

ROSEMEAD SCHOOL DISTRICT

SUMMARY SCOPE OF WORK

ASBESTOS AND LEAD ABATEMENT PROCEDURES

ENCINITA ELEMENTARY SCHOOL
PORTABLES P28 & P29 AND PLAYGROUND PROJECT
4515 ENCINITA AVENUE
ROSEMEAD, CALIFORNIA 91770

EE Project No. 23-Z0046-00292
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SECTION 01010 SCOPE OF WORK

1.1 GENERAL:

The work to be performed by the Contractor comprises:

**PROJECT: Asbestos and Lead Abatement Procedures
Encinita Elementary School
Portables P28 & P29 and Playground Project
4515 Encinita Avenue, Rosemead, California 91770**

OWNER: ROSEMEAD SCHOOL DISTRICT

1.2 THE SITE:

Asbestos and lead-based paint abatement procedures will be performed for the Portables P28 & P29 and Playground Project at Encinita Elementary School, located at 4515 Encinitas Avenue, Rosemead, California. The exact scope and limits of work are the sole responsibility of the Contractor, who shall determine and verify all conditions, quantities, and situations adjoining the work and existing items.

It is the responsibility of the Abatement Contractor and/or prime trade to use trained personnel, proper personal protection and monitoring, wet methods, and compliant disposal of materials that might be impacted during this project.

1.3 POTENTIAL ASBESTOS HAZARD:

1.3.1 Abatement Contractor is warned that unprotected exposure to asbestos fibers has been determined to significantly increase risk of incurring the following diseases: asbestosis, lung cancer, mesothelioma, and certain gastrointestinal cancers. Care must be taken to avoid releasing asbestos fibers into the atmosphere. Within Code of Federal Regulations, Title 29, Section 1926.1101 (abbreviated as 29 CFR 1926.1101), the Occupational Safety and Health Administration has set standards for permissible exposure to airborne concentrations of asbestos fibers, methods of compliance, personal protective equipment, and other methods which must be utilized when working with, or in proximity to, asbestos. In executing the contract, the Abatement Contractor certifies that they shall comply with all parts of this regulation, as well as any more stringent requirements as specified in this specification.

1.3.2 Abatement Contractor shall presume that detectable levels of asbestos are present in all existing installed surfaces, unless objective information to the contrary is provided by the Owner, Owner's Representative, or Owner's Consultant. The Abatement Contractor shall be responsible for conforming with all applicable California Occupational Safety and Health Administration (Cal/OSHA) Worker Protection and California Environmental Protection Agency (Cal/EPA) Environmental Protection requirements pertaining to asbestos as applicable to the Abatement Contractor's work.

1.4 **LEAD-BASED PAINT HAZARD**

1.4.1 Lead was used as a key ingredient in paint for many years. Cal/OSHA requires all employers of employees who work with materials that may be toxic – including lead-based paint (LBP) – to provide hazard communication and training to their employees. All paint at this facility contains some amount of lead. All contractors shall ensure that they are in compliance with all Cal/OSHA and all other applicable regulations. The District also requires that contractors observe the following work practices:

- 1.4.1.1 It is the responsibility of all Contractors to use trained and certified personnel in accordance with California Department Public Health (CDPH) and Environmental Protection Agency (EPA's) Renovation, Repair, and Painting (RRP) rule, proper personal protection and monitoring, wet methods, and compliant disposal of materials that might be impacted during this project.
- 1.4.1.2 Absolutely no dry-sanding of painted surfaces.
- 1.4.1.3 Voids or ridges in painted surfaces shall be filled or "feathered" as necessary with compatible, non-lead-containing products.
- 1.4.1.4 Paint film stabilization is required where loose and flaky paint exists prior to component removal. A top coat sealer shall be applied to prevent further LBP flaking during removal.
- 1.4.1.5 All clean-up of debris shall include wet methods and use of a High Efficiency Particulate Air (HEPA) filtered vacuum.
- 1.4.1.6 All paint debris and disposable equipment and materials from surface preparation, demolition, or other paint disturbance shall be contained and removed from the site.
- 1.4.1.7 The contractor shall be responsible for all testing required for the proper disposal of all LBP paint and lead-containing waste materials. This will require testing using waste stream analysis by the TTLC, STLC, and TCLP methods successively (if necessary) to determine non-regulatory limits for disposal.

1.5 **SCOPE OF WORK:**

- 1.5.1 Contractor will follow the applicable abatement procedures for the materials listed below. Where conflict of requirements or with these specifications exists, the more stringent requirements shall apply.
- 1.5.2 **Asbestos Material Removal:** This Contract covers the furnishing of all labor and materials and proper disposal required for removing asbestos-containing materials from the following areas:
 - 1.5.2.1 **Portable P28:** The fire-rated doors located at the restrooms in Portable 28 are assumed to be an asbestos-containing material. Abatement Contractor is to remove material as required by the General Contractor or District. Estimated quantity of this material is 2 doors.

- 1.5.2.2 Portable P29: No asbestos containing materials were identified as pertaining to the materials anticipated to be impacted by the Portables P28 & P29 and Playground Project scope of work.
- 1.5.2.3 Campus: No asbestos containing materials were identified as pertaining to the asphalt and concrete materials anticipated to be impacted by the Portables P28 & P29 and Playground Project scope of work.
- 1.5.2.4 Following removal of asbestos-containing materials the attending certified asbestos professional will conduct a final visual clearance inspection.
- 1.5.3 Lead-Based Paint Coated Component Removal: This Contract covers the furnishing of all labor and materials and proper disposal required for removing/impacting lead-based paint from the following areas:
 - 1.5.3.1 Portable P28: The metal ribbed conduit at the exterior (side B) HVAC unit is identified as being coated with lead-based paint. Contractor is to remove component as required by General Contractor or District and dispose of material according to California Code of Regulations, Title 8, Section 1532.1 (abbreviated as 8 CCR 1532.1). Paint film stabilization is required where loose and flaky paint exists prior to any removal/demolition activity. Estimated quantity of this material is 2 linear feet.
 - 1.5.3.2 Portable P29: The metal ribbed conduit at the exterior (side B) HVAC unit is identified as being coated with lead-based paint. Contractor is to remove component as required by General Contractor or District and dispose of material according to California Code of Regulations, Title 8, Section 1532.1 (abbreviated as 8 CCR 1532.1). Paint film stabilization is required where loose and flaky paint exists prior to any removal/demolition activity. Estimated quantity of this material is 2 linear feet.
 - 1.5.3.3 Campus: No regulated lead-based paint was identified as pertaining to the asphalt and concrete materials anticipated to be impacted by the Portables P28 & P29 and Playground Project scope of work.
 - 1.5.3.4 Upon approval of the work areas, the attending certified lead professional will conduct final wipe clearance sampling and/or a final visual clearance inspection.
- 1.5.4 Other Hazardous Materials: This Contract covers the furnishing of all labor and materials and proper disposal required for removing the other hazardous materials from the following areas:
 - 1.5.4.1 Portable P28: The fluorescent light tubes located throughout the portable are assumed to contain mercury. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 24 light tubes.
 - 1.5.4.2 Portable P28: The ballasts within the light fixtures throughout the portable are assumed to contain PCBs. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 12 ballasts.

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- 1.5.4.3 Portable P28: The HVAC unit on the exterior south wall is assumed to contain Freon. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 1 HVAC unit.
- 1.5.4.4 Portable P29: The fluorescent light tubes located throughout the portable are assumed to contain mercury. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 24 light tubes.
- 1.5.4.5 Portable P29: The ballasts within the light fixtures throughout the portable are assumed to contain PCBs. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 12 ballasts.
- 1.5.4.6 Portable P29: The HVAC unit on the exterior south wall is assumed to contain Freon. Abatement Contractor is to remove the items as required by the General Contractor or District and dispose of material according to current regulations. Estimated quantity of this material is 1 HVAC unit.

1.6 PROCEDURES TO FOLLOW:

- 1.6.1 Provide safe public/student/employee access to all sidewalks and public parking lots surrounding the buildings while work is in progress.
- 1.6.2 Ensure that all personnel are properly trained and possess current asbestos certifications according to Title 8 CCR 1529 and 29 CFR 1926.1101. Personnel completing the lead related work shall be properly trained and CDPH certified according to Title 8, CCR 1532.1. and the EPA's Renovation, Repair, and Painting (RRP) rule.
- 1.6.3 Properly isolate and establish work area(s) as required by Cal/OSHA regulations. Use 6-mil polyethylene sheeting to isolate work areas.
- 1.6.4 Establish a decontamination unit commensurate to the Class of asbestos/lead abatement work being performed.
- 1.6.5 Ensure all personnel are equipped with the required personal protective equipment (PPE) as prescribed Title 8, California Code of Regulations and 29 Series Code of Federal Regulations.
- 1.6.6 Emergency PPE and a suitable respirator shall be available at the entrance to the work area.
- 1.6.7 Clean all surfaces within each work area according to Title 8 CCR 1529, 29 CFR 1926.1101 and Title 8 CCR 1532.1.
- 1.6.8 Properly package and dispose of all materials according to current governing regulations.

- 1.6.9 Place all properly packaged waste materials into a lockable container when removed from the work areas. Ensure that the waste container is properly placarded.
- 1.6.10 Once the asbestos abatement activities have been completed, the attending certified asbestos professional will conduct final visual clearance inspection for each work area.
- 1.6.11 Once the lead-paint abatement activities have been completed, the attending certified lead professional will conduct final wipe clearance sampling and/or a final visual clearance inspection.
- 1.6.12 Upon receipt of clearance, the Contractor will remove all equipment and polyethylene sheeting.
- 1.6.13 Properly manifest all waste materials and remove lockable container(s) from site following completion of work.

1.7 DETAILED WORK PLAN (to be provided to consultant prior to job start):

- 1.7.1 Protective Equipment: Specifying protective equipment (respiratory and body protection).
- 1.7.2 Layout and Locate on a drawing for each phase of work:
 - 1.7.2.1 Decontamination: Decontamination areas.
 - 1.7.2.2 Work Area: Work area location, waste-out area, location of equipment staging area, location of negative air machines and exhaust.
 - 1.7.2.3 Waste Bin: Location of waste bins.
- 1.7.3 Document for each phase of work:
 - 1.7.3.1 Containment: Containment construction and methods.
 - 1.7.3.2 Disposal: Disposal plans to include transporter and landfill name.
 - 1.7.3.3 Removal Methods: Removal methods to prohibit visible emissions. Specific techniques/procedures for each material to be removed.
 - 1.7.3.4 Air monitoring firm/lab: For conducting/analysis of personal samples.
 - 1.7.3.5 Levels of respiratory protection: Provide levels of respiratory protection for each type of removal (e.g., wall materials, thermal system insulation).
 - 1.7.3.6 Equipment: Equipment assigned to the project.

1.8 CONTRACT TIME:

Contractor shall complete all related work within the allotted time specified after the "Notice to Proceed." (Note: All work will be completed within the timeframe identified by the Rosemead School District).

1.9 INTERRUPTION OF SERVICES:

Interruptions to any services for the purposes of making or breaking a connection shall be made only after consulting with the District or District's Consultant and shall be at such time and of such duration as may be directed.

1.10 SEQUENCE OF CONSTRUCTION OPERATIONS:

Before starting construction operations, Contractor shall confer with the District or District's Consultant to arrange the sequence of the construction operations.

1.11 HOURS OF WORK:

Contractor shall submit an approved work schedule prior to starting related work.

1.12 TEMPORARY FACILITIES:

Water and electric power are available at this site. Contractor shall make arrangements with the District or District's Representative for use of such facilities and shall comply with such requirements and restrictions for their use as may be prescribed.

1.12.1 Parking and Storage Facilities: As directed by the Rosemead School District.

1.12.2 Contractor shall furnish and maintain portable toilet facilities. Toilet facilities shall be in compliance with all applicable local, state, and federal requirements.

END OF SECTION