

SECTION 01 35 13.22
ARCHAEOLOGICAL PROTECTION

PART 1 GENERAL

1.01 SUMMARY

- A. The work of this section consists of protecting archaeological resources contained on or in soil deposits.

1.02 DEFINITIONS

- A. Archaeological Resources: Archaeological resources are the physical manifestations of past human activity, including evidence of the effects of that activity on the environment. Archaeological resources represent both ancestral and historic time periods. They are found above and below ground in many locations within the Grand Canyon.
- B. Archaeologically Sensitive Areas: Areas that contain known archaeological resources that are eligible for inclusion of the National Register of Historic Places.
- C. Archaeological Monitor: Representative of the Government, and provided by the Government, designated to oversee construction activities that could disturb archaeological resources.
- D. Archaeological Resources Protection Act (ARPA) of 1979 (P.L. 96-95; 93 Stat. 712): defines archaeological resources as any material remains of past human life or activities that are of archaeological interest and at least 100 years old. Other laws, such as the National Historic Preservation Act, apply to archaeological properties that are 50 years old or older (however, exceptions may apply to properties younger than 50 years). When someone disturbs an archaeological site without a permit, they are violating the law whether the site and its artifacts end up being 100 years old.

1.03 SUBMITTALS

- A. Daily Work Schedule: Submit a Daily work Schedule detailing construction work in archaeologically sensitive areas. Submit to Contracting Officer 30 days before start of ground disturbing site work.

1.04 QUALITY ASSURANCE

- A. The Archaeological monitor will attend contractor's morning work briefing to be advised in changes to the daily work schedule. If no work briefing is held

the Cultural Resources Program Manager will be advised of the work activities for the day to advise the archaeological monitor(s).

PART 2 PRODUCTS

2.01 DAILY WORK SCHEDULE

- A. Daily Work Schedule is required for all work occurring within areas subjected to ground disturbance (trenching, potholing, etc.). Include all work that is to occur within the area and key the schedule to the Drawings to include the following:
 - 1. Starting and ending dates of ground-disturbing construction.
 - 2. Locations of temporary facilities, such as barriers, field offices, staging areas, sanitary facilities, borrow pits, and haul and access roads.
 - 3. Types of construction, such as clearing, topsoil stripping, trench excavation, landscaping, and post construction clean-up.
 - 4. Methods and equipment used for each type of construction.
 - 5. Plan for relocating work in the event of temporary work stoppages at each archaeologically sensitive area.

PART 3 EXECUTION

3.01 ARCHAEOLOGICAL PROTECTION

- A. Refer to the Drawings for location of known archeological sites that are in the vicinity of the Project. If known archaeological sites are present, they will require a 16 feet (5 meter) buffer. Fencing, flagging, or taping site boundaries will reflect that buffer. The NPS will flag, fence, or tape for Contractor avoidance.
- B. Contact NPS Cultural Resources Program Manager prior to ground disturbance.
- C. Archaeological monitoring of all ground disturbing activities is required unless environmental conditions, such as bedrock at the ground surface, indicate that monitoring is not warranted.
- D. Archeological monitoring of ground disturbing activities within existing South Rim WWTP fenced area is not required. This area is considered previously disturbed.
- E. The Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for the Treatment of Cultural Landscapes and Director's Order 28: Cultural Resources Management will be followed for this Project.

- F. If during construction, previously unknown archaeological resources are uncovered, the Contractor shall notify the Contracting Officer and a NPS cultural resource specialist will be contacted immediately. All work in the immediate vicinity of the discovery will be halted until the resources are identified and documented and an appropriate mitigation strategy developed in consultation with the State Historic Preservation Officer (SHPO) and associated American Indian tribes. Mitigation activities for site/resource discoveries must be implemented in full before construction activities can continue in the discovery area.
- G. No contract staff may enter or disturb any archaeological site, handle, or remove artifacts (including historic bottles, cans, arrow points, or other artifact types).
- H. If during work, a discovery of human remains is made, all work in the location of discovery must cease. If Archeological Monitor is not present for some reason, immediately phone contact with the Cultural Program Manager must be made, detailing the location of the discovery. An archaeologist will assess the discovery and will consult with the contractor to determine a new work location so that work can continue while cultural and tribal program staffs work through the processes established for such discoveries. No photographs or illustrations may be taken of any discoveries of human remains. All construction staff will be asked to leave the location of the discovery.
- I. Project-related activities must not occur within the boundaries of the Grand Canyon Railway Historic District. NPS will flag the Historic District boundary in the vicinity of the project area prior to construction.

3.02 OBSERVATION

- A. The NPS provided Archaeological Monitor will observe all ground-disturbing site work, including construction of temporary facilities, at all archaeologically sensitive areas, from a safe location mutually agreed on by Contractor and Monitor. As new ground is broken, Monitor will examine excavated materials, using construction layout centerline and perimeter staking as a reference point to record locations of findings.

3.03 DISCOVERY OF RESOURCES

- A. If Archaeological Monitor discovers resources, immediate relocation of the work to a nonsensitive area may be required.
- B. If resources are discovered while Archaeological Monitor is absent, stop work immediately and report the discovery to the Contracting Officer.

END OF SECTION

