

SECTION 02 00 00

EXISTING CONDITIONS

02 00 00 GENERAL PROVISIONS

- 1.1 Sustainable Design
 - A. The University promotes energy efficient green design, construction and building operations.
 - B. Whenever possible, materials are to be selected and specified following University of Texas at Arlington's (UTA's) Sustainability Policy and the United States Green Building Council's LEED (Leadership in Energy and Environmental Design) Green Building Rating System®.
- 1.2 It is recognized that project conditions and requirements vary, and all items identified herein may not apply in all cases.

02 01 00 MAINTENANCE OF EXISTING CONDITIONS

- 1.1 Through UTA Project Manager, coordinate maintenance of site remediation, underground storage tank removal, facility remediation and/or hazardous waste drum handling with the UTA EH&S Department as required.
- 1.2 It is recognized that project conditions and requirements vary, and all items identified herein may not apply in all cases.

02 06 00 SCHEDULES FOR EXISTING CONDITIONS

- 1.1 Coordinate schedules for subsurface investigations, site remediation, underground storage tank removal, facility remediation and/or hazardous waste drum handling with the UTA EH&S Department, through the UTA Project Manager.

02 20 00 ASSESSMENT

02 21 00 SURVEYS

- 1.1 PSP must provide the UTA Project Manager with a drawing identifying the area to be surveyed, as well as type of survey and all information required. The survey will be initiated by the UTA Project Manager.
- 1.2 Confirm reference points (i.e., local benchmarks, State coordinates grid system, U.S. Geological Survey, etc.) with UTA Project Manager.

02 24 00 ENVIRONMENTAL ASSESSMENT

- 1.1 Coordinate Environmental Assessment requirements with the UTA EH&S Department, through the UTA Project Manager.

02 26 00 HAZARDOUS MATERIAL ASSESSMENT

- 1.1 Coordinate Hazardous Material Assessment requirements with the UTA EH&S Department, through the UTA Project Manager.

02 30 00 SUBSURFACE INVESTIGATION

02 32 00 GEOTECHNICAL INVESTIGATIONS

- 1.1 General
 - A. The Review any available existing information at or near the proposed construction site.
 - B. Obtain preliminary design information specific to the project including, but not limited to, layout, column or continuous loadings, loading types and conditions, etc.
 - C. PSP must identify locations and depths for geotechnical testing, and provide this information to the UTA Project Manager, who will coordinate the work.
 - D. Coordinate with the UTA Utilities group to determine any current or future underground obstructions.
 - E. Coordinate work with campus entities that might be affected by the work, including Environmental Health and Safety (EH&S), Parking & Traffic, the UTA Police Department, and others.
 - F. All spoils or liquid waste must be captured and contained at the project site. No runoff is permitted.
- 1.2 Geotechnical Report
 - A. Must be prepared and sealed by a registered geotechnical engineer with five (5) years of continuous

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- related work in the Austin, Texas area.
- B. All geotechnical work and recommendations must be supervised by a professional engineer registered in the State of Texas.
 - C. Number, depth and locations of borings are based on the proposed structure and the geotechnical engineer's requirements.
 - D. Minimum Report requirements:
 - 1. Background Information.
 - 2. Boring location plan.
 - 3. Generalized subsurface profiles, indicating stratigraphic and structural relationships.
 - 4. General foundation construction requirements, including loading capabilities and construction limitations. Also include pavement section recommendations for various traffic types.
 - 5. Groundwater conditions and anticipated effects on construction.
 - 6. 25, 100 and 500 year floodplains.
 - 7. Recommendations for earthwork, subgrade preparation, and fill placement and compaction.
 - 8. Acceptability of on-site materials for construction.
 - 9. Excavation procedures.
 - 10. Any other items that could affect construction or the long-term performance of the foundation.
 - E. As applicable to the specific project, the Report must provide information regarding lateral earth pressures, temporary construction procedures, dewatering procedures, subgrade drainage, trench safety, subgrade stabilization and piling, drilled shafts and sheet piling.
- 1.3 Miscellaneous requirements for inclusion in foundation design recommendations:
- A. Use polyethylene sheeting below all slabs on grade.
 - B. Use a foundation isolation system for structures that are subject to high plasticity soils.
 - C. Subgrade drainage system:
 - 1. Required at perimeter of all foundation elements that are occupied on one side and have exposed earth on the other side.
 - 2. Geotechnical engineer must recommend system design and elements.
 - 3. System may be required to drain into water-recovery system.

02 40 00 DEMOLITION AND STRUCTURE MOVING

02 41 00 DEMOLITION

- 1.1 Coordinate requirements with the EH&S Department and the UTA Sustainable Policy.
- 1.2 Reference Section 01 94 00 Facility Decommissioning.

02 42 00 REMOVAL AND SALVAGE OF CONSTRUCTION MATERIALS

- 1.1 Coordinate requirements with the UTA Sustainable Policy.
- 1.2 Examples of historic items are documented in A Catalog of Historic and Significant Campus Interiors, created and maintained by the UT Austin Project Management and Construction Services department. Coordinate with the UT Project Manager to maintain items that appear to represent historic value. The following list describes some, but not necessarily all such items:
 - A. Building cornerstone(s)
 - B. Time capsules
 - C. Built-in features, such as niches, lockers, etc.
 - D. Clocks
 - E. Decorative painting
 - F. Doors
 - G. Interior exposed brick
 - H. Fireplaces and mantels
 - I. Specialty flooring
 - J. Furniture
 - K. Grilles
 - L. Hardware
 - M. Light fixtures
 - N. Molding or trim
 - O. Paneling and/or shelving
 - P. Railings

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- Q. Signage and lettering
- R. Special finishes, such as murals, plaster, gold leaf, etc.
- S. Stained or leaded glass
- T. Special ceilings, such as vaulted, exposed beams, etc.

02 50 00 SITE REMEDIATION

- 1.1 Coordinate requirements with the UTA EH&S Department, through the UTA Project Manager.

02 60 00 CONTAMINATED SITE MATERIAL REMOVAL

- 1.1 Coordinate requirements with the UTA EH&S Department, through the UTA Project Manager.

02 80 00 FACILITY REMEDIATION

- 1.1 Coordinate all activities related to facility remediation with the UTA EH&S Department, through the UTA Project Manager.

END OF SECTION