SECTION 02220D - EXCAVATING, BACKFILLING AND COMPACTION

A. SITE UTILITY IDENTIFICATION: Contractors must check with both the University Architect’s Office and The Registered Underground Utilities Protection Service (phone: 800-362-2764) to identify and locate all known utility lines in the construction area. Additionally they must comply with Section 153.64 of the Ohio Revised Code relative to underground utilities in relation to construction of public improvements.

B. COORDINATION OF DIVISIONS OF THE WORK: Projects typically must be bid as multiple prime with a separate combined bid. The Associate shall carefully coordinate bidding and Contract Documents to ensure that extent of each contract is clearly understood. Each contractor shall perform excavation, trenching, and backfill for their own installations. Materials and compaction shall meet the requirements stipulated in Division 2. Divisions 15 and 16 sections should refer to Division 2 for sitework requirements.

C. PAYMENT FOR LABORATORY SERVICES: All costs for tests and analyses performed shall be paid from Project Funds on an actual cost basis without fee mark-up. The testing laboratory shall be made responsible to the Associate. Written reports of field tests shall be submitted directly to the Associate, the Contractor and the University Project Manager.

D. SURPLUS MATERIALS: Verify with the University Project Manager whether or not there is a place on campus where topsoil or clean fill material may be dumped.

E. COMPACTION REQUIREMENTS: Specify that soils are to be compacted to the following minimum densities, as determined by Standard Proctor Test (ASTM D-698) within an optimum moisture content range for the soils.

93%
- Lawn, yard, planting beds and unpaved areas
- Trench and utility backfill away from paved areas

98%
- Zones within an area below an imaginary line drawn downward and outward at a 2 horizontal to 1 vertical slope from the outside edge of footings of buildings, walls, or edges of shoulders of paving and slabs on grade
- Backfill inside buildings, under slabs on grade, paving, pads, stairs, and similar items
- Trench and utility backfill under paving and within 10 feet of paved areas
- Backfill around manholes, drainage structures and underground structures

100%
- Top 12” of subgrade under roadways, drives, loading docks and paving primarily for vehicle traffic.

END