

SECTION 31 10 00  
SITE PREPARATION  
Construction Specification

Part 1 GENERAL

1.1 PURPOSE

- A. This section describes general requirements, products, and methods of execution relating to site preparation, unless otherwise noted. This section applies to:
1. Surface and subsurface demolition.
  2. Backfilling of excavations and depressions.
  3. Coordination, demolition and/or relocation of existing utilities.
  4. Prior to start of demolition of facilities, shut-off, disconnect, cut, and cap where required, underground utility services to facilities.
  5. Removal of A.C. pavement driveway and concrete pavement, concrete pads, and A.C. curbing.
  6. Removal of cyclone wire, wood fences and barricades.
  7. Removal of storm drainage piping, catch basins, and manholes.
  8. Removal of vegetation and trees as specified herein.
- B. Contractor shall provide labor, material and equipment required for demolishing, cutting, removing and disposing of existing construction as designated and shown on the Plans for the following as required, unless otherwise noted.
- C. Related Sections:
1. Section 31 10 00- Earthwork and Grading.
  2. Section 31 23 33- Trenching, Backfilling, and Compacting.

San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall confirm that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.

1.2 SUBMITTALS

- A. Comply with requirements of Section Submittal Procedures.
- B. Submit all permits and certificates required for the project, for record purposes.
- C. Demolition schedule and proposed methods and operations.
- D. Permits and notices authorizing demolition.

- E. Letter or certificates of severance of utilities services from the affected agencies or utilities.
- F. Proposed haul route(s) from the demolition worksite to an authorized disposal site.
- G. Permit for transport and disposal of debris.
- H. Make arrangements of disposing of waste and excess materials at a legally licensed landfill/disposal facility outside worksite and pay cost thereof.
- I. Photograph existing conditions of existing structure surfaces, equipment, and adjacent improvements that might be misconstrued as damage related to removal operations. File photographs with Project Manager prior to start of work.
- J. Submit Proposed dust control measures.
- K. Submit Proposed noise control measures.
- L. Work Schedule: Submit a proposed schedule of work items to be performed, and a description of how the work is to be accomplished, for the Project Manager's review.
- M. Report of inspections conducted with the Project Manager before and after performing work.

### 1.3 QUALITY ASSURANCE:

- A. Comply with the following Standards: American National Standards Institute, Inc. "American National Standard Safety Requirements for Demolition" (ANSI A10.6 and A10.8).
- B. Regulatory Agencies:
  - 1. Comply with rules and regulations of State of California, California Code of Regulations, Title 8, Industrial Relations, Chapter 4, Subchapter 4, "Construction Safety Order."
  - 2. Comply with applicable local and state agencies having jurisdiction.
  - 3. Comply with governing EPA notification regulations.
- C. Secure all required Permits or Certificates for demolition or discontinuance of utilities, prior to beginning the work.

### 1.4 PROJECT CONDITIONS:

- A. Disposition of Existing Improvements:
  - 1. All materials indicated to be removed shall become the property of the Contractor; dispose of these outside the project site.
    - a. Do not dispose of removed materials to the general public by sale, gift or in any other manner at the Site.
    - b. These provisions shall not be construed as limiting or prohibiting sale or disposal of such materials at the Site to duly licensed Contractors or material suppliers, provided materials are removed from the construction site by the Contractor.
  - 2. All removal of debris from the site, including removal of inventory to site of storage, is part of this Contract and shall be done by Contractor's employees and no others.
- B. Salvage and Reuse:

1. Where units or items of existing work are designated to be removed and reused in the new work or are to become salvage, remove such units or items carefully.
  - a. Use tools and methods that will not damage such units or items.
  - b. Protect underlying or adjoining work from damage.
  - c. Salvaged items shall be cleaned by the Contractor.
- C. Protection:
  1. Erect and maintain temporary bracing, shoring, lights, barricades, except construction barricades for subsequent new construction, warning signs, and guards necessary to protect public, the District's employees, finishes, improvements to remain and adjoining property from damage, all in accordance with applicable regulations.
  2. Wet down areas affected by this work as required preventing dust and dirt from rising.
  3. Protect active underground utilities from damage. If underground utilities are damaged in any way, notify the Project Manager immediately for corrective action.
- D. Scheduling:
  1. Coordinate with the District in scheduling noisy or dirty work.
  2. Schedule work at the District's convenience to cause minimal interference with the District's normal operations.
  3. Jackhammering shall be coordinated with the District and College to minimize disturbance of classes.
- E. Traffic Circulations: Ensure minimum interference with roads, streets, driveways, sidewalks, and adjacent facilities.
  1. Do not close or obstruct public thoroughfares without first obtaining the required permit or permission of the responsible jurisdiction.
  2. Where closing of a vehicular or pedestrian traffic circulation route is necessary, provide adequate directional signs to minimize the potential for confusion.

## Part 2 PRODUCTS (NOT USED)

## Part 3 EXECUTION

### 3.1 EXAMINATION:

- A. Examine areas affected by work of this Section and verify following:
  1. Disconnection of utilities as required.
  2. That utilities serving occupied portions of buildings on and off the site will not be disturbed or that temporary utility services have been provided.
  3. Removal by the District of the District's personal property, movable furniture and equipment items not designated for relocation.

- B. Where existing conditions conflict with representations of the Construction Documents, notify the Project Manager and obtain clarifications. Do not perform work affecting the conflicting conditions until clarification of the conflict is received.

### 3.2 PREPARATION

- A. Verify that the area to be demolished or removed has been vacated, or adequate space made available to perform the work.
- B. Arrange for, and verify termination of utility services to include removing meters and capping of lines.
- C. Lay out cutting work at Job Site and coordinate with related work for which cutting is required.

### 3.3 DEMOLITION

- A. If confirmed or suspected hazardous materials are encountered during operations, stop operations immediately and notify the Project Manager.
- B. Perform work in accordance with ANSI A10.6-1969 unless otherwise noted.
- C. Provide noise and dust abatement as required to prevent contamination of adjacent areas.
  - 1. Remove all materials not designated as salvage, in their entirety.
  - 2. Remove building foundations in their entirety, unless otherwise indicated on the plans.
- D. Fill voids in the land left by the removal of existing structures as follows:
  - 1. In accordance with the requirements of Section 31 00 00 – EARTHWORK AND GRADING. Grade finished remaining surface to the contours shown, or if not shown, to match the existing natural contours.
- E. Lower, or remove, heavy structural framing members by hoist or crane.
- F. Concrete and Masonry:
  - 1. Demolish concrete and masonry in sections, less than 3 feet in any direction.
  - 2. Method of cutting shall be limited to saw cutting and torch.

### 3.4 CUTTING:

- A. Make new openings neat.
- B. Do not cut or alter structural members and any utilities including appurtenances unless indicated to do so in the Construction Documents, or written approval is received from the Project Manager.
- C. Take care not to damage reinforcing or structural steel scheduled to remain in place.
- D. Concrete: Cut new openings in concrete by coring and saw cutting. Saw run-bys will not be permitted.

### 3.5 PREPARATION FOR NEW FINISH WORK:

- A. Where demolished surfaces are scheduled to receive new finishes, Contractor shall restore such substrate to a condition ready to receive the scheduled new finishes, including grinding or leveling.

3.6 DISPOSAL OF DEMOLISHED MATERIALS:

- A. Promptly dispose of demolished materials. Do not allow demolished materials to accumulate on-site.
- B. Burning of demolished materials off District's property in a legal manner.

3.7 FIELD QUALITY CONTROL:

- A. The Project Manager will accompany the Contractor before and after performance of work to observe physical condition of existing structures or improvements involved.

END OF SECTION