1. General
   a. This Directive will guide the Consultant in documenting the scope of abatement work and specifying its removal. Testing for asbestos should be done in conjunction with testing for lead, PCBs and other hazardous materials. Testing shall be initiated prior to submission of the Schematic Design, to allow for consideration in the Schematic Design Report of the construction cost and schedule implications of abatement.
   b. Add Section 13280 “Asbestos Abatement” (provided to the Consultant by the Coordinator prior to PreBid submission) to the Project Manual. All test reports should be referenced and bound at the end of Section 13280 to inform the contractor of the existing physical conditions and to allow them to include the cost of abatement in their bid.
   c. The asbestos designer should be familiar with this Directive and be involved with developing the detailed sampling program.
   d. In addition to field visits for sampling and testing, perform field visits by both the Consultant and the asbestos designer to review all potential work areas, chases, plenums, etc. and investigate them for presumed asbestos-containing material. Field visits shall occur prior to completing the initial sampling and testing program (prior to schematic) and prior to completion of Construction Documents, when the work areas not considered in previous field visits shall be reviewed and investigated.
   e. Prior to bidding, the scope of work shall be reviewed to ensure and confirm that testing and sampling was performed based on the actual work areas in the final contract documents. Perform additional sampling and testing as required to properly inform the contractor of the existing physical conditions.

2. Sampling and Testing
   a. Existing test results provided by the Campus and the Fund should be reviewed. These results may be found in the records of prior projects. Any or all prior test results shall not be considered complete or a substitute for project specific testing. All materials and/or areas suspected of containing asbestos and all "presumed asbestos-containing materials" defined in 24
CFR Part 1926, should be reviewed and confirmed with additional sampling and testing.

Special attention should be paid to investigating concealed spaces, shafts, chases, etc., that may be exposed during the work. Use the Fund’s Asbestos Checklist (bound after this section) to aid in these investigations. The Checklist identifies some of the locations where asbestos has been found on prior projects. The list is not all-inclusive. Its intent is to provide a historical reference to guide the Consultant in locating all the asbestos present.

When reviewing prior testing results, consider whether they remain valid for materials for which sampling and laboratory analysis standards have changed (e.g. cellulosic containing ceiling tiles, etc.) Perform additional sampling and testing as required to properly inform the contractor of the existing physical conditions.

b. If sampling and testing is impractical due to its impact on the current building use, then conservative, reasonable assumptions should be made about whether asbestos is present, what types of materials are likely to be encountered and what quantities of materials will be removed (i.e. provide specific quantities and descriptions of materials for the purposes of quantifying the work in the Contract Documents). Also, consider whether abatement may be required in additional areas as required to provide reasonable access to the work area for the workers, material and equipment (e.g. abate ACM along the access path to a work area when there is a reasonable risk that it could impacted during normal efforts to transport material along the access path).

c. Unless included in the lump sum fee or the Schedule B of the Consultant’s Agreement, sampling, testing, determining the location of asbestos and reporting, as described in this Directive, may be provided through extra compensation when approved by the Fund. All other work required by this Directive is part of the basic fee.

3. Drawings

a. The Drawings should show the specific scope of work, with measurable quantities of asbestos containing material. Runs, sizes of pipe, elbows and joints should be shown as far as practical, with schedules relied upon only when congestion of piping necessitates them. The use of schedules shall be at the discretion of the Fund. The extent of insulation, felts, mastic, tile or any other asbestos containing material, either confirmed or presumed, should be shown graphically.
b. The Drawings should not show details of critical barriers, DeCon Unit details or other construction that are required to perform the actual abatement, except where such work may impact adjacent campus operations, egress, etc. and where showing such details is a code requirement (i.e., show temporary partitions required by NFPA 241.) Where necessary, show preferred locations of the DeCon unit, barriers, etc. The drawings should contain a Contract Limit Line to show the full extent of the abatement area, as well as Phase Lines where abatement must be done in stages.

c. General notes should be limited to project specific information and not duplications of what is written in the specifications or the applicable rules and regulations.

d. Unless otherwise approved by the Fund, the Drawings shall be separate and not combined with other sheets such as demolition and removals.

e. There are minimum submission requirements for each applicable phase submission (See Directives 1A-1 through 1A-9 to find the specific submission requirements). Review each applicable phase Directive for guidance.

4. Specifications

a. Do not copy and paste Code Rule 56, 29 CFR Part 1926, and other applicable rules and regulations, into the specifications. Compliance with these is the responsibility of the Contractor, and shall be incorporated by reference only. The Consultant is responsible for any errors or omission when transcribing Code Rule 56 and other applicable rules and regulations, so it would be best to incorporate them by reference. See Section 13280 for specific instructions.

5. Checklist

See the SUCF Asbestos Testing and Sampling Checklist.

* * * * *