

SECTION 02 81 00

ENVIRONMENTAL CONDITIONS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply to this Section. Sections that address the mitigation, abatement, or management of contaminated soil or hazardous building materials (HBM) include:

026100	Removal and Disposal of Contaminated Soils
028200	Asbestos Containing Materials
028300	Lead Containing Materials
028400	Lighting and Electrical Components
028500	Refrigerant Containing Systems

1.2 SUMMARY

- A. Prior to the Joe's Grinding building demolition, the Contractor shall remove the contaminated soil in southwest sump. At an appropriate place in the Joe's Grinding building demolition sequence the contractor shall excavate the contaminated soil adjacent to and beneath the southwest sump, and the contaminated soil in the sandblasting media discharge area. Following removal of the Joe's Grinding slab and foundation the Contractor shall remove the identified contaminated soil from beneath the building footprint. Confirmation and waste characterization sampling and analysis will be complete by a third party. Contractor shall transport and dispose of contaminated soil at a 40 CFR Subchapter I and RCRA Subtitle D facility permitted to accept solid waste, or a Resource Conservation and Recovery Act (RCRA) Subtitle C facility permitted to accept dangerous or hazardous waste. Contractor shall refer to Section 026100 for minimum work practices.
- B. Asbestos containing materials (ACM) shall be abated prior to building demolition and consist of surfacing plaster; surfacing on gypsum wallboard walls and ceilings; white ducting and hot water system tape; sheet vinyl flooring and associated adhesive; black 3-tab roofing materials. Less than one percent (%) asbestos containing vermiculite is also present in portions of the attic. Contract shall refer to Section 028200 and the Asbestos Alternate Work Plan for minimum work practices.
- C. Lead containing materials (LCM) are present on various structure components and will be managed concurrent with demolition. The resultant waste comprised of the composite building materials is expected to characterize as solid waste. Contactor shall refer to section 028300 for minimum work practices.
- D. Lighting and electrical components (LEC) consist of predominantly of four-foot and two-foot fluorescent lamps; magnetic ballasts assumed to contain polychlorinated biphenyl (PCB) or other hazardous constituents; mercury containing bulbs; and oil containing transformer; and shall be removed for recycling or disposal prior to demolition. Contactor shall refer to section 028400 for minimum work practices.

- E. Refrigerant containing systems (RCS) consist of roof mounted or attic located heating ventilation and air conditioning system (HVAC) units; refrigerators; and shall be decommissioned or removed for recycling prior to demolition. Contactor shall refer to section 028500 for minimum work practices.

1.3 DOCUMENTS FOR REFERENCE

- A. Refer to the following documents of detailed identified hazardous building materials within each building prepared by Fulcrum Environmental Consulting, Inc. (Fulcrum):
 - 1. *Soil Remediation Work Plan Fruitvale (Joes Grinding) Cleanup 1114 Fruitvale Boulevard, Yakima, Washington, Facility Site ID 29708, Cleanup Site ID 15183*, authored by Fulcrum and dated April 20, 2022.
 - 2. *Sampling and Analysis Plan/Quality Assurance Project Plan Fruitvale (Joes Grinding) Cleanup 1114 Fruitvale Boulevard, Yakima, Washington, Facility Site ID 29708, Cleanup Site ID 15183*, authored by Fulcrum and dated April 20, 2022.
 - 3. *Phase II Environmental Site Assessment, Joe's Grinding Co. 1114 Fruitvale Boulevard, Yakima, Washington*, Fulcrum project number 192913.01, dated February 28, 2020.
 - 4. *Revised Phase I Environmental Site Assessment, 1112 to 1122 Fruitvale Boulevard, Yakima, Washington*, Fulcrum project number 192913.00, dated February 06, 2020.
 - 5. *Asbestos Containing Materials Inspection Report, Residence and Shed 1122 Fruitvale Boulevard, Yakima, Washington*, Fulcrum project 192913.02, dated January 31, 2020.
 - 6. *Asbestos Containing Materials Inspection Report, Joe's Grinding 1114 Fruitvale Boulevard, Yakima, Washington*, Fulcrum project 192913.02, January 31, 2020.
- B. Copies of this report is at the following locations:
 - 1. Yakima Housing Authority, 810 North 66h Avenue, Yakima, Washington
 - 2. Fulcrum Environmental Consulting, Inc., 406 North Second Street, Yakima, Washington
- C. Refer to figures HBM-1 through HBM-5 located at the end of this section for a general representation of HBM locations.
- D. Contractor shall review the work and be responsible for providing a safe work environment for their employees, subcontractors, and site visitors on this multi-employer project.

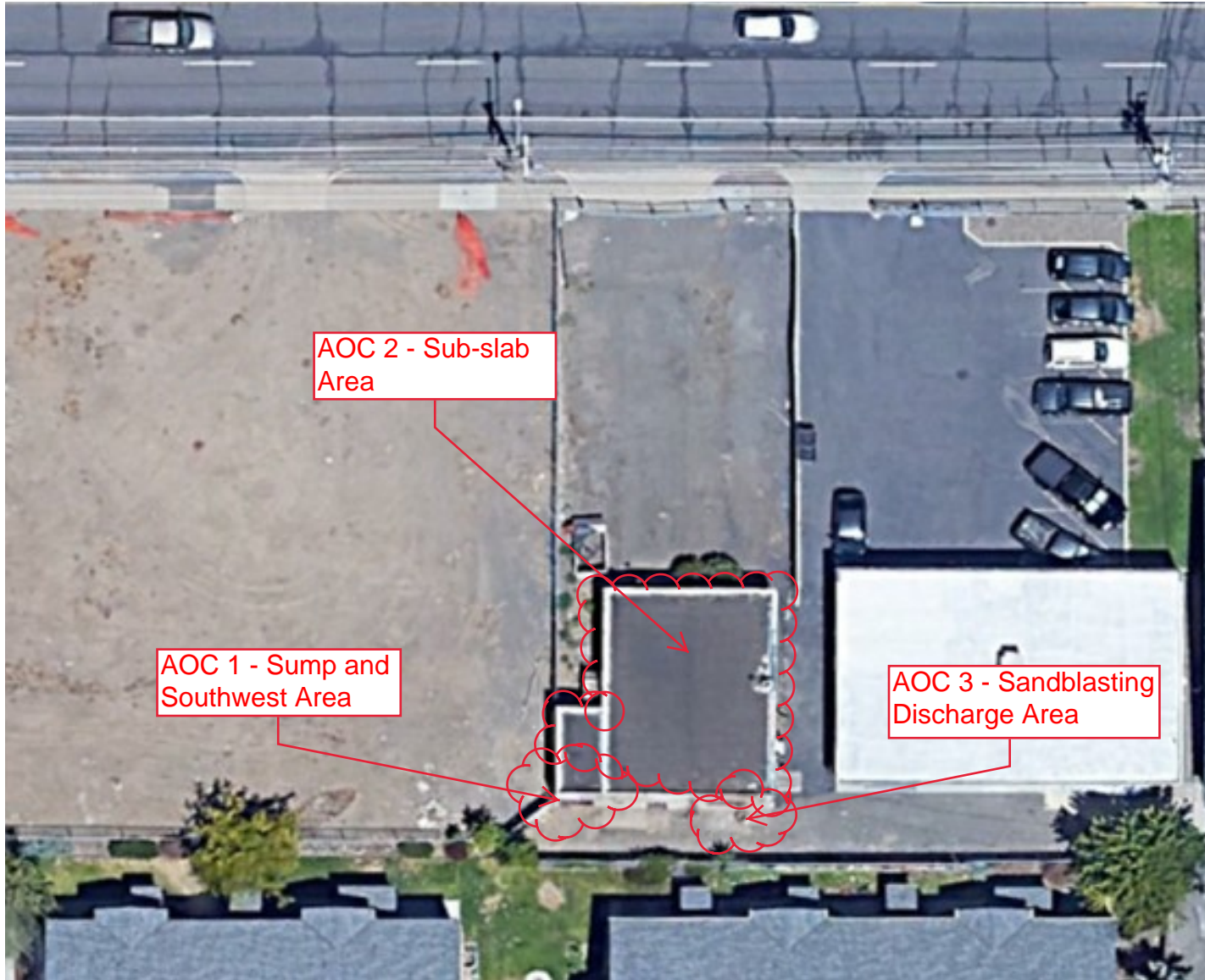
PART 2 PRODUCTS

2.1 NOT USED

PART 3 EXECUTION

3.1 NOT USED

END OF SECTION 028100



128