

SECTION 01 56 00 - TEMPORARY BARRIERS AND ENCLOSURES

PART I - GENERAL

1.1 SUMMARY

- A. Use of Barriers and Enclosures: The Contractor shall furnish, erect and maintain temporary barriers, barricades, enclosures, and temporary construction fencing as required for the following:
 - 1. To protect the health and safety of occupants and the general public from exposure to immediate physical harm as well as to noise, dust, and fumes. Note that this Section does not provide minimum requirements related to Indoor Air Quality.
 - 2. To protect new and pre-existing adjacent construction from exposure to physical damage, dust, dirt, and water.
 - 3. To provide security of valuable property.
 - 4. To protect trees and plants.

1.2 RELATED DRAWINGS

- A. *Drawing 01 56 00-1, Tree Protection Fencing Requirements*

PART 2 - PRODUCTS

2.1 GENERAL FABRICATION

- A. Substantial Construction: Barriers and enclosures shall be of adequately substantial construction to serve their purpose without failure throughout the duration of their use. Materials may be new or used, suitable for the intended purpose, but shall not violate requirements of applicable codes and standards.
- B. Rigid Fencing: The general public, as well as adjacent lawns and plantings, shall be protected from harm by the installation of continuous, durable, rigid fencing at the limit lines of each construction area.
- C. Tree Protection: Existing trees that are adjacent to a construction site shall be protected from damage by the installation of durable, rigid 6 foot high fencing at the drip line of each tree.

PART 3 - EXECUTION

3.1 TEMPORARY BARRIER BASIC REQUIREMENTS

- A. Install facilities of a neat and reasonable uniform appearance, structurally adequate for required purposes.
- B. Install barriers and enclosures so as to not create new hazards such as tripping or protrusions that might be a source of safety concern to pedestrians or passers-by.
- C. When necessary due to placement of barriers, establish reasonable alternative access and traffic control for vehicles and pedestrians.
- D. When barriers are in the public right of way or on adjacent private property, obtain construction easements / licensing agreements / permits for the use prior to placement of the barriers.
- E. Maintain barriers during entire construction period.
- F. Relocate barriers as required by progress of construction.

3.2 SITE STAGING

- A. Install barriers in accordance with the Drawings.
- B. If there are any adjacent non-university properties licensed by the University for use during construction, insert all relevant terms here. Terms may include: associated reimbursement costs, description or layout of physical limits, timelines and notifications, and references to other sections on insurance. Recommend to insert reference note to this section on the site staging plan in the Drawings.

Note to PSC: The PSC shall consider site staging and logistics prior to 50%CD submission to provide the University adequate time for negotiating the use portions of adjacent properties.

- C. If any portion of a municipal or state right-of-way will be used or affected during construction operations, insert the requirements as prescribed by the right-of-way authority. Contact information and links to city or state websites are encouraged.

Note to PSC: The PSC shall consider site staging and logistics prior to 50%CD submission to provide the University adequate time to receive Champaign, Urbana, Savoy, or IDOT comments and requirements.

3.3 TREE AND PLANT PROTECTION REQUIREMENTS

- A. Preserve and protect existing trees and plants at site which are designed to remain, and those adjacent to site.
- B. Consult with the Owner for removal of agreed-on roots and branches which interfere with construction.
 - 1. Employ a qualified tree surgeon to remove, and to treat cuts.
- C. Provide temporary barriers to a height of six feet, around each, or around each group, of trees and plants. The barriers shall be placed at the drip line of each tree.
- D. Protect root zones of trees and plants:
 - 1. Do not allow vehicular traffic or parking.
 - 2. Do not store materials or products.
 - 3. Prevent dumping of refuse or chemically injurious materials or liquids.
 - 4. Prevent puddling or continuous running water.
- E. Carefully supervise excavating, grading and filling, and subsequent construction operations, to prevent damage.
- F. Replace, or suitably repair, trees and plants designated to remain which are damaged or destroyed due to construction operations. Any damage and any necessary replacements will be evaluated by F&S horticulturists.

3.4 REMOVAL

- A. Completely remove barricades, including foundations, when construction has progressed to the point that they are no longer needed, and when approved by the Owner.
- B. Clean and repair damage caused by installation, fill and grade areas of the site to required elevations and slopes, and clean the area.

END OF SECTION 01 56 00

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.