



## Division 02 Existing Conditions

### 02 05 00 Common Work Results for Existing Conditions

#### 02 05 10 General Requirements for Existing Conditions

1. The design for all UW Madison facilities shall comply with all of the provisions of the latest version of the Division of Facilities Development & Management (DFDM) *Guidelines for Asbestos Effected (sic) by Building Renovation and Demolition*, and *Guidelines for Lead (Pb) Bearing Surfaces in State Buildings* which are available from the DFDM website.
2. References within the DFDM Guidelines regarding the DFDM Project Manager shall apply to the UW-Madison Project Manager on UW-Madison Managed Projects.
3. Project Specifications shall use as their basis all appropriate sections of the latest edition of the DFDM Master Specifications.
4. Deviations from DFDM's Minimum Design Guidelines or the DFD Master Specification sections shall be made only upon approval from the UW-Madison Project Manager.
5. The Guidelines for Planning and Design of UW-Madison Facilities shall take precedence over DFDM Guidelines, but the A/E shall discuss all conflicts within the guidelines and specifications with the UW-Madison Project Manager.
6. The goals and guiding principles of the UW-Madison Campus Master Plan (latest edition) shall be considered and referenced as part of the planning, design, detailing, and material section for every project.
7. The A/E shall verify any information derived from building plans, as-built drawings, or other information obtained from the University.

#### 02 05 19 Geosynthetics for Existing Conditions

1. Geosynthetics, fabric weed barriers; Typar, etc. shall not be used in planting beds unless stone mulch is being used.
2. The use of polypropylene (plastic) weed barriers in any planting beds or landscape areas are prohibited. They restrict air and water transfer to the soil.
3. Geosynthetics are appropriate for use in controlling soil erosion on steep slopes and in providing silt fencing for erosion control.
4. Paving or stone mulch (less than  $\frac{3}{4}$  inch diameter) shall be placed a minimum of 2 feet directly adjacent to the building foundation to reduce maintenance issues and to enhance drainage away from the building. The material shall slope away from the building at  $\frac{1}{4}$  inch per foot.
5. Under no circumstances shall any type of geosynthetics be used around a tree. As the tree grows, the fabric girdles the tree trunk.



6. Silt fence and woven silt fabric shall be trenched into the soil, however under no circumstances shall it be trenched into soils within a tree's Critical Root Radius (CRR) and drip line. Silt socks shall be used as an alternative.
7. Under no circumstances shall silt fence, woven silt fabric, or non-woven fabrics be used as inlet protection. Monofilament, FF type fabric shall be used for inlet protection unless an inserted inlet basket is used.

## **02 20 00 Assessment**

### ***02 21 00 Surveys***

#### **02 21 13.23 Archeological and Historic Surveys**

All projects shall consult with UW-Madison Campus Planning & Landscape Architecture to determine if the project requires an archeological, historic, or cultural property review and/or survey. Any communication with the Wisconsin Historical Society shall be coordinated by UW-Madison Campus Planning & Landscape Architecture staff.

### ***02 24 00. Environmental Assessment***

1. Site shall be tested for contaminated soils or any other contamination. If contamination is found, proper remediation shall be included in project.
2. Site shall be evaluated for environmental sensitive areas. Any environmentally sensitive areas found shall be protected.
3. Refer to the Environmental Impact Statement or Environmental Impact Assessment for design restrictions and parameters.

## **02 40 00. Demolition and Structure Moving**

### ***02 41 00. Demolition***

#### **02 41 13. Selective Site Demolition**

1. All trees on the registered campus tree inventory shall be preserved and protected from any and all damage during construction unless approved for removal by Facilities Planning and Management landscape architecture staff and coordinated through the UW-Madison Project Manager as part of the scope of work.
2. Relocation of any trees and shrubs shall be coordinated with UW-Madison Facilities Planning and Management landscape architect and UW-Madison Grounds before 35 percent review and prior to the start of demolition and/or construction.
3. Grubbing: This term is defined by UW-Madison as the removal of all tree roots and stumps from site soils. Grubbing is required prior to excavation and preparation for footings. It is not required where stump grinding or a similar procedure may already prepare the ground for the installation of sod or similar material. The need for grubbing shall be reviewed and coordinated through the UW-Madison Project Manager.
4. Tree and Shrub Transplanting Guideline: Trees larger than 2 inch caliper shall not be considered for transplanting unless they are of superior quality and are a rare specimen on campus. Any request for transplanting a tree specimen shall be coordinated with UW-Madison Campus Planning & Landscape Architecture and UW-Madison Grounds.



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**02 41 16. Structure Demolition**

1. The complete foundation support for the building shall be removed to whatever depth the footings extend, with the exception of structural pilings. No foundation walls or fragments shall be left beneath the soil.
2. Removal of any extraneous structures, utilities, or materials such as foundations, rocks, roads, and road beds requires coordinated approval obtained through the UW-Madison Project Manager to excavate.

***02 42 00. Removal and Salvage of Construction Materials***

1. The Contractor is required to provide a complete recycling plan for materials removed during site demolition and construction debris during the construction phase.
2. Coordinate with UW-Madison Project Manager any building or site materials to be salvaged and returned to owner. Include in 35% plan review.
3. Existing site furnishings, including but not limited to all signs, benches, outdoor tables, bike racks, waste and recycling containers, ash urns, parking meters, public art, plaques, memorials, etc. shall be protected throughout construction. If they are to be removed per the construction documents, the contractor shall coordinate removal and salvage with the UW-Madison Project Manager. Items to be stored and reinstalled shall be clearly noted on the drawings and protected by the contractor until they are reinstalled. Bike racks and parking meters shall be removed by UW-Madison Transportation Services.
4. All site furnishings damaged during construction or while in storage shall be replaced by the contractor at contractor's expense.
5. All planters, rocks/boulders, benches, sculptures, plaques, or other memorials shall be protected from construction damage or loss by placing them in a secured area during construction. The protected site shall be set up to prevent repeated moving of these properties. Relocation to their final site and reinstallation shall be coordinated with the UW-Madison Project Manager and included in the 35 percent review plan set.