

March 26, 2018

Addendum #04

CMR Services for the San Mateo Health System Campus Upgrade Project

To All Respondents,

Please carefully review the information below and incorporate as directed into your proposal that is due to the San Mateo County Project Development Unit on **March 30, 2018 at 2:30pm**. Respondents submitting proposals that do not reflect the information provided below may be deemed non-responsive and not accepted by the County.

Attached are Amended Project Manual documents that must substitute and replace existing Project Manual documents of the same Document Numbers. All changes made were tracked, making it easier for Respondents to identify them.

List of Amended Project Manual documents:

00 2001	Instruction for Proposals – Article IX (Schedule of Events for the RFP Process) only
00 4001	Price Proposal Form – Appendix B (General Requirements) only
01 5000	Temporary Facilities and Controls

Document 00 2001 Article IX - Schedule of Events for the RFP Process have been updated to reflect following change:

Monday, April 09 2018 have been finalized for the CMR interviews date.

Document 00 4001 Appendix B (General Requirements) have been updated to include following changes:

1. SWPPP Installation & Maintenance – Moved from GR 1 list to Gr 2 list
2. SWPPP Inspection - Moved from GR 1 list to Gr 2 list
3. Trash Removal and Hauling - Moved from GR 1 list to Gr 2 list

Please click on the link below to download the excel worksheet for Document 00 4001 Appendix B (General Requirements):

<https://cmo.smcgov.org/sites/cmo.smcgov.org/files/DOCUMENT%2000%204001%20-%20Appendix%20B%20General%20Requirements%201%20and%202%20Matrix%20Rev%2001.XLSX>

END OF DOCUMENT



**San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project**

- C. Information disclosed to Owner and all items in opened submissions are the property of Owner unless Proposer makes specific reference to data that is considered proprietary. Subject to the requirements in the Public Records Act, reasonable efforts will be made to prevent the disclosure of information except on a need-to-know basis during the evaluation process.

8.09. Substitutions

- A. Proposers must base their Proposals on products and systems where specified in the Contract Documents where applicable.
- B. Submittals of substitutions shall contain all required information set forth in Document 00 6325 (Substitution Request Form) (if used) and Document 01 6000 (Product Requirements). Insufficient information shall be grounds for rejection of substitution.
- C. Owner may consider specifications final upon Contract award, however, and will consider substitutions following award in its sole discretion.

8.10. Reservation of Rights

- A. Owner reserves the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional Proposals, and to reject the Proposal of any Proposer as non-responsive as a result of any error or omission in the Proposal, or if Owner believes that it would not be in the best interest of the Project to make an award to that Proposer, whether because the Proposal is not responsive or the Proposer is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by Owner. For purposes of this paragraph, an “unbalanced Proposal” is one having nominal prices for some Cost items and enhanced prices for other Cost items.
- B. Owner may retain Proposal securities and Proposal bonds of other than the Best Value Proposer for a reasonable time, not exceeding ninety (90) Days after award of Contract. Owner may reject any or all Proposals and waive any informalities or minor irregularities in the Proposals. Owner also reserves the right, in its discretion, to reject any or all Proposals and to re-Propose the Project.

8.11. Modification/ Addition to Instructions for Proposals. Owner reserves the right to modify existing procedures and instructions and will notify all Proposers if Owners exercises this right.

8.12. Definitions

- A. All abbreviations and definitions of terms used in this Document 00 2001 are set forth in Document 00 7200 (General Conditions) and Document 01 4200 (References and Definitions).

ARTICLE IX– ANTICIPATED SCHEDULE OF EVENTS FOR THE RFP PROCESS

Project Development Unit Issues RFP	02/14/18
Pre-Proposal Conference (Mandatory)	02/26/18
Questions via email due: 5:00 pm	03/02/18
Responses to Questions Posted to Webpage	03/12/18
Proposal due: 2:30 pm	03/30/2018
Interviews	<u>04/09/2018</u>
Notice of Intent to Award Posted	<u>04/10/2018</u>
Board Approval	04/24/18

END OF DOCUMENT 00 2001

**San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project**

DOCUMENT 01 5000

TEMPORARY FACILITIES AND CONTROLS

ARTICLE I - GENERAL

1.01. Summary

- A. This Document includes:
 - 1. Article I – General
 - a. 1.01 – Summary
 - b. 1.02 – Related Documents, Codes, and Standards (Not Used)
 - c. 1.03 – Definitions
 - d. 1.04 – Temporary Facilities and Controls
 - e. 1.05 – Utilities
 - f. 1.06 – ~~Temporary Construction Facilities~~ Temporary Controls
 - ~~g. 1.07 – Temporary Controls~~
 - ~~h.g. 1.087~~ – Fire Protection
 - ~~i.h. 1.098~~ – Submittals
 - 2. Article II – Products (Not Used)
 - 3. Article III – Execution (Not Used)
 - 4. Article IV – Forms (Not Used) ~~Forms – Table 01500-001, “Permit-Required Confined Spaces”~~

1.02. Related Documents, Codes and Standards (Not Used)

1.03. Definitions

- A. Hot Work. Hot work includes any operations capable of initiating fires or explosions, including cutting, welding, brazing, soldering, grinding, thermal spraying, thawing pipe, torch applied roofing, or any other similar activity.
- B. Fire Marshal. Office of State Fire Marshal, County and City of San Mateo Fire Marshals
- C. Temporary Fencing. Temporary fencing provided and Installed by Contractor as needed by Contractor to protect equipment, field office, stored items, Project Site, and Work until final demobilization.

1.04. Temporary Facilities and Controls

- A. Provide and pay for all temporary utilities, utility usage and service charges, utility meters, controls, and support facilities required for the Project until the Owner assumes responsibility of the aforementioned.

1.05. Utilities

- A. Electricity.
 - 1. Electrical service including metering devices needed by the Contractor to perform the Work must be Provided and paid for by Contractor.
 - 2. Arrange with utility company to provide service required for power and lighting, and pay all costs for service and for power used.
 - 3. Install circuit and branch wiring with area distribution boxes located so that power and lighting is available throughout the construction by the use of construction-type power cords.
 - 4. Provide adequate artificial lighting for all areas of Work in accordance with industry safety standards including OSHA requirements when natural light is not adequate for Work and for areas accessible to the public.
 - 5. If additional temporary utility poles or electric extensions are deemed necessary by the Contractor to perform Contract Work, Contractor must submit three copies of a plan showing the proposed temporary utility poles or electric extensions prior to installation. Contractor must pay for all additional temporary utility poles or electric extensions installed.
- B. Telephone and Internet Service.
 - 1. Arrange with local telephone company to provide direct line telephone and internet service at

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- the construction site.
 - 2. Minimum service required:
 - a. One direct line instrument in Field Office.
 - b. Internet for office use
 - 3. Pay all costs for installation, maintenance, use, and removal.
 - 4. Prior to mobilization, Contractor must submit to Owner four copies of a list containing all relevant personnel contact telephone numbers, including emergency contact numbers for nights, weekends, and holidays.
- C. Water Service.
- 1. Contractor must make arrangements and pay for all water and water metering devices required for construction purposes including landscape irrigation.
 - 2. Contractor must not assume that water required for construction purposes will be available at the Project Site at the times and in the quantities required to support Contractors construction activities.
- D. Sanitary Facilities.
- 1. Contractor must Provide and pay for an appropriate number of sanitary facilities, in compliance with all laws and regulations, for use by Contractor and Owner's personnel.
 - 2. Regular service of the sanitary facilities must be maintained by the Contractor to keep a clean, healthy, and hygienically acceptable work environment.
 - 3. Contractor must not use Owner's Sanitary Facilities without prior written Approval of Owner's Project Manager.
- E. Waste Disposal.
- 1. Unless otherwise specifically stated in the Contract Documents, Contractor must provide and pay for all Waste Disposal.
 - 2. Wastes must be properly handled, and stored in covered containers, and removed from the Project Site at least once each week.
 - 3. Cardboard, packing material, and similar combustible debris shall not be accumulated within buildings. Such debris, rubbish and waste material must be removed from buildings on a daily basis.
 - 4. Temporary Construction Facilities
- F. Field Office.
- 1. The Contractor must maintain an active Field Office on site.
 - 2. Contractor may bring a portable field office on site to support the Contractor's Work.
 - 3. All project meetings will be held in the Contractor's Field Office unless otherwise Directed by Owner's Project Manager.
 - 4. Contractor to provide and maintain office for County Project Manager and Project Inspector.
- G. Advertising.
- 1. Advertising is not permitted, except that Contractor's name may be placed on Contractor's field office.
- H. Temporary Fencing.
- 1. The Contractor must install Temporary Fencing to protect equipment, field office, and stored items.
 - 2. Contractor must provide and pay for Temporary Fencing to protect Project Site(s) and Work areas as needed until final demobilization.
- I. Storage Areas and Sheds.
- 1. Prior to mobilizing to the Project Site, Contractor must submit the intended location of the Contractor's storage sheds and storage areas for Owner review and acceptance.
 - 2. Contractor must confine its apparatus, storage of materials, and construction operations to areas approved by Owner's Project Manager.
 - 3. Contractor must not unreasonably encumber the premises and roads with its materials and equipment.
 - 4. The Contractor must not store any quantities of fuel, oils, solvents or any other hazardous materials in storage tanks on-site.
- J. Equipment Maintenance and Repair.
- 1. The Contractor must perform equipment maintenance activities off site.

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

2. Equipment service trucks must provide fuels and lubricants for construction equipment. Contractor must not store any quantities of fuel or oil in on-site storage tanks.
- K. Vehicular Access.
1. All vehicles must be operated in a safe manner.
 2. Contractor's equipment must enter and leave the Project area via access routes designated by Owner, and move in the direction of public traffic at all times. All movements on or across public traveled ways must not endanger public traffic.
- L. Parking.
1. Parking for personal vehicles of Contractor's personnel must be limited to designated areas specified or Approved by Owner's Project Manager.
 2. Personal vehicles must not be parked in the Work area.
 3. Parking of construction equipment must be limited to designated areas specified or as approved by Owner.
 4. All vehicles must be parked a minimum of 20 feet from new buildings under construction except construction vehicles may be temporarily parked for loading/unloading or other construction related operations as long as such vehicles are not left unattended at any time.
- M. Progress Cleaning.
1. Contractor must maintain the Project Site in a clean and orderly condition at all times.
 2. The Contractor must maintain all Project areas free of waste materials, debris, dust, mud and rubbish caused by Contractor's operations.
 3. Work and storage areas must be kept clean and free of rubbish on a daily basis.
 4. Contractor must immediately remove any spillage or debris resulting from hauling operations along or across any public traveled way.
 5. Contractor must perform daily inspection of Project Site, Work areas, and public traveled ways to enforce the above requirements.
- N. Concrete Washout Areas.
1. Concrete washout must be limited to designated areas specified or Approved by Owner.
- O. Temporary Living Facilities
1. Contractor's employees, or others subject to the Contractor's control, are not permitted to reside on the Project Site in temporary living facilities.
- P. On-site Fabrication Areas.
1. On-site Fabrication must be limited to designated areas specified or Approved by Owner.
- Q. Hoists, Temporary Elevators and Man-lifts.
1. Provide facilities for hoisting materials and employees.
 2. Do not permit employees to ride hoists that comply only with requirements for hoisting materials.
 3. Selection of type, size and number of facilities is the Contractor's option.
 4. Provide properly trained operating personnel for equipment.
 5. Truck cranes and similar devices used for hoisting are considered equipment and not Temporary Construction Facilities.
 6. Permanent Elevators
 - a. Use permanent elevators only with the express written permission of the Owner's Project Manager.
 - b. Contractor must not assume Owner will grant permission to use Permanent Elevators.
 - c. If Owner grants permission to use Permanent Elevators, Contractor must comply with all conditions and restrictions associated with Owner's permission for Contractor's use of Permanent Elevators.
- R. Scaffolding.
1. Furnish, erect and maintain all required scaffolding for the Work of this Project.
 2. Scaffolding and accessories must conform to all regulations governing such equipment.
 3. Maintain scaffolding in conformance with all applicable safety requirements.
 4. Immediately upon completion of use, remove all scaffolding and accessories from the Job Site.
 5. At the Contractor's option, individual Subcontractors may provide scaffolding for their Work; however, all scaffolding remains the responsibility of the Contractor.

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

S. Temporary Enclosures.

1. Provide temporary weather-tight enclosure of exterior walls for successive areas of building as work progresses, as necessary to provide acceptable working conditions, to provide weather protection for materials, allow for effective temporary heating, and to prevent entry of unauthorized persons.
2. Provide temporary exterior doors with self-closing hardware and padlocks.
3. Temporary Enclosures must be removable as necessary for Work and for handling of materials.

1.06. Temporary Controls

A. Temporary Barriers.

1. Contractor must provide and maintain temporary barriers as needed to prevent unauthorized entry to Work areas.
2. Contractor must provide and maintain temporary barriers as needed to protect existing facilities and adjacent properties from damage.
3. Contractor must provide adequate measures to protect third party vehicular traffic from damage.
4. Contractor must Provide adequate measures to protect third party foot traffic from injury.
5. Install Temporary Barriers in a neat and reasonable uniform appearance, structurally adequate for required purposes.
6. Maintain Temporary Barriers during entire Construction Time.
7. Relocate Temporary Barriers as required by progress of Construction.
8. Contractor must remove Temporary Barriers when no longer needed, or at completion.

B. Protection of Work.

1. Contractor must protect installed Work and Provide special protection where needed or required by the Contract Documents.
2. Contractor must provide suitable drainage to protect the Project Site and the Work.
3. Contractor must erect such temporary structures as are necessary to protect the Work, materials, and equipment from damage.
4. Contractor must maintain staking, flagging, Temporary Fencing, and barrier fencing throughout the Contract Time as required for protecting the Work.

C. Protection of Existing Property.

1. Contractor must protect all existing utilities, facilities, landscape, fencing, equipment, furniture and all other existing structures and improvements within the Project area not specifically scheduled for demolition.
2. To the extent permitted by law, any damage caused by the Contractor to existing utilities, facilities, equipment, furniture, fencing, and all other existing structures and improvements must be fully and immediately restored at the Contractor's expense.

D. Protection of Pedestrians.

1. Contractor must pave pedestrian openings through falsework or Provide full width continuous wood walks, and keep all walkways clear.
2. Contractor must protect pedestrians from falling objects and water runoff.
3. Overhead protection for pedestrians must extend not less than four (4) feet beyond the edge of a structure.

E. Security.

1. The security of the Project Site, Work area, and stored materials is the Contractor's responsibility during the entire Contract Time.
2. Owner is not responsible for damage to or loss of Contractor's materials and equipment left at the Project Site.
3. Contractor must repair, replace, or restore all existing facilities, equipment, furniture, and new Work damaged, destroyed, lost, stolen, or defaced due to vandalism or theft.

F. Traffic Control.

1. The Contractor must not stage vehicles or equipment on railroad tracks, private property, or on any public street unless expressly authorized in advance by the local jurisdiction or private property owners.
2. The Contractor must keep all surface areas (i.e., site roads, off-site streets, and parking areas)

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- clear of dirt, mud, and debris and must clean such surfaces as needed, or as Directed by the Owner's Project Manager.
3. Locate temporary roads, drives, walks and parking facilities to provide uninterrupted access to construction offices, Work and storage areas, and other areas as required for efficient execution of the Work.
 4. Keep fire hydrants and water control valves free from obstruction and accessible for use.
 5. Provide flagmen for traffic control as needed or required.
 6. At completion of the Work, permanent roads and entranceways must be left in at least equal condition to that existing at the start of the Work, except as may be otherwise required by the Contract Documents.
- G. Noise Control.
1. Unless the Owner's Authorized Representative grants a waiver in writing, Contractor must comply with all local noise ordinances, and must limit the Normal Hours of Work accordingly.
- H. Vibration Control.
1. Vibration shall be kept to a minimum. Use of jackhammers, rotohammers, and other vibration-causing devices are not permissible, except with prior approval from Owner's Authorized Representative.
 2. Contractor will be required to make special coordination with adjacent departments near and around the work site.
- I. Dust and Odor Control.
1. Contractor must minimize dust nuisances resulting from performance of the Work, both inside and outside the Project limits, by applying either water or dust palliative, or both.
 2. Contractor shall make every effort to minimize the levels of odors and fumes and similar items to the extent possible and in accordance with local ordinances or other requirements.
- J. Surface Water Control.
1. Contractor must:
 - a. Construct whatever temporary facilities are necessary to provide prevention, control and abatement of water pollution.
 - b. Control surface drainage water to prevent damage to the Work, Project Site or adjoining properties.
 - c. Provide whatever temporary measures are needed or required including but not limited to berms, dikes, ditches, and drains to direct surface drainage away from excavations, trenches, pits, tunnels and other Work areas.
 - d. Provide, operate and maintain equipment of adequate capacity to control surface water.
 - e. Dispose of drainage water in a manner to prevent flooding, erosion, or other damage to any portion of the Work, Project Site or to adjoining areas.
 - f. Plan and execute earthwork operations by methods which control surface drainage.
 - g. Expose minimum amount of bare soil at any given time.
 - h. Inspect earthwork daily for evidence of erosion and apply erosion control measures as needed or required.
 2. Contractor must obtain and pay for any discharge permits required.
- K. Trenching, Drilling, Pinning and Excavation.
1. Before any excavation, Contractor must, pursuant to California Government Code § 4216 and Cal/OSHA 8 C.C.R. 1540, outline the excavation in white paint (preferably chalk or water base), provide two workdays notice to Underground Service Alert (1-800-227-2600), obtain a locater number, and follow all necessary procedures to avoid underground facility damage.
 2. Contractor must meet all regulatory requirements and Provide adequate temporary protection before, during, and after all Trenching, Drilling, Pinning and Excavation activities.
- L. Pesticide Use.
1. Contractor must comply with the California Department of Pesticide Regulation relating to integrated pest management and pesticide use.
- M. Compliance with Owner's Policies, Ordinances, and Regulations.
1. Contractor must comply with all applicable County of San Mateo and City of San Mateo Policies, Ordinances, and Regulations regarding signs, advertising, barricades, danger signals, pesticide use, fires, smoking, security, noise, dust, vibration, odor, infection control, interim life

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

safety measures (ILSMs), or other policies or regulations, and must require all persons employed on the Work to comply with all building or institutional regulations, and vehicle, street and highway codes while on the premises and roads relating to the Project Site.

~~N. Temporary Heat and Ventilation:~~

- ~~1. Provide temporary heat and ventilation in interior spaces prior to and when work is being performed.~~
- ~~2. Maintain adequate environmental conditions to facilitate progress of the Work.~~
- ~~3. Meet specified minimum conditions for the installation of materials.~~
- ~~4. Protect materials and finishes from damage due to temperature or humidity.~~
- ~~5. Provide adequate forced ventilation of enclosed areas for curing of installed materials, to disperse humidity, and to prevent hazardous accumulations of dust, fumes, vapors or gases.~~
- ~~6. Portable heaters must be standard approved units complete with controls and meet the requirements of this Document 01-5000.~~
- ~~7. Pay all costs of installation, maintenance, operation and removal, and for fuel consumed.~~

~~Q.N. Confined Spaces.~~

1. Contractor must comply with all State and Federal OSHA requirements, and all of Owner's requirements regarding entry into confined spaces including but not limited to the following:
 - a. Before starting any Work, submit for Owners review and acceptance a confined space entry program applying to all existing permit-required confined spaces identified by Owner in the Contract Documents (see Table 015000-001, "Permit-required Confined Spaces"), or defined by regulations, and any confined spaces identified or created by Contractor or Owner during the Contract Time. Owner has the right to identify additional spaces to be treated as confined spaces by Contractor at any time during the Contract Time, without changing the Contract Sum or Contract Time if such additional spaces were created by Contractor.
 - b. Maintain written records of all entries into confined spaces and all activities conducted in confined spaces.
 - c. Coordinate all entry operations with Owner when both Contractor's personnel and Owner's personnel will be working in or near a confined space in the Project area. Owner will endeavor to give Contractor at least twenty-four (24) hours advance notice of such entry except in unforeseen situations and emergencies.
 - d. Inform Owner in writing at the conclusion of entry operations regarding the permit space program followed and any hazards confronted or created in permit spaces during entry operations.

1.07. Fire Protection

- A. Prior to performing any Work at the Project Site, Contractor must establish at the Project Site, methods, procedures, and equipment for emergency notification to the fire department via telephone. The street address of the construction site must be posted adjacent to the telephone, along with the public safety emergency telephone number(s).
- B. Fire Department Access Roadways.
 1. The Project Site must be accessible by fire department apparatus by means of roadways having an all-weather driving surface of not less than 20 feet of unobstructed width.
 2. The Fire Department Access Roadway must have the ability to withstand the live loads of fire apparatus, and have a minimum 15 feet of vertical clearance.
 3. Dead-end Fire Department Access Roadway in excess of 150 feet in length must be Provided with turnarounds approved by the Fire Marshal.
 4. If permanent Fire Department Access Roadways are not available during any part of the Contract Time, Contractor must Provide temporary Fire Department Access Roadways complying with the following requirements:
 - a. The roadway must be approved by the Fire Marshal. As a minimum, the roadway must consist of a (6") of road base material (Class II aggregate base rock), both compacted to a minimum of ninety-five (95%).
 - b. The perimeter edges of the roadway must be contained and delineated by curb and gutter

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- or other method approved by the Fire Marshal.
 - c. Surface drainage must be Provided.
 - d. The integrity of the roadway must be maintained at all times.
 - e. The Contractor must include activities in Contractor's Progress Schedules for Fire Marshal approval and construction of the temporary Fire Department Access Roadway.
- C. Fire Alarm Systems.
- 1. Fire alarm systems must be maintained operational at all times during building alterations.
 - 2. When an alteration requires modification to a portion of the fire alarm system, the portion of the system requiring Work must be isolated and the remainder of the system must be kept in service whenever practical.
 - 3. When it is necessary to shut down all or parts of the fire alarm system, Contractor must provide a fire watch or other mitigation approved by the Fire Marshal or Owner's Safety Officer. The mitigation measures must remain active until the system is returned to full service.
- D. Area Separation Walls.
- 1. When area separation walls are required, the wall construction must be completed, with all openings protected, immediately after the building is sufficiently weather-protected at the location of the wall(s).
 - 2. Contractor's Progress Schedule must include specific activities showing the installation of area separation walls.
- E. Fire Extinguishers.
- 1. Portable fire extinguishers must be Provided and must be mounted on a wall or post at each usable stairway such that the travel distance to any extinguisher does not exceed 75 feet.
 - 2. Mounting height to the top of the extinguisher must not exceed five feet (5').
 - 3. Extinguishers must be suitable for use on class A, B, and C (multi-purpose) or as otherwise directed by the Fire Marshal.
 - 4. The Contractor must ensure an adequate number of individuals are trained in the proper use of portable fire extinguishers.
- F. Standpipes.
- 1. Where standpipes are required, the standpipes must be installed as required by the approved drawings when the progress of construction is not more than 35 feet in height above the lowest level of the fire department access.
 - 2. The standpipe system must be extended as construction progresses to within one floor of the highest point of construction having secured decking or flooring.
 - 3. Contractor's Progress Schedule must include specific activities showing the installation of standpipes.
- G. Fire Hydrants.
- 1. If underground water mains and fire hydrants are required as part of the Work, they must be installed, completed, and in service prior to 2nd Level first concrete slab pour.
 - 2. Contractor's Progress Schedule must include specific activities showing the installation of water mains and fire hydrants as directed by the Owner or County Fire Marshal.
- H. Fire Sprinkler Systems.
- 1. If automatic fire sprinkler systems are required as part of the Work, the system must be placed in service as soon possible.
 - 2. Immediately upon the completion of sprinkler pipe installation on each floor level, the piping must be hydrostatically tested and inspected.
 - 3. After inspection and approval from the Fire Marshal, each floor level of sprinkler piping must be connected to the system supply riser and placed into service.
 - 4. Prior to installation of the permanent monitoring system, an exterior alarm bell may be installed and connected to a sprinkler water flow device to provide notification when the system is activated.
 - 5. For buildings equipped with fire sprinkler systems that are undergoing alterations, the sprinkler system(s) must remain in service at all times except when system modifications are necessary.
 - 6. Fire sprinkler systems undergoing modifications must be returned to service at the end of each workday unless otherwise approved by the Fire Marshal.
 - 7. The Contractor must notify Owner at the end of each workday so that Owner can confirm the

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- system has been restored to service.
8. Contractor's Progress Schedule must include specific activities showing the installation of Fire Sprinkler Systems including all sequencing restrictions identified in the requirements of the Contract Documents.
- I. Exiting Requirements.
 1. All exiting requirements must comply with OSHPD-approved required drawings.
 2. For new multi-story buildings, each level above the first story must be Provided with at least two usable exit stairs after the floor decking is installed. The stairways must be continuous and discharge to grade level.
 3. Stairways serving more than two floor levels must be enclosed (with openings adequately protected) after exterior walls/windows are in place.
 4. Exit stairs in new and existing, occupied buildings, must be lighted and maintained clear of debris and construction materials at all times. (Exception: For new multi-story buildings, one of the required exit stairs may be obstructed on not more than two (2) contiguous floor levels for the purposes of stairway construction; i.e., installation of gypsum board, painting, flooring, etc.)
 5. Designated exterior assembly points must be established for all construction personnel to relocate to upon evacuation.
 6. Contractor's Progress Schedule must include specific activities showing the installation of exit stairs including all sequencing restrictions identified in the requirements of the Contract Documents.
 - J. Oily Rags.
 1. Oily rags and similar material must be removed daily or after use.
 - K. Smoking.
 1. Smoking is prohibited anywhere on campus or on Owner's premises.
 2. A suitable number of "NO SMOKING" signs must be posted to ensure smoking is controlled.
 - L. Asphalt and Tar Kettles.
 1. Asphalt kettles must not be located within 20 feet of any combustible material, combustible building surface or building opening.
 2. With the exception of thermostatically controlled kettles, an attendant must be within 100 feet of a kettle when the heat source is operating.
 3. Ladders or similar obstacles must not form a part of the route between the attendance and the kettle.
 4. Kettles must be equipped with tight-fitting covers.
 5. Class A, B, and C (multi-purpose) rated portable fire extinguisher must be located within 30 feet of each asphalt kettle when the heat source is operating.
 6. Class A, B, and C (multi-purpose) rated portable fire extinguishers also must be located on roofs during asphalt coating operations.
 - M. Compressed Gases.
 1. Gas cylinders must be marked with the name of the contents.
 2. Gas cylinders must be stored upright and secured to prevent falling.
 3. When not in use, gas cylinder valve protective caps must be in place.
 4. Gas cylinders must be protected against physical damage.
 5. When stored, gas cylinders must be separated from each other based on their hazard classes, outside of buildings and in an Owner-designated area.
 6. Combustible materials must be kept off site.
 7. Gas cylinders must not be placed near elevators, unprotected platform edges or other areas where they would drop more than two feet (2').
 8. Gas cylinders must not be placed in areas where they may be damaged by falling objects.
 9. Ropes, chains or slings must not be used to suspend gas cylinders unless the cylinder was manufactured with appropriate lifting attachments.
 - N. Liquid Petroleum Gas Storage and Use.
 1. Liquid petroleum gas (LP-Gas) storage and use must comply with the following:
 - a. If not prohibited by other sections of the Contract Documents, propane containers may be used in buildings under construction or undergoing major renovation as a fuel source for temporary heating for curing concrete, drying plaster and similar applications in accordance

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

with the following:

- (1) Heating elements (other than integral heater-container units) must be located at least 6 feet from any LP-Gas container.
 - (2) Integral heater container units specifically designed for the attachment of the heater to the container, or to a supporting standard attached to the container, may be used provided they are designed and installed so as to prevent direct or radiant heat application to the LP-Gas container.
 - (3) Blower and radiant type units must not be directed toward any LP-Gas container within 20 feet.
 - (4) Heat producing equipment must be installed with clearance to the combustibles in accordance with the manufacturer's installation instructions.
 - (5) Cylinders must comply with DOT cylinder specifications and must be secured in an upright position.
 - (6) Regulators must be approved for use with LP-Gas. Fittings must be designed for at least 250-psig service pressure.
 - (7) Hoses must be designed for a working pressure of at least 350 psig (unless limited to 5 psig) and shall be a maximum of 6 feet in length.
 - (8) Portable heaters must be equipped with an approved automatic device to shut off the flow of gas to the main burner and to the pilot in the event of flame extinguishment or combustion failure.
 - (9) Portable heaters with an input of more than 50,000 Btu/hr must be equipped with either a pilot that must be "proved" before the main burner can be turned on, or provided with an approved electronic ignition system.
- b. In addition to the above, for LP-Gas use in buildings undergoing alteration and that are fully or partially occupied, the following shall also apply:
- (1) Specific approval must be obtained from the Fire Marshal and Owner's Safety Officer prior to bringing LP-Gas containers onto the Project Site.
 - (2) The maximum water capacity of individual containers shall be 5-gallon water capacity and the number of containers in the building shall not exceed the number of workers assigned to using the LP-Gas.
 - (3) Containers having a water capacity greater than 2 1/2 lb. [1 quart] must not be left unattended.
 - (4) LP-Gas containers may not be stored on-site.

O. Hot Work.

1. The use of Hot Work equipment must be in accordance with the Owner's hot work policy, San Mateo County permitting requirements, and the following guidelines, including a pre-site inspection, fire watch and post inspection procedures.
 - a. Pre-site Inspection: An inspection of the Hot Work site must be conducted by the Contractor or his/her designee prior to Hot Work operations to ensure:
 - (1) the Hot Work site is clear of combustibles or that combustibles are protected;
 - (2) exposed construction is of noncombustible materials or that combustible materials are protected;
 - (3) openings are protected;
 - (4) there are no exposed combustibles on the opposite side of partitions, walls, ceilings, floors, etc.;
 - (5) fire extinguishers are available, fully charged and operable; and
 - (6) fire watch personnel are assigned, equipped and trained.
 - b. Fire Watch: The sole duty of fire watch personnel must be to watch for the occurrence of fire during and after Hot Work operations.
 - (1) Individuals designated to fire watch duty must have fire-extinguishing equipment readily available and must be trained in the use of such equipment.
 - (2) Personnel assigned to fire watch must be responsible for extinguishing spot fires and communicating an alarm.
 - (3) Hot Work conducted in areas with vertical and horizontal fire exposures that cannot be observed by a single individual must have additional personnel assigned to fire

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- watches to ensure that all exposed areas are monitored.
- c. Post Inspection: The fire watch must be maintained a minimum of 30 minutes after the conclusion of the Work to look out for leftover sparks, slag or smoldering combustibles.
- P. Combustion Powered Equipment.
1. Combustion powered equipment must be used in accordance with the following:
 - a. Equipment must be located so that exhausts do not discharge against combustible materials.
 - b. When possible, exhausts must be piped to the outside of the building.
 - c. Equipment must not be refueled while in operation.
 - d. Fuel for equipment must be stored in an approved area outside of the building.
- Q. Temporary Heating (LP-Gas) fueled, shall be listed and must be installed, used, and maintained Equipment
- R. Temporary heaters, such as those that are liquid petroleum gas in accordance with the manufacturer's instructions.
1. Temporary heating devices must be secured properly and kept clear from combustible materials.
 2. Refueling operations must be conducted in an approved manner.
- S. Combustible Material Storage.
1. Combustible construction materials must be stored off site.
- T. Flammable and Combustible Liquids.
1. Storage areas for flammable and combustible liquids must be kept free of weeds and extraneous combustible material. Open flames and smoking are prohibited in flammable or combustible liquid storage areas.
 2. Tanks and containers must be marked with the name of the product and "FLAMMABLE KEEP FIRE AND FLAME AWAY." Tanks (containers in excess of 60 gallons) shall also be labeled, "KEEP 50 FEET FROM BUILDINGS."
 3. Metal containers for Class I or II liquids must be in accordance with DOT requirements or must be of an approved design. Discharge devices must not cause an internal pressure on the container. Individual containers must not be interconnected and must be kept closed when not in use.
 4. Secondary containment or a means of spill control, drainage control, and dike control is required for large containers (such as 55 gallon drums) and tanks as approved by the Fire Marshal.
 5. Plans for the installation/use of any aboveground storage tank (containers greater than 60 gallons) must be submitted to the Owner and Fire Marshal for review and permit prior to procuring proposed tank.
- U. Fire Watch Procedures.
1. A fire watch shall be implemented whenever fire protection water supply, fire alarm, or fire suppression systems are temporarily out of service. The following conditions shall apply:
 - a. Persons conducting fire watch shall be dedicated to this purpose and shall have no other duties.
 - b. Adequate number of persons shall be assigned fire watch duties to be able to continually patrol and visually inspect every portion of the building(s) *at least* every 30 minutes. The Fire Marshal may require a higher level of coverage.
 - c. Fire Watch personnel cannot leave his/her Fire Watch duties until relieved by another person who meets all the qualifications herein.
 - d. Fire Watch personnel shall have access to the entire facility at all times. This includes, but is not limited to, conference rooms, offices, restrooms, janitor's closets, electrical and telecommunications rooms, mechanical rooms, penthouses, basements, and storage areas.
 - e. Primary responsibility for Fire Watch personnel is to patrol the facility continuously and immediately notify any occupants of an emergency to initiate an evacuation. This may mean setting off the fire alarm system with a pull station or alerting on-site personnel verbally.

San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project

- f. Secondary responsibility of Fire Watch personnel is to notify the local Fire Department, and Fire Watch personnel shall have instant access to means of communicating the alarm to the Fire Department by means of a land-line (e.g. desk phone) or cell phone. If cell phones are appropriate and necessary, each cell phone shall be tested prior to the start of the fire watch to ensure adequate coverage throughout the facility. In an emergency call:
 - (1) Land Line: 911
 - (2) Cell Phone: 911
 - 2. Fire Watch personnel shall:
 - a. Be at least 18 years of age.
 - b. Be familiar with these procedures, the physical layout of the facility, the purpose of the facility, and the issues requiring the fire watch, and be trained in the use of a Fire Extinguisher.
 - c. Be able to communicate fluently in the English language.
- V. Burning on the Project Site is prohibited.

1.08. Submittals

- A. Contractor must submit the following items to the Owner for review and acceptance prior to mobilization:
 - 1. Three (3) paper copies and an electronic copy submitted to the Owner of a site map identifying the locations of:
 - a. Contractor's and County's field offices
 - b. Storage sheds and storage areas
 - c. Project Site access and egress points
 - d. Fabrication areas
 - e. Equipment maintenance area
 - f. Parking area for personal vehicles
 - g. Parking and maintenance area(s) for construction equipment
 - h. Temporary utility poles or electric extensions
 - i. Concrete washout area(s)
 - j. Temporary and/or Construction Fencing location(s)
 - 2. Three (3) paper copies and an electronic copy submitted to the Owner of a written description of what types of materials will be used as temporary barriers and protection and how they will be utilized. (See Document 01 5000.1.076, "Temporary Controls.")
 - 3. Three (3) paper copies and an electronic copy submitted to the Owner of a letter designating an authorized representative for the Contractor who will have the authority to represent and act for Contractor at the Project Site. Include the telephone and/or pager numbers at which the Contractor's Authorized Representative can be reached at all times.
 - 4. Three (3) paper copies and an electronic copy submitted to the Owner of all Cal-OSHA safety programs applying to all existing confined spaces identified by Owner in the Contract Documents, or defined by regulations, and any confined spaces identified or created by Contractor or Owner during the Contract Time.
- B. Contractor must submit four (4) paper copies and an electronic copy to the Owner of the following items for Owner and Fire Marshal review and acceptance:
 - 1. Plans for the installation/use of any aboveground storage tank (containers greater than 60 gallons).
 - 2. Plans for temporary Fire Department Access Roadways, if needed.

**San Mateo County – Project Development Unit
San Mateo Health System Campus Upgrade Project**

ARTICLE II– PRODUCTS (NOT USED)

ARTICLE III – EXECUTION (NOT USED)

ARTICLE IIARTICLE IV – FORMS (NOT USED)

END OF DOCUMENT 01 5000