

## **PART THREE DOCUMENTS FOR GENERAL CONSTRUCTION**

### **DIVISION 02 – EXISTING CONDITIONS**

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#### **02 00 00. EXISTING CONDITIONS**

#### **02 30 00. SUBSURFACE INVESTIGATION**

- .1 ASSOCIATES RESPONSIBILITIES: The Associate shall direct and provide site or subsurface investigation judged necessary in accordance with the Associate's Agreement for professional services. This will include contacting Environmental Health and Safety within the Department of Physical Facilities for any university records of site hazards, investigative work and surveyor reports, testing laboratories (including test borings), soil analysis (including load bearing capabilities) and related site analysis. Submit two copies of any site investigative reports to the University Architect. Also see 33 40 00.
- .2 INFORMATION TO BE INCLUDED IN CONTRACT DOCUMENTS: Show all boring locations, cross sections and soil conditions. Also show all: existing conduits, drains, utility lines, sewers, tunnels, cables, trees, paving, walks, foundations and other objects or obstructions, whether in use or abandoned. State that information is for contractor's use and that in no way shall the University be held responsible for accuracy of the information.
- .3 PROTECTION OF EXISTING LANDSCAPING: Protect all trees, walks, and planted areas during subsurface investigations. All existing site elements shall be left in their original condition. See section 32 10 00 for minimum design standards for paved areas. Coordinate all work with the Office of Roads and Grounds and Physical Facilities.
- .4 PREPARATION OF PLANS FOR BORINGS: In the preparation of plans for boring locations, the Associate shall study plans of existing underground utilities and shall locate borings to avoid these utilities. Maps showing underground installations are available for review in the University Engineer's Office.

#### **02 40 00. DEMOLITION AND STRUCTURE MOVING**

- .1 STRUCTURE DEMOLITION: In open areas, foundations of structures shall be removed to a minimum of 3 feet below finish grade elevations. Where new structures will replace existing structures, indicate extent of foundation removal on the drawings. Existing slabs remaining under fill for new structures shall be broken to maximum size of 25 s.f. for any piece designated to remain to provide for drainage.

#### **02 44 00. EQUIPMENT MOVING**

- .1 RELOCATED EQUIPMENT: Special concern shall be taken with equipment relocated from existing installations for reinstallation. Establish schedule for removal and reinstallation through the University Architect's Office. Identify a single contractor to be solely responsible for removal, disposal, re-installation and follow-up. Relocation of existing equipment shall include:
  - .1.1 Disconnecting and moving to new location.
  - .1.2 Restoration and capping of utilities at the old location.
  - .1.3 Specify that the contractor record existing piping arrangements to facilitate reinstallation.

**02 44 00. EQUIPMENT MOVING (Cont'd)**

**.1 RELOCATED EQUIPMENT: (Cont'd)**

.1.4 The contractor shall be required to replace unsalvageable piping, ductwork, and wiring, and furnish any new piping, ductwork, and wiring as required to complete reinstallation, without additional cost to the University.

.1.5 The contractor is to provide a separate container for the recycling of paper, cardboard, and wood products.

**02 82 00. ASBESTOS REMEDIATION**

.1 ASBESTOS REMEDIATION: The University will assume the responsibility for asbestos removal, prior to the building renovation or remodeling. However, some asbestos may be encountered as the project proceeds toward completion. If asbestos is encountered, work must stop in the immediate area until it is safe to proceed.

.2 SPECIFICATIONS: When asbestos work is involved, specifications must require conformance to all pertinent provisions of Federal, State of Ohio, and Local laws, codes, rules and regulations for removal or control of asbestos. Those known to us at this writing are:

.2.1 U.S. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP); Asbestos: 40CFR (Code of Federal Regulations), Part 61, Subparts A and M).

.2.2 There are no regional NESHAP standards; there are air pollution control authorities in Ohio which have regional standards, but the University's main and branch campuses are not within any of these authorities' jurisdictions. The Ohio EPA has their own standards, currently under revision, which will be more stringent than NESHAP.

.2.3 U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Asbestos standards: 40 CFR Part 29, Section 1910.10001 (General Industry) and 1926.58 (Construction).

.2.4 U.S. EPA, "Guidance for Controlling Asbestos-Containing Materials in Buildings" (the "Purple Book").

.2.5 ANSI Practices for Respiratory Protection (ANSI Z88-2-1969) and OSHA Personal Protection Equipment Standard: 29 CFR 1910 Subpart 1.

.2.6 Notification for the main and Newark Campuses go to the Central District Office (P.O. Box 2198, 2305 Westbrooke Drive, Building C Columbus, OH 43266-2198); Lima, Mansfield and Marion campuses go to the North West District Office and OARDC to the North East District Office. With exception of the abatement work performed by Physical Facilities, the University holds the contractors responsible for making the notifications.

.2.7 U.S. EPA Comprehensive Environment Response, Compensation and Liability Act (CERCLA): 40 CFR 763.117 and .302.

.2.8 U.S. Department of Transportation: 49 CFR 171 and 172.

.2.9 Ohio EPA Asbestos Emission Control Rules: Ohio Administrative Code 3745-20.

.2.10 Ohio Department of Health Asbestos Hazard Abatement Rules: Ohio Revised Code Chapter 3710; and Ohio Administrative Code 3701.34.

**02 82 00. ASBESTOS REMEDIATION (Cont'd)**

**.2 SPECIFICATIONS: (Cont'd)**

- .2.11 Contractors or Subcontractors involved in asbestos work must be required to meet the following minimum requirements:
  - .2.11.1 Prospective asbestos abatement companies must meet the University's pre-qualification requirement prior to commencing their activities. The contractor of a successfully bid project must submit an asbestos abatement plan and have it approved prior to commencing the work.
  - .2.11.2 The contractor must have detailed written operating procedures describing techniques to be used.
  - .2.11.3 Previous experience on at least three projects of a similar nature and extent (such as pipe, ceiling, boiler insulation, etc.) must be documented.
  - .2.11.4 Knowledge of various control and removal techniques must be documented.
  - .2.11.5 Records must show contamination levels prior to, during and after asbestos work on projects. These records would show monitoring of air and of personnel.
  - .2.11.6 In all structures, whether partly occupied or not during asbestos removal, it is vital to maintain clearly identified routes of egress.

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END OF DIVISION 02 – EXISTING CONDITIONS