# SECTION 01500

# TEMPORARY FACILITIES AND CONTROLS

## PART 1 - GENERAL

### 1.01 SUMMARY

A. Section includes:
1. Requirements for temporary services and facilities, including utilities, construction and support facilities, security and protection.
   a. Temporary utilities:
      i. Electricity
      ii. Telephone service
      iii. Water service
      iv. Sanitary Facilities
   b. Temporary Fire Protection:
      i. Welding, cutting and hot work operations
   c. Temporary construction and support facilities:
      i. Field offices and storage sheds
      ii. Vehicular access and Parking
      iii. Progress cleaning and waste removal
      iv. Temporary Facilities for Trustees Use
      v. Project identification
      vi. Traffic regulation
      vii. Access Routes
   d. Security and facilities protection:
      i. Barricades, warning signs, lights, fencing
      ii. Security
      iii. Environmental protection
      iv. Erosion and sediment control
      v. Water control
      vi. Dust control
      vii. Airborne Asbestos Fiber control
      viii. Smoke and odor control
      ix. Noise control
   e. Removal of utilities, facilities and controls

B. Related Specification Sections
1. Section 01010 - Summary of Work
2. Section 01330 – Submittals Procedures
3. Section 01320 – Electronic PM System-Prolog
4. Section 01 568 - Tree and Plant Protection
5. Section 01 541 - Security

### 1.02 SUBMITTALS

A. Refer to Section 01330 - Submittals Procedures.

B. Temporary Utilities: Submit reports of tests, inspections, applicable meter readings and similar procedures performed on temporary utilities.

C. Road Closures: Submit written request.

D. Environmental Protection Plan: Submit within 30 days of commencement in Notice to Proceed.

E. State Water Pollution Prevention Plan (SWPPP): Submit Notice of Intend to the Regional Water Quality Control Board (RWQCB) with copies to Trustees Representative and Campus Environmental Health and Safety.

F. Submit notification in writing to the San Diego County Air Pollution Control District (APCD) with a copy to the Trustees Representative, 14 days prior to the start of road construction.

G. Submit shop drawings of Project Signs.

1.03 QUALITY ASSURANCE

A. Regulations: Comply with industry standards and applicable laws and regulations of the authorities having jurisdiction, including, but not limited to:
1. Cal OSHA
2. Building Code requirements
3. Health and safety regulations
4. Utility company regulations
5. Police, Fire Department and Rescue Squad rules
6. Environmental protection regulations

B. Standards: Comply with California Fire Code (CFC), Chapter 33, "Firesafety During Construction, Alteration or Demolition of a Building, NFPA Code 241, “Building Construction and Demolition Operations,” ANSI-A10 Series standards for “Safety Requirements for Construction and Demolition,” and NECA Electrical Design Library, “Temporary Electrical Facilities.”
1. Refer to “Guidelines for Bid Conditions for Temporary Job Utilities and Services,” prepared jointly by AGC and ASC, for industry recommendations.
2. Electrical Service: Comply with NEMA, NECA and UL standards and regulations for temporary electric service. Install service in compliance with California Electric Code (CFPA 70).

C. Inspections: Arrange for authorities having jurisdiction to inspect and test temporary utility before use. Obtain required certifications and permits.

1.04 PROJECT CONDITIONS

A. Conditions of Use:
1. Keep temporary services and facilities clean and neat in appearance.
2. Operate in a safe and efficient manner.
3. Take necessary fire prevention measures.
4. Do not allow hazardous, dangerous, or unsanitary conditions, or public nuisances to develop or persist on the site.

1.05 TEMPORARY UTILITIES

A. General: Engage appropriate personnel to install temporary or connect to existing service.

B. Electricity:
1. Electricity may be taken from the University’s system.
   a. Exception: When electricity is not available, arrange and pay for portable power.
2. Provide electric meter and equipment, including connections and materials, and to extend the utility lines.
3. Coordinate installation with the Trustees Representative.

C. Telephone Service:

1. Request and pay for telephone/data and fax facilities available for the duration of contract where the Design Builder and its superintendent may be contacted.
2. Connect to and use University's phone system.
   a. Request and pay for phone/data installation through the Trustees Representative. Approximate costs are as follows:
      i. Tele/data lines to each trailer $1,000 each
      ii. Phone connection $ 85 each
      iii. Telephone instrument $ 350 each
   b. Pay for phone sets, connection, and use costs.
   c. Design Builder will be billed directly for actual Telecommunications charges.

D. Water Service:
1. Water may be taken from the University's systems in such quantities and at such times, as they are available.
2. Provide water meter and temporary materials to extend the utility lines.
3. Coordinate installation with the Trustees Representative.
4. Design Builder will be billed directly for water charges.

E. Sanitary Facility: Provide adjacent to field trailer.

1.06 TEMPORARY FIRE PROTECTION:

A. Welding, cutting and hot work operations:
1. Eliminate welding and burning of steel as much as possible. Where unavoidable, perform welding and burning with precaution to avoid fire hazard.
2. Hot Work Permit:
   a. Notify Trustees 2 days in advance and obtain permit from State Fire Marshal prior to conducting work involving open flame, sparks, heat or creating and ignition source such as by torch, arc, cutting, grinding, etc.
      i. Provide fire watch for 30 minutes minimum after burning stops.
      ii. Protect adjacent surfaces.
3. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.
4. Install and maintain temporary fire protection facilities to protect against reasonably predictable and controllable fire losses.
   a. Comply with NFPA 10 "Standard for Portable Fire Extinguishers," CCR Title 19, CFC Chapter 33 "Fire Safety During Construction, Alteration or Demolition of a Building" and NFPA 241 "Standard for Safeguarding Construction, Alterations and Demolition Operations."
   b. Locate fire extinguishers where convenient and effective for intended purpose.
5. Store combustible materials in containers in fire-safe locations.
6. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for fighting fires.
7. Prohibited: Smoking in fire hazard exposure areas.

1.07 TEMPORARY CONSTRUCTION AND SUPPORT FACILITIES:

A. Co-Located Field Office for Integrated Project Team:
   a. Provide sufficient co-located field office facility for Entire Project Team use including Design/Builder, Architect, Consulting Engineers, Subcontractors, Construction Manager as Agent, Inspector of Record. Field office shall be neat and substantial for co-located use by all participants (Lean Construction Big Room® Concept) and should include sufficient furnishings (desks, chairs, storage) and shared printing/scanning/copy and wifi support.
   b. Provide the number of voice/data outlets connected to Campus system as desired. The Design Builder and Trade contractors may connect to the campus internet to facilitate the use of the required web-based project management tools.

i. Use of the internet is governed by the rules and requirements of the University.

B. Vehicular Access and Parking:
1. The Design Builder, its employees, trade contractors, and material suppliers shall observe University traffic and parking regulations and shall park vehicles in areas designated by the Contract Documents.
2. Parking permits for passenger or work vehicles shall be required and are available for purchase at the Information Booth or the Parking Office.
   a. Parking outside and within the areas designated in the Contract Documents as Design Builder Designated Parking shall require a permit issued by the campus.
   b. A limited number of permits will be available for work trucks (trucks with tools, equipment, supplies) to park near project buildings or work area during project hours.
   c. These permits will be available at a cost of approximately $5.00 for each daily permit, $11 for each weekly permit, $44 for each monthly permit period (actual cost subject to change).

C. Progress cleaning and waste removal:
1. Solid Waste Management: Supply solid waste transfer containers. Daily remove debris such as spent air filters, oil cartridges, cans, bottles, combustibles and litter. Prevent trash and papers from blowing onto adjacent property. Personnel shall use refuse containers. Convey contents to a sanitary landfill.
2. Washing of concrete containers: Not allowed where wastewater may reach adjacent property, storm drains or natural watercourses. Comply with Paragraph 1.10.C. – Environmental Protection, and Paragraph 1.10.D. – Erosion and Sediment Control. Remove excess concrete to the sanitary landfill.
3. Chemical Waste and Hazardous Materials Management: Furnish containers for storage of spent chemicals used during construction operations. Dispose of chemicals and hazardous materials. Comply with regulations.
4. Garbage: Store garbage in covered containers; pick up daily and dispose of in a sanitary landfill.
5. Dispose of vegetation, weeds, rubble, and materials removed by the clearing, stripping and grubbing operations off site. Comply with regulations.
6. Rubbish: Materials classified as unsuitable, rubble, shrubbery, trees, timber, trash and garbage.
7. Cleanup and Storage during Construction:
   a. Keep public areas, adjacent to the Contract work limit, clean, safe and free of obstructions including Design Builder's tools, supplies and equipment.
   b. Maintain areas "broom clean" daily.
   c. Design Builder storage for materials or tools: Not supplied on University property outside the work limit.
   d. At completion of work, remove debris and surplus material, and dispose legally off campus.
8. Burning or open fires: Not allowed on University property

D. Project identification: Comply with Contract General Conditions, Section 4.24 – Project Sign, Advertising.

E. Traffic Regulation:
1. Aztec Circle Drive: No large or slow-moving vehicles between the hours of 7:30 a.m. and 8:30 a.m., Monday through Friday, when school is in session.
2. Restrictions*:*
   a. Construction traffic is restricted Aztec Circle Drive.
   b. Vertical clearance shall be verified when crossing beneath the College Avenue pedestrian footbridge.
   c. Observe all City of San Diego traffic requirements on College Avenue.

3. Public Streets:
   a. The Design Builder, as much as possible, shall time the construction activities so as not to interfere with peak hour traffic. In order to minimize the obstruction or through traffic lanes adjacent to the site, a flag-person shall be retained to maintain safety adjacent to existing roadways, if necessary.
4. Observe traffic laws.
5. Temporary traffic control and temporary traffic signs:
   a. Follow Caltrans guidelines and regulations.
6. Large equipment working in and around pedestrian areas shall require a spotter when backing up.
   a. Drivers of the equipment or back-up alarms are not considered "spotters."
   b. Large equipment includes, but is not limited to, backhoes, dump trucks, concrete trucks and delivery trucks.
7. Flag Persons: Provide trained and equipped flag persons to regulate traffic when construction operations or traffic encroach on public traffic lanes.
8. Flares and Lights: Use flares and lights during hours of low visibility to delineate traffic lanes and to guide traffic.

F. Access Routes:
1. Closure of a road, parking lot or building access:
   a. Obtain Trustees approval.
      i. Submit a written request for proposed road closures using the University's standard request form a minimum of twenty-one (21) calendar days prior to the proposed closure date.
      ii. Times and dates for such road closure shall be at the discretion of the Trustees.
   b. After Trustees approve:
      i. Signs:
         1) Post sign(s) in approved location(s) forty-eight (48) hours minimum prior to closure.
         2) Size: 18 inches x 24 inches minimum with lettering 2 inches high minimum.
         3) Material: Weatherproof.
   c. Closures shall be a part of the Design Builder's construction schedule.
   d. Road and building driveway accesses:
      i. 12 feet minimum width for one-way traffic.
      ii. 20 feet minimum width for two-way traffic
      iii. Exception: If complete closure has been approved by the Trustees.

WEB-BASED PROJECT MANAGEMENT

G. The University shall use a web-based project management tool (Prolog) for all construction communications and document flow. This is a collaborative tool for communications among the entire team (University, Design Builder, Trade contractors, Architect, Construction Manager, Inspector, etc.) and Design Builder's own software may not be used as a substitute.

H. The Design Builder and Trade contractors shall be required to utilize this tool and to furnish computer equipment capable to support the tool. Computers may connect to the internet through the Campus connection. Minimum system and software requirements are:
1. 3COM 10/100 ethernet
2. Windows 2000 Pro
3. Lotus Notes R5 w/ Collaboration
4. Scanner
5. Adobe Acrobat 5.0

I. The Design Builder shall furnish computers for Trade contractors' use at the jobsite trailer in the event Trade contractors are unable to furnish their own. The primary function of these computers

is to allow Trade contractors to read all pertinent communications, and submit RFIs and other communications to the Design Builder.

J. The Design Builder and major Trade contractors shall participate in two, half-day training classes in the use of the web-based project management tool to be held at the University. Training of additional users shall be coordinated with the University Project Manager. Cost to attend the training shall be borne by the attendees.

1.08 SECURITY AND FACILITIES PROTECTION

A. Barricades, Warning Signs and Lights, Fencing:
1. Comply with Caltrans standards and code requirements for erection of structurally adequate barricades.
2. Provide and remove barriers required to perform this work.
3. Provide barriers to prevent unauthorized entry to construction areas and to protect existing facilities and adjacent properties from damage from construction operations.
4. Provide barricades and covered walkways required by governing authorities for public rights-of-way.
5. Protect non-owned vehicular traffic, stored materials, site and structures from damage.
6. Paint with appropriate colors, graphics and warning signs to inform personnel and the public of the hazard being protected against.
7. Provide lighting, including flashing red or amber lights, and street signage for lane closures.

B. Security:
1. Enclosures:
a. Install substantial temporary enclosure of partially completed areas of construction.
b. Provide locking entrances to prevent unauthorized entrance, vandalism, theft and similar violations of security.
c. Protect concrete from vandalism. Graffiti shall not be allowed in the finished product. Replace vandalized areas. Make repairs from control joint to control joint, and doweled to existing concrete. Repair landscape areas used for setup to their prior condition including leveling, repairing irrigation and reseeding.
2. Storage:
a. Trustees Representative will designate areas for use.
b. Provide a secure lockup where materials and equipment must be stored, and are of value or attractive for theft.
c. Enforce discipline in connection with the installation and release of material to minimize the opportunity for theft and vandalism.
3. Comply with Section 01541 – Security.

C. Environmental Protection:
1. The requirements of this Article are in addition to those of Article 4.03 of the Contract General Conditions.
2. During the progress of the work, keep the premises occupied in a neat and clean condition and protect the environment both on site and off site, throughout and upon completion of the construction project.
3. Based on the requirements in the Contract Documents, develop a detailed Environmental Protection Plan and submit the plan to the Trustees for approval, within thirty (30) calendar days from the date of commencement specified in the Notice to Proceed. Based on comments by the Trustees, refine or modify plan until acceptable to the Trustees. When approved, distribute the approved plan to employees and trade contractors and their employees.
The Environmental Protection Plan shall include, but not be limited to, the following items:
a. Copies of required permits.

b. Proposed sanitary landfill site.
c. Other proposed disposal sites.
d. Noise Control.
e. Dust Control.
f. Erosion and Sediment Control.
g. Site Dewatering.
h. Copies of agreements with public or private landowners regarding equipment, materials storage, borrow sites, fill sites, or disposal sites. If execution of the agreement made by the Design Builder violates local or regional grading or land use regulations, it shall be invalid.
i. Limits of the site, easement restrictions, location of environmentally sensitive areas, location of Design Builder's trailer and location of access gates.

4. Operational Requirements: Comply with federal, state and local regulations pertaining to water, air, solid waste and noise pollution.
5. Definitions of Contaminants:
   a. Sediment: Soil and other debris that have been eroded and transported by runoff water.
   b. Solid waste: rubbish, debris, garbage and other discarded solid materials resulting from construction activities, including a variety of combustible and non-combustible wastes, such as ashes, waste materials that result from construction or maintenance and repair work, leaves and tree trimmings.
   c. Chemical waste: Includes petroleum products, bituminous materials, salts, acids, alkalis, herbicides, pesticides, disinfectants, organic chemicals and inorganic wastes. Some of the above may be classified as "hazardous."
   d. Sanitary wastes:
      i. Sewage: Domestic sanitary sewage.
      ii. Garbage: Refuse and scraps resulting from preparation, cooking, dispensing and consumption of food.
   e. Hazardous Materials:
      i. In the event the Design Builder encounters material reasonable believed to be asbestos, polychlorinated biphenyl (PCB), or other hazardous materials on the site, which have not been rendered harmless, immediately stop Work in the area affected and report the condition to the Trustees in writing.
      ii. The Work in the affected area shall not resume, except by written agreement of the Trustees and Design Builder, if in fact the material is asbestos, PCB, or other hazardous materials and has not been rendered harmless.
      iii. The Work in the affected area shall resume in the absence of asbestos, PCB, or other hazardous materials, or when the materials have been rendered harmless.
6. Protection of Natural Resources:
   a. General: It is intended that the natural resources within the project boundaries, and outside the limits of permanent work performed under this Contract, be preserved in their existing condition, or be restored to an equivalent or improved condition upon completion of the work. Confine construction activities to areas defined by the public roads, easements, and work area limits shown on the drawings. Return construction areas to their pre-construction elevations except where surface elevations are otherwise noted to be changed. Maintain natural drainage patterns. Conduct construction activities such that ponding of stagnant water conducive to mosquito breeding habitat shall not occur.
   b. Land Resources: do not remove, cut, deface, injure or destroy trees or shrubs outside the work area limits. Do not remove, deface, injure or destroy trees within the work area without permission from the Architect. If requested by Trustees, damaged trees and shrubs shall be removed and replaced by Design Builder.

i. Protection: Protect trees that are located near the limits of the Design Builder's work areas, which may possibly be defaced, bruised or injured, or otherwise damaged by the Design Builder's operations. No ropes, cables or guys shall be fastened to, or be attached to existing trees or shrubs for anchorages.

ii. Trimming: Refer to Section 01568-Tree and Plant Protection.

iii. Excavation around Trees: Refer to Section 01568-Tree and Plant Protection.

iv. Repair or Restoration: Repair or replace trees or landscape features scarred or damaged by equipment or construction operations. The repair and restoration plan shall be reviewed and approved by the Trustees and the Architect.

v. Temporary Construction: Remove signs of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, stockpiles of excess or waste materials, or other vestiges of construction as directed by the Trustees. Level temporary roads, parking areas and areas that have become compacted or shaped. Unpaved areas, where vehicles are operated, shall receive a suitable surface treatment, or shall be periodically wetted down to prevent construction operations from producing dust damage and nuisance to persons and property. Keep haul roads clear of objects that create an unsafe condition. Promptly remove contaminants or construction materials dropped from construction vehicles. Do not drop mud and debris from construction equipment on public streets. Sweep clean turning areas and pavement entrances as directed by the Trustees Representative.

c. Water Resources: Investigate and comply with applicable federal, state and local regulations concerning the discharge (directly or indirectly) of pollutants to the underground and natural waters. Perform work under this Contract in such a manner that adverse environmental impacts are reduced to a level that is acceptable to the Trustees, Architect and regulatory agencies. Excess site material, mud, debris, etc. washed off roads, site and equipment shall not impact watercourses.

i. Oily Substances: Take special measures to prevent oily or hazardous substances from entering the ground, drainage areas or local bodies of water, and that would affect normal use or aesthetics, or produce a measurable impact on the areas. Dispose of soil or water, which is contaminated with oily substances due to the Design Builder's operations. Comply with applicable regulations.

D. Erosion and Sediment Control (less than one (1) acre)

1. Discharge construction runoff into small drainage areas at frequent intervals to avoid build-up of large potentially erosive flows.
2. Prevent runoff from flowing over unprotected (lack vegetation) slopes.
3. Keep disturbed areas to the minimum necessary for construction.
4. Keep runoff away from disturbed areas during construction.
5. Direct flows over vegetated areas prior to discharge into public storm drainage systems.
6. Trap sediment before it leaves the site, using such techniques as check dams, sediment ponds, silt fences and straw bale barriers.
7. Protect all storm drain inlets to reduce sediment from storm water runoff discharging from the construction site.
8. Remove and dispose of project construction-generated silt that leaves the site.
9. Stabilized disturbed areas as quickly as possible.
10. Remove mud from tires of earth moving trucks and equipment before traversing streets outside the construction area.

E. Water Control

1. Protect existing structure and finishes from water damage during construction.

F. Dust Control
1. These requirements are in addition to Article 4.03 of Part B – Contract General Conditions.
2. Appoint a monitor to oversee and implement dust control measures.
3. Employ measures to avoid the creation of dust and air pollution, and to maintain continuous dust control resulting from construction operations.
4. Execute Work using methods to minimize raising dust from construction operations, to provide positive means to prevent air borne dust from dispersing into atmosphere, and to prevent visible emissions from crossing the project boundaries.
5. Speed of Construction Vehicles: 15 miles per hour maximum.
   a. Exception: If road surface and surrounding area is sufficiently stabilized to prevent vehicles and equipment from emitting dust that is visible crossing the project boundaries.
6. Prior to Ground Disturbance:
   a. Water down the project site.
7. During construction:
   a. During grading activities, any exposed soil areas shall be watered twice per day. On windy days or when fugitive dust can be observed leaving the project site, additional applications of water shall be applied to maintain a minimum 12 percent moisture content. Under windy conditions where velocities are forecast to exceed 25 miles per hour, all ground disturbing activities shall be halted until windows are forecast to abate below this threshold.
   b. If, in the opinion of the Trustees, dust particles are leaving the site or nuisance complaints are received, immediately take action to stop dust.
      i. Suspend grading operations, or water the exposed areas when wind conditions create considerable dust, such that a nuisance would generate complaints.
   c. Unpaved Areas not subject to vehicle traffic:
      i. Wet down twice a day minimum.
      ii. When wind velocity exceeds 15 mph, wet down site more frequently.
   d. Unpaved Areas subject to vehicle traffic:
      i. Wet down, treat with a chemical dust suppressant.
   e. Storage Piles:
      i. Wet down, treat with a chemical dust suppressant.
      ii. All material stockpiles subject to erosion during construction activities that will not be utilized within three days, shall be covered with plastic, an alternative cover deemed equivalent to plastic, or sprayed with a nontoxic chemical stabilizer.
   f. Equipment:
      i. Wash down before moving from the project site onto a paved road.
   g. Tracking on Paved Roads:
      i. Conduct operations to prevent visible track-out onto paved roadways open to the public.
         1) If track-out occurs, clean using wet sweeping or a HEPA vacuum within 24 hours maximum.
   h. Public Streets:
      i. Where vehicles leave the construction site and enter adjacent public streets, the streets shall be swept daily or washed down at the end of the work day to remove soil tracked onto the paved surface. Any visible track out extending more than fifty (50) fee from the access point shall be swept or washed within thirty minutes (30) of deposition.
   i. Cover trucks hauling soil, debris, sand or loose materials.
   j. Exposed areas, new driveways and sidewalks:
      i. Seed, treat with soil binders, or pave as soon as site conditions allow.

ii. If the Trustees determine that seeding is necessary to keep dust particles from leaving the site or to control erosion, immediately seed and water as directed by the Trustees.

iii. Portions of the construction site to remain inactive longer than a period of three months shall be seeded and watered until grass cover is grown or otherwise stabilized.

G. Smoke and Odor Control

1. Protect primary fresh air intakes to existing and occupied buildings from exhaust from internal combustion engines, paint and solvent fumes and other noxious fumes and vapors.
2. Implement control methods, such as snorkels from engine exhausts, to maintain 50 feet minimum away from air intakes.
3. Activities generating fumes shall be limited to a distance of 50 feet minimum from the air intake grilles.
4. If fume generating procedures occurs within 50 feet of an air intake:
   a. Notify the Trustees Representative seven (7) calendar days minimum in advance.
   b. Complete the work when it least impacts the University (evenings, weekends, or particularly windy days).
   c. Provide carbon filter media, plastic barriers, or other control methods to assure only fresh air enters the building ventilation system.
5. Store volatile liquids, including fuels or solvents in closed containers.
6. Do not burn debris, lumber or other scrap.
7. Open Flame Work: Notify the Trustees in writing and obtain a fire permit from the State Fire Marshal.
8. Properly maintain equipment to reduce gaseous pollutant emissions.

H. Noise Control

1. These requirements are in addition to Article 4.03 of the Contract General Conditions.
2. Maximum noise levels within 1,000 feet of classroom, laboratory, residence, business, adjacent buildings, or other populated area for:
   a. Trenchers, pavers, graders and trucks: 90 dBA maximum at 50 feet as measured under the noisiest operating conditions.
   b. Other equipment: 85 dBA at 50 feet as measured under the noisiest operating conditions.
3. Equipment:
   a. Jackhammers: Equip with exhaust mufflers and steel muffling sleeves.
   b. Air compressors: Quiet type such as a “whisperized” compressor. Keep hoods closed while equipment is in operation.
   c. Portable Noise barriers: Provide around jack hammering construction; 3/4-inch plywood lined with 1-inch thick fiberglass on the work side.
4. Operations:
   a. Keep noisy equipment as far as possible from noise-sensitive site boundaries.
   b. Do not leave machines idling.
   c. Use electric power in lieu of internal combustion engine power wherever possible.
   d. Maintain equipment properly to reduce noise from excessive vibration, faulty mufflers, or other sources.
   e. Engines shall have properly functioning mufflers.
5. Scheduling:
   a. Schedule noisy operations to minimize their duration, and disruption to the adjoining users.
   b. Notify the Trustees Representative of seven (7) calendar days minimum in advance of performing work creating unusual noise.
   c. Schedule work at mutually agreeable times.
6. Do not play radios, tape recorders, televisions, and similar items at construction site.

7. When work occurs in or near occupied buildings, keep noise associated with construction activities to a minimum. Noisy operations that may disrupt academic or residential activities shall be scheduled after normal work hours.
8. All noisy work within the area of residence halls and other campus residences shall be restricted between the hours of 10:00 am to 10:00 pm seven (7) days per week, throughout the year. No work will be allowed in residence halls on campus residences during finals week.
9. Trustees reserves the right to stop construction work, including but not limited to noisy work, during the following events: Commencement, Open House, Finals Week, residence hall move-in, Week-of-Welcome, or at other times that may be identified by the Trustees. Trustees reserves the right to stop noisy work when said work disrupts classes or residential areas.

1.09 TERMINATION AND REMOVAL:

A. Unless the Trustees requires that it be maintained longer, remove each temporary facility when the need has ended, or when replaced by authorized use of a permanent facility, or by Completion.

B. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with the temporary facility.

C. Repair damaged Work, clean exposed surfaces and replace construction that cannot be satisfactorily repaired.

D. At Completion, clean and renovate permanent facilities that have been used during the construction period.

## PART 2 - PRODUCTS

2.01 MATERIALS

A. Provide new materials.
   1. Exception: If approved by the Trustees Representative, undamaged previously used materials in serviceable condition may be used.

B. Provide materials suitable for intended use. Do not create unsafe conditions or violate requirements of applicable codes and standards.

2.02 EQUIPMENT

A. Provide new equipment.
   1. If approved by the Trustees, undamaged, previously used equipment in serviceable condition.
   2. Provide equipment suitable for intended use.

B. First Aid Supplies: Comply with governing regulations.

C. Fire Extinguishers:
   1. Temporary offices and similar spaces: Provide hand-carried, portable UL-rated, class “A” fire extinguishers.
   2. In other locations: Provide hand-carried, portable, UL-rated, class “ABC” dry chemical extinguishers, or a combination of extinguishers of NFPA recommended classes for the exposures.
   3. Comply with NFPA 10 and 241 for classification, extinguishing agent and size required by location and class of fire exposure.

2.03 PROTECTION OF INSTALLED WORK

A. Protect installed work and provide special protection where specified in individual specification Sections.

B. Provide temporary and removable protection for installed products. Control activity in immediate work area to minimize damage.

C. Protect new, uninstalled items.

2.04 PROGRESS CLEANING

A. Cleanup and Storage During Construction:
1. Keep public areas adjacent to the contract work limit clean, safe and free of obstructions including Design Builder's tools, supplied and equipment. Maintain "broom clean" daily.
2. No Design Builder storage for materials or tools will be supplied on campus outside the work limit.
3. At completion of work, remove debris and surplus material and legally dispose of it off campus.
4. Provide refuse containers.
a. Prohibited: Use of University dumpsters.

B. Demolition: Remove trash or debris as it accumulates and legally dispose of it off campus.

2.05 PROJECT SIGNS

A. Identification signs are not allowed in the areas of work.
1. Exception: Those required by law.

B. A small (4 feet x 8 feet maximum) sign may be allowed at the Design Builder trailer, noting the Design Builder, the project name, the Architect, and trade contractors.
1. Submit shop drawing of sign per Section 01300 – Submittals.
a. Provide sample sign and logos to be used including colors.

2.06 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Remove temporary above grade or buried utilities, equipment, facilities, materials, prior to final application for payment inspections.

B. Clean and repair damage caused by installation or use of temporary work.

C. Restore existing facilities used during construction to original condition.

D. Restore permanent facilities used during construction to specified condition.

PART 3 - EXECUTION – NOT USED.

END OF SECTION