PURPOSE

Provides a standard procedure for conducting exploratory excavations at Camp Stanley Storage Activity (CSSA).

APPLICABILITY

Information and data gained during exploratory excavations will be used in developing removal actions necessary for site closure activities. Exploratory excavations are not expected to generate waste or waste management activities.

RECORDKEEPING REQUIREMENTS

All activities related to an exploratory excavation, as described below, will be documented in the appropriate field log book.

PROCESS

Prior to excavating

1) If there is potential for encountering underground utilities, contact Chris Beal, (210) 336-1171, and begin filling out CSSA Utility Clearance & Digging Permit, see attachment.
2) The number of exploratory excavations performed at a site will be site specific, determined with input from the CSSA Task Manager prior to the effort.
3) Delineate the presumed trench/anomaly being investigated in the area proposed for exploratory excavation using GPS coordinates and identify the area with stakes/flagging as necessary.

During excavation

1) **Safety**
    - Perform all work in Level D personal protective equipment and under the health and safety protocol outlined in the *Health and Safety Plan*, December, 2010.
    - If the site has been identified as potentially containing munitions or explosives of concern (MEC), a unexploded ordnance (UXO) technician must present for potential UXO avoidance and identification. A site specific Explosive Site Safety (ESS) should be developed. The plan will be coordinated internally between the Safety Officer (Teresa Benavides, Gabriel Moreno-Fergusson, and the Parsons UXO Technician on site.)
    - Should any suspected UXO be found, Parsons personnel will leave the item in place and immediately contact Gabriel Moreno-Fergusson (210) 295-7543 or mobile at (210) 240-0146. If not reachable, John Ferguson (210) 295-7410 or Roland Abney (210) 295-7448/7472. Follow all applicable protocol outlined in the Activity Hazard Assessment on 'Unexploded Ordnance Investigation and Clearance' included in the *Health and Safety Plan*.

2) **Work Effort**

- If possible, segregate topsoil from the other excavated material and place back on the surface of the excavation during backfilling.
- An observer must be present at all times during equipment operation to visually identify any obstructions to excavation, and if necessary, alert the equipment operator.
- Do not perform exploratory excavation activities during rainfall events when rainfall collection is possible in the excavation area.
- At the completion of the effort, backfill the excavation with the excavated material and tamp to bring the site back to prior conditions.

3) **Sample Collection**

- Follow sample collection procedures and protocol outlined in the *CSSA Field Sampling and Analysis Plan*, February, 1996 and the CSSA *Base-wide Quality Assurance Project Plan, Version 1.0*, January, 2003. Coordinate samples to be collected during the effort with the Task Manager.
- At a minimum, samples will be collected for laboratory analysis from the bottom of the trench (labeled *site name – BOT#, i.e. B24-BOT1*) and one from each side wall (labeled *site name-SW#)*. If available, an x-ray fluorescence (XRF) analyzer may be used as a field screening tool for evaluating metals contamination in the soils (labeled *site name-XRF#*). The total number of samples to be collected will be based on the shape and size of the exploratory excavation, as coordinated with the Task Manager.
- Based on historical use of the site and coordination with the Task Manager, the appropriate analytical testing may include CSSA 9 metals, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), herbicides, pesticides, and/or explosives.

4) **Documentation**

- At minimum, document the following with photographs: pre-excavation site condition, excavated contents, post-excavation site condition.
- At minimum, document the following information in the site logbook: total dimensions of the excavation, including the total depth; materials present within the anomaly area; and general soil to foreign material ratio.
- If suspected UXO are encountered, document the type of UXO, location encountered, and final disposition of the item.

CONTACT

The Parsons CSSA Construction Manager, Kyle Caskey, (210) 204-8529, is the point of contact for this procedure.