# STATEMENT OF WORK

## 24-034 PERCOLATION AND GROUNDWATER TESTING FOR A SEPTIC SYSTEM DRAINFIELD AT WYOMING NATIONAL ELK REFUGE (NER)

### I. GENERAL PROJECT SCOPE

A. The contractor shall provide all material and labor required to perform percolation testing to determine soil data for an individual septic system design. Contractor shall perform groundwater monitoring at the site. The groundwater monitoring testing method shall be recommended by the contractor. The data collected will also be used for the individual septic system design. Period of Performance: August 1, 2026 – October 31, 2026.

It is recommended that the contractor review the project site prior to field work and testing. Access to the project site shall be coordinated with Sean Brophy sean_brophy@fws.gov

B. The contractor shall provide 3-ft below ground surface trench with excavation equipment. Additional 12 inches for percolation test holes shall be excavated by hand within the excavated trench. A minimum of 3 percolation tests shall be performed. The contractor shall meet minimum requirements set by Teton County.

C. The contractor shall also observe all soil profile pits and shall be extended 8 ft below ground surface.

D. A qualified Geotechnical Engineer shall log the profile pits.

E. The contractor shall provide groundwater monitoring from spring to summer. The testing method shall be recommended by the contractor.

F. Safety

1. The contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local regulations pertaining to the protection of workers, visitors to the site, and persons occupying areas adjacent to the site.

### II. BACKGROUND

A. The National Elk Refuge (NER) is located in Jackson, Wyoming, it is a vital sanctuary for one of North America's largest elk herds, spanning over 24,700 acres of diverse habitats.

B. Quarters No. 3 septic system was constructed in 1929 and has exceeded its design life and no longer functions properly. The system requires continued maintenance. A properly functioning sanitary waste system is necessary component of any government residence. This project shall provide the necessary soil data for a septic system drainfield design.

## III. QUALITY CONTROL/QUALITY ASSURANCE

QUALITY CONTROL: Tests and inspections not explicitly assigned to Government are the contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.

QUALITY ASSURANCE GENERAL: Qualifications paragraphs in this section establish the minimum qualification levels required; individual specification if any specify additional requirements.

PROFESSIONAL ENGINEER QUALIFICATIONS: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or products that are similar in material, design, and extent to those indicated for this Project.

TESTING AGENCY QUALIFICATIONS: An NRTL, and NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated and with additional qualifications specified if any, and where required by authorities having jurisdiction, that is acceptable to authorities.

1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.

NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.

## IV. MEANS AND METHODS

A. Means and methods of testing shall be such as the contractor's discretion; subject, however, to the Contracting Officer's Representative right to reject means and methods proposed which:

1. Constitute a hazard to the work, persons, or property.

2. Will not produce finished work according to the terms of the contract.

3. Are contrary to specified means or methods included in the contract.

B. The Contracting Officer's Representative approval of means and methods or failure to exercise right to reject means and methods shall not relieve the contractor of the obligation to complete the work required by the contract.

## V. DELIVERABLES, EVALUATION AND ACCEPTANCE

A. All deliverables shall be submitted electronically by email or an online file share program to the CO, COR/Project Manager, and the NER Contact. Submit all files in pdf format unless otherwise specified.
B. The NER Station and COR shall review all deliverables for acceptance and approval.

## VI. POINTS OF CONTACT

1. Sean Brophy, Deputy Refuge Manager (307) 203-0871
Email: sean_bropfy@fws.gov