

# DIVISION 02 - EXISTING CONDITIONS

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## **02 21 00 Surveys**

### **02 21 13 Site Surveys**

1. If the project requires a current boundary, topographic or utility survey, the A/E shall coordinate the procurement of this service with the Project Manager. Depending on the project and scope of the information needed, this service may be procured either directly by the Owner or by the A/E.
2. The survey shall be tied to a minimum of two University benchmarks and, upon completion be delivered to the University [Surveyor](#) as well as raw point file in PNEZD format (point #, northing, easting, elevation, description).
3. The design team shall geo-reference the South Carolina State Plane Coordinate System Single Zone 3900 and utilize North American Horizontal Datum (NAD83) and North American Vertical Datum 1988 (NAVD88).

### **02 21 13.23 Archeological and Historical Surveys**

1. Any project that will disturb any soil is required to perform a Cultural Resources Survey in accordance with [Section 106](#) of the [National Historic Preservation Act](#). This work must be performed following the guidance of the [SC Department of Archives and History](#).

## **02 26 00 Hazardous Materials Assessment**

1. Before any renovation or demolition, the facility or portion of the facility being renovated or demolished must have an environmental hazard assessment on file. This shall determine the presence of asbestos, lead, PCB's or any other materials that could be deemed hazardous to workers and/or the general public.
2. These inspections must be performed by a qualified person with all required training and licenses and follow the guidance given by Clemson's [Occupational and Environmental Safety Office](#) (OES) on their [Construction Sites Hazardous Materials/Wastes](#) page and in their [Asbestos Management Plan](#).

## **02 32 00 Geotechnical Investigation**

1. If the project requires a geotechnical survey or subsurface drilling, the A/E shall coordinate this service with the Project Manager and may be procured directly by the University or by the A/E as directed by contract documents or at the University's discretion if not otherwise specified.
2. Any subsurface investigation must include a utility location prior to any drilling or excavation. Both the Facilities [surveyor](#) and local commercial utility locating services PUPS (811) must be contacted prior to any subsurface investigation.



## **02 82 00 Asbestos Remediation**

1. All items conditioning containing asbestos shall be identified on plans and shall be disposed of following the [University's Asbestos Management Plan](#) from [OES](#).

## **02 83 00 Lead Remediation**

1. All items conditioning lead shall be identified on plans and shall be disposed of following the guidance for [Construction Sites Hazardous Materials/Wastes](#) from [OES](#).

## **02 84 00 Polychlorinate Biphenyl (PCB) Remediation**

1. All items conditioning PCB's shall be identified on plans and shall be disposed of following the guidance for [Construction Sites Hazardous Materials/Wastes](#) from [OES](#).

### **02 84 16 Fluorescent Lamp and Ballast Disposal**

1. Removal of fluorescent lamps and ballasts containing Mercury or PCB's shall be identified on project demolition plans and coordinated with Campus Recycling for intact bulbs and follow guidance for [Construction Sites Hazardous Materials/Wastes](#) from [OES](#) for broken bulbs.

