1	55	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
2	40	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
3	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
4	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
5	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
6	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
7	52	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
8	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
9	47	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
10	44	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
11	60	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
12	63	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
13	104	4 inches	silt loam, loess, hard, softer and lighter with depth, some CaCO2 at bottom	NO
14	66	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
15	60	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
Shovel Test #	**Depth (cm)**	**Diameter (cm)**	**Description**	**Artifact**
1	38	35	very hard and dry, 0-27 cm 10YR 4/3 silt loam, 27-35 cm 10YR 6/3 silt loam	NO

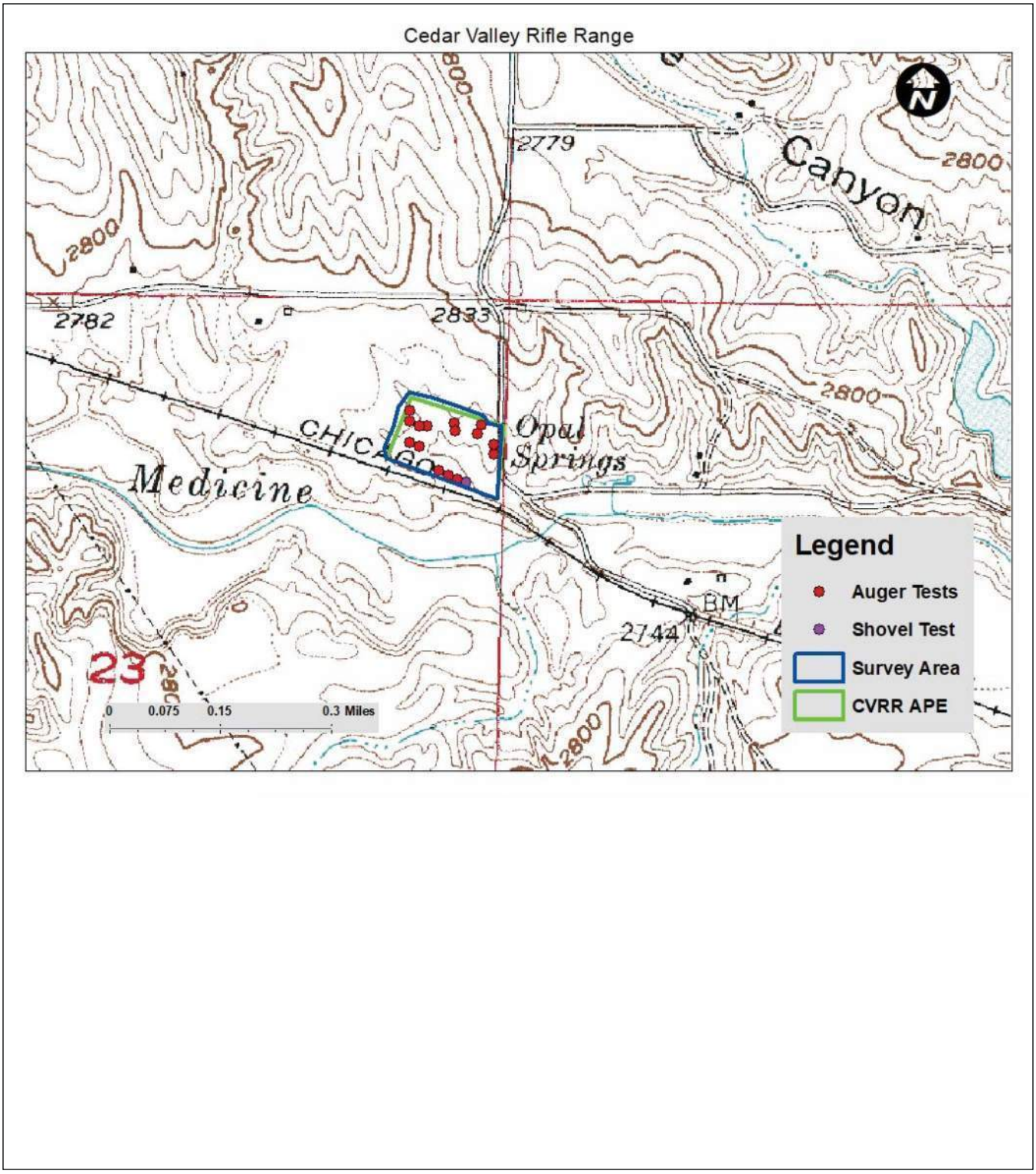
History NEBRASKA ARCHEOLOGY Nebraska State Historical Society

State Archeology Office

Project Survey Summary Map/Image Sheet

Control Number: SHPO # 2009-078-01

Project Number: Cedar Valley Rifle Range



History NEBRASKA ARCHEOLOGY
Nebraska State Historical Society

State Archeology Office

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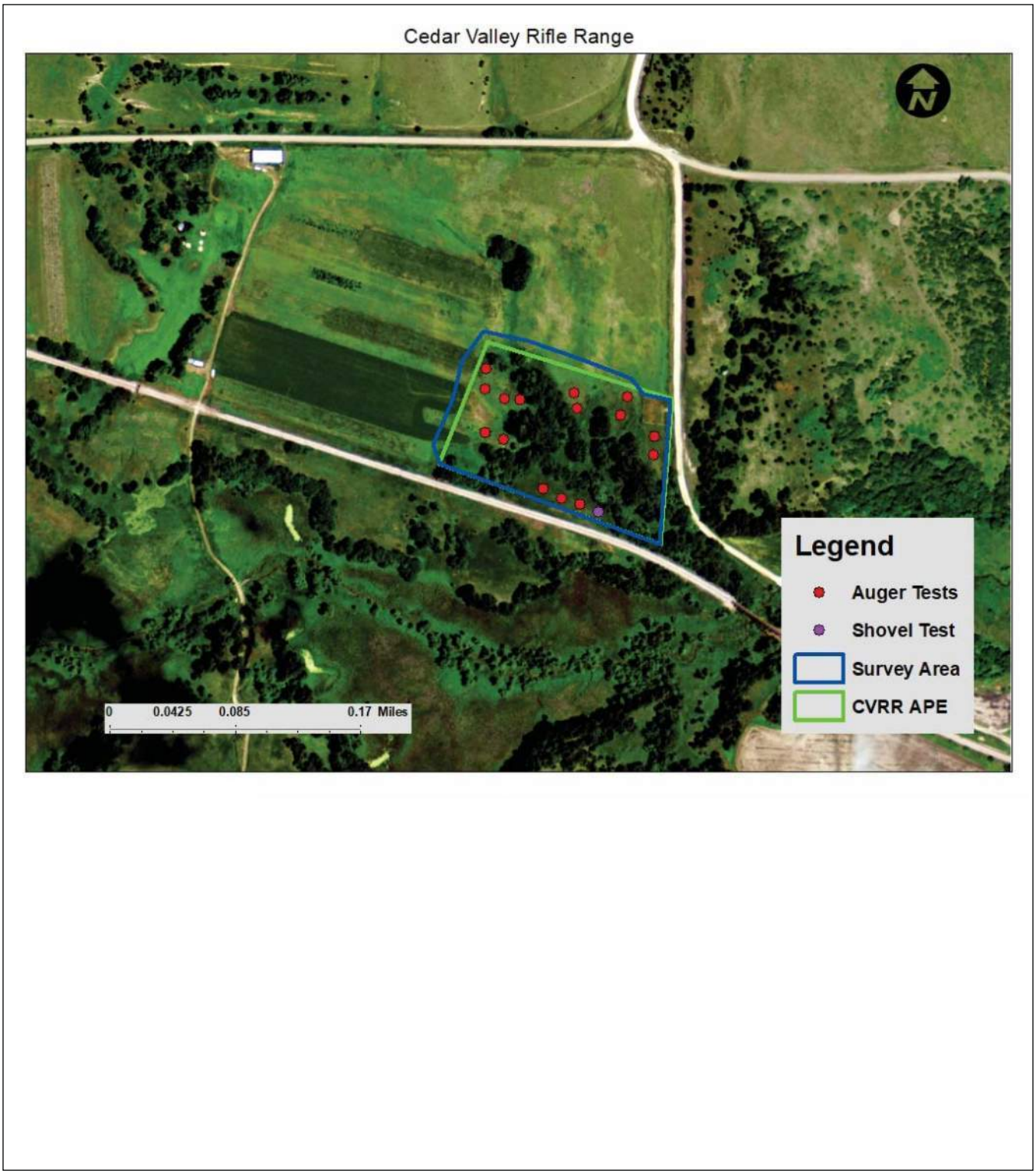

Attachment 2. List of Tribes Consulted for the Proposed Cedar Valley WMA Rifle Range Project

Tribal Name	Last Name	First Name	Title	Street Address	City	State	Zip Code
Apache Tribe of Oklahoma	Tselee	Matthew	Chairman	511 East Colorado	Anadarko	OK	73005
Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota	Lebeau	Ryman	Chairman	P.O. Box 590 (24 E. Street)	Eagle Butte	SD	57625
Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota	Vance	Steven	THPO	P.O. Box 590	Eagle Butte	SD	57625
Cheyenne and Arapaho Tribes, Oklahoma	Wassana	Reggie	Governor	100 Red Moon Circle	Concho	OK	73022
Cheyenne and Arapaho Tribes, Oklahoma	Bear	Max	THPO	700 Black Kettle Blvd	Concho	OK	73022
Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota	Lengkeek	Peter	Chairman	100 Drifting Goose Street	Fort Thompson	SD	57339
Crow Creek Sioux Tribe of the Crow Creek Reservation, South Dakota	Marks	Merle	THPO	P.O. Box 50	Fort Thompson	SD	57339
Lower Brule Sioux Tribe of the Lower Brule Reservation, South Dakota	Estes	Clyde	Chairman	187 Oyate Circle	Lower Brule	SD	57548
Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana	Wetherelt	Serena	President	600 Cheyenne Avenue South	Lame Deer	MT	59043
Northern Cheyenne Tribe of the Northern Cheyenne Indian Reservation, Montana	Limpy	Teanna	THPO	P.O. Box 128	Lame Deer	MT	59043
Oglala Sioux Tribe	Star Comes Out	Frank	President	Highway 18 Main Street	Pine Ridge	SD	57770
Oglala Sioux Tribe	Pourier	Justin	THPO Acting	320 Pineridge	Kyle	SD	57752
Pawnee Nation of Oklahoma	Nuttle	Misty	President	881 Little Dee Drive	Pawnee	OK	74058
Pawnee Nation of Oklahoma	Reed	Joseph	THPO Director	P.O. Box 470	Pawnee	OK	74058
Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota	Herman	Scott O.	President	11 Legion Avenue	Rosebud	SD	57570
Rosebud Sioux Tribe of the Rosebud Indian Reservation, South Dakota	Quigley	Ione	THPO	P.O. Box 750	Rosebud	SD	57570
Santee Sioux Nation, Nebraska	Denney	Alonzo	Chairman	108 Spirit Lake Avenue West	Niobrara	NE	68760
Santee Sioux Nation, Nebraska	Thomas	Larry	THPO Acting	425 Frazier Ave. N. Suite 2	Niobrara	NE	68760
Standing Rock Sioux Tribe of North & South Dakota	Alkire	Janet	Chairperson	North Standing Rock Avenue Building 1	Fort Yates	ND	58538
Standing Rock Sioux Tribe of North & South Dakota	Eagle	Jon	THPO	P.O. Box D	Fort Yates	ND	58538
Northern Arapaho Tribe of the Wind River Reservation, Wyoming	Groesbeck	Keenan	Chairman	P.O. Box 67	St. Stevens	WY	82524
Northern Arapaho Tribe of the Wind River Reservation, Wyoming	Ben	Ridgley	THPO	P.O. Box 67	St. Stevens	WY	82524
Prairie Island Indian Community of Minnesota	Johnson	Grant	President	5636 Sturgeon Lake Rd	Welch	MN	55089

Tribal Name	Last Name	First Name	Title	Street Address	City	State	Zip Code
Prairie Island Indian Community of Minnesota	White	Noah	THPO	5636 Sturgeon Lake Rd	Welch	MN	55089
Shakopee Mdewakanton Sioux Community	Miller	Cole	Chairman	2330 Sioux Trail N.W.	Prior Lake	MN	55372
Shakopee Mdewakanton Sioux Community	Wabasha	Leonard	THPO Director	2330 Sioux Trail N.W.	Prior Lake	MN	55372
Assiniboine and Sioux Tribes	Gray Hawk Sr.	Justin	Chief	P.O. Box 1027	Poplar	MT	59255
Assiniboine and Sioux Tribes	Youpee	Dyan	THPO	P.O. Box 1027	Poplar	MT	59255
Sisseton Wahpeton Oyate of the Lake Traverse Reservation	Renville	J. Garret	Chairman	P.O. Box 907	Sisseton	SD	57262
Sisseton Wahpeton Oyate of the Lake Traverse Reservation	Desrosiers	Dianne	THPO	P.O. Box 907	Sisseton	SD	57262
Yankton Sioux Tribe	Flying Hawk	Robert	Chairman	P.O. Box 1153	Wagner	SD	57380
Yankton Sioux Tribe	Archambeau	Colten	THPO	P.O. Box 1153	Wagner	SD	57380
Mescalero Apache Tribe	Padilla	Thora	President	P.O. Box 227	Mescalero	NM	88340
Mescalero Apache Tribe	Houghten	Holly	THPO	P.O. Box 227	Mescalero	NM	88340
Jicarilla Apache Nation	Notsinneh	Adrian	President	P.O. Box 507	Dulce	NM	87528
Jicarilla Apache Nation	Blythe	Jeff	THPO	P.O. Box 507	Dulce	NM	87528

December 6, 2023
Kearney, Nebraska

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Ave. Kearney, NE 68847-6833

Tel: 308-234-6456
Fax: 308-234-1146
www.miller-engineers.com

Nebraska Department of Transportation
Division of Aeronautics
Attn: Anna Lannin
P.O. Box 82088
Lincoln, NE 68501-2088

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ms. Lannin:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

The purpose of this letter is to request your review and response regarding any environmental impacts that your Agency may identify for this proposed project pursuant to the National Environmental Policy Act.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

Digitally signed by Keith Tillotson
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Date: 2023.12.06 14:25:00-06'00'

Keith Tillotson
Environmental Technician

Enclosures

December 6, 2023
Kearney, Nebraska

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Ave. Kearney, NE 68847-6833

Tel: 308-234-6456
Fax: 308-234-1146
www.miller-engineers.com

Bobby Komardley
Chairman
Apache Tribe of Oklahoma
P.O. Box 1330
Anadarko, Oklahoma 73005

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Komardley:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.
Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.
We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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December 6, 2023
Kearney, Nebraska

Max Bear
Tribal Historic Preservation Officer
Cheyenne and Arapaho Tribes, Oklahoma
P.O. Box 167
Concho, OK 73022

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Bear:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

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Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Environmental Technician

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December 6, 2023
Kearney, Nebraska

Steven Vance
Tribal Historic Preservation Officer
Cheyenne River Sioux Tribe of the Cheyenne River Reservation, South Dakota
P.O. Box 590
Eagle Butte, SD 57625

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Vance:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson
Environmental Technician

December 6, 2023
Kearney, Nebraska

Miller & Associates
CONSULTING ENGINEERS, P.C.
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www.miller-engineers.com

Mr. Jeremy Grauf
U. S. Army Corps of Engineers
NE State Regulatory Office
8901 South 154th St, Suite 1
Omaha, NE 68138-0723

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Grauf:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that your office review the proposed project to identify any Waters of the United States. A wetland delineation has not been completed. If Waters of the US are affected, please provide any recommendations you may have to mitigate or avoid these impacts to properties that may be affected.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Keith Tillotson
Environmental Technician

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Fax: 308-234-1146
www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Merle Marks
Tribal Historic Preservation Officer
Crow Creek Sioux Tribe of the Crow
Creek Reservation, South Dakota
P.O. Box 50
Fort Thompson, SD 57339

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Marks:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Keith Tillotson
Environmental Technician

December 6, 2023
Kearney, Nebraska

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Curt Inbody
Nebraska Department of Natural Resources
P. O. Box 94676
Lincoln, NE 68509-4676

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Inbody:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that your office review the proposed project for any effects on floodplains or any other natural resources under your jurisdiction. This project is not being constructed in a floodplain, based on the FEMA interactive map. We are also notifying the Middle Republican NRD.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Environmental Technician

December 6, 2023
Kearney, Nebraska

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Fax: 308-234-1146
www.miller-engineers.com

Mr. Jerry Woodruff
Lincoln County Commissioners
301 North Jeffers Street
North Platte, NE 69101

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Woodruff:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that the commissioners review the proposed project for any effects on natural resources under the County's jurisdiction. If resources are affected, please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

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www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Clyde Estes
Chairman
Lower Brule Sioux Tribe of the Lower
Brule Reservation, South Dakota
187 Oyate Circle
Lower Brule, SD 57548

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Estes:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Keith Tillotson
Environmental Technician

December 6, 2023
Kearney, Nebraska

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1111 Central Ave. Kearney, NE 68847-6833

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Fax: 308-234-1146
www.miller-engineers.com

Mr. Nick Chevance
Regional Environmental Coordinator
National Park Service
601 Riverside Dr.
Omaha, NE 68102

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Chevance:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that your office review the proposed project for any effects on Federally-listed National Trails. Please provide any recommendations you may have to mitigate or avoid these impacts, to properties that may be affected.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Environmental Technician

December 6, 2023
Kearney, Nebraska

Miller & Associates
CONSULTING ENGINEERS, P.C.
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Fax: 308-234-1146
www.miller-engineers.com

Alicia Boss
Nebraska Department of Environment and Energy
P.O. Box 98922
Lincoln, NE 68509-8922

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ms. Boss:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that your office review the proposed project for any effects on the natural resources under your jurisdiction. Please provide any recommendations you may have to mitigate or avoid these impacts to properties that may be affected.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

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Keith Tillotson
Environmental Technician

Enclosures

December 6, 2023
Kearney, Nebraska

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Fax: 308-234-1146
www.miller-engineers.com

Nebraska State Fire Marshal
Thermal/Explosive Hazards Division
Attn: Rosemary Hatton
246 South 14th Street
Lincoln, NE 68508-1804

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ms. Hatton:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

The purpose of this letter is to request your review and response regarding any environmental impacts that your Agency may identify for this proposed project pursuant to the National Environmental Policy Act.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Ben Ridgley
Tribal Historic Preservation Officer
Northern Arapaho Tribe of the Wind River Reservation, South Dakota
P.O. Box 67
St. Stevens, WY 82524

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Ridgley:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

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Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

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Environmental Technician

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December 6, 2023
Kearney, Nebraska

Teanna Limpy
Tribal Historic Preservation Officer
Northern Cheyenne Tribe of the Northern
Cheyenne Indian Reservation, Wyoming
P.O. Box 128
Lame Deer, MT 59043

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ms. Limpy:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

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Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

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December 6, 2023
Kearney, Nebraska

State Conservationist
Natural Resources Conservation Service
Attn: Carlos Villarreal
Federal Building – Room 152
100 Centennial Mall North
Lincoln, NE 68508-3866

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Villarreal:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We are requesting information on the possible effects of the proposed project on important farmland and prime rangeland and any recommendations you may have to minimize or avoid these effects. We also seek your assessment of the compatibility of the proposed project with State and local government or any private programs and policies to protect important farmland.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

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December 6, 2023
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Mr. Jack Russell
Middle Republican Natural Resources District
208 Center Avenue, P.O. Box 81
Curtis, NE 69025

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Russell:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

We request that your office review the proposed project for any effects on natural resources under your jurisdiction. If resources are affected, please provide any recommendations you may have to mitigate or avoid these impacts. We are also notifying the Nebraska Department of Natural Resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Justin Pourier
Acting Tribal Historic Preservation Officer
Oglala Sioux Tribe
320 Pineridge
Kyle, SD 57752

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Pourier:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson
Environmental Technician

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Ave. Kearney, NE 68847-6833
Tel: 308-234-6456
Fax: 308-234-1146
www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Joseph Reed
Tribal Historic Preservation Officer
Pawnee Tribe of Oklahoma
P.O. Box 470
Pawnee, Oklahoma 74058

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Reed:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Date: 2023.12.06 14:25:00-06'00'

Keith Tillotson
Environmental Technician

Miller & Associates
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1111 Central Ave. Kearney, NE 68847-6833

Tel: 308-234-6456
Fax: 308-234-1146
www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Ione Quigley
Tribal Historic Preservation Officer
Rosebud Sioux Tribe of the Rosebud
Indian Reservation, South Dakota
P.O. Box 750
Rosebud, SD 57570

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ione Quigley:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
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Environmental Technician

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www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Misty Frazier
Tribal Historic Preservation Officer
Santee Sioux Nation, Nebraska
425 Frazier Avenue North, Suite 2
Niobrara, NE 68760

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Ms. Frazier:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

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CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Environmental Technician

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1111 Central Ave. Kearney, NE 68847-6833

Tel: 308-234-6456
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www.miller-engineers.com

December 6, 2023
Kearney, Nebraska

Jon Eagle
Tribal Historic Preservation Officer
Standing Rock Sioux Tribe of North & South Dakota
P.O. Box D
Fort Yates, ND 58538

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
M&A Project No. M160-P3-006

Mr. Eagle:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

An archeological survey was performed November 23, 2020, and the Nebraska State Historic Preservation Officer determined “No Historic Properties Affected-None Present”.

Please advise us in accordance with Section 106 of the National Historic Preservation Act regarding adverse effects to cultural resources.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
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Environmental Technician

December 6, 2023
Kearney, Nebraska

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Tel: 308-234-6456
Fax: 308-234-1146
www.miller-engineers.com

Mr. Mark Porath
U. S. Fish and Wildlife Service
9325 South Alda Road
Wood River, NE 68883

RE: NGPC Cedar Valley WMA
Wellfleet, Nebraska
MILCO Project No. M160-P3-006

Mr. Porath:

The Nebraska Game and Parks Commission is in the process of performing of an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of a proposed rifle sight-in range at Cedar Valley Wildlife Management Area near Wellfleet, Lincoln County, Nebraska. The project consists of a 100-yard single lane rifle range and a 25-yard single lane pistol range. A detailed description is attached. These improvements may be partially funded by a Section 4 Grant from the U.S. Fish and Wildlife Service Pittman-Robertson funding for hunter education. The area to be impacted by construction encompasses approximately 8.6 acres. Enclosed is a location figure and a site plan drawing.

The proposed project does not represent a “major construction activity” as defined in 50 CFR 402.02. Please advise us of any concerns you may have related to possible effects of the project listed above on Federally-listed or proposed threatened or endangered species or critical habitat. The Nebraska Game and Parks Commission has also been notified through the Conservation and Environmental Review Tool (CERT).

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact me at 308-234-6456 or by e-mail at ktillotson@miller-engineers.com.

Sincerely,
MILLER & ASSOCIATES
CONSULTING ENGINEERS, P.C.

Keith Tillotson

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Date: 2023.12.06 14:25:00-06'00'

Keith Tillotson
Environmental Technician

Appendix D

USGS Waterbody Report

How's My Waterway?

Explore, Discover and Learn about our water.

aterbody eport

Medicine Creek
Assessment Unit ID: NE-RE3-10400

Waterbody Condition: Impaired (Issues Identified)

Existing Plans for Restoration: No

303(d) Listed: Yes

Year Reported: 2022

Organization Name (ID): Nebraska (21NEB001)

What type of water is this?
Stream/creek/river (18 Miles)

Where is this water located?
Headwaters to Hay Can on

essment Information from 2022

State or Tribal Nation specific designated uses:

Information on Water Quality Standards — Collapse All

Aesthetics — Good

Identified Issues for Use
No impairments evaluated for this use.

Other W ter Qu lity Parameters Evalu ted

No other parameters evaluated for this use.

Agricultural Water Supply Good

Identified Issues for Use

No impairments evaluated for this use.

Other Water Quality Parameters Evaluated

No other parameters evaluated for this use.

Aquatic Life Good

Identified Issues for Use

No impairments evaluated for this use.

Other Water Quality Parameters Evaluated

No other parameters evaluated for this use.

Primary Contact Recreation Impaired

Identified Issues for Use

Impaired Parameters	Plan in Place
Escherichia Coli (E. coli)	No

Other Water Quality Parameters Evaluated

No other parameters evaluated for this use.

Probable sources contributing to impairment from 2022:

No probable sources of impairment identified for th s w terbody.

Assessment Documents

No documents are available

Plans to Restore Water Quality

What plans are in place to protect or restore water quality?

No plans specified for this waterbody.

Proposed Cedar Valley Shooting Range

2/13/2024

1:72,224

0 0.47 0.95 1.9 mi

0 0.75 1.5 3 km

Nebraska Game & Parks Commission, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

- Waterbody: Good
- Waterbody: Impaired
- Waterbody: Condition Unknown
- USGS Sensors

Permitted Discharger

HUC12 Boundaries

Searched Location

Surrounding Past Water Conditions

Location

Appendix E

USDA NRCS Custom Soil Resource Report for Lincoln County Nebraska

FEMA Floodplain Map

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Lincoln County, Nebraska

Cedar Valley WMA

December 20, 2023

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:1,490 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 20 40 80 120

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lincoln County, Nebraska
Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 5, 2022—Aug 9, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2534	Coly silt loam, 17 to 30 percent slopes	4.1	50.3%
8870	Hord silt loam, 1 to 3 percent slopes	0.7	9.0%
8872	Hord silt loam, 3 to 6 percent slopes	3.3	40.7%
Totals for Area of Interest		**8.1**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Lincoln County, Nebraska

2534—Coly silt loam, 17 to 30 percent slopes

Map Unit Setting

National map unit symbol: 2twd4
Elevation: 1,660 to 3,000 feet
Mean annual precipitation: 19 to 30 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 140 to 190 days
Farmland classification: Not prime farmland

Map Unit Composition

Coly and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Coly

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loess

Typical profile

A - 0 to 5 inches: silt loam
AC - 5 to 10 inches: silt loam
C - 10 to 79 inches: silt loam

Properties and qualities

Slope: 17 to 30 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 13.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R073XY101KS - Limy Slopes
Hydric soil rating: No

Minor Components

Hobbs, frequently flooded

Percent of map unit: 5 percent
Landform: Drainageways
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R073XY108KS - Loamy Floodplain
Hydric soil rating: No

Uly

Percent of map unit: 5 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave
Across-slope shape: Convex
Ecological site: R073XY100KS - Loamy Plains
Hydric soil rating: No

8870—Hord silt loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2vzkv
Elevation: 1,300 to 3,180 feet
Mean annual precipitation: 21 to 27 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 137 to 167 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Hord and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hord

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

Ap - 0 to 20 inches: silt loam
Bw - 20 to 36 inches: silt loam
C - 36 to 79 inches: silt loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 6 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 12.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Ecological site: R071XY028NE - Loamy Lowland
Hydric soil rating: No

Minor Components

Hobbs, frequently flooded

Percent of map unit: 8 percent
Landform: Drainageways
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: R071XY028NE - Loamy Lowland
Hydric soil rating: No

Cozad

Percent of map unit: 6 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R071XY028NE - Loamy Lowland
Hydric soil rating: No

Fillmore, frequently ponded

Percent of map unit: 1 percent
Landform: Playas
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: R071XY027NE - Closed Upland Depression
Hydric soil rating: Yes

8872—Hord silt loam, 3 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1v149
Elevation: 1,000 to 3,000 feet
Mean annual precipitation: 20 to 22 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 135 to 155 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Hord and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Hord

Setting

Landform: Hillslopes
Landform position (three-dimensional): Base slope
Down-slope shape: Concave, convex
Across-slope shape: Linear
Parent material: Colluvium and/or loess

Typical profile

H1 - 0 to 6 inches: silt loam
H2 - 6 to 35 inches: silt loam
H3 - 35 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 3 to 7 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Available water supply, 0 to 60 inches: Very high (about 12.1 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R073XY119KS - Loamy Terrace
Other vegetative classification: Silty - Veg. zone 2 (072XY036NE_2)
Hydric soil rating: No

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National Flood Hazard Layer FIRMette

FEMA

100°42'10"W 40°44'38"N

100°41'33"W 40°44'11"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/20/2023 at 3:26 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix F

US Fish and Wildlife National Wetland Inventory Map

U.S. Fish and Wildlife Service
National Wetlands Inventory

Cedar Valley WMA

December 7, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Appendix G

US Fish and Wildlife IPaC 2024-0024386
Nebraska Game and Parks Environmental Review Report, December 7, 2023
Nebraska Game and Parks Environmental Review Report, December 30, 2025

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Nebraska Ecological Services Field Office
9325 B South Alda Rd., Ste B
Wood River, NE 68883-9565
Phone: (308) 382-6468 Fax: (308) 384-8835

In Reply Refer To: December 07, 2023
Project Code: 2024-0024386
Project Name: Cedar Valley Wildlilfe Management Area Rifle Range Development Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service (fws.gov).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Nebraska Ecological Services Field Office
9325 B South Alda Rd., Ste B
Wood River, NE 68883-9565
(308) 382-6468

PROJECT SUMMARY

Project Code: 2024-0024386

Project Name: Cedar Valley Wildlilfe Management Area Rifle Range Development Project

Project Type: Recreation - New Construction

Project Description: NE 1/4 of NE 1/4 of Section 23, T9N, R30W, Lincoln County, NE. 8.6 acres affected by construction. Develop a 100-yard single lane rifle range and a 25-yard single lane pistol range. Some tree removal required. Develop ADA trail from existing parking lot to shooting bench. Construct new perimeter fence. Construct new parking lot and new access from road.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.740310199999996,-100.69827667481425,14z

Counties: Lincoln County, Nebraska

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Piping Plover *Charadrius melodus* Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Whooping Crane *Grus americana* Population: Wherever found, except where listed as an experimental population There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/758	Endangered

FISHES

NAME	STATUS
Pallid Sturgeon *Scaphirhynchus albus*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7162

INSECTS

NAME	STATUS
American Burying Beetle *Nicrophorus americanus*	Threatened

Population: Wherever found, except where listed as an experimental population
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/66

Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Keith Tillotson
Address: 1111 Central Avenue
City: Kearney
State: NE
Zip: 68847
Email ktillotson@miller-engineers.com
Phone: 3082346456

Environmental Review Report

Project Information

Report Generation Date:	12/7/2023 03:39:08 PM
Project Title:	Cedar Valley WMA Rifle Range Development
User Project Number(s):	~~~~~~M160-P3-006
System Project ID:	NE-CERT-011246
Project Type:	Recreation Areas
Project Activities:	Facilities Construction (cabins, campgrounds, parking lots, picnic shelters, restrooms, roads, showers, utility hook-ups, etc.)
Project Size:	6.98 acres
County(s):	Lincoln
Watershed(s):	Republican
Watershed(s) HUC 8:	Medicine
Watershed(s) HUC 12:	Waterson Canyon-Medicine Creek
Biologically Unique Landscape(s):	Loess Canyons
Township/Range and/or Section(s):	T09R30WS23
Latitude/Longitude:	40.740308 / -100.698189

Contact Information

Organization:	Miller & Associates Consulting Engineers P.C.
Contact Name:	Keith Tillotson
Contact Phone:	308-234-6456
Contact Email:	ktillotson@miller-engineers.com
Contact Address:	1111 Central Avenue Kearney NE 68947
Prepared By:	
Submitted On Behalf Of:	

Project Description

Develop a 100-yard single lane rifle range and a 25-yard single lane pistol range. Some tree removal required. Develop ADA trail from existing parking lot to shooting bench. Construct new perimeter fence. Construct new parking lot and new access from road.

Introduction

The Nebraska Game and Parks Commission (Commission) and the U.S. Fish and Wildlife Service (Service) have special concerns for endangered and threatened species, migratory birds, and other fish and wildlife and their habitats. Habitats frequently used by fish and wildlife species are wetlands, streams, riparian areas, woodlands, and grasslands. Special attention is given to proposed projects which modify wetlands, alter streams, result in loss of riparian habitat, convert/remove grasslands, or contaminate habitats. When this occurs, the Commission and Service recommend ways to avoid, minimize, or compensate for adverse effects to fish and wildlife and their habitats.

CONSULTATION PURSUANT TO THE NEBRASKA NONGAME AND ENDANGERED SPECIES CONSERVATION ACT (NESCA)

The Commission has responsibility for protecting state-listed endangered and threatened species under authority of the Nongame and Endangered Species Conservation Act (NESCA) (Neb. Rev. Stat. § 37-801 to 37-811). Pursuant to § 37-807 (3) of NESCA, all state agencies shall, in consultation with the Commission, ensure projects they authorize (i.e., issue a permit for), fund or carry out do not jeopardize the continued existence of state-listed endangered or threatened species or result in the destruction or modification of habitat of such species which is determined by the Commission to be critical. If a proposed project may affect state-listed species or designated critical habitat, further consultation with the Commission is required.

Informal consultation pursuant to NESCA can be completed by using the Conservation and Environmental Review Tool (CERT). The CERT analyzes the project type and location, and based on the analysis, provides information about potential impacts to listed species, habitat questions and/or conservation conditions.

- If project proponents agree to implement conservation conditions, as outlined in the report and applicable to the project type, then this document serves as documentation of consultation and the following actions can be taken to move forward with the project:
    - Sign the report in the designated areas.
    - Upload the signed PDF as part of their "final" project submittal.
    - By agreeing to and implementing the conservation conditions as outlined (if applicable), then further consultation with the Commission is not required.
- If the report indicates the project may have impacts on state-listed species, then the following actions must be taken:
    - Project proponent is required to contact and consult with the Commission. Contact information can be found within this document.

TECHNICAL ASSISTANCE AND CONSULTATION PURSUANT TO THE ENDANGERED SPECIES ACT (ESA)

The Service has responsibility for conservation and management of fish and wildlife resources for the benefit of the American public under the following authorities: 1) Endangered Species Act of 1973 (ESA); 2) Fish and Wildlife Coordination Act; 3) Bald and Golden Eagle Protection Act; and 4) Migratory Bird Treaty Act. The National Environmental Policy Act (NEPA) requires compliance with all of these statutes and regulations.

Pursuant to section 7(a)(2) of ESA, every federal agency, shall in consultation with the Service, ensure that an action they authorize, fund, or carry out is not likely to jeopardize the continued existence of a listed species or result in the destruction or adverse modification of designated critical habitat.

If a proposed project may affect federally listed species or designated critical habitat, Section 7 consultation is required with the Service. It is the responsibility of the lead federal action agency to fully evaluate all potential effects (direct and indirect) that may occur to federally listed species and critical habitat in the action area. The lead federal agency provides their effect determination to the Service for concurrence. If federally listed species and/or designated/proposed critical habitat would be adversely affected by implementation of the project, the lead federal agency will need to formally request further section 7 consultation with the Service prior to making any irretrievable or

irreversible commitment of federal funds (section 7(d) of ESA), or issuing any federal permits or licenses.

The information generated in this report DOES NOT satisfy consultation obligations between the lead federal agency and the Service pursuant to ESA. For the purposes of ESA, the information in this report should be considered as TECHNICAL ASSISTANCE, and does not serve as the Service's concurrence letter, even if the user signs and agrees to implement conservation conditions in order to satisfy the consultation requirements of NESCA.

Overall Results

The following result is based on a detailed analysis of your project.

- More information needed - refer to the following sections. Answer the habitat question(s) in the section below. Additional consultation with the Nebraska Game and Parks Commission and/or the U.S. Fish and Wildlife Service may or may not be required. Refer to the "Conservation Conditions Agreement" section for additional information.

Additional Information

Nebraska Game and Parks Commission Property
This project is within or near a property owned and/or managed by the Nebraska Game and Parks Commission (NGPC). Please contact the Nebraska Game and Parks Commission to determine if this project will have impacts on the property.

Questions and Conservation Conditions

American Burying Beetle
This project is within the range of the state and federally listed threatened American burying beetle (*Nicrophorus americanus*).
Habitat Question for American Burying Beetle:

Will the project or activity involve ground disturbance (overturning soil) or staging equipment in an area with tall grasses (>8 inches) or in an area with moist/wet soils?

____ Unknown
____ No. Conservation measures are not needed for this species unless otherwise indicated.
XX___ Yes. The following conservation measures must be implemented in order to avoid adverse impacts on American burying beetle.

If "YES" was checked for the habitat question, then this project "MAY AFFECT" American burying beetle. FURTHER CONSULTATION IS REQUIRED even if conservation measures are listed for this or other species. Contact the Nebraska Game and Parks Commission (ngpc.envreview@nebraska.gov) and the U.S. Fish and Wildlife Service (nebraskaes@fws.gov) prior to proceeding with the project.

Swift Fox

This project is within the range of the state-listed endangered swift fox (*Vulpes velox*).
Habitat Question for Swift Fox:

Does the action area or area of potential effect include connected suitable habitat that contains vegetation <6 inches in height, including gently rolling to level intact upland grasslands and field borders that are outside of densely populated residential, commercial, industrial areas?

____ Unknown
XX No. Conservation measures are not needed for this species unless otherwise indicated.
____ Yes. The following conservation measures must be implemented in order to avoid adverse impacts on swift fox:

SF CM-1: Survey for dens according to protocol within two weeks of commencing ground disturbing activities related to project implementation. If active swift fox dens are found, further consultation with the Nebraska Game and Parks Commission is required. If swift fox dens are not found, then the project may proceed.

Whooping Crane and Whooping Crane Critical Habitat

This project is within the range of the state and federally listed endangered whooping crane (*Grus americana*) and MAY also be within federally designated critical habitat for whooping crane (Central Platte River corridor between Lexington and Shelton, Nebraska).
Habitat Questions for Whooping Crane and Whooping Crane Critical Habitat:

Is the Action Area or area of potential effect outside of densely populated residential, commercial, or industrial areas?
AND
Does the Action Area or area of potential effect (within 1/2 mile of) include suitable habitat, which includes but is not limited to, sub-irrigated grasslands, meadows, shallow wetland habitat, farm ponds, or major rivers?

____ Unknown for EITHER question.
XX No for EITHER question. Conservation measures are not needed for this species unless otherwise indicated.
____ Yes for BOTH questions. The following conservation measures must be implemented in order to avoid adverse impacts on whooping crane and/or critical habitat for whooping crane:

Unless otherwise indicated, conservation measure WC CM-2 **or** WC CM-3 is required (not both), in addition to any other conservation measures listed for this species:
WC CM-2: If project or management actions/activities must occur during the spring (March 6 - April 29) or fall (October 9 - November 15) migration periods, then a survey must be conducted according to the standard protocol. Take note of the worktime restrictions as stated in the protocol.
OR
WC CM-3: Project or management actions/activities will not be implemented during the spring (March 6 - April 29) or fall (October 9 - November 15) whooping crane migration periods.

Conservation Measures Agreement

Based on the information contained in the report, follow the instructions for A, B or C below.

A) IF one or more of the habitat questions were answered with "Yes", insert an "X" for one of the two options below:

XX Option 1. For all species for which there is habitat present (as indicated by checking "yes" to a habitat question) I understand and agree to implement and/or incorporate the conservation measures for those species as indicated. By agreeing to implement and/or incorporate the conservation measures for those species as indicated, no further consultation with the Nebraska Game and Parks Commission is required. However, further consultation between the lead federal agency and the U.S. Fish and Wildlife Service (Service) may be required. Contact the Service for additional information. Sign and date on the line below, and also sign and date the "Certification" section. Submit a copy of the signed report with any type of permit/application required for the project.

_____ December 8, 2023

Applicant/project proponent signature Date

_____ Option 2. I have concerns regarding one or more of the conservation measures. Sign the "Certification" section below. When submitting the project as "Final" in CERT, please attach a separate document explaining your concerns with the conservation measures and why they cannot be implemented. Then, contact the Nebraska Game and Parks Commission and the U.S. Fish and Wildlife Service for further information.

B) IF one or more habitat questions were answered with "Unknown," then sign the "Certification" section below, submit the project as "Final" in CERT, and contact the Nebraska Game and Parks Commission and the U.S. Fish and Wildlife Service for further information.

C) IF ALL the habitat questions were answered "No" or if the "Overall Results" section indicated the project was unlikely to impact listed species, then sign the "Certification" section below and submit the project as "Final" in CERT. No further consultation with the Nebraska Game and Parks Commission is required. Additional coordination with the U.S. Fish and Wildlife Service may be necessary depending on the determination made by the lead federal agency pursuant to their obligations under ESA. Submit a copy of the signed report with any type of permit/application needed for the project.

Certification

I certify that ALL of the project information in this report (including project location, project size/configuration, project type, project activities, answers to questions) is true, accurate, and complete. If the project type, activities, location, size, or configuration of the project change, or if any of the answers to any questions asked in this report change, then this information is no longer valid and we recommend running the revised project through CERT to get an updated report.

_____ December 8, 2023

Applicant/project proponent signature Date

Additional Considerations

Bald and Golden Eagle Protection Act

The federal Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668c) provides for the protection of the bald eagle (*Haliaeetus leucocephalus*) and golden eagle (*Aquila chrysaetos*). Under the Eagle Act, "take" of eagles, their parts, nests or eggs is prohibited. Disturbance resulting in injury to an eagle or a decrease in productivity or nest abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior is a form of "take."

Bald eagles use mature, forested riparian areas near rivers, streams, lakes, and wetlands and occur along all the major river systems in Nebraska. The bald eagle southward migration begins as early as October and the wintering period extends from December-March. The golden eagle is found in arid open country with grassland for foraging in western Nebraska and usually near buttes or canyons which serve as nesting sites. Golden eagles are often a permanent resident in the Pine Ridge area of Nebraska. Additionally, many bald and golden eagles nest in Nebraska from mid-February through mid-July. Disturbances within 0.5-miles of an active nest or within line-of-sight of the nest could cause adult eagles to discontinue nest building or to abandon eggs. Both bald and golden eagles frequent river systems in Nebraska during the winter where open water and forested corridors provide feeding, perching, and roosting habitats, respectively. The frequency and duration of eagle use of these habitats in the winter depends upon ice and weather conditions. Human disturbances and loss of wintering habitat can cause undue stress leading to cessation of feeding and failure to meet winter thermoregulatory requirements. These affects can reduce the carrying capacity of preferred wintering habitat and reproductive success for the species.

To comply with the Eagle Act, it is recommended that the project proponent determine if the proposed project would impact bald or golden eagles or their habitats. This can be done by conducting a habitat assessment, surveying nesting habitat for active and inactive nests, and surveying potential winter roosting habitat to determine if it is being used by eagles. The area to be surveyed is dependent on the type of project; however for most projects we recommend surveying the project area and a ½ mile buffer around the project area. If it is determined that either species could be affected by the proposed project, the Commission recommends that the project proponent notify the Nebraska Game and Parks Commission as well as the Nebraska Field Office, U.S. Fish and Wildlife Service for recommendations to avoid "take" of bald and golden eagles.

Migratory Bird Treaty Act and Nebraska Revised Statute §37-540

We recommend the project proponent comply with the Migratory Bird Treaty Act (16 U.S.C. 703-712: Ch. 128 *as amended*) (MBTA). The project proponent should also comply with Nebraska Revised Statute §37-540, which prohibits take and destruction of nests or eggs of protected birds (as defined in Nebraska Revised Statute §37-237.01). Construction activities in grassland, wetland, stream, woodland, and river bank habitats that would result in impacts on birds, their nests or eggs protected under these laws should be avoided. Although the provisions of these laws are applicable year-round, most migratory bird nesting activity in Nebraska occurs during the period of May 1 to July 15. However, some migratory birds are known to nest outside of the aforementioned primary nesting season period. For example, raptors can be expected to nest in woodland habitats during February 1 through July 15, whereas sedge wrens, which occur in some wetland habitats, normally nest from July 15 to September 10. If development in this area is planned to occur during the primary nesting season or at any other time which may result in impacts to birds, their nests or eggs protected under these laws, we request that the project proponent arrange to have a qualified biologist conduct a field survey of the affected habitats to determine the absence or presence of nesting migratory birds. If a field survey identifies the existence of one or more active bird nests that cannot be avoided by the planned construction activities, the Nebraska Game and Parks Commission and the Nebraska Field Office, U.S. Fish and Wildlife Service should be contacted immediately. For more information on avoiding impacts to migratory birds, their nests and eggs, or to report active bird nests that cannot be avoided by planned construction activities, please contact the U.S. Fish and Wildlife Service and/or the Nebraska Game and Parks Commission (contact information within report). Adherence to these guidelines will help avoid unnecessary impacts on migratory birds.

Fish and Wildlife Coordination Act

The Fish and Wildlife Coordination Act (FWCA) requires consultation with the U.S. Fish and Wildlife Service (Service) and the State fish and wildlife agency (i.e., Nebraska Game and Parks Commission) for the purpose of preventing loss of and damage to fish and wildlife resources in the planning, implementation, and operation of federal and federaly funded, permitted, or licensed water resource development projects. This statute requires that federal

agencies take into consideration the effect that the water related project would have on fish and wildlife resources, to take action to prevent loss or damage to these resources, and to provide for the development and improvement of these resources. The comments in this letter are provided as technical assistance only and are not the document required of the Secretary of the Interior pursuant to Section 2(b) of FWCA on any required federal environmental review or permit. This technical assistance is valid only for the described conditions and will have to be revised if significant environmental changes or changes in the proposed project take place. In order to determine whether the effects to fish and wildlife resources from the proposed project are being considered under FWCA, the lead federal agency must notify the Service in writing of how the comments and recommendations in this technical assistance letter are being considered into the proposed project.

Section 404 of the Clean Water Act

In general, the Nebraska Game and Parks Commission and the U.S. Fish and Wildlife Service have concerns for impacts to wetlands, streams and riparian habitats. We recommend that impacts to wetlands, streams, and associated riparian corridors be avoided and minimized, and that any unavoidable impacts to these habitats be mitigated. If any fill materials will be placed into waterways or wetlands, the U.S. Army Corps of Engineers Regulatory Office in Omaha should be contacted to determine if a 404 permit is needed.

Agency Contact Information

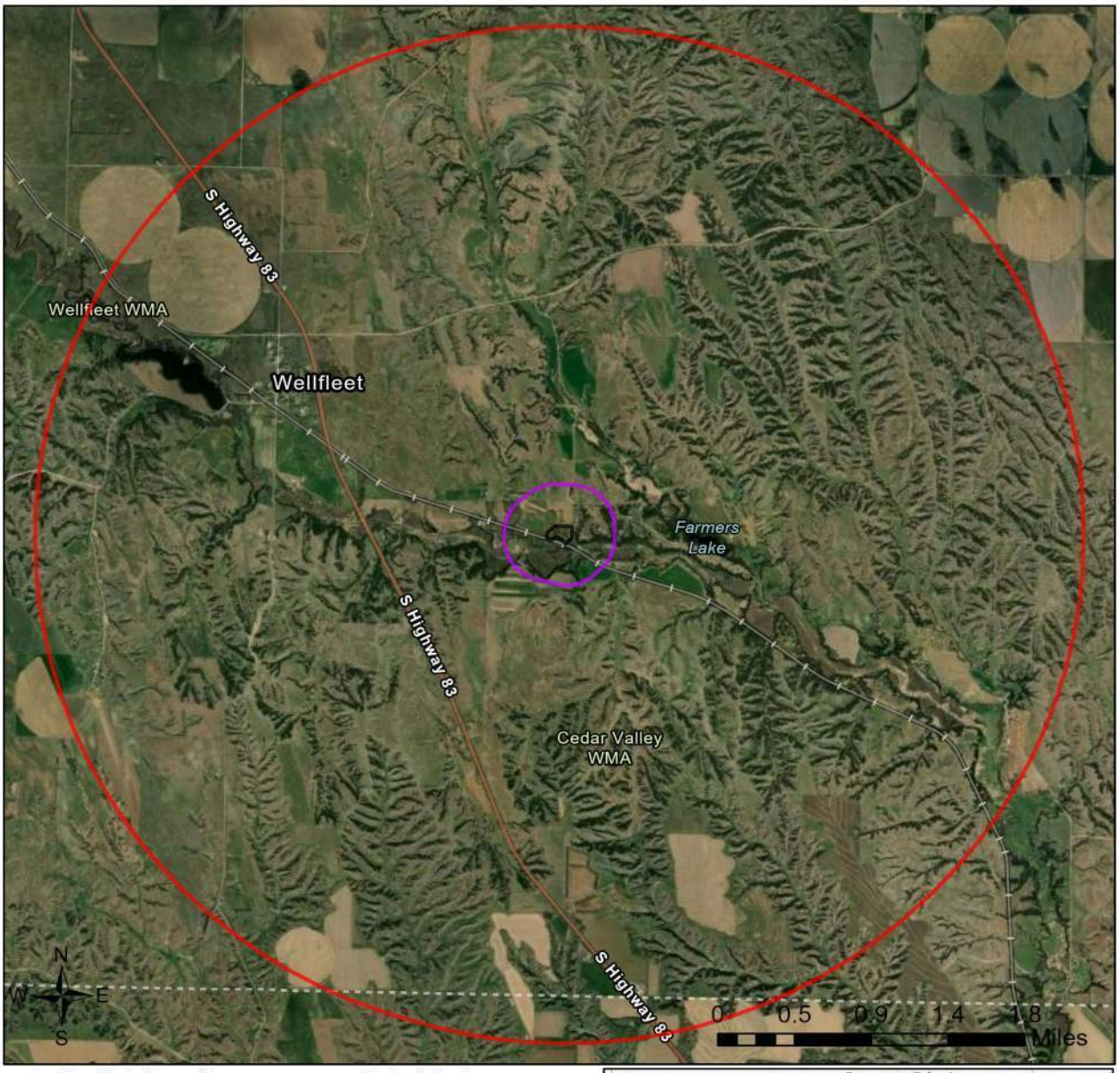
Nebraska Game and Parks Commission
Environmental Review Team
2200 North 33rd Street
Lincoln, NE 68503
phone: (402) 471-5423
email: ngpc.envreview@nebraska.gov

U.S. Fish and Wildlife Service

Nebraska Ecological Services
9325 South Alda Road
Wood River, NE 68883
phone: (308) 382-6468
email: nebraskaes@fws.gov

Cedar Valley WMA Rifle Range Development

Aerial Image Basemap With Locator Map



3-mile Information Buffer Boundary

Project Review Boundary

Project Boundary

Project Size (acres): 6.98

Lat/Long (DD): 40.7403 / -100.6982

County(s): Lincoln

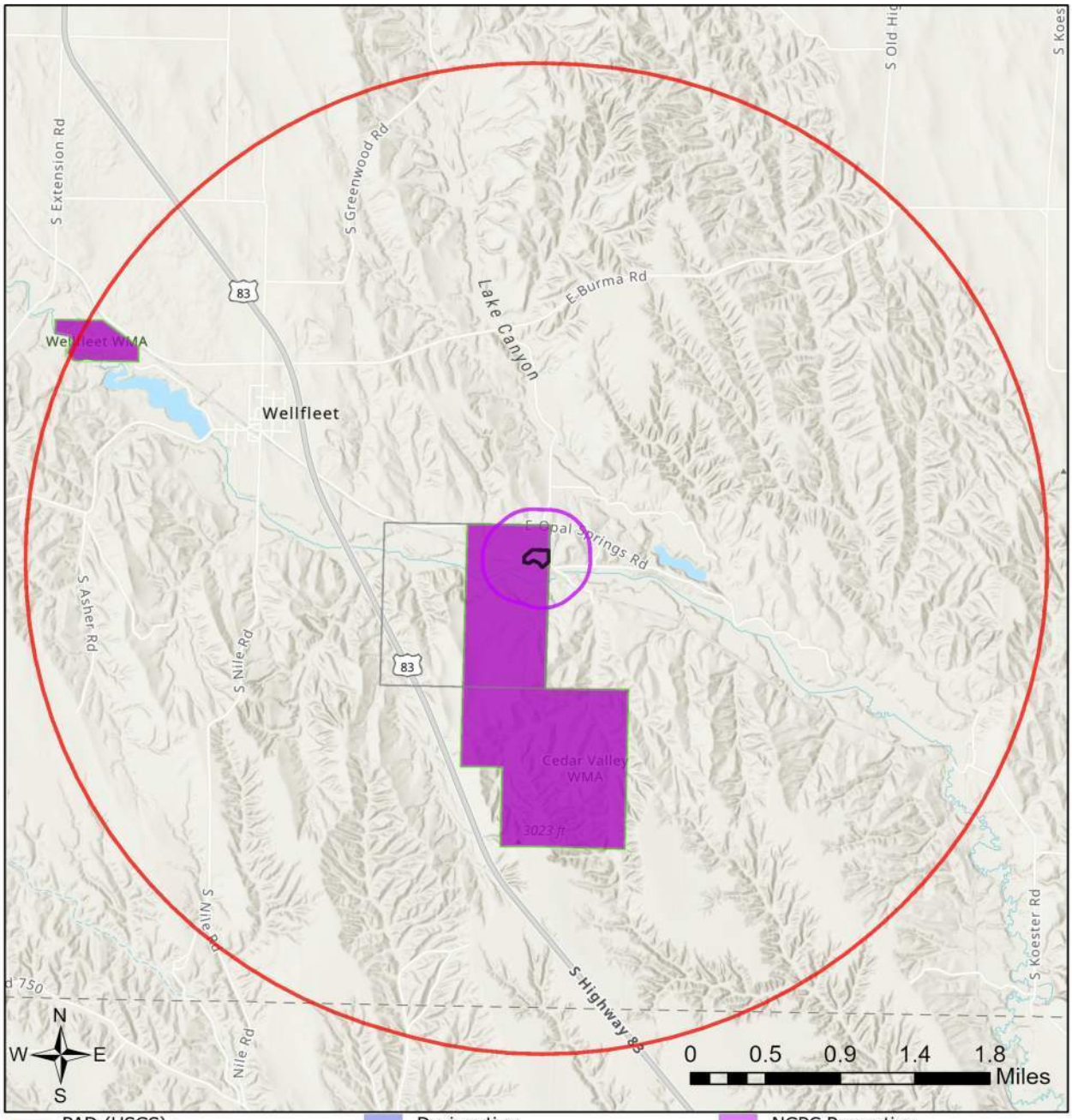
BUL(s): Loess Canyons

Township/Range/Section(s): T09R30WS23

Earthstar Geographics
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA
Esri, USGS

Cedar Valley WMA Rifle Range Development

Topographic Basemap With Sections and Protected Areas



PAD (USGS) - boundaries
U.S. Fish and Wildlife Service
U.S. Forest Service
National Park Service
Bureau of Reclamation

Designation
Regional Agency
State (NGPC)
Other State
NGO or Private
Other (City, Unknown)

NGPC Properties
Sections
3-mile Information Buffer Boundary
Project Review Boundary
Project Boundary

Esri, NASA, NGA, USGS
Nebraska Game & Parks Commission, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA

Cedar Valley WMA Rifle Range Development

Web Map As Submitted By User

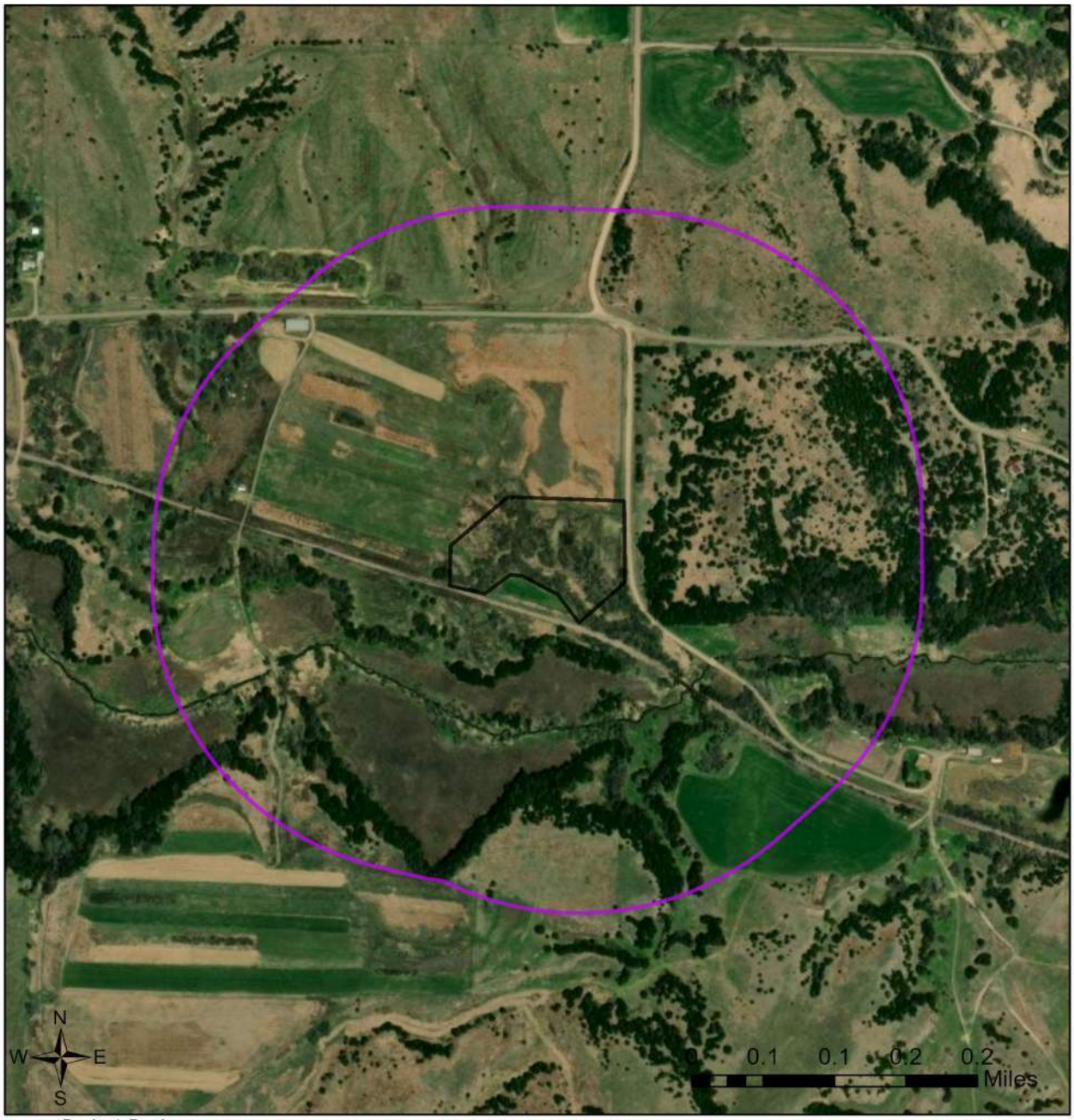


Table 1
Protected Areas in Immediate Vicinity of Project (project review area)

Area Name	Owner/Manager	Information Source
Cedar Valley WMA	Nebraska Game and Parks Commission	NGPC
Cedar Valley Wildlife Management Area	State Fish and Wildlife	USGS Protected Areas Database

Table 2
Documented Occurrences in Immediate Vicinity of Project (project review area):
Natural communities and selected special areas

Name	Other Information	SRank	GRank
Cattail Shallow Marsh	Cattail Shallow Marsh	S2	GNR
Loess Canyons Biologically Unique Landscape	Link to BUL document		
Large Intact Block of Habitat for At-risk Species			

Table 3
Regional Documented Occurrences of Species within 1 Mile of Project Review Area:
Tier 1 and 2 at-risk species and additional S1-S3 plants

Scientific Name	Common Name	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
Nicrophorus americanus	American Burying Beetle	T	E	Tier 1	S3?	G3	Invertebrate Animal - Beetles
Tyto alba	Barn Owl			Tier 2	S3	G5	Vertebrate Animal - Birds

Table 4
Potential Occurrences in Immediate Vicinity of Project (project review area):
Special status species (Tier 1 at-risk species and Bald and Golden Eagle), based on models or range maps

Scientific Name	Common Name	Data Type	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
Asio flammeus	Short-eared Owl	Range			Tier 1	S2	G5	Vertebrate Animal - Birds
Athene cunicularia	Burrowing Owl	Range			Tier 1	S2	G4	Vertebrate Animal - Birds
Atrytone arogos iowa	Iowa Skipper	Range			Tier 1	S1	G2G3T2T3	Invertebrate Animal - Butterflies and Skippers
Boloria selene sabulocollis	Kohler's Fritillary	Range			Tier 1	S1S2	G5T3	Invertebrate Animal - Butterflies and Skippers
Catocala nuptialis	Married Underwing	Range			Tier 1	SNR	G3	Invertebrate Animal - Underwing Moths
Catocala whitneyi	Whitney Underwing	Range			Tier 1	S1	G2G3	Invertebrate Animal - Underwing

Table 4
Potential Occurrences in Immediate Vicinity of Project (project review area):
Special status species (Tier 1 at-risk species and Bald and Golden Eagle), based on models or range maps

Scientific Name	Common Name	Data Type	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
								Moths
Dalea cylindriceps	Large-spike Prairie-clover	Range			Tier 1	S2	G3	Vascular Plant - Flowering Plants
Danaus plexippus	Monarch	Range			Tier 1	S2	G4	Invertebrate Animal - Butterflies and Skippers
Fundulus sciadicus	Plains Topminnow	Range			Tier 1	S3	G4	Vertebrate Animal - Fishes
Grus americana	Whooping Crane	Range	E	E	Tier 1	S1	G1	Vertebrate Animal - Birds
Haliaeetus leucocephalus	Bald Eagle	Range			Tier 2	S3	G5	Vertebrate Animal - Birds
Hesperia ottoe	Ottoe Skipper	Range			Tier 1	S2	G3	Invertebrate Animal - Butterflies and Skippers
Lanius ludovicianus	Loggerhead Shrike	Range			Tier 1	S3	G4	Vertebrate Animal - Birds
Lasiurus borealis	Eastern Red Bat	Range			Tier 1	S3	G3G4	Vertebrate Animal - Mammals
Lasiurus cinereus	Hoary Bat	Range			Tier 1	S3	G3G4	Vertebrate Animal - Mammals
Nicrophorus americanus	American Burying Beetle	Range	T	E	Tier 1	S1	G3	Invertebrate Animal - Beetles
Oxyloma haydeni	Niobrara Ambersnail	Range			Tier 1	SNR	G3	Invertebrate Animal - Terrestrial Snails
Perimyotis subflavus	Tricolored Bat	Range			Tier 1	S3	G2G3	Vertebrate Animal - Mammals
Speyeria idalia	Regal Fritillary	Range			Tier 1	S3	G3?	Invertebrate Animal - Butterflies and Skippers
Vulpes velox	Swift Fox	Range		E	Tier 1	S2	G3	Vertebrate Animal - Mammals

Environmental Review Report

Project Information

Report Generation Date:	12/29/2025 03:35:43 PM
Project Title:	Range Development - Cedar Valley Wildlife Management Area
User Project Number(s):	PR 21-196
System Project ID:	NE-CERT-016096
State Nexus:	NGPC - Nebraska Game and Parks Commission
Project Type:	Development (ex: construction, housing, and land development), New construction within undeveloped area - history of construction or row cropping
Project Activities:	None Selected
Project Size:	8.51 acres
County(s):	Lincoln
Watershed(s):	Republican
Watershed(s) HUC 8:	Medicine
Watershed(s) HUC 12:	Waterson Canyon-Medicine Creek
Biologically Unique Landscape(s):	Loess Canyons
Township/Range and/or Section(s):	T09R30WS23; T09R30WS24
Latitude/Longitude:	40.740286 / -100.698227

Contact Information

Organization:	Nebraska Game and Parks
Contact Name:	Daren Konda
Contact Phone:	402-471-5525
Contact Email:	daren.konda@nebraska.gov
Contact Address:	2200 North 33rd Street Lincoln NE 68503
Prepared By:	
Submitted On Behalf Of:	

Previous Environmental Review

CERT System Project ID:	NE-CERT-011246
Project Differences:	Change in Scope, Different Phase
Project Differences Other:	Project has been expanded to include (2) 100 yard shooting lanes and (2) 25 yard shooting lanes. All trees with the project area have been removed.

Project Description

The proposed work consists of the construction of a shooting range at Cedar Valley Wildlife Management Area for the NGPC. The range is proposed to have (2) 100 yrd and (2) 25 yrd shooting lanes, soil berms to contain bullets, shooting canopy, parking area with accessible route to the range, shooting canopy, shooting table with an adjustable seating stool and permitter fencing.

Project Duration

Proposed construction period: January 2026 through June 2026.

Existing Land Use

Previous farm ground, farm site and upland grass field currently managed as a Wildlife Management Area. The trees in the wooded section within the proposed site area were previously removed under a separate project. See aerial photo on the project plans showing that the trees have been removed.

Waterbodies

No impact anticipated - Water shed drains to Medicine Creek

The Nebraska Nongame and Endangered Species Conservation Act (NESCA)

The Nebraska Game and Parks Commission (Commission or NGPC) has responsibility for protecting state-listed endangered and threatened species under authority of the Nongame and Endangered Species Conservation Act (NESCA) (Neb. Rev. Stat. § 37-801 to 37-814). Pursuant to §37-807 (3)(c) of NESCA, **all state agencies shall, in consultation with the Commission, ensure projects they authorize (i.e., issue a permit for), fund or carry out** do not jeopardize the continued existence of state-listed endangered or threatened species or result in the destruction or modification of habitat of such species which is determined by the Commission to be critical. If a proposed project may affect state-listed species or designated critical habitat, further consultation with the Commission is required.

Informal consultation pursuant to NESCA can be completed by using the Conservation and Environmental Review Tool (CERT). The CERT analyzes the project type and location, and based on the analysis, provides information about potential impacts to listed species, habitat questions and/or conservation measures.

- If project proponent agrees to implement conservation measures, as outlined in the report and applicable to the project type, then this document serves as documentation of consultation with the Commission and the following actions can be taken to move forward with the project:
  - Sign the Environmental Review Report (ERR) in the designated areas, and
  - Upload the signed and dated report into the project within CERT, and
  - Change the edit status to Final from Draft status.
  - When these actions are completed, no additional coordination (i.e., contacting the Commission) is required.
- If the report indicates further review is required in the Overall Results section and/or conservation measures cannot be met, then the following actions must be taken:
  - Project proponent is required to contact and consult with the Commission. Contact information can be found under the Additional Considerations section.
  - The further review process is complete when the Commission indicates so or provides a concurrence letter to the project proponent. This letter should be used in combination with the CERT ERR associated with the project in order to constitute a complete environmental review.
  - When these actions are completed, no additional coordination with the Commission is required.

Review the Overall Results section on the following page for further instructions.

Disclaimer

The U.S. Fish and Wildlife Service has responsibility for conservation and management of fish and wildlife resources for the benefit of the American public under the following authorities: 1) Endangered Species Act; 2) Fish and Wildlife Coordination Act; 3) Bald and Golden Eagle Protection Act; and 4) Migratory Bird Treaty Act.

It is recommended that a project start with requesting an Official Species List via the Information for Planning and Consultation (IPaC) Tool, to begin informal consultation with the U.S. Fish & Wildlife Service.

The information generated in a CERT Environmental Review Report DOES NOT satisfy consultation obligations between the lead federal agency and the U.S. Fish and Wildlife Service pursuant to the Endangered Species Act (ESA).

For the purposes of ESA, the information in this report should be considered as technical assistance, and does not serve as the U.S. Fish and Wildlife Service's concurrence letter, even if the user signs and agrees to implement conservation conditions in order to satisfy consultation requirements of NESCA.

Review the Additional Considerations section for further information.

Overall Results

- Potential impacts on listed species may occur as a result of this project; proceed to the Questions and Conservation Measures section below.

Additional Information

Nebraska Game and Parks Commission Property
This project is within or near a property owned and/or managed by the Nebraska Game and Parks Commission (NGPC). Please contact the Nebraska Game and Parks Commission to determine if this project will have impacts on the property.

Questions and Conservation Measures

INSTRUCTIONS: Under this section, one or more listed species will appear with a bolded question(s) you need to answer. The question(s) aims to describe the type of habitat, or natural environment, that the species lives in. Read the question(s) and compare the environment described to your Action Area, or project area. Then answer Yes, No, or Unknown to the question(s). Your answer will determine if you need to implement any conservation measures, which is an action that can be taken to avoid impacting a species. Conservation measures are found below the question(s) with a bolded name (example: NLEB CM-1).

Once you are done answering all the questions, proceed to the Conservation Measures Agreement section.

American Burying Beetle (*Nicrophorus americanus*)
Will the project or activity involve ground disturbance (overturning soil) or staging equipment in an area with tall grasses (>8 inches) or in an area with moist/wet soils?

____ Unknown
____ No. Conservation measures are not needed for this species unless otherwise indicated.
_X__ Yes. The following conservation measures must be implemented in order to avoid adverse impacts on American burying beetle.

If "YES" was checked for the habitat question, then this project "MAY AFFECT" American burying beetle. FURTHER CONSULTATION IS REQUIRED even if conservation measures are listed for this or other species. Contact the Nebraska Game and Parks Commission (ngpc.envreview@nebraska.gov) and the U.S. Fish and Wildlife Service (nebraskaes@fws.gov) prior to proceeding with the project.

Northern Long-eared Bat (*Myotis septentrionalis*)

Suitable summer roosting habitat for northern long-eared bat consist of forests or woodlots which contain suitable roost trees. In Nebraska, suitable roost trees consist of deciduous and/or pine live or dead trees or snags that are greater than or equal to 3-inch diameter at breast height (dbh) that exhibit peeling bark or have cracks, crevices or cavities. Linear features such as fencerows, riparian forests, and other wooded corridors are suitable for northern long-eared bat if they contain potential roost trees. Individual trees may be considered suitable habitat when they exhibit characteristics of suitable roost trees and are within 1,000-feet of other forested/wooded habitat.
Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat when they are within 1000-feet of suitable forested habitat (see above).

Examples of UNSUITABLE habitat for the Northern Long-eared Bat include:
- Individual trees that are greater than 1,000-feet from forested/wooded areas;
- Trees found in highly developed urban areas (e.g., street trees, downtown areas) – but note that northern long-eared bats sometimes use relatively extensive forested natural areas within urban areas for summer roosting habitat;
- A pure stand of less than 3-inch dbh trees that are not mixed with larger trees.

Is suitable summer habitat, as defined above, located within 1000-feet of the Action Area or the area of potential effect?

___ Unknown
___ No. Conservation measures are not needed for this species unless otherwise indicated. **SKIP any remaining questions for this species.**
_X_ Yes. The following conservation measures must be implemented in order to avoid adverse impacts on Northern Long-eared Bat.

NLEB CM-2: No removal of suitable trees or roosting structures between May 15 and July 31 (maternity roosting season).

Does the Action Area or the area of potential effect include temporary or permanent lighting of roadways, commercial buildings, facilities, and/or parking lots?

X No. Lighting conservation measures are NOT APPLICABLE.
__ Yes. The following lighting conservation measure must be implemented:

NLEB CM-7 Use downward-facing, full cut-off lens lights* (with same intensity or less for replacement lighting) when installing new or replacing existing permanent lights.
**Full cut-off lens lights are fixtures or luminaires constructed and installed in such a manner that all light emitted from the luminaire, either directly from the lamp or a diffusing element, or indirectly by reflection or refraction from any part of the fixture, is protected below the horizontal plane through the fixture's lowest light-emitting part.*

Swift Fox (*Vulpes velox*)

Does the Action Area or the area of potential effect include connected suitable habitat that contains vegetation <6 inches in height, including gently rolling to level intact upland grasslands and field borders that are outside of densely populated residential, commercial, industrial areas?

____ Unknown
_X_ No. Conservation measures are not needed for this species unless otherwise indicated.
____ Yes. The following conservation measures must be implemented in order to avoid adverse impacts on Swift Fox:

SF CM-1: Survey for dens according to protocol within two weeks of commencing ground disturbing activities related to project implementation. If active swift fox dens are found, further consultation with the Nebraska Game and Parks Commission is required. If swift fox dens are not found, then the project may proceed.

Whooping Crane (*Grus americana*) and Whooping Crane Critical Habitat

Is the Action Area or the area of potential effect outside of densely populated residential, commercial, or industrial areas?

AND

Does the Action Area or the area of potential effect within 1/2 mile of suitable habitat, which includes but is not limited to, sub-irrigated grasslands, meadows, shallow wetland habitat, farm ponds, or major rivers?

____ Unknown for EITHER question.
_X_ No for EITHER question. Conservation measures are not needed for this species unless otherwise indicated.
____ Yes for BOTH questions. The following conservation measures must be implemented in order to avoid adverse impacts on Whooping Crane and/or critical habitat for Whooping Crane:

Unless otherwise indicated, conservation measure **WC CM-2** or **WC CM-3** is required (not both), in addition to any other conservation measures listed for this species:

WC CM-2: If project or management actions/activities must occur during the spring (March 6 - April 29) or fall (October 9 - November 15) migration periods, then a survey must be conducted according to the standard protocol.

OR

WC CM-3: Project or management actions/activities will not be implemented during the spring (March 6 - April 29) or fall (October 9 - November 15) whooping crane migration periods.

Conservation Measures Agreement

INSTRUCTIONS: Under this section, select either A, B, or C. Regardless of your selection, a signature is required under the Certification section below.

A) _X_ I answered one or more questions with a "Yes"

Select an option below.

_X_ **Option 1.** After reviewing the conservation measure(s), I understand and agree to implement and/or incorporate them for those species above of which "Yes" was answered, indicating habitat is present.
Sign and date on the line below. Your signature indicates acceptance of and responsibility for implementation of conservation measures. Sign and date the Certification section below, then upload a signed and dated report into your project in CERT. Once your report is uploaded, no additional correspondence with the Nebraska Game and Parks Commission is required.

Dean A. Konda _____ 12-30-2025

Applicant/project proponent signature Date

_____ **Option 2.** After reviewing the conservation measure(s), I have concerns regarding one or more of them. Read all the information in this document; then, sign and date the Certification section. Fill out the CERT Further Review Form located at https://outdoornebraska.gov/conservation/environmental-review/cert-further-review-form/.

B) _____ I answered one or more questions with "Unknown"

Contact the Nebraska Game and Parks Commission at ngpc.envreview@nebraska.gov or (402) 471-5423 with your question and project details.

C) _____ I answered ALL the questions with a "No"

Sign and date the Certification section below. Upload a signed and dated report into your project in CERT. Once your report is uploaded, no additional correspondence with the Nebraska Game and Parks Commission is required.

Certification

I certify that ALL the project information in this report (including project location, project size/configuration, project type, project activities, answers to questions) is true, accurate and complete. If the project type, activities, location, size, or configuration of the project change; if a species listing status is reclassified; if a new species is listed; or if any of the answers to any questions asked in this report change, then this document is no longer valid, and re-consultation with the Nebraska Game and Parks Commission is required.

Dean A. Kondos 01-12-2026

Applicant/project proponent signature Date

Please upload this signed and dated report into your project in CERT. For instructions, see the Help tab.

Additional Considerations

Nebraska Game and Parks Commission
Environmental Review Team
2200 North 33 Street
Lincoln, NE 68503
Phone: (402) 471-5423
Email: ngpc.envreview@nebraska.gov

U.S. Fish and Wildlife Service
Nebraska Ecological Services
9325 South Alda Road
Wood River, NE 68883
Phone: (308) 382-6468
Email: nebraskaes@fws.gov

U.S. Army Corps of Engineers
Omaha Regulatory Office
8901 South 154 Street
Omaha, NE 68138
Phone: (402) 896-0896
Email: NE404Reg@usace.army.mil

The following federal laws contribute to the conservation and management of fish and wildlife resources in the United States: Endangered Species Act, Bald and Golden Eagle Protection Act, Migratory Bird Treaty Act, Clean Water Act, and the Fish and Wildlife Coordination Act.

Bald and Golden Eagle Protection Act

The federal Bald and Golden Eagle Protection Act (Eagle Act) (16 U.S.C. 668-668c) provides for the protection of the bald eagle (*Haliaeetus leucocephalus*) and golden eagle (*Aquila chrysaetos*). Under the Eagle Act, “take” of eagles, their parts, nests or eggs is prohibited. Disturbance resulting in injury to an eagle or a decrease in productivity or nest abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior is a form of “take.”

Nebraska Specific Information

Bald eagles use mature, forested riparian areas near rivers, streams, lakes, and wetlands and occur along all the major river systems in Nebraska. The bald eagle southward migration begins as early as October and the wintering period extends from December-March. The golden eagle is found in arid open country with grassland for foraging in western Nebraska and usually near buttes or canyons which serve as nesting sites. Golden eagles are often a permanent resident in the Pine Ridge area of Nebraska. Additionally, many bald and golden eagles nest in Nebraska from mid-February through mid-July. Disturbances within 0.5-miles of an active nest or within line-of-sight of the nest could cause adult eagles to discontinue nest building or to abandon eggs. Both bald and golden eagles frequent river systems in Nebraska during the winter where open water and forested corridors provide feeding, perching, and roosting habitats, respectively. The frequency and duration of eagle use of these habitats in the winter depends upon ice and weather conditions. Human disturbances and loss of wintering habitat can cause undue stress leading to cessation of feeding and failure to meet winter thermoregulatory requirements. These affects can reduce the carrying capacity of preferred wintering habitat and reproductive success for the species.

To comply with the Eagle Act, it is recommended that the project proponent determine if the proposed project would impact bald or golden eagles or their habitats. This can be done by conducting a habitat assessment, surveying nesting habitat for active and inactive nests, and surveying potential winter roosting habitat to determine if it is being used by eagles. The area to be surveyed is dependent on the type of project; however for most projects we recommend surveying the project area and a ½ mile buffer around the project area. If it is determined that either species could be affected by the proposed project, the Commission recommends that the project proponent notify the

Nebraska Game and Parks Commission as well as the Nebraska Field Office, U.S. Fish and Wildlife Service for recommendations to avoid “take” of bald and golden eagles.

Migratory Bird Treaty Act and Nebraska Revised Statute §37-540

We recommend the project proponent comply with the Migratory Bird Treaty Act (16 U.S.C. 703-712: Ch. 128 *as amended*) (MBTA). The project proponent should also comply with Nebraska Revised Statute §37-540, which prohibits take and destruction of nests or eggs of protected birds (as defined in Nebraska Revised Statute §37-237.01). Construction activities in grassland, wetland, stream, woodland, and river bank habitats that would result in impacts on birds, their nests or eggs protected under these laws should be avoided. Although the provisions of these laws are applicable year-round, most migratory bird nesting activity in Nebraska occurs during the period of April 1 to July 15. However, some migratory birds are known to nest outside of the aforementioned primary nesting season period. For example, raptors can be expected to nest in woodland habitats during February 1 through July 15, whereas sedge wrens, which occur in some wetland habitats, normally nest from July 15 to September 10. If development in this area is planned to occur during the primary nesting season or at any other time which may result in impacts to birds, their nests or eggs protected under these laws, we request that the project proponent arrange to have a qualified biologist conduct a field survey of the affected habitats to determine the absence or presence of nesting migratory birds. If a field survey identifies the existence of one or more active bird nests that cannot be avoided by the planned construction activities, the Nebraska Game and Parks Commission and the Nebraska Field Office, U.S. Fish and Wildlife Service should be contacted immediately. For more information on avoiding impacts to migratory birds, their nests and eggs, or to report active bird nests that cannot be avoided by planned construction activities, please contact the U.S. Fish and Wildlife Service and/or the Nebraska Game and Parks Commission (contact information within report). Adherence to these guidelines will help avoid unnecessary impacts on migratory birds.

Fish and Wildlife Coordination Act

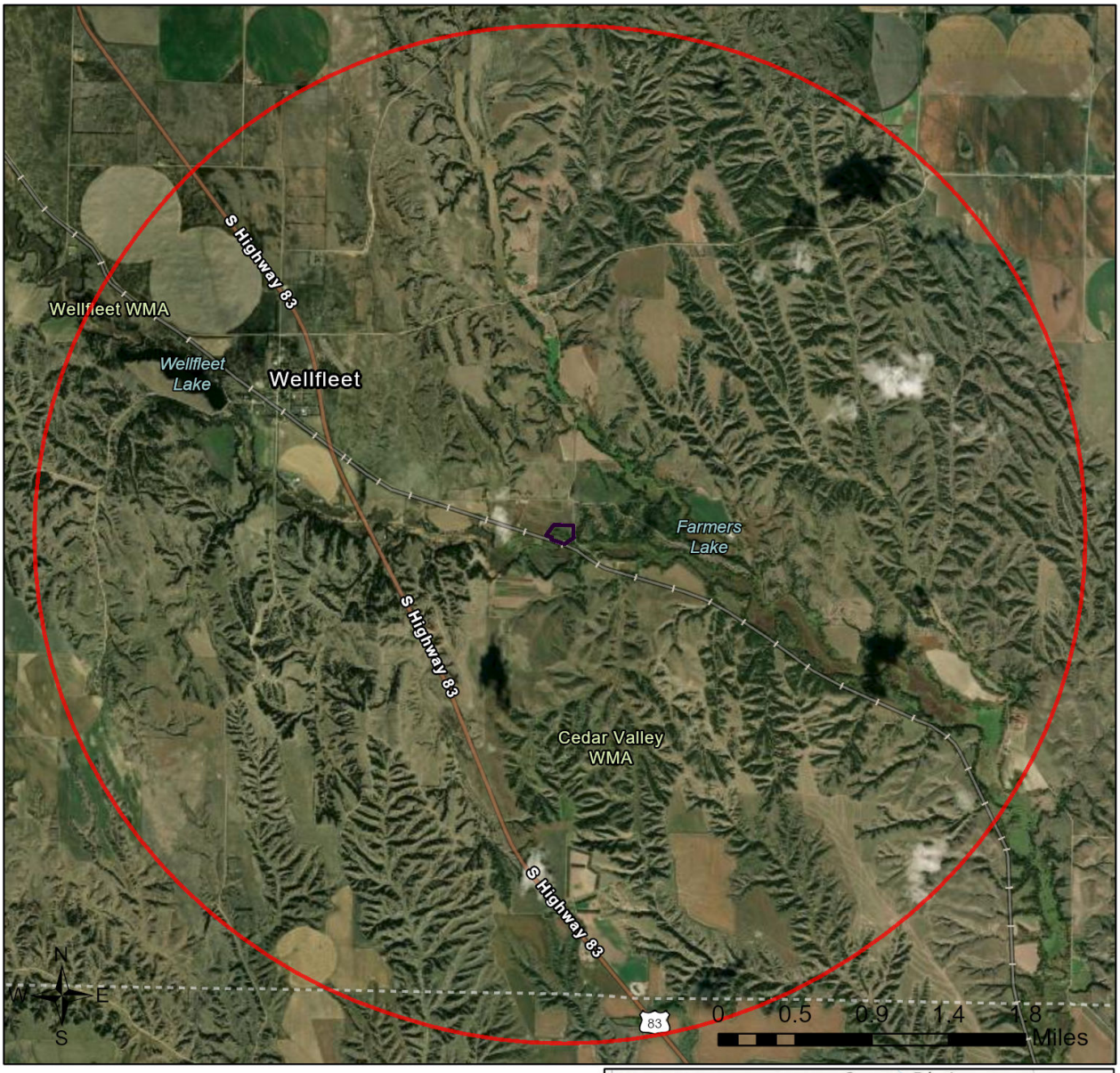
The Fish and Wildlife Coordination Act (FWCA) requires consultation with the U.S. Fish and Wildlife Service (Service) and the State fish and wildlife agency (i.e., Nebraska Game and Parks Commission) for the purpose of preventing loss of and damage to fish and wildlife resources in the planning, implementation, and operation of federal and federally funded, permitted, or licensed water resource development projects. This statute requires that federal agencies take into consideration the effect that the water related project would have on fish and wildlife resources, to take action to prevent loss or damage to these resources, and to provide for the development and improvement of these resources. The comments in this letter are provided as technical assistance only and are not the document required of the Secretary of the Interior pursuant to Section 2(b) of FWCA on any required federal environmental review or permit. This technical assistance is valid only for the described conditions and will have to be revised if significant environmental changes or changes in the proposed project take place. In order to determine whether the effects to fish and wildlife resources from the proposed project are being considered under FWCA, the lead federal agency must notify the Service in writing of how the comments and recommendations in this technical assistance letter are being considered into the proposed project.

Section 404 of the Clean Water Act

In general, the Nebraska Game and Parks Commission and the U.S. Fish and Wildlife Service have concerns for impacts to wetlands, streams and riparian habitats. We recommend that impacts to wetlands, streams, and associated riparian corridors be avoided and minimized, and that any unavoidable impacts to these habitats be mitigated. If any fill materials will be placed into waterways or wetlands, the U.S. Army Corps of Engineers Regulatory Office in Omaha should be contacted to determine if a 404 permit is needed.

Range Development - Cedar Valley Wildlife Management Area

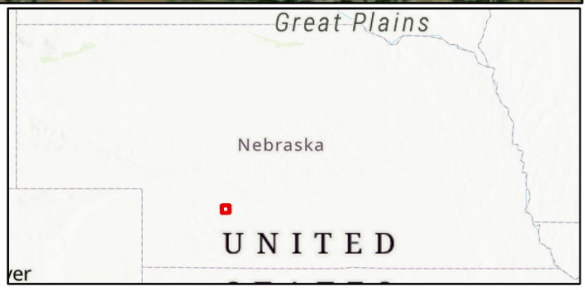
Aerial Image Basemap With Locator Map



3-mile Information Buffer Boundary

Project Review Boundary

Project Boundary



Project Size (acres): 8.51

Lat/Long (DD): 40.7403 / -100.6982

County(s): Lincoln

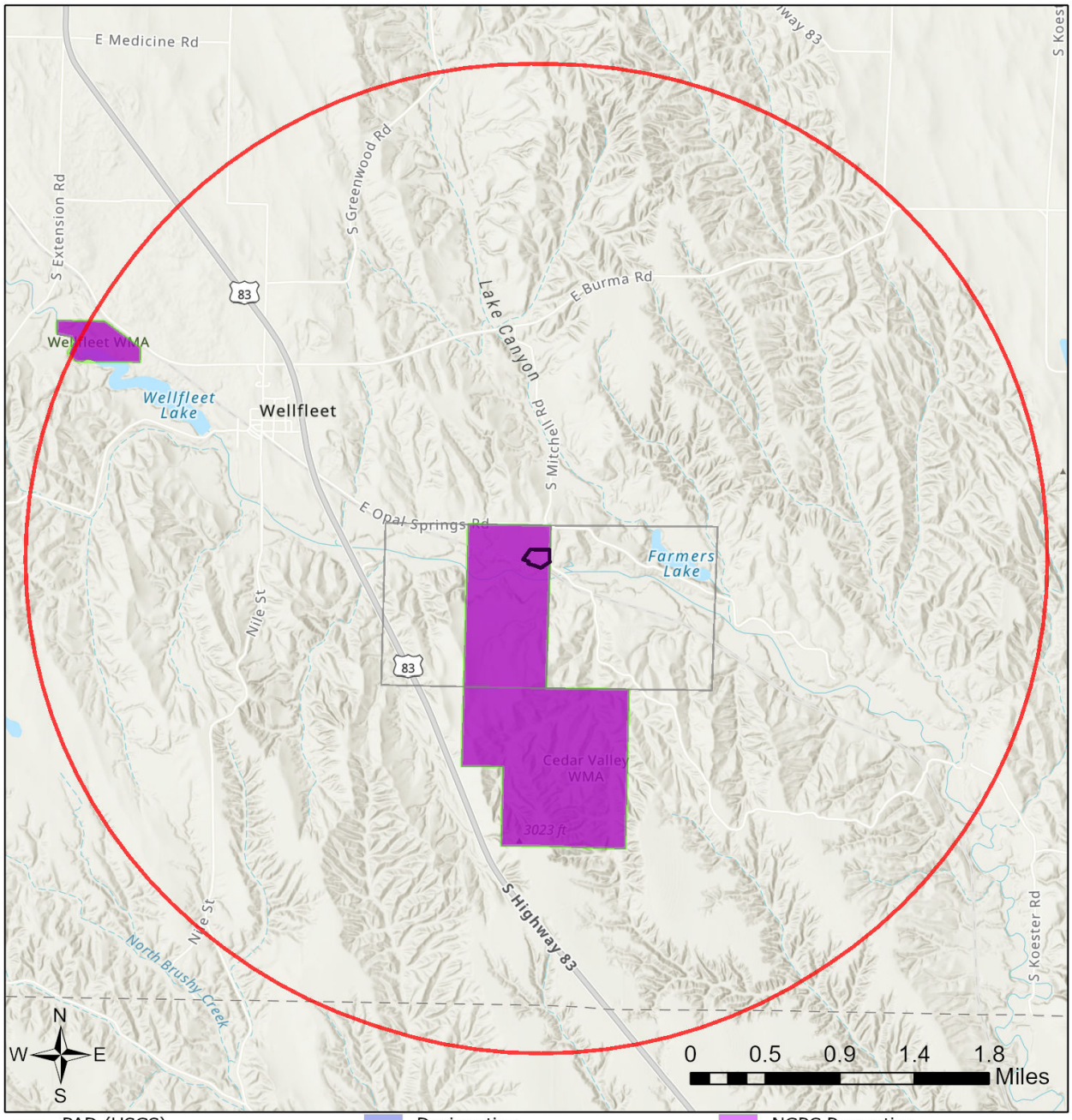
BUL(s): Loess Canyons

Township/Range/Section(s): T09R30WS23; T09R30WS24

Nebraska Game & Parks Commission, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS
Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, USFWS
Earthstar Geographics

Range Development - Cedar Valley Wildlife Management Area

Topographic Basemap With Sections and Protected Areas



- PAD (USGS) - boundaries
- U.S. Fish and Wildlife Service
- U.S. Forest Service
- National Park Service
- Bureau of Reclamation
- Designation
- Regional Agency
- State (NGPC)
- Other State
- NGO or Private
- Other (City, Unknown)
- NGPC Properties
- Sections
- 3-mile Information Buffer Boundary
- Project Review Boundary
- Project Boundary

Nebraska Game & Parks Commission, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS
Esri, NASA, NGA, USGS

Table 1
Protected Areas within Immediate Vicinity of Project Area

Area Name	Owner/Manager	Information Source
Cedar Valley WMA	Nebraska Game and Parks Commission	NGPC
Cedar Valley Wildlife Management Area	State Fish and Wildlife	USGS Protected Areas Database

Table 2
Natural Communities and select Special Areas within Immediate Vicinity of Project Area

Name	Other Information	SRank	GRank
Loess Canyons Biologically Unique Landscape	Link to BUL document		
Large Intact Block of Habitat for At-risk Species			

Table 3
At-Risk Species Ranges within Project Area

Scientific Name	Common Name	Data Type	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
Argynnis idalia	Regal Fritillary	Range			Tier 1	S3	G3?	
Asio flammeus	Short-eared Owl	Range			Tier 1	S2	G5	
Athene cunicularia	Burrowing Owl	Range			Tier 1	S2	G4	
Atrytone arogos iowa	Iowa Skipper	Range			Tier 1	S1	G2G3T2T3	
Boloria myrina sabulocollis	Kohler's Fritillary	Range			Tier 1	S1S2	G5?T3	
Catocala nuptialis	Married Underwing	Range			Tier 1	SNR	G3	
Catocala whitneyi	Whitney Underwing	Range			Tier 1	S1	G2G3	
Dalea cylindriceps	Large-spike Prairie-clover	Range			Tier 1	S2	G3	
Danaus plexippus	Monarch	Range			Tier 1	S2	G4	
Fundulus sciadicus	Plains Topminnow	Range			Tier 1	S3	G4	
Grus americana	Whooping Crane	Range	E	E	Tier 1	S1	G1	
Haliaeetus leucocephalus	Bald Eagle	Range			Tier 2	S3	G5	
Hesperia ottoe	Ottoe Skipper	Range			Tier 1	S2	G3	
Lanius ludovicianus	Loggerhead Shrike	Range			Tier 1	S3	G4	
Lasiurus borealis	Eastern Red Bat	Range			Tier 1	S3	G3G4	
Lasiurus cinereus	Hoary Bat	Range			Tier 1	S3	G3G4	
Myotis septentrionalis	Northern Long-eared	Range	E	E	Tier 1	S1S2	G2G3	

Table 3
At-Risk Species Ranges within Project Area

Scientific Name	Common Name	Data Type	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
	Myotis							
Nicrophorus americanus	American Burying Beetle	Range	T	T	Tier 1	S3	G3	
Oxyloma haydeni	Niobrara Ambersnail	Range			Tier 1	SNR	G3	
Perimyotis subflavus	Tricolored Bat	Range			Tier 1	S3	G3G4	
Vulpes velox	Swift Fox	Range		E	Tier 1	S2	G3	

Table 4
Threatened or Endangered Species Ranges within Project Area

Scientific Name	Common Name	Data Type	USFWS	State	SGCN	SRank	GRank	Taxonomic Group
Grus americana	Whooping Crane	Range	E	E	Tier 1	S1	G1	
Myotis septentrionalis	Northern Long-eared Myotis	Range	E	E	Tier 1	S1S2	G2G3	
Nicrophorus americanus	American Burying Beetle	Range	T	T	Tier 1	S3	G3	
Vulpes velox	Swift Fox	Range		E	Tier 1	S2	G3	

Appendix H

History Nebraska Letter, December 9, 2020
Nebraska Historic Project Summary Report
Response from Nebraska State Historical Society, October 28, 2025
Warranty Deed Record, October 26, 1995

History NEBRASKA

Preserving the past. Building the future.

12/9/2020

Jeff Rawlinson
Nebraska Game and Parks Commission
VIA EMAIL

RE: HP# 2009-078-01; Cedar Valley WMA Rifle Range, Lincoln County, Nebraska

Mr. Rawlinson,

Thank you for submitting the cultural resource survey report prepared for the above referenced project for Nebraska State Historic Preservation Office (NeSHPO) review and comment. Our comment on this project and its potential to affect historic properties is required by Section 106 of the National Historic Preservation Act of 1966, as amended in 2014, and implementing regulations 36 CFR Part 800.

This report documents the results of a cultural resources investigation prior to the project. Based on the information provided, the proposed undertaking is unlikely to affect any cultural resources listed on the National Register of Historic Places or eligible for such a listing. Therefore, the NeSHPO concurs that the determination of **no historic properties affected** is appropriate for this undertaking and the project should proceed as planned.

However, even though the project occurs within an area that has been evaluated by a professional archeologist, there is the possibility that buried or otherwise obscured cultural or human remains may be discovered during the undertaking. If any such discovery is made, please contact this office immediately for further instruction.

Be advised that this determination does not necessarily reflect the opinion of Native American Tribes that may have an interest in the area, nor does it pertain to Traditional Cultural Properties, if they exist in the area.

Please retain this correspondence and your documented finding in order to show compliance with Section 106 of the National Historic Preservation Act, as amended and submit this letter to the project's lead federal agency to fulfill the statutory obligation of Section 106 consultation with the NeSHPO. If you have any questions, please contact me at john.swigart@nebraska.gov or 402-471-2609.

Sincerely,

John Swigart
Preservation Archeologist

1500 R Street
Lincoln, NE 68508-1651
P: 402.471.3270
P: 800.833.6747
F: 402.471.3100
history.nebraska.gov

Swigart, John

From: Rawlinson, Jeff
Sent: Tuesday, December 8, 2020 10:32 AM
To: Swigart, John
Cc: Gerber, Tiffani
Subject: FW: Cedar Valley Rifle Range archeology survey
Attachments: Cedar Valley Rifle Range Archeology Report.pdf

John
Please accept this as the final historical review for a project proposed for the Cedar Valley WMA. Thanks
Jeff

From: Bozell, Rob <rob.bozell@nebraska.gov>
Sent: Friday, December 4, 2020 2:50 PM
To: Rawlinson, Jeff <jeff.rawlinson@nebraska.gov>
Cc: Gerber, Tiffani <tiffani.gerber@nebraska.gov>; Paitz, Katie <katie.paitz@nebraska.gov>
Subject: Cedar Valley Rifle Range archeology survey

Hi Jeff,

We completed the archeological survey of the referenced project and no archeological sites were found. You will need to submit the attached report to John Swigart at SHPO for review and when you do reference HP# 2009-078-01.

Thanks !

Rob Bozell
State Archeologist

History NEBRASKA

5050 North 32nd Street
Lincoln, Nebraska 68504
402-525-1624
rob.bozell@nebraska.gov | history.nebraska.gov

Preserving the Past. Building the Future

State Archeology Office

Project Survey Summary

Control Number: SHPO # 2009-078-01

Project Number: NA **Project Name:** Cedar Valley Rifle Range

County: Lincoln **Nearest Water:** Medicine Creek

Legal Description:

NE 1/4 NE 1/4 of Sec. 23 T9N R30W

APE Description (Add Maps):

The APE includes all areas that may see construction for the Cedar Valley Rifle Range (see attached map).

Maps Used: Project maps, Aerials, USGS 7.5 Curtis NW Topo map

Project Character (Attach Project Description):

Rifle Range Construction

Project Length/Area: 8.6 Acres

Survey Length/Area: 8.6 Acres

Detour? [X] No [ ] Yes, without Constr. Activities [ ] Yes, w/ Constr. Activities

Date(s) of Archeological Survey: 11-23-20

Name(s) of Survey Personnel: Nolan Johnson, Talon O' Connor

Person-Hours of Fieldwork: 11

Ground Cover (%-Visibility)

Mowed weeds 25-75%, grass and trees 0-10%, erosional features and side slopes 50-95%

Survey Interval/Provisions:

Five to ten meter zig zag transects were used. Subsurface testing was also performed.

Rationale for Non-surveyed Areas:

The entire APE was surveyed.

Results of Survey:

- [X] **No Archeological Resources Discovered**
- [ ] **Site(s) Discovered** Site Numbers:
- [ ] **Other** (explain)

Project Effect Determination for Archeology

- [X] **No Historic Properties Affected:** [X] None Present [ ] Present but Not Affected
- [ ] **No Adverse Effect**
- [ ] **Adverse Effect**

Are Further Archeological Investigations Warranted? [ ] Yes [X] No

Is THPO Consultation Recommended by Sponsor Agency? [ ] Yes [ ] No **List Tribes:** Needs to be determined by lead federal agency.

Stipulations/Exceptions to Survey Results: Evaluate Buried Cultural Remains if Encountered.

Comments:

Prepared by: Nolan Johnson **Date:** 11-30-20

Subsurface Tests

Auger Test #	Depth (cm)	Diameter	Description (cm)	Artifact
1	55	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
2	40	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
3	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
4	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
5	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
6	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
7	52	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
8	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
9	47	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
10	44	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
11	60	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
12	63	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
13	104	4 inches	silt loam, loess, hard, softer and lighter with depth, some CaCO2 at bottom	NO
14	66	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
15	60	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
Shovel Test #	**Depth (cm)**	**Diameter (cm)**	**Description**	**Artifact**
1	38	35	very hard and dry, 0-27 cm 10YR 4/3 silt loam, 27-35 cm 10YR 6/3 silt loam	NO

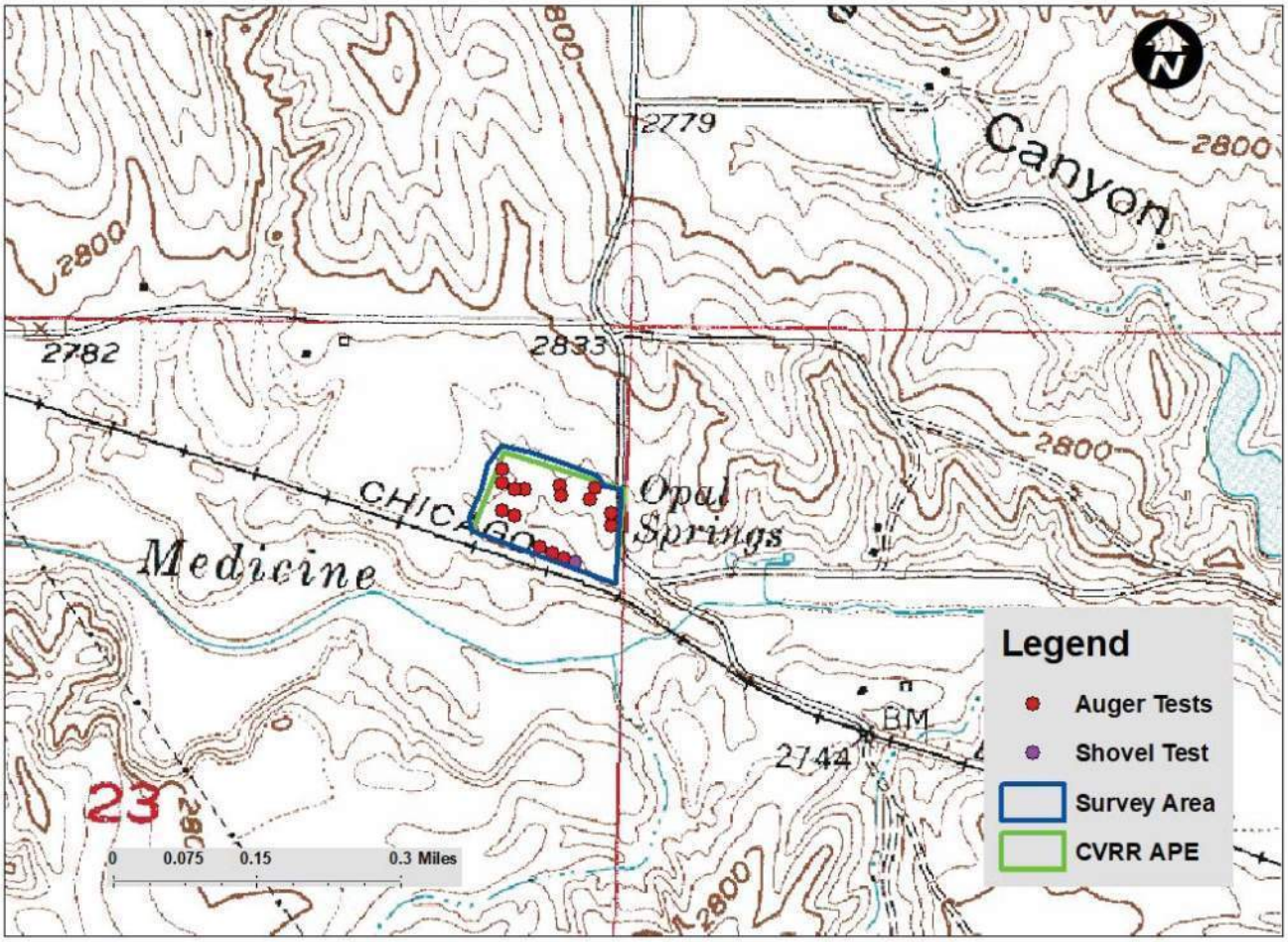
State Archeology Office

Project Survey Summary Map/Image Sheet

Control Number: SHPO # 2009-078-01

Project Number: Cedar Valley Rifle Range

Cedar Valley Rifle Range



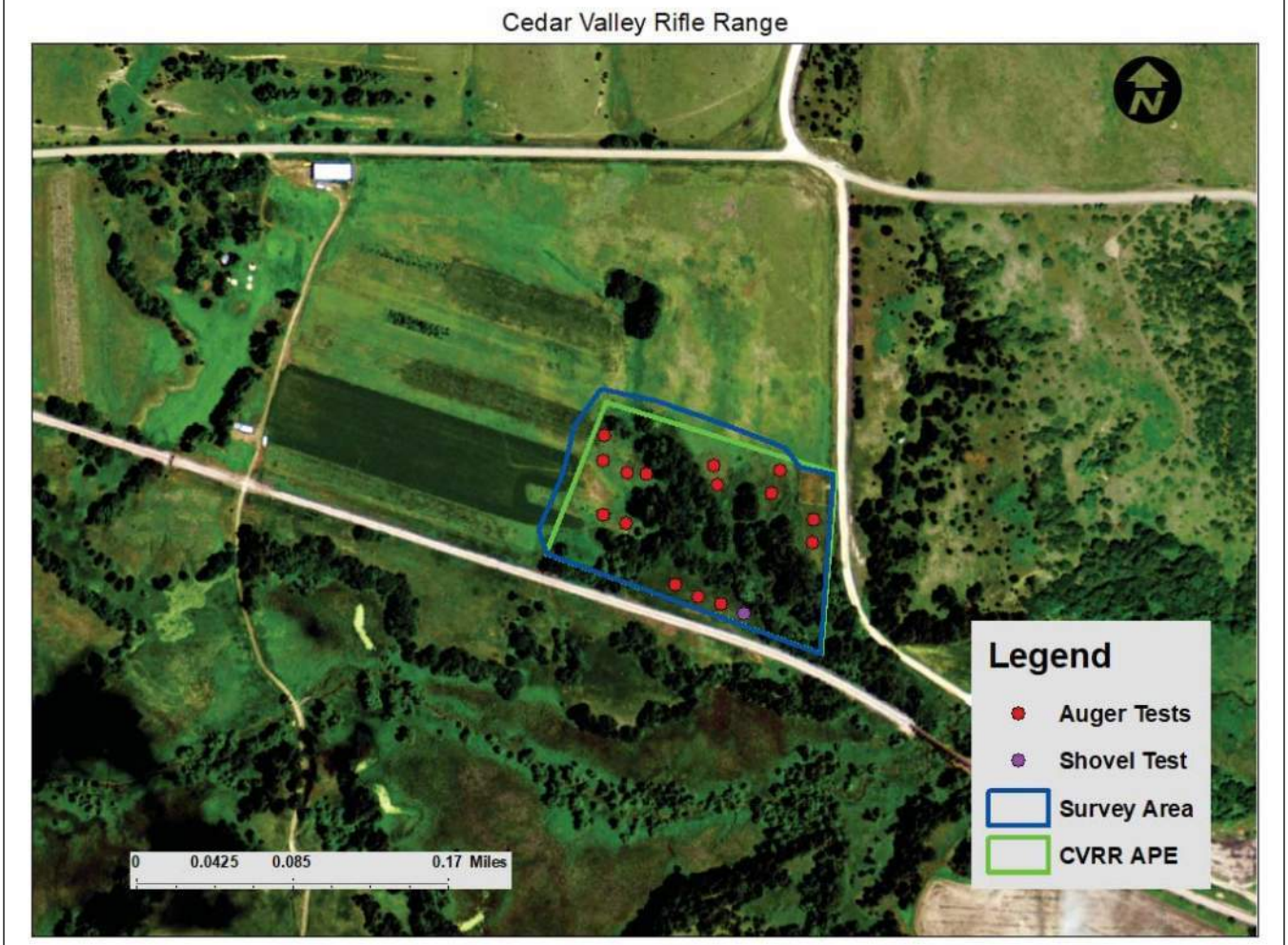
History NEBRASKA ARCHEOLOGY
Nebraska State Historical Society

State Archeology Office

Project Survey Summary Map/Image Sheet

Control Number: SHPO # 2009-078-01

Project Number: Cedar Valley Rifle Range



Outlook

Re: Request for info regarding previous survey

From Williams, Dave <Dave.Williams@nebraska.gov>
Date Tue 10/28/2025 9:10 AM
To Carlson, Rachel <rachel.carlson@nebraska.gov>

Rachel,

My apologies for the delay. It's been a hectic few weeks over here!

I've responded to your questions in red below. If you need any additional information, please let me know. I'm off this afternoon and heading to a conference tomorrow, so unfortunately it'll be next week before I'll be able to get you anything else. But I hope my responses below help.

Thanks,
Dave

Dave Williams | State Archeologist
Nebraska State HISTORICAL SOCIETY
5050 N 32nd St., Lincoln, NE 68504
402-219-2759 | dave.williams@nebraska.gov
history.nebraska.gov

From: Carlson, Rachel <rachel.carlson@nebraska.gov>
Sent: Monday, October 27, 2025 12:24 PM
To: Williams, Dave <Dave.Williams@nebraska.gov>
Subject: Re: Request for info regarding previous survey

Hi Dave! Please let me know if you need additional information or if I should reach out directly to Nolan Johnson or Talon O'Connor. Running into a deadline to submit a response on this.

Much appreciated,

Rachel Carlson
Nebraska Game and Parks Commission | Shooting Range/Sports Coordinator
o | 402.471.5678
c | 531.350.3456
e | rachel.carlson@nebraska.gov

From: Carlson, Rachel
Sent: Thursday, October 16, 2025 3:41 PM
To: Williams, Dave <Dave.Williams@nebraska.gov>
Subject: Request for info regarding previous survey

Good afternoon Dave -

Following up (a bit slowly on my part) on our phone convo from a few weeks ago about getting some additional details on a Project Survey (SHPO # 2009-078-01) that was done back in 2020.

There have been some inquiries come back as a result of tribal letters that were sent out in conjunction with the review of the draft environmental assessment. These are included below:

-Is there a class III cultural survey report, or has there been this type of survey conducted? Please advise and I would like to see a class III survey report or one must be conducted prior any ground disturbance. The survey conducted did constitute a Class III survey—we completed full pedestrian survey of the project area, as well as subsurface testing consisting of both shovel and auger tests to identify whether any subsurface cultural material was present. Since no archeological sites were identified on the surface or during testing, no NRHP evaluative testing was necessary.
-What kind of survey did the archeologist conduct and where is his report? Were there tribal cultural specialists present on the survey? This report doesn't report much about the landscape or history of the land. What you have is the complete survey report. The Project Survey Summary form is an abbreviated survey report form that we developed years ago that highlights the primary survey and project details, and any discoveries made. These reports have been adequate for a majority of the contract projects we complete in meeting Section 106 requirements and other cultural resources laws and regulations, particularly for the Nebraska Department of Transportation, but also for the Game and Parks Commission and other state and federal agencies. Since we were brought on as a cultural resources contractor on the project, we did not conduct any tribal consultation or arrange for tribal cultural specialists to be on hand. That's typically the responsibility of the federal agency funding/leading the project, or an alternate agent (like the Game and Parks Commission) if designated by the lead federal agency.

I will note that I was not here when this survey was conducted, so I'm not sure what all of the details provided to our team were. A majority of the work we do for the Game and Parks Commission is for state-funded projects, so the additional comprehensive report details and tribal consultation aren't generally part of those projects, unless specifically asked for or in situations where unmarked human skeletal remains are encountered. I know that if we had been asked by Game and Parks to arrange for tribal cultural specialists to be onsite during survey and testing, we would have accommodated that request.

The entirety of the attached file was included with in the environmental assessment appendices. Any information you could provide on the inquiries, or advice on how to address them, is sincerely appreciated.

Best,
Rachel Carlson
Nebraska Game and Parks Commission | Shooting Range/Sports Coordinator
o | 402.471.5678
c | 531.350.3456
e | rachel.carlson@nebraska.gov

WARRANTY DEED

GORDON C. McMULLEN and VERDA B. McMULLEN, husband and wife, GRANTORS, in consideration of Two Hundred Forty Six Thousand Four Hundred ($246,400.00) Dollars convey to STATE OF NEBRASKA, GAME AND PARKS COMMISSION, GRANTEE, the following described Real Estate in Lincoln County, Nebraska (as defined in Neb. Rev. Stat. 76-201):

TOWNSHIP 9 NORTH, RANGE 30 WEST OF THE 6TH P.M., LINCOLN COUNTY, NEBRASKA

SECTION 23: E½;
SECTION 25: W½;
SECTION 26: NE¼ AND E½SE¼;

together with all gas, oil and mineral rights.

GRANTORS covenant with GRANTEE that GRANTORS:

(1) Are lawfully seized of such Real Estate and that it is free from encumbrances except easements, rights of way and reservations of record;

(2) Have legal power and lawful authority to convey the same;

(3) Warrant or will defend title to the Real Estate against the lawful claims of all persons.

Executed: 26th day of October, 1995.

Gordon C McMullen
GORDON C. McMULLEN

Verda B. McMullen
VERDA B. McMULLEN

STATE OF CALIFORNIA)
) SS.
COUNTY OF Alameda)

The foregoing instrument was acknowledged before me on the 26th day of October, 1995 by GORDON C. McMULLEN and VERDA B. McMULLEN, husband and wife.

DAVE KURTZER
Comm. # 1003519
NOTARY PUBLIC - CALIFORNIA
Alameda County
My Comm. Expires Aug. 29, 1997

Dave Kurtzer
Notary Public

2597
341RE.WP

1595 105626

FEE BOOK
NUMERICAL
GEN. INDEX
COMPARED

LINCOLN COUNTY, NE
RECORDED & ENTERED
BOOK PAGE
520 419
'95 OCT 31 PM 3 00

NEBRASKA DOCUMENTARY STAMP TAX
OCT 31 1995
EXEMPT #2 BT

REGISTER OF DEEDS

Appendix I

Nebraska State Fire Marshal Correspondence December 8, 2023

Keith Tillotson - M&A

From: Hatton, Rosemary <rosemary.hatton@nebraska.gov>
Sent: Friday, December 8, 2023 3:07 PM
To: Keith Tillotson - M&A
Subject: RE: Environmental Review-Cedar Valley WMA Shooting Range
Attachments: Wellfleet Tanks.xlsx

This is in response to your inquiry regarding the environmental review for the above referenced project. At this time there are no facts known that would impact this project.

I have completed a search on our database. I have attached here a search of underground and aboveground storage tanks for the city in question. If you would like more information about any of the sites listed contact me.

Other issues related to construction, such as plan reviews and installation permits, are also not addressed in this response.

If you find that the proposed construction may be affected by underground storage tanks or if you have further questions, please contact me.

Regards,

Rosemary Hatton,
Administrative Technician, Fuels Division

Nebraska State Fire Marshal Agency
Office | 402-471-9664
Rosemary.Hatton@nebraska.gov

sfm.nebraska.gov | Facebook | Twitter | YouTube
Arson Hotline 1-888-WY-ARSON

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From: Keith Tillotson - M&A <ktillotson@miller-engineers.com>
Sent: Wednesday, December 6, 2023 3:19 PM
To: Hatton, Rosemary <rosemary.hatton@nebraska.gov>
Subject: Environmental Review-Cedar Valley WMA Shooting Range

I have attached a cover letter, detailed project description, location map and site drawing for the State Fire Marshall's review.

Keith Tillotson

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Avenue | 308-234-6456 (p)
Kearney, NE 68847 | 308-234-1146 (f)
www.miller-engineers.com
ktillotson@miller-engineers.com

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Appendix J

Nebraska Department of Natural Resources Correspondence
December 8, 2023

NEBRASKA
Good Life. Great Water.
DEPT. OF NATURAL RESOURCES

Project Review

DATE: December 8, 2023
TO: Keith Tillotson, Miller & Associates
FROM: Curt Inbody, NeDNR
SUBJECT: Cedar Valley WMA Shooting Range

As requested, the Nebraska Department of Natural Resources (NeDNR) has reviewed the proposed project for potential impacts to jurisdictional dams, floodplain management, registered groundwater wells, stream gages, and surface water rights. The project review identified no comments.

If you have any questions about this review, please feel free to contact me at 402.471.0591 or curt.inbody@nebraska.gov.

Cc: Mike Thompson, NeDNR

Appendix K

USDA NRCS Correspondence January 22, 2024
USDA Farmland Conversion Impact Rating December 6, 2023

USDA Natural Resources Conservation Service
U.S. DEPARTMENT OF AGRICULTURE

Nebraska State Office
Federal Building, Room 152
100 Centennial Mall North
Lincoln, NE 68508-3866

Subject: LNU-Farmland Protection
Cedar Valley WMA Shooting Range Project
NEPA/FPPA Evaluation
Lincoln County, Nebraska

Date: January 22, 2024

To: Miller and Associates Consulting Engineers
Attn: Keith Tillotson, Environmental Technician (ktillotson@miller-engineers.com)

We have reviewed the information provided in your correspondence dated December 6, 2023, concerning the shooting range project located in Lincoln County, Nebraska. This review is part of the National Environmental Policy Act (NEPA) evaluation for the U.S. Fish and Wildlife Service (USFWS). We have evaluated the proposed site as required by the Farmland Protection Policy Act (FPPA).

The proposed site contains areas of Prime Farmland and Statewide Important Farmland and we have completed the Farmland Conversion Impact Rating form (AD-1006) for the proposed site. The combined rating of the site is 125. The FPPA law states that sites with a rating less than 160 will need no further consideration for protection and no additional evaluation is necessary. We encourage the use of accepted erosion control methods during the construction of this project.

If you have further questions, please contact Elizabeth Gray at 402-437-4068 or by email at Elizabeth.gray@usda.gov (preferred).

Sincerely,

Elizabeth Gray
USDA-NRCS Nebraska Assistant State Soil Scientist

Attachment: Cedar Valley WMA Shooting Range_NE111

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U.S. Department of Agriculture

FARMLAND CONVERSION IMPACT RATING

PART I *(To be completed by Federal Agency)*		Date Of Land Evaluation Request 12/6/23	
Name of Project Cedar Vally WMA Shooting Range		Federal Agency Involved US Fish and Wildlife	
Proposed Land Use rifle range construction		County and State Lincoln County, Nebraska	
PART II *(To be completed by NRCS)*		Date Request Received By NRCS 12/6/2023	Person Completing Form: Elizabeth C Grav
Does the site contain Prime, Unique, Statewide or Local Important Farmland? *(If no, the FPPA does not apply - do not complete additional parts of this form)*	YES ☑ NO ☐	Acres Irrigated 242,765	Average Farm Size 1305.0
Major Crop(s) Corn, Soybeans, Small Grains	Farmable Land In Govt. Jurisdiction Acres: 1,482,845 % 90.0	Amount of Farmland As Defined in FPPA Acres: 272,400 % 16.5	
Name of Land Evaluation System Used NCCPI	Name of State or Local Site Assessment System NONE	Date Land Evaluation Returned by NRCS 1/22/24	

PART III *(To be completed by Federal Agency)*	Alternative Site Rating			
	Site A	Site B	Site C	Site D
A. Total Acres To Be Converted Directly	9			
B. Total Acres To Be Converted Indirectly	0			
C. Total Acres In Site	9			
PART IV *(To be completed by NRCS)* Land Evaluation Information				
A. Total Acres Prime And Unique Farmland	4			
B. Total Acres Statewide Important or Local Important Farmland	0			
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted	0.00060			
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value	25			
PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points)	54			

PART VI *(To be completed by Federal Agency)* Site Assessment Criteria *(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)*	**Maximum Points**	Site A	Site B	Site C	Site D
1. Area In Non-urban Use	(15)	15			
2. Perimeter In Non-urban Use	(10)	10			
3. Percent Of Site Being Farmed	(20)	1			
4. Protection Provided By State and Local Government	(20)	20			
5. Distance From Urban Built-up Area	(15)	12			
6. Distance To Urban Support Services	(15)	10			
7. Size Of Present Farm Unit Compared To Average	(10)	0			
8. Creation Of Non-farmable Farmland	(10)	0			
9. Availability Of Farm Support Services	(5)	3			
10. On-Farm Investments	(20)	0			
11. Effects Of Conversion On Farm Support Services	(10)	0			
12. Compatibility With Existing Agricultural Use	(10)	0			
TOTAL SITE ASSESSMENT POINTS	160	71	0	0	0
PART VII ***(To be completed by Federal Agency)***					
Relative Value Of Farmland *(From Part V)*	100	54	0	0	0
Total Site Assessment *(From Part VI above or local site assessment)*	160	71	0	0	0
TOTAL POINTS ***(Total of above 2 lines)***	260	125	0	0	0

Site Selected:	Date Of Selection	Was A Local Site Assessment Used? YES ☐ NO ☑

Reason For Selection:

Name of Federal agency representative completing this form:	Date:

(See Instructions on reverse side) **Form AD-1006 (03-02)**

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, http://fppa.nrcs.usda.gov/lesa/.

Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s)of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)

Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.

Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.

Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.

Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.

Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.

2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.
Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \text{ X } 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

Appendix L

NGPC Letter October 21, 2020
NGPC Letter March 20, 2024
NGPC Letter January 12, 2026
USFWS Correspondence December 7, 2023

NEBRASKA
GAME PARKS

2200 N. 33rd St. • P.O. Box 30370 • Lincoln, NE 68503-0370 • Phone: 402-471-0641

October 21, 2020

Jeff Rawlinson
2200 N 33rd St.
Lincoln, NE 68503

Re: Cedar Valley Shooting Range, Lincoln County, Nebraska

Dear Mr. Rawlinson:

Please make reference to your email dated September 17, 2020. This letter is in response to your request for a review of this project's potential impacts to endangered and threatened species in Lincoln County, Nebraska. As we understand it, the project involves the development of a rifle sight-in range. We have completed our review of the proposed project under Neb. Rev. Stat. § 37-807 (3) of the Nongame and Endangered Species Conservation Act and we offer the following comments.

This project is within range of the state and federally listed endangered American burying beetle (ABB) (Nicrophorus americanus) and whooping crane (Grus americana); and the state-listed endangered swift fox (*Vulpes velox*)**.** Based on the scope and location of the project and lack of habitat for swift fox and whooping crane we don't anticipate adverse impacts for either species. However, there is suitable habitat in the project area for ABB. On October 20, 2020, it was agreed that the following commitments would be incorporated into the project to minimize potential impacts to ABB:

- If the project will be implemented from July 1 thru September 1, then before June 15th first remove carrion in area of ground disturbance then mow vegetation to <8 inches in height. Conditions must be maintained until project completed.
- If the project will be implemented from September 1 thru April 1, then before August 15th first remove carrion in area of ground disturbance then mow vegetation to <8 inches in height. Conditions must be maintained until project completed.
- If the project will be implemented from April 1 thru July 1, then 2 weeks prior to construction first remove carrion in area of ground disturbance then mow vegetation to <8 inches in height. Conditions must be maintained until project completed.
- Also, any lighting should be down-shielded and garbage cans should be covered.

Therefore, we have determined that the proposed project "may affect, but is not likely to adversely affect" American burying beetle and will have no adverse effect on all other state-listed endangered or threatened species. We made this determination based on a review of the material you sent, aerial photographs, and our Nebraska Natural Heritage Database. If the proposed project is changed or new information regarding endangered or threatened species becomes available, then this determination is no longer valid and further consultation with the Nebraska Game and Parks Commission will be necessary.

2200 N. 33rd St. • P.O. Box 30370 • Lincoln, NE 68503-0370 • Phone: 402-471-0641

All federally listed endangered or threatened species are also state-listed. For an assessment of potential impacts to habitats and species protected under federal wildlife laws, including federally listed, candidate or proposed endangered or threatened species, please contact Eliza Hines (eliza_hines@fws.gov), Nebraska Field Office, U.S. Fish and Wildlife Service, 9325 South Alda Road, Wood River, Nebraska 68883.

Thank you for the opportunity to comment. If you have any questions or need additional information, please feel free to contact me at (402) 471-5423 or shannon.sjolie@nebraska.gov.

Sincerely,

Shannon Sjolie
Environmental Analyst Supervisor
Planning & Programming Division

NEBRASKA
GAME PARKS
2200 N. 33rd St. • P.O. Box 30370 • Lincoln, NE 68503-0370 • Phone: 402-471-0641

March 20, 2024

The U.S. Fish and Wildlife Service concurs with your determinations that the described project will not adversely affect listed species or critical habitat. Contact this office if changes are made or new information becomes available.

MARK PORATH
Digitally signed by MARK PORATH
Date: 2024.03.23 10:01:20 -05'00'

Project Leader, Nebraska Field Office Supervisor

Keith Tillotson
MILCO Environmental Services, Inc.
1111 Central Ave
Kearney, NE 68847

RE: Cedar Valley WMA Rifle Range Development, Proponent Project No. M160-P3-006, Project Location, Lincoln County

Dear Keith Tillotson:

Please make reference to your CERT Environmental Review Report (ERR) NE-CERT-011246 dated December 7, 2023, and subsequent email dated February 17, 2024. This letter is in response to your request for further consultation based on the results of the ERR. As we understand it, the project would involve the construction of a 100-yard single lane rifle range, a 25-yard single lane pistol range, and improved parking facilities at the Cedar Valley Wildlife Management Area (WMA). On October 21, 2020, the Nebraska Game and Parks Commission (NGPC) completed informal consultation regarding this project. Due to the reclassification of American burying beetle (*Nicrophorus americanus*) from federally and state listed endangered to federally and state listed threatened, NGPC is re-evaluating the project. We have completed our review of the proposed project under Neb. Rev. Stat. §37-801 to 37-811 of the Nongame and Endangered Species Conservation Act (NESCA) and we offer the following comments. This letter should be used in combination with the CERT ERR to constitute a complete environmental review for this project.

This project is within range of the state and federally listed endangered whooping crane (*Grus americana*); the state and federally listed threatened American burying beetle (*Nicrophorus americanus*); and the state listed endangered swift fox (*Vulpes velox*). Based on aerial imagery, there does not appear to be suitable habitat for whooping crane and swift fox within the immediate vicinity of the project area. Therefore, we do not anticipate any impacts to these species.

American burying beetles (ABB) are found in a variety of habitats including grassland prairie, forest edge, scrubland, and mesic areas such as wet meadows, streams, and wetlands with grasses >8 inches in height. Suitable habitat for ABB may be present within the proposed project area. However, due to the degraded nature of any potential habitat and proximity to the western edge of the species' Loess Canyons range, incidental "take" of ABB is not reasonably certain to occur on this project.

Therefore, we concur with the project proponent's determination that the proposed project "**May Affect, but is Not Likely to Adversely Affect**" American burying beetle and acknowledge no impacts are anticipated on all other state-listed endangered or threatened species.

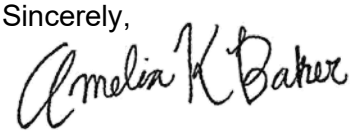
We conducted our review based on the material you sent, aerial photographs, and the Nebraska Natural Heritage database. If the proposed project changes or new information regarding endangered or threatened species becomes available, then this evaluation is no longer valid

and further coordination with the Nebraska Game and Parks Commission Planning and Programming Division will be necessary.

All federally listed endangered or threatened species are also state-listed. For an assessment of potential impacts to habitats and species protected under federal wildlife laws, including federally listed, candidate or proposed endangered or threatened species, please contact the Nebraska Field Office (nebraskaes@fws.gov), U.S. Fish and Wildlife Service, 9325 South Alda Road, Wood River, NE 68883.

Thank you for the opportunity to review this proposal. If you have any questions regarding these comments, please contact me at (402) 471-5423 or amelia.baker@nebraska.gov.

Sincerely,



Amelia Baker
Environmental Specialist II
Planning and Programming Division

ec: Nebraska Field Office, USFWS
Ruby Rolland, NGPC

NEBRASKA
GAME PARKS
2200 N. 33rd St. • P.O. Box 30370 • Lincoln, NE 68503-0370 • Phone: 402-471-0641

January 12, 2026

Daren Konda
Engineering Division
Nebraska Game and Parks Commission
2200 N 33rd Street
Lincoln, NE 68503

RE: Cedar Valley Wildlife Management Area Range Development, Engineering Project No. PR 21-196, Lincoln County

Dear Daren Konda:

Please make reference to your CERT Environmental Review Report (ERR) NE-CERT-016096 dated December 29, 2025, and subsequent email dated December 30, 2025. This letter is in response to your request for further consultation based on the results of the ERR. As we understand it, the project would involve construction of a shooting range at Cedar Valley Wildlife Management Area. The range is proposed to have two 100-yard and two 25-yard shooting lanes, soil berms to contain bullets, shooting canopy, parking area with accessible route to the range, shooting table with an adjustable seating stool and permitter fencing. On October 21, 2020, and March 20, 2024, the Nebraska Game and Parks Commission (NGPC) completed informal consultation on this project. Due to the change in project scope and a new phase of the project, NGPC is re-consulting in 2026.

We recognize this review is being requested by the Nebraska Game and Parks Commission, Engineering Division, to fulfill consultation requirements. We have completed our review of the proposed project under Neb. Rev. Stat. § 37-807(3)(c) of the Nongame and Endangered Species Conservation Act and we offer the following comments. This letter should be used in combination with the CERT ERR to constitute a complete environmental review for this project.

This project is within range of the state and federally listed endangered whooping crane (*Grus americana*) and northern long-eared bat (*Myotis septentrionalis*); the state and federally listed threatened American burying beetle (*Nicrophorus americanus*); and the state listed endangered swift fox (*Vulpes velox*). There does not appear to be suitable habitat for swift fox and whooping crane within the proposed project area.

In the CERT-ERR (NE-CERT-016096) signed and dated December 29, 2025, NGPC confirmed that the following conservation measures would be implemented to prevent negative impacts to northern long-eared bat.

- **NLEB CM-2:** No removal of suitable trees or roosting structures between May 15 and July 31 (maternity roosting season).

American burying beetles (ABB) are found in a variety of habitats including grassland prairie, forest edge, scrubland, and mesic areas such as wet meadows, streams, and wetlands with grasses >8 inches in height. During the summer active season, ABB bury themselves under the soil or top layer of vegetation during the daytime and emerge at night to forage. Additionally, ABB larvae live underground until they pupate into adults. As these beetles and their larvae are

undetectable beneath the soil surface, soil disturbance in suitable habitat can lead to an unknown number of adults and young being crushed and killed. Suitable habitat for ABB may be present within the proposed project area. However, due to the degraded nature of any potential habitat and the project location's proximity to the western edge of the species' Loess Canyons range, incidental "take" of ABB is not reasonably certain to occur on this project.

Based on the information provided, we concur with the project proponent's determination that the proposed project "**May Affect, but is Not Likely to Adversely Affect**" northern long-eared bat and American burying beetle and acknowledge no impacts are anticipated on all other state-listed endangered or threatened species.

Our review was based on an evaluation of the material you provided, aerial photographs, and information found in the Nebraska Natural Heritage database. If the proposed project changes or new information regarding endangered or threatened species becomes available, then this evaluation is no longer valid and further coordination with the Nebraska Game and Parks Commission Wildlife Division will be necessary.

All federally listed endangered or threatened species are also state listed. The information in this letter does not satisfy any necessary consultation obligation between a lead federal agency and the U.S Fish and Wildlife Service pursuant to the Endangered Species Act (ESA). For an assessment of potential impacts to habitats and species protected under federal wildlife laws, including federally listed, candidate or proposed endangered or threatened species, please visit the USFWS Information for Planning and Consultation Tool (IPAC) at https://ipac.ecosphere.fws.gov/.

Thank you for the opportunity to review this project. If you have any questions regarding these comments, please contact me at (402) 471-5423 or ngpc.envreview@nebraska.gov.

Sincerely,

Amelia K Baker

Amelia Baker
Environmental Specialist II
Wildlife Division

ec: Ruby Micek, NGPC

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Nebraska Ecological Services Field Office
9325 B South Alda Rd., Ste B
Wood River, NE 68883-9565
Phone: (308) 382-6468 Fax: (308) 384-8835

In Reply Refer To: December 07, 2023
Project Code: 2024-0024386
Project Name: Cedar Valley Wildlilfe Management Area Rifle Range Development Project

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service (fws.gov).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Nebraska Ecological Services Field Office
9325 B South Alda Rd., Ste B
Wood River, NE 68883-9565
(308) 382-6468

PROJECT SUMMARY

Project Code: 2024-0024386

Project Name: Cedar Valley Wildlilfe Management Area Rifle Range Development Project

Project Type: Recreation - New Construction

Project Description: NE 1/4 of NE 1/4 of Section 23, T9N, R30W, Lincoln County, NE. 8.6 acres affected by construction. Develop a 100-yard single lane rifle range and a 25-yard single lane pistol range. Some tree removal required. Develop ADA trail from existing parking lot to shooting bench. Construct new perimeter fence. Construct new parking lot and new access from road.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.740310199999996,-100.69827667481425,14z

Counties: Lincoln County, Nebraska

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Piping Plover *Charadrius melodus* Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6039	Threatened
Whooping Crane *Grus americana* Population: Wherever found, except where listed as an experimental population There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/758	Endangered

FISHES

NAME	STATUS
Pallid Sturgeon *Scaphirhynchus albus*	Endangered

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/7162

INSECTS

NAME	STATUS
American Burying Beetle *Nicrophorus americanus*	Threatened

Population: Wherever found, except where listed as an experimental population
No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/66

Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

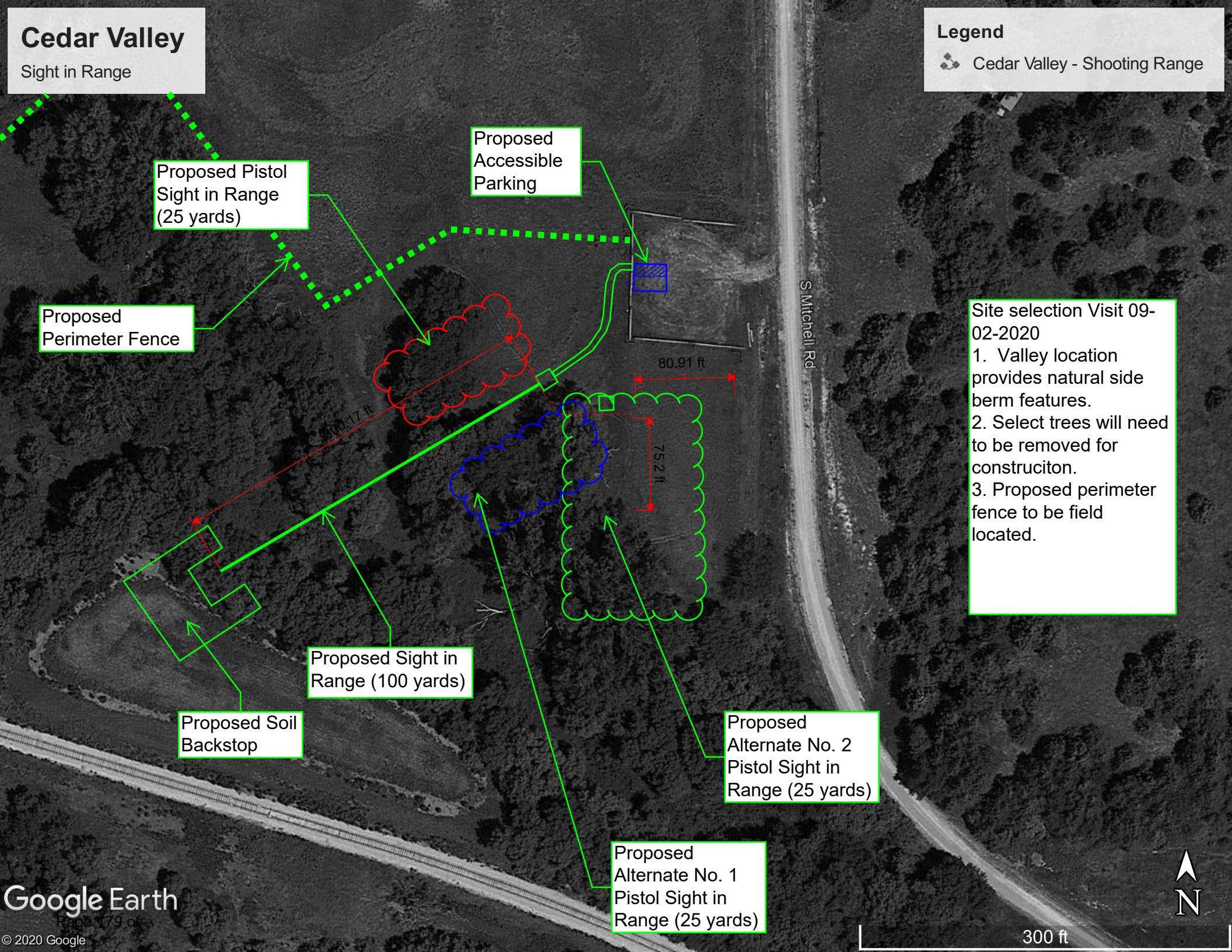
CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Keith Tillotson
Address: 1111 Central Avenue
City: Kearney
State: NE
Zip: 68847
Email ktillotson@miller-engineers.com
Phone: 3082346456


Cedar Valley
Sight in Range
Legend
Cedar Valley - Shooting Range
Proposed Pistol Sight in Range (25 yards)
Proposed Accessible Parking
Proposed Perimeter Fence
S Mitchell Rd
80.91 ft
300.17 ft
75.2 ft
Site selection Visit 09-02-2020
1. Valley location provides natural side berm features.
2. Select trees will need to be removed for construciton.
3. Proposed perimeter fence to be field located.
Proposed Sight in Range (100 yards)
Proposed Soil Backstop
Proposed Alternate No. 2 Pistol Sight in Range (25 yards)
Proposed Alternate No. 1 Pistol Sight in Range (25 yards)
Google Earth
© 2020 Google
N
300 ft

Keith Tillotson - M&A

From: Nebraskaes, FW6 <Nebraskaes@fws.gov>
Sent: Saturday, December 9, 2023 1:21 PM
To: Keith Tillotson - M&A
Subject: Re: [EXTERNAL] Environmental Review-Cedar Valley WMA Shooting Range

Good afternoon Keith,
Thank you for your interest in protecting and preserving Nebraska's and our nation's natural resources. Unfortunately, due to the limited information regarding the project and activities we are unable with the materials submitted to provide a review sufficient for the lead federal agency to ensure compliance with the Endangered Species Act (ESA). This is required pursuant to section 7(a)(2) that every federal agency shall in consultation with the US Fish and Wildlife Service (Service) ensure that any action they authorize, fund, or carry out is not likely to jeopardize the continued existence of a listed species or result in the destruction or adverse modification of designated critical habitat. If a proposed project may potentially affect federally listed species or designated critical habitat, than additional consultation with the Service may be required.

To determine the level of coordination or consultation needed, sufficient information regarding the action area and activities and the species and their habitats potentially impacted by the project are needed. To assist in your continued development of the project, we are providing the below information as technical assistance.

To identify public trust species or critical habitat that may occur near your project location, please submit a request for a federal IPAC (https://ecos.fws.gov/ipac/) report. This report provides valuable information on avoiding impacts and can suggest conservation measures. If the report indicates that public trust species or critical habitat may occur near your project, or that some project activities may influence outside habitat (e.g., stream depletions), a consultation may be required and the steps to assemble a project review package can be found at our office's project planning assistance webpage. https://www.fws.gov/office/nebraska-ecological-services/project-planning-and-review-under-endangered-species-act

Thank you for your interest in protecting and preserving Nebraska's and our nation's natural resources. If you should have any further questions please let us know at your earliest convenience.
Regards,
Mark

Mark Porath
Nebraska Project Leader/Field Supervisor
Ecological Services, Mountain-Prairie Region
U.S. Fish and Wildlife Service
Office: 308-382-6468
Cell: 308-216-2077
mark_porath@fws.gov
nebraskaes@fws.gov

Nebraska Field Office
U.S. Fish and Wildlife Service
9325 South Alda Road
Wood River, Nebraska 68883

NebraskaES@fws.gov
For a species list, visit https://ecos.fws.gov/ipac/
Office information https://www.fws.gov/nebraskaes/index.php

From: Keith Tillotson - M&A <ktillotson@miller-engineers.com>
Sent: Wednesday, December 6, 2023 2:53 PM
To: Nebraskaes, FW6 <Nebraskaes@fws.gov>
Subject: [EXTERNAL] Environmental Review-Cedar Valley WMA Shooting Range

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I have attached a cover letter, detailed project description, location map and site drawing for USFWS's review. USFWS is the proposed funding agency.

Keith Tillotson

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Avenue | 308-234-6456 (p)
Kearney, NE 68847 | 308-234-1146 (f)

www.miller-engineers.com
ktillotson@miller-engineers.com

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Appendix M

Indian Nation Responses

From: Cooke, Samantha A
To: "T.Lonehill@oglala.org"
Subject: Oglala Sioux Tribe - Updated Contact information?
Date: Friday, January 30, 2026 7:23:00 AM
Attachments: image002.png

Hello Trina,
I am looking for updated contact information for the Oglala Sioux Tribe? I received a bounce back on both email and mail for this tribe using the 320 Pineridge Kyle, SD 57752 address.

Oglala Sioux Tribe	Star Comes Out	Frank	President	Highway 18 Main Street	Pine Ridge	SD	57770
Oglala Sioux Tribe	Pourier	Justin	THPO Acting	320 Pineridge	Kyle	SD	57752

I heard you are a board member of the tribe, if I'm in error could you please forward me the information for the appropriate contact person?

Thank you very much,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
USFWS – Mountain Prairie Region (R6)
1 Denver Federal Center, Building 53
Denver, CO 80225
Mobile: (303) 562-6613

Office of CONSERVATION INVESTMENT
Partnering to fund conservation and connect people with nature.

From: Cooke, Samantha A
To: "gary.lafranier@cheyennenation.com"
Subject: RE: [EXTERNAL] Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project.
Date: Thursday, October 23, 2025 12:15:00 PM

Thank you, Gary. We appreciate your reply and interest in the project.

Take care,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From: gary.lafranier@cheyennenation.com <gary.lafranier@cheyennenation.com>
Sent: Thursday, September 18, 2025 11:32 AM
To: Cooke, Samantha A <samantha_cooke@fws.gov>
Subject: [EXTERNAL] Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project.
Importance: High

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Good Morning,

Northern Cheyenne concurs with the findings of No Historic Properties.

Thank You,

Gary LaFranier
FCC/ Section 106 Coordinator
(406) 477-8113
Lame Deer, MT. 59043

From:	Joseph Reed
To:	Cooke, Samantha A
Subject:	[EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project
Date:	Monday, September 22, 2025 2:21:36 PM
Attachments:	image002.png image003.png image004.png image005.png image006.png image007.png

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The Pawnee Nation Office of Historic Preservation has received the information and materials requested for our Section 106 Review and Consultation. Consultation with the Pawnee Nation is required by Section 106 of the National Historic Preservation Act of 1966 (NHPA) and 36 CFR Part 800.

Given the information provided, you are hereby notified that the following proposed project/s is should not adversely affect the cultural landscape of the Pawnee Nation.

However, be advised that additional undiscovered properties could be encountered, and they must immediately be reported to us under both the National Historic Preservation Act and the Native American Graves Protection and Repatriation Act regulations.

This information is provided to you in complying with 36CFR Part 800 for Section 106 Consultation procedures. Should you have questions, please do not hesitate to contact me at jreed@pawneenation.org or by phone at 918-762-9728. Thank you for your time and consideration.

Sincerely,

Joseph M. Reed

Matt Reed
Historic Preservation Officer
Pawnee Nation of Oklahoma

Kukâkû'ut
Matt Reed
Tribal Historic Preservation Officer

Phone: (918) 762 - 9728
Email:jreed@pawneenation.org

881 Little Dee Drive
Pawnee, OK 74058

www.PawneeNation.org

From: Cooke, Samantha A <samantha_cooke@fws.gov>
Sent: Thursday, August 21, 2025 6:51 PM
To: Misty Nuttle <mnuttle@pawneenation.org>; Joseph Reed <jreed@pawneenation.org>
Cc: Riley, Clint <clint_riley@fws.gov>
Subject: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

Hello,
Please find the official consultation letter and corresponding project documents attached to this email. This consultation request pertains to a proposed Nebraska Game and Parks Commission shooting range development project located at the Cedar Valley Wildlife Management Area, in Lincoln County, Nebraska.

We appreciate any information you can provide. We thank you for your consideration and participation in this process.
If there are any further questions or concerns, please email or call me at any time.

Take care,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
USFWS – Mountain Prairie Region (R6)
1 Denver Federal Center, Building 53
Denver, CO 80225
Mobile: (303) 562-6613

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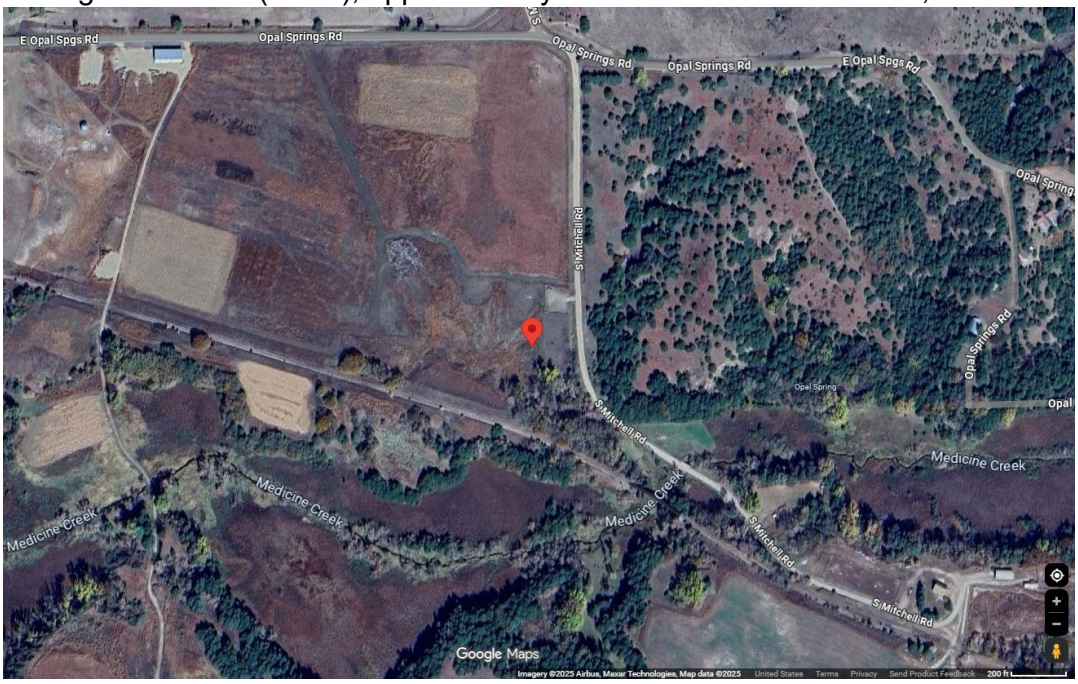
From:	Cooke, Samantha A
To:	"Joseph Reed"
Subject:	RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project
Date:	Friday, September 19, 2025 4:58:00 PM
Attachments:	image001.png image002.png image004.png image005.png image006.png image003.png

---

Hi Joseph,

The latitude is 40.74012778 and longitude is -100.6974833 within the Cedar Valley Wildlife Management Area (WMA), approximately 1.25 miles east of Wellfleet, Nebraska.



The red pin is the exact location, feel free to click here:
https://maps.app.goo.gl/6VibQsyXi6BfZxuv7

Please let me know if you have any additional questions.

Happy to help,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From: Joseph Reed <jreed@pawneenation.org>
Sent: Friday, September 12, 2025 12:07 PM
To: Cooke, Samantha A <samantha_cooke@fws.gov>

Subject: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

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I can't find this on a map. Is there an address or GPS coordinates more specific than Lincoln County, Nebraska?

Kukâkû'ut
Matt Reed
Tribal Historic Preservation Officer

Phone: (918) 762- 3621 ext 220
Email:jreed@pawneenation.org

881 Little Dee Drive
Pawnee, OK 74058

www.PawneeNation.org

From: Cooke, Samantha A <samantha_cooke@fws.gov>
Sent: Thursday, August 21, 2025 6:51 PM
To: Misty Nuttle <mnuttle@pawneenation.org>; Joseph Reed <jreed@pawneenation.org>
Cc: Riley, Clint <clint_riley@fws.gov>
Subject: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

Hello,
Please find the official consultation letter and corresponding project documents attached to this email. This consultation request pertains to a proposed Nebraska Game and Parks Commission shooting range development project located at the Cedar Valley Wildlife Management Area, in Lincoln County, Nebraska.

We appreciate any information you can provide. We thank you for your consideration and participation in this process.
If there are any further questions or concerns, please email or call me at any time.

Take care,
-Sam

From:	Cooke, Samantha A
To:	Leonard Wabasha (TO); Business Council (TO); CulturalResources
Cc:	Riley, Clint; Bill Rudnicki (TO)
Subject:	RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project
Date:	Friday, August 22, 2025 8:59:00 AM
Attachments:	image001.png image002.png

Thank you, Leonard. We appreciate your reply and interest in the progress of the project.

Take care,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From: Leonard Wabasha (TO) <leonard.wabasha@shakopeedakota.org>
Sent: Friday, August 22, 2025 6:10 AM
To: Cooke, Samantha A <samantha_cooke@fws.gov>; Business Council (TO) <Businesscouncil@shakopeedakota.org>; CulturalResources <CulturalResources@ShakopeeDakota.org>
Cc: Riley, Clint <clint_riley@fws.gov>; Bill Rudnicki (TO) <bill.rudnicki@shakopeedakota.org>
Subject: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

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Dear Samantha Cooke
Thank you for the opportunity to consult with you on this proposed project. The area in question is out of our direct area of concern. We will leave consultation to those Tribes closer to the project area, Please keep us informed of the progress of the project. Have a Great Day!

LEONARD WABASHA
Tribal Historic Preservation Officer • Hocokata Ti
Shakopee Mdewakanton Sioux Community
d: 952.496.6120
shakopeedakota.org
Leonard.Wabasha@shakopeedakota.org

The Shakopee Mdewakanton Sioux Community is a federally recognized,

sovereign Indian tribe located southwest of Minneapolis/St. Paul. With a focus on being a good neighbor, good steward of the earth, and good employer, the SMSC is committed to charitable donations, community partnerships, a healthy environment, and a strong economy.

From: Cooke, Samantha A <samantha_cooke@fws.gov>
Sent: Thursday, August 21, 2025 7:03 PM
To: Business Council (TO) <Businesscouncil@shakopeedakota.org>; Leonard Wabasha (TO) <leonard.wabasha@shakopeedakota.org>; CulturalResources <CulturalResources@ShakopeeDakota.org>
Cc: Riley, Clint <clint_riley@fws.gov>
Subject: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

You don't often get email from samantha_cooke@fws.gov. Learn why this is important

This message came from **outside the organization**. Do Not click on links, open attachments or respond unless you know the content is safe.

Hello,
Please find the official consultation letter and corresponding project documents attached to this email. This consultation request pertains to a proposed Nebraska Game and Parks Commission shooting range development project located at the Cedar Valley Wildlife Management Area, in Lincoln County, Nebraska.

We appreciate any information you can provide. We thank you for your consideration and participation in this process.
If there are any further questions or concerns, please email or call me at any time.

Take care,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
USFWS – Mountain Prairie Region (R6)
1 Denver Federal Center, Building 53
Denver, CO 80225
Mobile: (303) 562-6613

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The information contained in this message is confidential. If you are not the intended recipient, dissemination or copying of this

From:	Cooke, Samantha A
To:	"Max Bear"
Cc:	Riley, Clint; "Reggie Wassana"
Subject:	RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project
Date:	Friday, March 6, 2026 4:09:00 PM
Attachments:	Attachments to Tribal Letters.pdf image001.png

Hi Max,
I hope you are well. I wanted to loop back on the status of the Cedar Valley Rifle Range proposed project, located on the Cedar Valley Wildlife Management area near Wellfleet, Nebraska.
Nebraska Game and Parks Commission is wrapping up the draft Environmental Assessment (EA) with additional landscape/area history information being added to the document.

As mentioned in my previous email, tribal cultural specialists were not present during the Class III cultural survey which was conducted on 11-23-2020 (see attached). Did you or anyone from the Cheyenne and Arapaho Tribe have an interest in conducting a survey of the site? Our office is happy to provide a reimbursement of costs associated with the survey effort.

Please feel free to contact me at your convenience for any questions or additional information on this proposed project.
Thank you,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From: Cooke, Samantha A
Sent: Friday, January 30, 2026 7:03 AM
To: Max Bear <mbear@cheyenneandarapaho-nsn.gov>
Cc: Riley, Clint <Clint_Riley@fws.gov>; Reggie Wassana <rwassana@cheyenneandarapaho-nsn.gov>
Subject: RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

Hi Max,

Thank you for your patience. Nebraska Game and Parks Commission and the Service are continuing work on the draft EA and ensuring that comments received are considered during these early stages of project design. The EA has not yet been posted for public review, but we are hopeful it will be ready next month. I've shared your questions with the State Archaeologist, and those responses are provided below:

-Is there a class III cultural survey report, or has there been this type of survey conducted? Please advise and I would like to see a class III survey report or one must be conducted prior any ground disturbance.
A Class III cultural survey was conducted for the project area. This included a full pedestrian survey as well as subsurface testing using shovel and auger probes to identify any potential buried cultural materials. No archaeological sites were identified during surface inspection or subsurface testing; therefore, additional National Register of Historic Places (NRHP) evaluative testing was not required.

-What kind of survey did the archeologist conduct and where is the report? Were there tribal cultural specialists present on the survey? This report doesn't report much about the landscape or history of the land.
The attached documents include the complete survey report for this project. The Project Survey Summary form is a standardized format that has been used to meet Section 106 and other cultural resource compliance requirements. It provides an overview of the survey methods, project details, and findings. This format is commonly accepted for state-funded projects, including those for the Nebraska Department of Transportation and the Game and Parks Commission. For this project, tribal cultural specialists were not present during the survey.

Sorry for the delay on getting this response to you. We understand the importance of landscape and historical context and appreciate your feedback. If additional information, clarification, or any other steps would be helpful, I'm happy to work with you to address those concerns.

Thank you,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From:	Max Bear
To:	Cooke, Samantha A
Cc:	Riley, Clint; Reggie Wassana
Subject:	RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project
Date:	Friday, August 22, 2025 9:07:51 AM
Attachments:	image002.png

Good morning,

What kind of survey did the archeologist conduct and where is his report? Were there tribal cultural specialists present on the survey? This report doesn't report much about the landscape or history of the land.

Respectfully,
Max Bear
Cheyenne and Arapaho
Tribal Historic Preservation Officer
(405)422-7714 office
(405)443-9304 cell

From: Cooke, Samantha A <samantha_cooke@fws.gov>
Sent: Friday, August 22, 2025 9:55 AM
To: Max Bear <mbear@cheyenneandarapaho-nsn.gov>
Cc: Riley, Clint <clint_riley@fws.gov>; Reggie Wassana <rwassana@cheyenneandarapaho-nsn.gov>
Subject: RE: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

Hi Max,
The Cultural Survey report is provided as *Attachment 1* in the letter I sent yesterday. Please see page 5/12 of the PDF package which is the start of the Cultural Resource Survey Report, following the Site Plan Figure 2 (maybe zoom out so you can see the total contents of the PDF package I sent).

Please let me know if you need any additional information once you've reviewed the report. I've attached *Attachment 1* as a standalone document if this helps with your request.

Thank you,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
Phone: (303) 562-6613
samantha_cooke@fws.gov

From: Max Bear <mbear@cheyenneandarapaho-nsn.gov>

Sent: Friday, August 22, 2025 8:19 AM
To: Cooke, Samantha A <samantha_cooke@fws.gov>
Cc: Riley, Clint <clint_riley@fws.gov>; Reggie Wassana <rwassana@cheyenneandarapaho-nsn.gov>
Subject: [EXTERNAL] RE: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

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Good morning,

Is there a class III cultural survey report, or has there been this type of survey conducted? Please advise and I would like to see a class III survey report or one must be conducted prior any ground disturbance. Please feel free to contact me at your convenience for any questions or inquiries.

Respectfully,
Max Bear
Cheyenne and Arapaho
Tribal Historic Preservation Officer
(405)422-7714 office
(405)443-9304 cell

From: Cooke, Samantha A <samantha_cooke@fws.gov>
Sent: Thursday, August 21, 2025 6:39 PM
To: Reggie Wassana <rwassana@cheyenneandarapaho-nsn.gov>; Max Bear <mbear@cheyenneandarapaho-nsn.gov>
Cc: Riley, Clint <clint_riley@fws.gov>
Subject: Consultation Request from U.S. Fish and Wildlife Service and Nebraska Game and Parks Commission for Lincoln County, Nebraska Project

Hello,
Please find the official consultation letter and corresponding project documents attached to this email. This consultation request pertains to a proposed Nebraska Game and Parks Commission shooting range development project located at the Cedar Valley Wildlife Management Area, in Lincoln County, Nebraska.

We appreciate any information you can provide. We thank you for your consideration and participation in this process.
If there are any further questions or concerns, please email or call me at any time.

Take care,
-Sam

Samantha Cooke
Fish & Wildlife Biologist
USFWS – Mountain Prairie Region (R6)
1 Denver Federal Center, Building 53
Denver, CO 80225
Mobile: (303) 562-6613

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Swigart, John

From: Rawlinson, Jeff
Sent: Tuesday, December 8, 2020 10:32 AM
To: Swigart, John
Cc: Gerber, Tiffani
Subject: FW: Cedar Valley Rifle Range archeology survey
Attachments: Cedar Valley Rifle Range Archeology Report.pdf

John
Please accept this as the final historical review for a project proposed for the Cedar Valley WMA. Thanks
Jeff

From: Bozell, Rob <rob.bozell@nebraska.gov>
Sent: Friday, December 4, 2020 2:50 PM
To: Rawlinson, Jeff <jeff.rawlinson@nebraska.gov>
Cc: Gerber, Tiffani <tiffani.gerber@nebraska.gov>; Paitz, Katie <katie.paitz@nebraska.gov>
Subject: Cedar Valley Rifle Range archeology survey

Hi Jeff,

We completed the archeological survey of the referenced project and no archeological sites were found. You will need to submit the attached report to John Swigart at SHPO for review and when you do reference HP# 2009-078-01.

Thanks !

Rob Bozell
State Archeologist

History NEBRASKA

5050 North 32nd Street
Lincoln, Nebraska 68504
402-525-1624
rob.bozell@nebraska.gov | history.nebraska.gov

Preserving the Past. Building the Future

History NEBRASKA ARCHEOLOGY Nebraska State Historical Society

State Archeology Office

Project Survey Summary

Control Number: SHPO # 2009-078-01

Project Number: NA **Project Name:** Cedar Valley Rifle Range

County: Lincoln **Nearest Water:** Medicine Creek

Legal Description:

NE 1/4 NE 1/4 of Sec. 23 T9N R30W

APE Description (Add Maps):

The APE includes all areas that may see construction for the Cedar Valley Rifle Range (see attached map).

Maps Used: Project maps, Aerials, USGS 7.5 Curtis NW Topo map

Project Character (Attach Project Description):

Rifle Range Construction

Project Length/Area: 8.6 Acres

Survey Length/Area: 8.6 Acres

Detour? ☒ No ☐ Yes, without Constr. Activities ☐ Yes, w/ Constr. Activities

Date(s) of Archeological Survey: 11-23-20

Name(s) of Survey Personnel: Nolan Johnson, Talon O' Connor

Person-Hours of Fieldwork: 11

Ground Cover (%-Visibility)

Mowed weeds 25-75%, grass and trees 0-10%, erosional features and side slopes 50-95%

Survey Interval/Provisions:

Five to ten meter zig zag transects were used. Subsurface testing was also performed.

Rationale for Non-surveyed Areas:

The entire APE was surveyed.

Results of Survey:

☒ **No Archeological Resources Discovered**

☐ **Site(s) Discovered** Site Numbers:

☐ **Other** (explain)

Project Effect Determination for Archeology

☒ **No Historic Properties Affected:** ☒ None Present ☐ Present but Not Affected

☐ **No Adverse Effect**

☐ **Adverse Effect**

Are Further Archeological Investigations Warranted? ☐ Yes ☒ No

Is THPO Consultation Recommended by Sponsor Agency? ☐ Yes ☐ No **List Tribes:** Needs to be determined by lead federal agency.

Stipulations/Exceptions to Survey Results: Evaluate Buried Cultural Remains if Encountered.

Comments:

Prepared by: Nolan Johnson **Date:** 11-30-20

Subsurface Tests

Auger Test #	Depth (cm)	Diameter	Description (cm)	Artifact
1	55	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
2	40	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
3	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
4	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
5	42	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
6	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
7	52	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
8	43	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
9	47	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
10	44	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
11	60	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
12	63	4 inches	silt loam, loess, hard, lighter with depth, some CaCO2 at bottom	NO
13	104	4 inches	silt loam, loess, hard, softer and lighter with depth, some CaCO2 at bottom	NO
14	66	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
15	60	4 inches	silt loam, loess, hard, softer and lighter nearer surface than A13, some CaCO2 at bottom	NO
Shovel Test #	**Depth (cm)**	**Diameter (cm)**	**Description**	**Artifact**
1	38	35	very hard and dry, 0-27 cm 10YR 4/3 silt loam, 27-35 cm 10YR 6/3 silt loam	NO

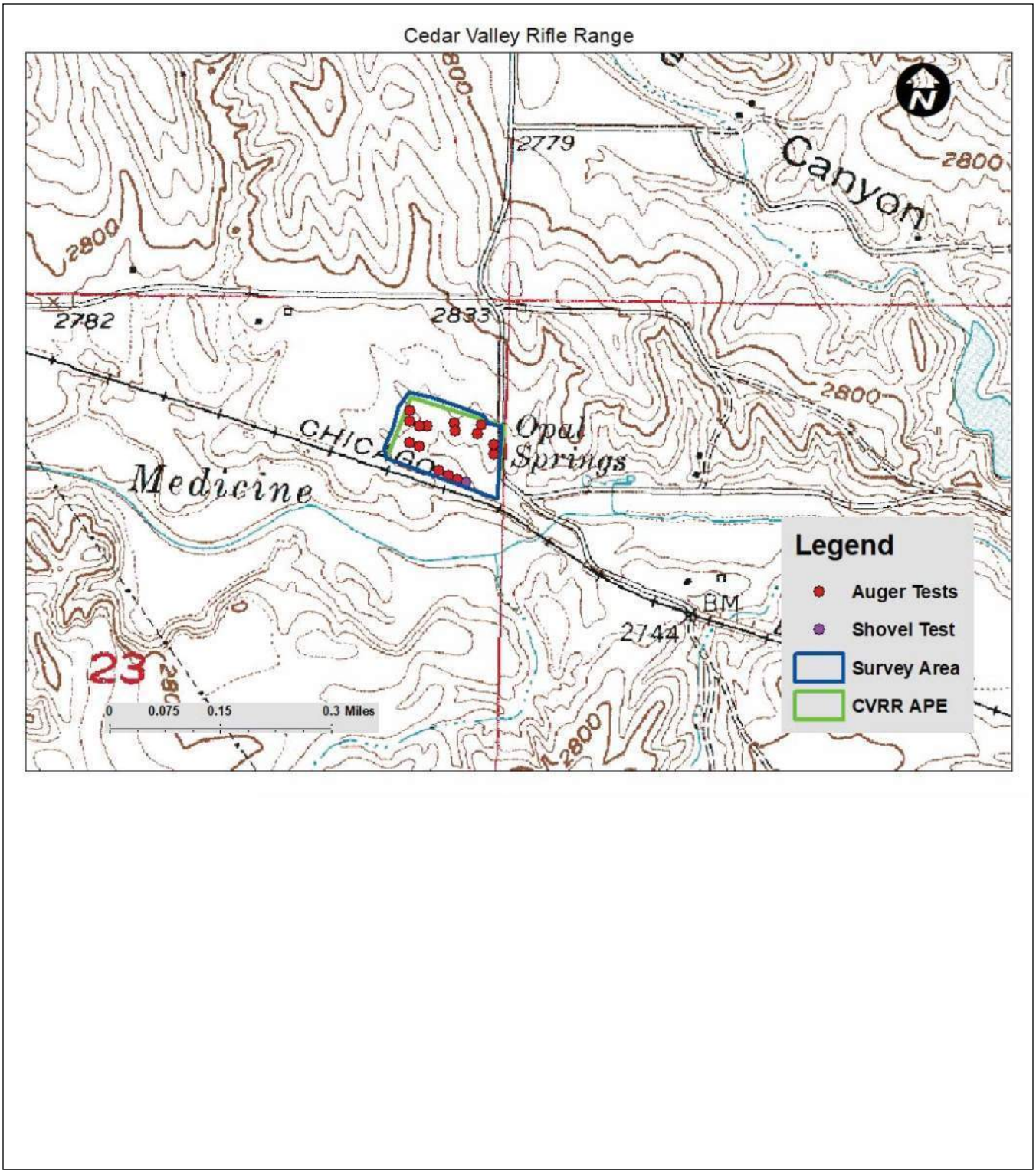
History NEBRASKA ARCHEOLOGY Nebraska State Historical Society

State Archeology Office

Project Survey Summary Map/Image Sheet

Control Number: SHPO # 2009-078-01

Project Number: Cedar Valley Rifle Range



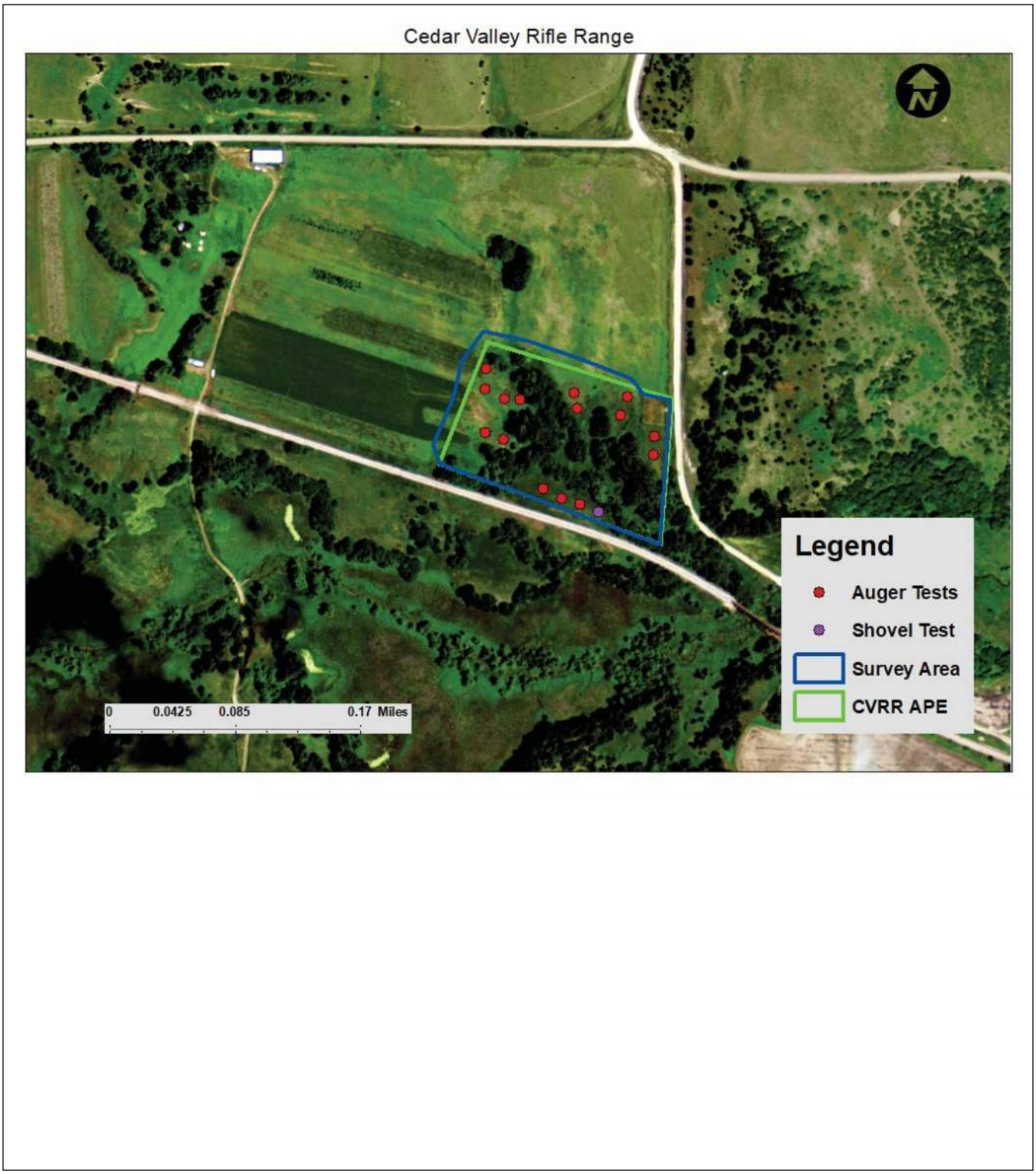
History NEBRASKA ARCHEOLOGY
Nebraska State Historical Society

State Archeology Office

Project Survey Summary Map/Image Sheet

Control Number: SHPO # 2009-078-01

Project Number: Cedar Valley Rifle Range



Keith Tillotson - M&A

From: cchistory@midstatesd.net
Sent: Thursday, December 7, 2023 8:56 AM
To: Keith Tillotson - M&A
Subject: Re: Environmental Review-Cedar Valley WMA Shooting Range

The Crow Creek Sioux Tribe THPO has defered the proposed Shooting Range project to the local NE tribes.

Merle Marks
Crow Creek Sioux Tribe
THPO - Director
605.245.2221

From: "Keith Tillotson, M&A" <ktillotson@miller-engineers.com>
To: cchistory@midstatesd.net
Sent: Wednesday, December 6, 2023 4:01:39 PM
Subject: Environmental Review-Cedar Valley WMA Shooting Range

I have attached a cover letter, detailed project description, location map and site drawing for the Tribe's review.

Keith Tillotson

Miller & Associates
CONSULTING ENGINEERS, P.C.
1111 Central Avenue | 308-234-6456 (p)
Kearney, NE 68847 | 308-234-1146 (f)

www.miller-engineers.com
ktillotson@miller-engineers.com

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Keith Tillotson - M&A

From: Teanna Limpy <teanna.limpy@cheyennenation.com>
Sent: Friday, January 5, 2024 5:09 PM
To: Keith Tillotson - M&A
Subject: RE: Environmental Review-Cedar Valley WMA Shooting Range

Mr. Tillotson:
I have reviewed the project information provided. Please send me a copy of the cultural survey results for further review.

Thank You,

Teanna Limpy, Director
Tribal Historic Preservation Office
Northern Cheyenne Tribe
14 E. Medicine Lodge Drive
PO Box 128
Lame Deer, MT. 59043
Office: 406-477-4838/8113
Direct: 406-477-4839
Work Cell: 406-740-0420

From: Keith Tillotson - M&A [mailto:ktillotson@miller-engineers.com]
Sent: Wednesday, December 06, 2023 3:10 PM
To: teanna.limpy@cheyennenation.com
Subject: Environmental Review-Cedar Valley WMA Shooting Range

I have attached a cover letter, detailed project description, location map and site drawing for the Tribe's review.

Keith Tillotson
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Pawnee Nation

Wednesday, December 13, 2023

Keith Tillotson
Environmental Technician
Miller and Associates
Consulting Engineers

RE: *Proposed Construction of a 100-yard Single Rifle Range and a 25-yard Pistol Range*
Nebraska Game and Parks Commission
M&A Project M160-P3-006
Wellfleet, Lincoln County, Nebraska

The Pawnee Nation Office of Historic Preservation has received the information and materials requested for our Section 106 Review and Consultation. Consultation with the Pawnee Nation is required by Section 106 of the National Historic Preservation Act of 1966 (NHPA) and 36 CFR Part 800.

Given the information provided, you are hereby notified that the proposed project/s should not adversely affect the cultural landscape of the Pawnee Nation.

However, be advised that additional undiscovered properties could be encountered, and they must immediately be reported to us under both the National Historic Preservation Act and the Native American Graves Protection and Repatriation Act regulations.

This information is provided to assist you in complying with 36 CFR Part 800 for Section 106 Consultation procedures. Should you have questions, please do not hesitate to contact me at jreed@pawneenation.org or by phone at 918-762-2180 ext. 220. Thank you for your time and consideration.

Sincerely,

Joseph M. Reed

Matt Reed
Historic Preservation Officer
Pawnee Nation of Oklahoma

Historic Preservation Office
Matt Reed
Phone: 918.762.2180
E-mail: jreed@pawneenation.org
P.O. Box 470
Pawnee, Oklahoma 74058

Tribal Historic Preservation

Cultural Resource Management Office

P.O. Box 750

Rosebud, South Dakota

Telephone: (605) 747-4255/Fax: (605) 747-4211

Email: ione.quigley@rst-nsn.gov

December 6, 2023

Keith Tillotson

Environmental Technician

1111Central Ave.

Kearney, Ne 68847-6833

RE: NGPC Cedar Valley WMA

Wellfleet, Ne

M&A Project No. M160-P3-006

Mr. Tillotson,

After reviewing your project, I will concur with the Nebraska State Historic Preservation Officer's determination of "No Historic Properties Affected-None Present".

However, my concern is the tree removal: I am hoping that the trees removed will be replaced with seedlings/saplings.

I am at 605-747-4255 or ione.quigley@rst-nsn.gov if there are any questions/concerns.

Thank you for your consideration.

Ione Quigley 12/6/2023

Ione Quigley, Director THPO Date

Keith Tillotson - M&A

From: Keith Tillotson - M&A
Sent: Friday, January 12, 2024 11:39 AM
To: 'Teanna Limpy'
Subject: RE: Environmental Review-Cedar Valley WMA Shooting Range
Attachments: 2009-078-01_survey_receivedHistorical Review.pdf; Cedar Valley Rifle Range Archeology Report.pdf; SHPO_ComplianceFormNeSHPO (003).docx

I've attached all of the project information in the file. Let me know if you have any questions.

Keith Tillotson

MILCO Environmental Services, Inc.
1111 Central Ave
Kearney, NE 68847
(308) 237-5923

www.milcoinc.com
ktillotson@milcoinc.com

From: Teanna Limpy <teanna.limpy@cheyennenation.com>
Sent: Friday, January 5, 2024 5:09 PM
To: Keith Tillotson - M&A <ktillotson@miller-engineers.com>
Subject: RE: Environmental Review-Cedar Valley WMA Shooting Range

Mr. Tillotson:
I have reviewed the project information provided. Please send me a copy of the cultural survey results for further review.

Thank You,

Teanna Limpy, Director
Tribal Historic Preservation Office
Northern Cheyenne Tribe
14 E. Medicine Lodge Drive
PO Box 128
Lame Deer, MT. 59043
Office: 406-477-4838/8113
Direct: 406-477-4839
Work Cell: 406-740-0420

From: Keith Tillotson - M&A [mailto:ktillotson@miller-engineers.com]
Sent: Wednesday, December 06, 2023 3:10 PM
To: teanna.limpy@cheyennenation.com
Subject: Environmental Review-Cedar Valley WMA Shooting Range

I have attached a cover letter, detailed project description, location map and site drawing for the Tribe's review.

Keith Tillotson

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Keith Tillotson - M&A

From: Rawlinson, Jeff <jeff.rawlinson@nebraska.gov>
Sent: Tuesday, January 23, 2024 10:30 AM
To: Keith Tillotson - M&A
Subject: RE: Cedar Valley WMA. Rosebud Sioux Response

I have addressed their concern.

From: Keith Tillotson - M&A <ktillotson@miller-engineers.com>
Sent: Tuesday, January 23, 2024 9:40 AM
To: Rawlinson, Jeff <jeff.rawlinson@nebraska.gov>
Subject: Cedar Valley WMA. Rosebud Sioux Response

> You don't often get email from ktillotson@miller-engineers.com. Learn why this is important

Here's something I overlooked. The Rosebud Sioux Tribe had a comment on tree removal. Would you address it? Thanks.

We're close to the finish line. I just need Scott Aden's plant and wildlife information, as well as a minor question for you. Do you know how many of the 7 rifle ranges were built after the BMPs were issued?

Keith Tillotson

MILCO Environmental Services, Inc.
1111 Central Ave
Kearney, NE 68847
(308) 237-5923

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ktillotson@milcoinc.com

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Appendix N

National Parks Service

Keith Tillotson - M&A

From: MWRO Compliance, NPS <MWRO_Compliance@nps.gov>
Sent: Friday, January 5, 2024 4:18 PM
To: Keith Tillotson - M&A
Subject: Re: [EXTERNAL] Attn: Nick Chevance Environmental Review-Cedar Valley WMA Shooting Range

Hi Keith Tillotson,

The National Park Service Midwest Regional Office (MWRO) has reviewed the correspondence concerning this project and has determined that it is not in the proximity of any National Park Service unit or related area.

For future correspondence, please see the following map (zoom in to project location) to determine if a project is near or could potentially impact access to a unit of the National Park System: Find a Park (U.S. National Park Service) (nps.gov).

A list of units and designated related areas of the National Park Service can be found here: National Park System Units and Related Areas (nps.gov)

The NPS also administers the National Natural Landmarks Program in coordination with other federal agencies and private entities. A map of these locations can be found here: National Natural Landmarks Directory (nps.gov)

Thank you for your assistance in helping to expedite the review and coordination process.

Regards,

MWRO Compliance Team
Midwest Region (Interior Regions 3/4/5)
mwro_compliance@nps.gov

From: Keith Tillotson - M&A <ktillotson@miller-engineers.com>
Sent: Wednesday, December 6, 2023 3:14 PM
To: MWRO Compliance, NPS <MWRO_Compliance@nps.gov>
Subject: [EXTERNAL] Attn: Nick Chevance Environmental Review-Cedar Valley WMA Shooting Range

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

I have attached a cover letter, detailed project description, location map and site drawing for Park Service's review.

Keith Tillotson

Miller & Associates
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Kearney, NE 68847 | 308-234-1146 (f)

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