

Coordinate use of the following exhibits:  
Exhibit 27 Automatic Sprinkler Systems-Contractor's Material and Test Certificate for Aboveground Piping, Exhibit 28 Automatic Sprinkler Systems-Contractor's Material and Test Certificate for Underground Piping, Exhibit 38 Refrigerant Recovery/Use Notification Form, and Exhibit 39 New Refrigerant Containing Equipment input form with this section

SECTION 01 41 00 REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.1 CODES, AGENCIES, AND REFERENCES

- A. The Work shall be performed in accordance with Applicable Code Requirements and applicable requirements of all other regulatory agencies, including, but not limited to, the following:
1. Americans with Disabilities Act - Title II.
  2. California Environmental Quality Act.
  3. California Health and Safety Code.
  4. National Fire Protection Association (NFPA).
  5. Federal Occupational Safety and Health Administration.
  6. Federal Environmental Protection Agency – Clean Air Act.

Coordinate item 7 with Section 01 57 01 Storm Water Pollution Prevention

7. Storm Water Pollution Prevention Act.
8. Local Air Quality Management District.

1.2 STANDARDS AND CODES

- A. Applicable laws, codes, rules, regulations, ordinances and standards
1. California Code of Regulations (CCR)
    - a. Title 8, Industrial Relations
    - b. Title 17, Public Health
    - c. Title 19, Public Safety
    - d. Title 20, Public Utilities and Energy
    - e. Title 21, Public Works
    - f. Title 22, Environmental Health
    - g. Title 24
      - 1) Part 2, California Building Code (2007)
      - 2) Part 3, California Electric Code (2001)
      - 3) Part 4, California Mechanical Code (2007)
      - 4) Part 5, California Plumbing Code (2007)
      - 5) Part 6, California Energy Code (2005)
      - 6) Part 7, California Elevator Safety Construction Code
      - 7) Part 9, California Fire Code (2007)
      - 8) Part 12, California State Reference Standards

1.3 REFERENCES

- A. Unless otherwise specified, specific references to codes, regulations, standards, manufacturers' instructions, or requirements of regulatory agencies, when used to specify requirements for materials or design elements, shall mean the latest edition of each in effect at the date of submission of bids, or the date of the Change Order or Field Order, as applicable.

1.4 CONFLICTS

- A. Unless otherwise directed by the University's Representative, if a conflict exists between referenced regulatory requirements and the Contract Documents, comply with the one establishing the more stringent requirements.
- B. Nothing stated in this Section of the Specifications or other Sections of the Specifications, the other Contract Documents or the Bidding Documents or shown on the Drawings shall be construed as

allowing Work that is not in strict compliance with all applicable Federal, State, regional, and local statutes, laws, regulations, rules, ordinances, codes and standards.

#### 1.5 TRENCHING AND SHORING

- A. All Work shall be in full accordance, but not necessarily limited to the following codes and regulations: Titles 8, 19, 21, 22, & 24, State of California, California Code of Regulations (CCR), California Occupational Safety and Health Administration (OSHA).
1. Pursuant to Labor Code 6707, the Contractor shall include in the bid all costs incident to the provisions of adequate sheeting, shoring, bracing or equivalent method for the protection of life or limb that shall conform to applicable Federal and State safety orders.
  2. Before beginning any excavation 5 feet or more in depth, the Contractor shall submit to the University's Representative a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation. The proposed plan shall comply with the standards established by the State of California Construction Safety Orders, Title 8 and Title 24 of the California Code of Regulations (CCR). If the detailed plan varies from such shoring system standards, it shall be prepared by a registered civil or structural engineer whose name and registration number shall be indicated on the Drawing. If a dispute arises as to whether the plan must be prepared by a registered civil or structural engineer, the University's Representative's determination of the matter shall be final and conclusive on the Contractor. The cost of required engineering services shall be borne by the Contractor and shall be deemed to have been included in the Contract Sum for the Work as stated in the Agreement.
  3. Neither the review nor approval of any plan showing the design of shoring, bracing, sloping, or other provisions for worker protection, shall relieve the Contractor from the obligation to comply with construction State of California Construction Safety Order and Title 24 of the California Code of Regulations (CCR) for the design and construction of such protective Work, and the Contractor shall indemnify the University and the University's Representative from any and all claims, liability, costs, actions and causes of action arising out of or related to the failure of such protective systems. The Contractor shall defend the University, its officers, employees and agents and the University's Representative in any litigation or proceeding brought with respect to the failure of such protective systems.
  4. All Work including any temporary construction shall be in full compliance with the latest orders of the Division of Industrial Safety of the State of California and all codes and regulations as called for hereinafter in these specifications.

#### 1.6 REGULATORY NOTIFICATIONS

- A. Submit all required notifications to Federal, State of California, State in which disposal facility is located if not in California, regional, and local agencies with regulatory responsibilities associated with the Work activities that are included in the Contract. All notifications shall be served in writing, in the form required by the agency requiring notification, and in a timely manner so as not to negatively impact the Project schedule. Serve notifications at least 10 business days in advance (or earlier if required by agency) of activity requiring notice. The Contractor shall serve all required notifications in writing to all governmental and quasi-government agencies having notification requirements pertaining to any portion of the Work included in the Project.
- B. Contractor shall file a Notice of Intent for coverage under State General Construction Activity Storm water Permit National Pollutant Discharge Eliminate System (NPDES). Contractor shall comply with applicable permit requirements including the project Storm Water Pollution Prevention Plan (prepared by the Contractor). Reference Section 01 57 01 Storm Water Pollution Prevention
- C. The University owns many buildings throughout the state of California. The Contractor is responsible for contacting the local jurisdictional authority for AQMD in the area of work. Submit a written plan of intention for demolition of any building, removal of a load-bearing structure or removal of large stationary equipment and pay associated fees to the local Air Quality Management District (AQMD) in which the Work is to be performed. Comply with notification requirements

established by the local AQMD. Notification shall be filed a minimum of 10 business days in advance of starting site work. Provide the University's Representative with a copy of all notifications a minimum of 7 business days in advance of starting site work.

1.7 PERMITS, NOTIFICATIONS, CERTIFICATES AND UNIFORM HAZARDOUS WASTE MANIFEST

A. Permits

1. Contractor will [not] be required to obtain a [City of Davis] [specify other locations as necessary] building permit.

B. Fire Department

1. Contractor shall be responsible for coordinating the following notifications and obtaining the following permit(s) and posting of permit(s) on Project site prior to starting the Work. Permits are to be obtained through the University's Representative. Contractor shall allow for a minimum turnaround time of 4 business days. For permits involving fire alarm shutdowns allow a minimum of 7 business days. Contractor must follow the rules and regulations as written on or attached to the permit.
    - a. Hazardous Condition Permit - Hot Work: must be coordinated before starting any hot work (welding, burning, or cutting, etc.) involving use of gas or electric welding equipment. The permit may be applicable to more than 1 building. Contractor is responsible for reporting to the UC Dispatch Center by telephone (530) 752-6317, at the beginning and 30 minutes prior to the end of each shift that such "hot" work takes place.
    - b. Hazardous Conditions Permit-Asbestos / Lead: must be obtained before starting removal of asbestos containing materials, polychlorinated biphenyl (PCB), lead base paint or other hazardous materials found on Project site.
    - c. Hazardous Condition Permit-Special Conditions: Coordinate in advance with the University Fire Department before restricting access to or blocking of any building exit or Work that will require the shutdown of building fire protection or alarm systems. In addition, Contractor must obtain a permit for the storage or use of any flammable liquid in excess of 10 gallons or in any confined area where vapors can be ignited. The Contractor is responsible for reporting to the UC Davis Fire Dispatch Center by telephone at (530) 752-6317 at the beginning and 30 minutes prior to the end of each shift that such work takes place.
    - d. The Contractor must submit at the end of the Work Automatic Sprinkler Systems-Contractor's Material and Test Certificate for Aboveground Piping and Automatic Sprinkler Systems-Contractor's Material and Test Certificate for Underground Piping for approval by the UCDFD. The Automatic Sprinkler underground and aboveground will not be accepted until these certificates have been completed and submitted.
  2. Project Permit Sign-Off Card -UCDFD: Prior to commencing Work, the University's Representative will provide Contractor with a Project Permit Sign-Off Card issued by the UCDFD. The Project Permit Sign-Off Card shall be kept at the project site at all times. Required inspections as noted on the Project Permit Sign-Off Card shall be coordinated a minimum of 7 business days in advance through the University's Representative. Project will not be accepted nor occupied until fire clearance is granted by UCDFD.
- C. Underground Service Alert (USA) Notifications: Prior to commencing clearing, excavation and trenching, coordinate with Underground Service Alert (USA North/1-800-227-2600 or 811), in accordance with Section 01 71 33 Protection of Adjacent Construction.
- D. Uniform Hazardous Waste Manifest: Contractor shall be responsible for coordination with the University's Representative for obtaining a Uniform Hazardous Waste Manifest prior to removal of asbestos containing materials, polychlorinated biphenyl (PCB), or other hazardous materials from the Project site. Manifest will be provided by a Representative from University of California Environmental Health & Safety (UCDEH&S). Only the UCDEH&S Duty Officer will be allowed to sign individual manifests on behalf of the Contractor/University.

Coordinate with Exhibit 38 Refrigerant Recovery/Use Notification Form and Exhibit 39 New Refrigerant Containing Equipment Input Form

- E. Refrigerant Recovery/Use Notification and New Refrigerant Containing Equipment Input Form:  
Prior to University's release of final payment, Contractor shall submit necessary UC-Davis Refrigerant Recovery/Use Notification Form(s) and UC Davis Refrigerant Containing Equipment Input Form(s) located in the Exhibits to the University's Representative. The following work practices and information is required:
1. All Work has been performed in compliance with Federal Environment Protection Agency, Clean Air Act.
  2. Only EPA certified technicians have added or recovered refrigerants while working on refrigerant containing equipment (EPA Section 608 – Refrigerant Recycling Rule, Technician Certification).
  3. All work performed on refrigerant containing equipment (RCE) shall be documented and submitted using the UC-Davis Refrigerant Recovery/Use Notification Form. A separate form shall be submitted for each (RCE) unit per Section 608, Clean Air Act, Refrigerant Recycling Rule. Contractor shall submit notification forms with project As-Built Documents.
  4. Storage, labeling and disposal of refrigerants shall comply with EPA.
  5. Decommissioned refrigerant containing equipment shall display a weather resistant label clearly noting the removal of all hazardous materials, e.g. refrigerant, coolant, used oil, or any other hazardous material removed from unit.
  6. Disposal of decommissioned refrigerant containing equipment shall comply with all Federal, State and local regulations.
  7. All new refrigerant containing equipment shall be registered using the UC Davis New Refrigerant Containing Equipment Input Form.
- F. In no event, shall the Contractor install materials that contain asbestos, PCB, lead or other known hazardous materials unless prior approval is obtained from the University.
- G. Regulated Carcinogens by Title 8 California Code of Regulations (CCR), Subchapter 7, Group 16 (Control of Hazardous Substances), Article 110 (Regulated Carcinogens).
1. Products containing chemicals regulated as carcinogens by the State of California are not allowed for use on University projects.
  2. Case-by-case exceptions may be considered for products containing the following Cal/OSHA recognized carcinogens:
    - a. Methylene Chloride, 5202
    - b. Cadmium, 1532, 5207
    - c. Inorganic Arsenic, 5214
    - d. Formaldehyde, 5217
    - e. Benzene, 5218
  3. Case-by-case exceptions may only be made when suitable alternative products are not available. Such exceptions are subject to written approval by the University's Representative.
  4. Exceptions require that the Contractor shall have an established carcinogen program as required by Cal/OSHA (§5203. Carcinogen Report of Use Requirements) and shall submit to University's Representative, a copy of the Cal/OSHA Confirmation of Report for Cal/OSHA carcinogens.
  5. When exceptions are granted, the Contractor is responsible for providing to the University's Representative a copy of the semi-annual Confirmation of Report received from Cal/OSHA or, in lieu of that, a copy of the Contractor's semi-annual report as submitted to Cal/OSHA at periods not to exceed 6 months, or at project closeout, whichever occurs first.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 01 41 00