# SECTION 01570

# TEMPORARY CONTROLS

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

A. Construction Drawings, Technical Specifications, Addenda, and general provisions of the Contract, including Contract General Conditions and Supplementary General Conditions and other Division 1 Specification Sections, apply to this Section.

### 1.2 SECTION INCLUDES

A. Protection of existing conditions, including video record of existing conditions.

B. Life safety and fire protection.

C. Security.

D. Runoff control.

E. Protection of installed Work.

### 1.3 RELATED SECTIONS

A. Section 01010 - Summary of the Work: Contractor's use of site and premises.

B. Section 01500 - Temporary Facilities and Controls: Field offices and sheds.

C. Section 01540 - Construction Aids: Temporary lifts and hoists; temporary stairs and scaffolding.

D. Section 01550 - Vehicular Access and Parking: Vehicle access and parking control at Work areas.

E. Section 01560 - Temporary Barriers and Enclosures: Requirements for dust and debris barriers.

### 1.4 CODES AND REGULATIONS

A. Fire Regulations: Comply with requirements of fire authorities having jurisdiction, including California Fire Code (CFC) Chapter 33 during performance of the Work.

B. Safety Regulations: Contractor shall be solely responsible for jobsite safety. Minimum requirements shall include the following.
   1. Comply with requirements of all applicable Federal, State and local safety rules and regulations.
   2. Comply with requirements in the University's "Contractor Safety Handbook," provided under separate cover by University's Representative.

C. Barricades and Barriers: As required by authorities having jurisdiction, provide substantial barriers, guardrails and enclosures around Work areas and adjacent to embankments and excavations for protection of workers and the public. See Section 01560 - Temporary Barriers and Controls for additional requirements.

### 1.5 PROTECTION OF EXISTING CONDITIONS

A. Protection of Adjacent Facilities: Contractor shall restrict Work to limits indicated on the Drawings and as specified in Section 01010 - Summary of the Work. Protect existing, adjacent facilities from damage, including

soiling and debris accumulation.

B. Video Record of Existing Conditions: Contractor shall produce video record of all existing conditions within and adjacent to Project area.

1. Video record shall made on DVD with sound to record comments to identify locations and describe conditions.

2. University's Representative will accompany Contractor during recording of existing conditions but will not direct recording process.

3. Video shall record state of existing features, including but not limited to:
   a. Paving.
   b. Landscaping.
   c. Building surfaces.
   d. Utilities.
   e. Lighting standards, fencing, signage and other site appurtenances.

4. Contractor shall retain one copy and deliver one copy of video record to University's Representative within seven calendar days after the video record was produced.

5. Video record shall be used to verify restoration of existing conditions after completion of construction activities.

6. Existing feature not recorded shall be restored as directed by University's Representative, including reconstruction and refinishing as determined necessary by University's Representative.

## 1.6 FIRE PROTECTION

A. Fire Protection Responsibility: Protection of Project from fire shall be solely Contractor's responsibility.

B. Fire Protection Provisions, General: Maintain, at a minimum, the Work in conditions to minimize fire hazards and provide adequate fire protection devices, such as suitable fire extinguishers, blankets, warning signs and storage containers.

1. Store combustible materials in containers in fire-safe locations.

2. Maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for fighting fires. Prohibit smoking in hazardous fire exposure areas.

3. Provide supervision of welding operations, combustion type temporary heating units, and similar sources of fire ignition.

C. Special Fire Protection Provisions: During hazardous construction activities, maintain adequate fire protection devices immediately available for use at the location of such activities.

D. Fire Protection Equipment: Until fire protection is provided by permanent fire protection systems and equipment, install and maintain temporary fire protection equipment as necessary to protect against ignition and spread of fires. Comply with NFPA 10 "Standard for Portable Extinguishers," Title 19 CCR Chapter 3 and NFPA 241 "Standard for Safeguarding Construction, Alteration and Demolition Operations."

E. Temporary Fire Sprinkler Provisions: Where existing fire sprinkler system is affected by demolition and re-construction activities, provide either temporary fire protection measures acceptable to authorities having jurisdiction or modify existing system as necessary to maintain fire protection. Include extensions and additions to standpipe system, for Fire Department connections. Comply with California Fire Code (CFC) Article 87

during all phases of the Work.

F. Fire Extinguishers for Protection During Construction: Comply with NFPA 10, Title 19 CCR and 241 for classification, extinguishing agent and size required by location and class of fire exposure.

1. Provide hand carried, portable UL-rated, Class "A" fire extinguishers for temporary offices and similar spaces.

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.

G. Installation of Fire Extinguishers for Protection During Construction: Locate fire extinguishers in field offices, storage sheds, tool houses, other temporary buildings and throughout the Work site. Comply with directions of Fire Marshal having jurisdiction.

1. In the area under construction, provide at least one fire extinguisher for each 5,000 square feet of building floor area.

2. Locate fire extinguishers no greater than 100 feet travel distance apart.

## 1.7 SECURITY

A. Security Responsibility: Security of the Project area shall be solely the Contractor's responsibility until completion of the Work. Reference Contract General Conditions Article 4.08-c, Protection of Facilities.

B. Security Provisions, General: Provide security program and facilities to protect Work from unauthorized entry, vandalism, and theft.

C. Guard Service: At Contractor's discretion, employ guards to protect the site after working hours.

## 1.8 RUNOFF CONTROL

A. Erosion and Sedimentation Control: Erosion and sedimentation control provisions shall meet or exceed minimum requirements of authorities having jurisdiction. When provisions are indicated on Drawings, they are minimum requirements. If no sedimentation control system is shown, then Contractor shall design and provide system to prevent siltation of adjacent property as required by authorities having jurisdiction. See Civil Drawings for additional requirements and details.

1. Implement erosion and sedimentation control provisions prior to commencing site clearing, grading, backfilling and compacting or other construction activities which will expose soil to erosion and potential for sediment-laden runoff.

2. Ensure that sediment-laden water does not enter drainage systems.

3. Maintain erosion and sedimentation control provisions until Contract Completion review is completed for landscaping, or sooner if approved by authorities having jurisdiction.

4. Implementation, maintenance, replacement and additions to erosion and sedimentation control provisions shall solely be the responsibility of the Contractor. As construction progresses and seasonal conditions dictate, more erosion and sedimentation controls may be required. If so, Contractor shall provide additional provisions over and above minimum requirements as necessary.

B. Drainage: Grade site and other Work areas to drain.

1. Provide temporary drainage ditches and diversion measures as necessary to protect construction.

2. Provide erosion control measures as necessary and as required by authorities having jurisdiction. Comply with local water quality control requirements, as applicable.

C. De-Watering: Maintain excavations free of water. Provide and operate pumping equipment as necessary.

1. Removal of contaminated water from excavations, dewatering of contaminated groundwater and discharging of contaminated soils via surface erosion is prohibited.

2. Dewatering of non-contaminated groundwater shall be performed only after Contractor obtains a National Pollutant Discharge Elimination System Permit from the State or Regional Water Quality Control Board having authority. Costs of such permit shall be included in the Contract Sum.

D. Runoff Control: Storm water runoff and other waters may be encountered at various times during construction. Contractor, by signing the Agreement, acknowledges that risks arising from storm water runoff and other waters have been investigated and considered, and Contract Sum and Contract Time include all costs associated with runoff control.

1. It shall be responsibility of Contractor to protect Work from detrimental effects of all waters encountered.

2. It shall be responsibility of Contractor to protect Work from detrimental effects of runoff.

3. Should damage to the Work due to surface or other water occur prior to acceptance of the Work by University's Representative, Contractor shall repair or replace Work at no change in Contract Time or Contract Sum.

E. National Pollutant Discharge Elimination System: Contractor shall comply with requirements of environmental protection and storm drainage authorities having jurisdiction.

1. Project Area and other areas affected by Work under the Contract shall be maintained in such condition that anticipated storm runoff does not carry wastes and other pollutants off the site.

2. Discharges of material other than storm water will be allowed only when necessary for performance of the Work and where such discharge does not cause the following:
   a. Cause or contribute to a violation of applicable water quality standard.
   b. Cause or threaten to cause pollution, contamination or nuisance, as determined by authorities having jurisdiction. Potential pollutants include but are not limited to:
      1) Solid or liquid chemical spills.
      2) Wastes from paints, stains, sealants, adhesives, limes, pesticides, herbicides, wood preservatives and solvents.
      3) Asbestos fibers, paint flakes or fragments of plaster and drywall.
      4) Fuels, lubricants, hydraulic fluids, coolants, battery electrolytes.
      5) Vehicle or equipment, degreasing, steam cleaning and wash water.
      6) Concrete, mortar and plaster mix and cleaning water.
      7) Detergents and floatable wastes.
      8) Superchlorinated potable water line flushings.
   c. Contain hazardous substances in a quantity reportable under Federal Regulations 40 CFR Parts 117 and 302.

3. During performance of the Work, disposal of such materials shall occur at a temporary on-site location, physically separated from potential storm water runoff, with ultimate disposal in compliance with all applicable local, regional, State and Federal requirements.

4. Contractor shall obtain and comply with Storm Water Pollution Prevention Plan (SWPPP). Contractor

shall be responsible for payment of the permit and all fines for non-compliance with the SWPPP, at no change in Contract Sum.

F. Pavement Clearing and Cleaning: Keep site accessways, parking areas and building access and exit facilities clear of mud.

1. Remove mud, soil and debris and dispose in a manner which will not be injurious to persons, property, plant materials and site.

2. Comply with runoff control requirements stated above and as required by authorities having jurisdiction.

**PART 2 - PRODUCTS**

Not Applicable to this Section.

**PART 3 - EXECUTION**

Not Applicable to this Section.

**END OF SECTION**