SECTION 01500D - TEMPORARY FACILITIES

A. Temporary Facilities

1. Temporary Services and Interruption of Utilities: Refer to General Conditions.
2. Existing trees indicated to remain shall be protected from construction damage. Construct wood fence barricades of 4” x 4” posts with 2” x 4” rails. Build barricades just beyond drip line of trees. Space posts at 8’-0” o.c. Mount rails at approximately 5’-0” above grade. Do not store materials within drip line of trees.
3. Temporary power, telephone, or other lines shall not be attached to trees.
4. Protection of Adjacent Property: Contractors shall protect adjacent property from damage or disturbance. Coordinate requirements with University Project Manager.
6. Temporary Construction Barricades: Construct temporary construction fencing and gates in accordance with that attached detail. Gates shall be fabricated from heavy duty chain link to permit visual security.
7. Contractors shall not locate diesel or other engines that emit exhaust near air intakes of buildings.

B. Construction Containment Controls

1. Contractor shall provide containment for construction and maintenance activities that have the potential to adversely impact any surrounding occupied indoor environment, general public, faculty, staff and students.
2. The construction of containment barriers equipped with room pressurization monitoring equipment is required along the boundary of the construction area to contain and control dust, odors, liquids and noise so as not to adversely affect the comfort, health, and safety of staff and visitors outside the boundaries of construction.
3. Provide containment controls continuously during construction activities.
4. References
a. The references listed below form a part of this specification when referenced.
   1. American Society of Heating, Refrigerating, and Air Conditioning Engineers, Inc.
   2. Occupational Safety and Health Administration Code of Federal Regulations
      a. 29 CFR 1926.59 Hazard Communication
      b. 29 CFR 1910.95 Occupational Noise Exposure
      c. 29 CFR 1910.146 Permit Required Confined Spaces
      d. 29 CFR 1910.1000 Air Contaminants
   3. American Conference of Governmental Industrial Hygienists
      a. Theshold Limit Values (TLVs) for Chemical Substances and Physical Agents

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b. Industrial Ventilation Manual of Recommended Practice.

5. Submittals
   a. Material Safety Data Sheets (MSDS) and technical bulletins must be submitted to the Construction Manager (CM)* to be kept on record and must be available to the Owner or CM upon request. Material Safety Data Sheets for all products used on the project shall be available for review prior to construction as required by 29 CFR 1926. The MSDS file shall be updated weekly by the Contractor and a copy of all MSDS’s shall be maintained on the job site. A written description of how the product is to be used and the quantities to be used shall accompany each MSDS.

   b. Contractor will clearly detail construction area boundaries and locations of construction containment barriers on shop drawings and will submit to owner and CM for review prior to start of work. Drawing must depict the construction area and location of barriers erected to prevent the entry of dust, vapors, mists or fumes or excessive noise levels into normally occupied building spaces above, below, or adjacent to the area affected by project activities.

   c. Contractor to submit to the CM a copy to the companies Safety and Health Program that must be kept on record and available upon request.

6. Equipment
   a. Provide exhaust fans to maintain a negative pressure within the construction areas. If the exhaust fans were previously used for asbestos abatement activities or other construction processes, the units must be inspected by the CM prior to use. If the CM finds the exhaust fans have not been thoroughly cleaned the contractor shall replace the fans immediately.

   b. Fire extinguishers (hand carried) are to be provided (portable UL rated, class “A” fire extinguishers for temporary offices and similar spaces).
      1. Comply with NFPA 10 and 241 for classification, extinguishing agent, and size required by location and class of fire exposure.

7. Ventilation of the Work Area
   a. Provide local exhaust ventilation to collect airborne contaminants at the source of generation inside the contained area and direct the contaminants into a suitable air-cleaning device or outside of the building to an acceptable location for discharge. If required, specify and provide HEPA type filtration system. System outlet ducting shall be directed away from building HVAC system inlets or other migration pathways into the building. Provide a minimum of 4 air changes per hour in the work area, regardless of negative pressure value.

   b. Negative pressurization of the work area may be maintained through the use of exhaust fans equipped with high-efficiency particulate arrestance (HEPA) filters.

END
* CM refered to means lead contractor.