

LODI UNIFIED SCHOOL DISTRICT

Building Demolition

PROJECT NUMBER: 0917-8217-3

DSA #:N/A

Needham Elementary School

ADDENDUM NO. 1

November 06, 2019

Owner: Lodi Unified School District
1305 E. Vine Street
Lodi, CA 95240

Consultant: Terracon
1466 66th Street
Emeryville, CA 94608

Project Manager: Capital Program Management, Inc.
1851 Heritage Lane, Suite 210
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the drawings and/or specifications for the above referenced project, and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same. It is the obligation of the Prime Contractor to make subcontractors aware of any items herein that may affect submitted bids.

Acknowledge receipt of this addendum by inserting its number and date in the bidding documents. Failure to do so may subject bidder to disqualification.

All addenda items refer to the plans and specifications unless specifically noted otherwise.

TOTAL PAGES IN THIS ADDENDUM (including attachments): 16

LODI UNIFIED SCHOOL DISTRICT

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ADDENDUM NO. 1

PART A - BIDDING AND CONTRACT REQUIREMENTS

- 1.1 The bid date has not changed. Bids are due **Thursday, November 14, 2019 by 2:00:00 p.m.** at the District Facilities Office, 1305 E. Vine Street Lodi California 95240.
- 1.2 Refer to Document 00 73 13 Special Conditions.
 - 1.2.1 Replace Document 00 73 13 -8, in its entirety with attached Document 00 73 13 -8 (See attachment 1.8).

PART B - TECHNICAL REQUIREMENTS

- 1.3 Add specification Section 02 87 00 Universal Waste (UW) Removal and Disposal (Attachment 1.9).

PART C - DRAWINGS

- 1.4 Not used

PART D – RESPONSES TO CONTRACTOR QUESTIONS

- 1.5 Not used

PART E – List of Attachments

- 1.6 Pre-bid Conference & Site Visit Agenda (10-23-19) (1 page)
- 1.7 Pre-Bid Conference & Site Visit Sign-In Sheet (10-23-19) (2 pages)
- 1.8 Special Conditions Document 00 73 13-8 (1 page)
- 1.9 Specification Section 02 87 00 Universal Waste (UW) Removal and Disposal (10 pages)

End of Addendum

Attachment 1.6

Lodi Unified School District
Project No. 0917-8217-3
Needham Elementary School Building Demolition

PRE-BID CONFERENCE & SITE VISIT AGENDA

Date: Wednesday October 23, 2019 **Time:** 3:00 p.m.
School: 0917-8217-3 Needham Elementary School
Bid Date: Thursday, November 14, 2019 by 2:00:00 p.m.

- I. **Meeting Called to Order**
- II. **Introduction of Project Team**
 - A. District Representative, Vickie Brum and Joe Patty, Planning & Facilities
 - B. Capital Program Management, Mark Rosson and Craig Dooling
- III. **Bidding Documents:** Available from District <https://www.lodiusd.net/district/departments/business-services/facilities-and-planning/fp-projects>
- IV. **Contracting Format:** (1) Prime Contract
- V. **Scope of Work Descriptions:** Document 01 11 00 Part 1.02 A Summary of Work and Drawings
- VI. **Engineer's Estimated Construction Budget: \$400,000**
- VII. **Bidding and Contract Award Requirements:**
 - A. License requirement(s): Class A plus C-21 and C-22 or Class B plus C-21 and C-22
 - B. Bid Bond or Certified Check, 10% of bid
 - C. Prevailing Wages - certified payrolls, payroll records and other documents shall be required along with your progress billings: www.dir.ca.gov/dlsr/DPreWageDetermination.htm
 - D. DIR Registration of Contractor & Subcontractors (See General Conditions, Section 0072 13)
 - E. Disabled Veterans Business Enterprise (DVBE – Section 00 45 46.02)
 - F. Bond and Insurance Requirements (See General Conditions, Section 00 72 13)
 - G. Bid Form (See Bid Form, Section 00 41 13):
 1. Completed Forms
 2. No exclusions
 3. No faxes, phone or email bids
 4. Bids good for 90 days
 - H. Pre-Qualified Bid Requirements - <https://pqbids.com/lodi/>
- VIII. **Inspection Procedures:** DSA Project Inspector: NA
- IX. **Limited Pre-Demolition Asbestos and Lead Survey Report:** Exhibit A
- X. **Project Schedule:** See General Conditions, Section 00 01 20
- XI. **Department of Justice (DOJ) Clearance, Badges and Security:** District Protocols
- XII. **Site Information:**
 - A. Contact: Vickie Brum, 209-331-7223
 - B. Site access, temporary facilities, staging areas and parking
 - C. Conduct on school premises
 - D. Contractor's working hours
 - E. Contractor's supervision
- XIII. **Site Visits:**
 - A. Needham Elementary School 420 S. Pleasant Avenue, Lodi, CA 95240
- XIV. **Questions**
- XV. **Adjournment**

Important note: Responses to inquiries and discussions occurring at this pre-bid walk-through shall in no way change or modify the bid documents. The bid documents will be affected only by addenda issued prior to the bid date.

Send written inquiries by October 29, 2019 to: Craig Dooling, craigd@capitalpm.com

Lodi Unified School District
 PRE-BID CONFERENCE AND SITE VISIT SIGN-IN SHEET FOR
 PROJECT NO. 0917-8217-3

Needham Elementary School Building Demolition
 Wednesday, October 23, 2019
 3:00 PM

Company Name & Representative	Company Street Address	Phone #	E-Mail
* Pro Builders Mike Ross	7830 Drywood way Oxnard ca 95612	916-225-0373	Sebastian@SacProbuilders.com
LOCAL 152 CARPENTER Jose Martinez	1421 MOFFAT BLVD MANTECA	(510)517-0841	JMartinez NCLC.ORG
* RESOURCE ENVIRONMENTAL	6634 Schilling Ave Long beach CA 90805	(562)468-7000	www.Chids@Resource-env.com RESOURCEENVIRONMENTAL.COM
* Diade construction inc. Michael Mason	PO Box 1007 Woodbridge, CA 95258	(209) 369-8255	estimating@diadeconstruction.com
MEZA environmental inc Tereso Meza	11A S. Aurora St Stockton CA 95202	209-244-8846	mezaenv@hotmail.com
RES2	4056 Cincinnati Ave. Rocklin, CA 95765	916-299-6370 510-780-6607 cell	elroy@res2inc.com
Harold Williams	5057 College Oaks PR STL	916-256-3899 916-273-0633	Harold.Selectenviro@gmail.com
* STEVE HAY - DLC	PO Box 21807 Stockton CA 95218	209 496 1185	STEVE@DONLAWLFCO.COM

Attachment 1.7

Lodi Unified School District
 PRE-BID CONFERENCE AND SITE VISIT SIGN-IN SHEET FOR
 PROJECT NO. 0917-8217-3

Needham Elementary School Building Demolition
 Wednesday, October 23, 2019
 3:00 PM

Company Name & Representative	Company Street Address	Phone #	E-Mail
* Bowman Engineering Daniel Bowman	4664 S. Cedar Ave Fresno CA 93725	558 233 7464	b.bowmandemo@yahoo.com
* CVE Jeff Wilson	4263 N Selland Ave, Fresno, CA 93722	559-560-9936	jeffw@cvecorp.com
APT LOCATING ADAM ANGLAND	754 LAFAYETTE RD VACAVILLE CA 95687	619.746.5714	ADAM@NORCALLOCATING.COM
PALS inc	4020 Newton rd Stockton CA	510-719-3470	Evan@Palscorp.com
Joe Patty	LUSD	209 ^{T12} 712-6363	jpatty@LodiUSD.NET
* W.C. Maloney Inc	PO BOX 30326 Stockton 95205	209 942-1129	glenn@wcmaloney.com
WEST COAST ENVIRONMENTAL	3181 FITZGERALD ROAD RANCHO CORDOVA, CA 95742	916-852-7200	KEVINWCE@ATT.NET
* JM ENVIRONMENTAL TRIP FLESHMAN	PO BOX 2189 GRANITE BAY CA 95746	916-870-3506	TFLESHMAN@JMENTV.COM
* DOUBLE B Demolition	640 Glen DAK CR FOLSOM CA 95630	916 439 8022	Bob@DOUBLE B Demolition.COM
* P+P Building Wreacking Inc Matt Piro	8589 Florin Rd Sac. CA 95828	916 3836198	pnpino@yahoo.com

13. Preliminary Schedule of Values

The preliminary schedule of values shall include, at a minimum, the following information and the following structure:

Replace provision in the General Conditions with the following provisions:

13.1.1.2.3. The preliminary schedule of values shall not provide for values any greater than the following percentages of the Contract value:

13.1.2.3.1 Mobilization and layout combined to equal not more than [1]%;

13.1.1.2.3.2 Submittals, samples and shop drawings combined to equal not more than [3]%;

13.1.1.2.3.3 Bonds and insurance combined to equal not more than [2]%.

14. Additional Scope of Work

Backfill all excavated areas. Base course aggregate to be California State Specifications, Section 26, Class 2 aggregate base (3/4" max.). Compact at 95% to match existing grade, which will be tested by special testing lab. Do not lay base course on muddy subgrade or during wet weather.

15. Work Performed by District

15.1.1 Removal of Freon from HVAC unit(s).

15.1.2 Removal of oil in compressor HVAC unit(s).

15.1.3 Disconnect of existing PG&E meter.

15.1.4 Removal of overhead wires to building.

END OF DOCUMENT

Attachment 1.9

SECTION 02 87 00

UNIVERSAL WASTE (UW) REMOVAL AND DISPOSAL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The General Conditions and Division I General Requirements shall be included in and made part of this Section.
- B. Examine all other Sections of the Specifications for requirements therein affecting the work of this Section of the Specifications.

1.2 COMPLIANCE AND INTENT

- A. This Section specifies requirements for removal of Universal Waste (UW) from the instructional materials building complex located on the Needham Elementary School Campus located at 420 South Pleasant Avenue in Lodi, California.
- B. The Contractor shall coordinate all work with the specifications and drawings. During all work, provide monitoring and worker protective equipment in accord with the California Occupational Safety and Health Administration (Cal-OSHA) and as required by this section and all other sections of the Specifications. Where applicable, the building owner (Lodi Unified School District, hereafter designated the District) may require internal policies that are more restrictive than current regulations or specifications. Where there is conflict, the most stringent requirement shall apply.
- C. The work covered by this specification includes the removal of UW including, but not limited to fluorescent light tubes, HID bulbs, and batteries, and charged HVAC Units.
- D. All work shall comply with Environmental Protection Agency (EPA) rules and regulations governing UW: 40 CFR 273, as published in the most recent edition of the Federal Register. Additionally, all work and work-related practices shall comply with applicable Federal, State and local rules and regulations including, but not limited to, the California Department of Industrial Relations, California Code of Regulations (CCR) Title 8, Division 1, Chapter 4; Department of Health Services, CCR Title 22, Division 4.5 and California Health and Safety Code, Division 20. Where conflicts occur, compliance shall be based upon the most stringent requirements.
- E. Workers involved in the removal of UW shall have received specific training on the hazards, appropriate personal protection and decontamination procedures associated with UW.
- F. Furnish all labor, materials, facilities, equipment, services, employee training, medical monitoring, permits and agreements necessary to perform the work required for UW removal and disposal in accordance with this specification.
- G. Perform all work specified herein with competent persons trained, knowledgeable and qualified in state-of-the-art techniques relating to UW removal/disposal and the subsequent cleaning of any potentially contaminated areas.
- H. Perform appropriate waste profile testing for all UW waste as required by this specification, the regulations, and the selected disposal/recycling facility. All testing shall be done in the presence of the District or the District's designated representative. Chain-of-custody forms shall be provided to the District within one (1) day following sample delivery to the laboratory.
- I. During removal activities, the Contractor shall protect against contamination of soil, water, plant life, adjacent building areas, and shall ensure that there is no release of hazardous materials.
- J. It is the Contractor's responsibility to determine the quantities of UW required for removal to facilitate the planned demolition.

- K. UW removed during the abatement activities shall be handled, transported and disposed/recycled in an approved manner complying with all applicable federal, state, and local regulations.

1.3 DEFINITIONS

- A. Certificate of Disposal: The document provided to the generator certifying that the UW wastes were disposed/recycled in strict accordance with all applicable Federal, State and Local regulations.
- B. Chain-of-Custody: A legal concept involving documentation of the physical possession of a sample/samples from the moment it is collected, transported, analyzed, and ultimately stored in an archive.
- C. Competent Person: One who is capable of identifying existing and predictable hazards and who has the authority to take prompt corrective measures to eliminate them.
- D. Decontamination Area: Area which is constructed to provide the means for workers to store clothing, equipment and other articles, and to properly remove contamination upon concluding work activities that result in exposure to these hazardous materials.
- E. Decontamination Unit: Refers to system of airlocks used to decontaminate personnel, waste bags, equipment, etc. when exiting the work area. A decontamination unit shall be set up for each containment area.
- F. District: Lodi Unified School District
- G. DOP: Dioctylphthalate, the challenge aerosol used to perform on-site leak testing of HEPA filtration equipment.
- H. Equipment Decontamination Enclosure System: A decontamination enclosure system for materials and equipment, typically in a designated area of the work area, and including a washroom, a holding area, and an uncontaminated area.
- I. HEPA: High Efficiency Particulate Air filter capable of filtering out airborne particulate 0.3 microns or greater in diameter at 99.97 percent efficiency.
- J. Manifest: The document authorized by both Federal and State authorities for tracking the movement of hazardous wastes.
- K. Powered Air Purifying Respirator (PAPR): A full facepiece respirator that has the breathing air powered to the wearer after it has been purified through a filter.
- L. Respirator: A device designed to protect the wearer from the inhalation of harmful atmospheres.
- M. Returned Manifest: An original duplicate copy of the manifest provided to the waste generator within forty-five (45) days of the transport date which acknowledges the receipt of the material at the disposal facility.
- N. Visual Inspection: A visual inspection by of the work area under adequate lighting to ensure removal of all UW and that the work area is free of visible material, debris, and dust.

1.4 UNIVERSAL WASTE

- O. The following UW must be removed prior to demolition of lighting fixtures, emergency egress equipment, and mechanical equipment: Mercury containing fluorescent tubes, Exterior HID Equipment, Exit Signs, Batteries and any other Universal Wastes Impacted by building demolition activities.

1.5 SUBMITTALS PRIOR TO START OF WORK

- A. The reviews by the District or the District's designated representative are intended to be only for general conformance with the requirements. The District or the District's designated representative assumes no responsibility for permits, licenses, notices, materials and methods, equipment or temporary construction required to execute the work described in this Section of the Specification or in other Sections of the Specification or in other documents included in the contract documents.
- B. The following items shall be submitted to and approved by the District or the District's designated representative before commencing work involving the UW and regulated waste.
 - 1. Provide a detailed work plan for UW removal, temporary storage, and disposal. See Attachment A.
 - 2. Provide a site safety plan for UW removal prior to project initiation. The site safety plan shall deal with, at a minimum: personal protective equipment; site safety and health hazards; UW and regulated waste spills; control of water leakage or discharge within and/or from the work area; medical emergency; materials handling procedures; Contractor's internal administrative and inspection procedures; earthquakes and/or fire emergency procedures; protocol for responding to complaints or questions from interested parties; 24-hour emergency telephone numbers for individuals with authority to respond to emergencies.
 - 3. Workers: Demonstrate education and specialized training in the handling of regulated and UW.
 - 4. Licenses: Submit copies of state and local licenses, evidence of Cal-OSHA registration and permits necessary to carry out the work of this contract.
 - 5. Safety Data Sheets (SDSs)/Specification Sheets: The Contractor shall submit SDSs and Specification Sheets for all materials and equipment to be used for this project.

1.6 SUBMITTALS AT COMPLETION OF PROJECT

- A. Upon completion of on-site work, Contractor shall provide a detailed project summary that will include each of the items listed below. The project Summary shall be submitted and approved by the District or the District's representative and shall include the following:
 - 1. Copies of the Security and Safety Logs showing names of persons entering the work areas. The logs shall include date and time of entry and exit, supervisor's record of any accident (detailed description of accident).
 - 2. Emergency evacuations and any other safety or health incident.
 - 3. Waste disposal documents.
 - 4. Project Summary including, but not limited to, the following: location and approximate quantity of UW removed, waste hauler certifications, waste disposal/recycling facilities, dates of commence and completion of on-site work.

2.1 PLASTIC SHEETING:

- A. Use fire-retardant (FR) polyethylene (poly) film.
 - 1. Thickness - 6-mil, minimum, NO EXCEPTIONS.
 - 2. Flame Resistance/Flame Spread Rate <25.
 - 3. Conforms to NFPA #701 and Tested in accordance with ASTM E-84.
 - 4. Spray adhesive for sealing polyethylene to polyethylene shall contain no methylene chloride or methyl chloroform (1,1,1-trichloroethane) compounds.

2.2 VACUUM EQUIPMENT:

- A. All vacuum equipment used in the work area shall use HEPA filtration systems and be of the wet-dry type. The Contractor shall provide on-site independent DOP testing to document the effectiveness of the vacuum units. The test results shall be signed by the individual performing the testing.
- B. HEPA-rated vacuums **shall not** be used for mercury spill cleanup unless equipment with an activated charcoal filter and designed for capture of mercury vapor. Vacuum exhaust must be

monitored with a direct read mercury vapor meter to verify the air quality of the vacuum discharge air.

2.3 MATERIALS AND EQUIPMENT:

A. Storage Containers:

1. All UW fluids, UW-contaminated fluids, including flush and cleaning solvents and mixtures, shall be stored in sealed DOT 17E closed top drums or other waste container approved for storage of these materials.
2. All UW solid wastes and items including disposable items used in the course of the work such as rags, absorbents, protective clothing, etc., shall be stored in sealed DOT 17C open type drums or other waste container approved for storage of these materials.
3. Any UW Article Container, other than approved DOT drums, specified in this specification, intended for storage, shall be submitted to the District or the District's designated representative for approval.

B. Solvents, Cleaning Agents and Absorbents:

1. Solvents: An appropriate solvent in which UWs are shown to be soluble in. Care should be taken to limit the complexity of the waste stream. In all cases where solvents are used in the course of work, proper ventilation shall be provided by the Contractor to insure that resulting fumes/vapors are not dispersed beyond the work area. The manufacturer's recommendations for application and requirements of Cal-OSHA shall be strictly observed.
2. Cleaning Agents: An appropriate cleaning agent in which UWs are shown to be soluble in. Care should be taken to limit the complexity of the waste stream. Numerous, non-toxic, cleaning agents shown to meet or exceed the solubility requirement above are commercially available. In all cases where cleaners are used in the course of work, proper ventilation shall be provided by the Contractor to ensure that resulting fumes/vapors are not dispersed beyond the work area. The manufacturer's recommendations for application and requirements of Cal-OSHA shall be strictly observed.
3. Absorbents: "Safestep" as manufactured by Andesite of California, Inc., or approved equal.

PART 3 - EXECUTION

3.1 SAFETY PROCEDURES AND WORKER PROTECTION

- A. Take all precautions and measures required to protect employees, inspection personnel, the District's on-site personnel, and the general public from exposure to regulate waste and UW solids, liquids and vapors.
 1. All personnel authorized for entry in work areas shall be instructed in the proper procedures for working with or around electrical hazards, regulated waste, and UW containing/contaminated materials.
 2. All electrical equipment upon which UW related activities are to be performed shall be de-energized, locked out/tagged out and permanently disconnected from any power source prior to the commencement of the work.
 3. Consumption of food or tobacco products shall not be permitted in any of the project work areas where regulate waste, UWs, volatile solvents and/or other hazardous materials are present. Additionally, no open flames will be permitted in these same areas. Signage to this effect shall be provided for each work area.
 4. The Contractor performing the work of this Contract shall develop, together with applicable subcontractors, a contingency plan covering accidental UW spills and work exposure to UWs. The plan shall be submitted to the District or the District's designated representative prior to commencing UW-related work. The submittal shall also include a separate section to describe the hauler's spill contingency plan and avoidance procedures.

- B. Work Area Protection and Marking: Prior to commencing any UW-related work activities provide barricades and warning signs to clearly identify and effectively guard against unauthorized entry into the work areas.
 - 1. Place barricades to maintain a minimum of 25 feet from all perimeters of the work being conducted to the barricades, where feasible.
 - 2. All equipment such as tools, containers, etc., shall be confined to the work area until work is complete, containers are sealed and equipment properly decontaminated and safely stored for transport.
- C. Protective Clothing and Equipment: At all times when regulated waste and UW fluids or mixtures in any volume are not sealed in drums, containers or electrical equipment, workers shall wear:
 - 1. Gloves impermeable to the specific regulated waste or UWs and the solvent and/or clean up agent in use.
 - 2. Disposable, full body suit, impermeable to both UWs and the solvent and/or clean up agent in use.
 - 3. Appropriate eye protection to ensure that eyes are protected from liquid splatter or exposure to concentrated vapors or fumes.
 - 4. Respiratory protection appropriate for the concentration of the hazardous material(s) and atmosphere present. Supplied air must meet requirements for Grade D air, at a minimum.
 - a. The Contractor shall provide protective clothing, eye protection, and breathing apparatus as required for authorized inspection personnel upon request.
 - b. Cleanup of broken mercury containing products such as light tubes and thermometers (mercury vapor producing materials): NIOSH-approved, half-face respirators with double stack Mercury Vapor/HEPA cartridges.
- D. Personnel Protection and Procedures: The regulated waste or UW work area shall at no time be left unattended from the commencement of removal work and until all UWs and incidentals have been sealed in approved containers. If immediate transportation to the regulated waste or UW storage facility or disposal facility is not feasible the work area must be secured in a manner approved by the District or the District's designated representative.
 - 1. During work procedures and at all times when regulated waste or UW containing/ contaminated fluids in any volume are not sealed in drums, containers or electrical equipment, all personnel entering the regulated work area must don protective clothing and equipment. Upon exiting the work area, all disposable protective clothing shall be placed in appropriate waste storage drums and sealed, for subsequent transportation to the on-site storage facility or disposal facility.
 - 2. Workers with cuts or scratches shall seal these wounds sufficiently to prevent accidental contact of the hazardous materials within the regulated work area prior to entering the regulated work area. Similarly, workers who accidentally incur minor cuts or scratches in the course of work activities shall immediately leave the work area, cleanse the wound with medical grade soap and seal the wound before returning to the work area.

3.2 SPILL CLEAN-UP, CONTAINERIZATION AND MARKING

- A. Clean-up of Work Area, UW Articles and Spills:
 - 1. Equipment and Tools: After the last regulate waste or UW has been removed and all fluids and solids cleaned from fixture, all tools and equipment used in the work shall be decontaminated and properly stored for reuse. All tools that may have come in contact with regulated or UW at any concentration shall be thoroughly double washed/rinsed with an appropriate cleaning agent, wiped clean and properly stored.
 - 2. UW Contaminated Articles: All exterior surfaces of equipment that may have come in contact with UW or regulated waste or contaminated solids or fluids either during the course of work activities or due to past leaks shall be double washed/rinsed, at a minimum, with an appropriate cleaning agent and wiped clean.
 - 3. Solid Impenetrable Surfaces: All metal surfaces and surfaces with impervious liners which have come in contact with regulated waste, UW or UW mixtures in the course of the work or as a

result of past leaks shall be thoroughly cleaned using a combination of absorbents and solvents or cleaning agents. Minimum cleaning requirements for these surfaces include removal of bulk material and two rinses with the cleaning agent of the surfaces, which come in contact with UW or UW mixtures in the course of the work or as a result of past leaks. The work area shall be effectively ventilated during operations such that vapors used in decontamination and cleaning are not vented to occupied building areas. Upon completion of UW-related activities, if fumes or vapors are still present in levels, which could impede breathing or be considered toxic under State and/or NIOSH standards, the Contactor shall provide additional ventilation to accelerate drying. Auxiliary breathing apparatus may only be used by personnel trained in the use of this equipment and experienced in conducting electrical work while wearing equipment, which could impede safe work practices.

4. Soils and Porous Materials: The U.S. EPA, Region IX, regards soil, asphalt, wood, cement and concrete as porous materials that absorb UW. Where practicable, these materials must be removed when they are within the spill or contamination boundary.
5. Decontamination Verification: Completion of decontamination activities will be verified by the District or the District's designated representative.

B. Containerization and Marking:

1. All liquid generated as a result of work activities and cleanup operations shall be placed in appropriate waste containers and the containers sealed.
2. All solids such as absorbents, rags, disposable protective clothing, soils, and other incidentals shall be placed in appropriate waste containers and the containers sealed.
3. All drums shall be permanently marked as to specific contents and dated. In addition, each drum (and container) shall be marked with the standard EPA, UW, ML label (40 CFR 273) and hazardous waste label (40 CFR 262).

3.3 HANDLING AND TRANSPORTATION TO STORAGE FACILITIES

- A. Drums: All closed and open top drums must be permanently sealed and marked prior to loading on transport vehicle. Filled drums shall be loaded on the transport vehicle by any of the following methods.
1. Hoist or lift truck utilizing a two-point drum lifter
 2. Hoist or lift truck provided with a band-around type drum lifter
 3. Lift truck lifting the drums from underneath by a pallet attached to the drum by a banding arrangement.
- B. Drums shall not be lifted by the following methods.
1. Any rope, chain or cloth slings tied about the drum.
 2. Placement of drums on bare lift truck forks.
 3. Forcing drums between forks of a lift truck.
 4. Any commercial drum lifters exerting force of the sides of a drum.
- C. All drums or article containers shall be secured to the transport vehicle to prevent movement in transport.

3.4 TRANSPORTATION TO DISPOSAL FACILITY

- A. General: All regulated waste and UW Articles removed and all drums containing liquids, solids and incidentals shall be transported to the off-site regulated waste/UW approved and permitted recycling/disposal facility.
1. The Contractor performing the work of this section shall be licensed for the transportation and hauling of extremely hazardous wastes. The Contractor shall provide a route plan, which clearly identifies the routes proposed while transporting UW items from the work site to the off-site facilities.
 2. A minimum of two operators shall be in attendance at all times when UW items are being transported, loaded, and unloaded.

- B. The rules in this section apply to each motor carrier engaged in the transportation of hazardous materials by a motor vehicle, which must be marked or placarded in accordance with DOT 177.
- C. Every motor vehicle transporting or storing Articles and items containing regulated or UWs or hazardous materials must be operated in compliance with the laws, ordinances and regulations of the state jurisdiction of which it is being operated in, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle which impose a more stringent obligation or restraint.
- D. Unless there is no practicable alternative, a motor vehicle which contains regulated or UWs or hazardous materials must be operated over routes which do not go through or near heavily populated areas, places where crowds are assembled, tunnels, narrow streets, or alleys. Operating convenience is not a basis for determining whether it is practicable to operate a motor vehicle in accordance with this paragraph.
- E. No person may smoke within 25 feet of any Contractor's vehicles, which contains flammable materials (flushing solvents), or an empty tank motor vehicle, which has been used to transport flammable materials.
- F. When a motor vehicle, which contains hazardous materials is being fueled its engine must not be operated.
- G. Motor vehicles transporting regulated, UWs, or hazardous materials must have all containers properly secured in place to ensure that no equipment items or containers can be loose or unsafely placed into the transport vehicle. This may include chaining, roping or strapping and winching. Any equipment, drums or other Articles carried in an open, flatbed or stake type truck shall be covered with a tarp to protect it from the elements.
- H. A motor carrier that transports hazardous waste must furnish the driver of each motor vehicle in which the waste is transported with the following documents.
 - 1. A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons to be contacted, and the substances of the hazardous wastes being transported, and the precautions to be taken in emergencies such as fires, accident or leakages.
 - 2. Manifest and permit documents described in this specification and required for waste transport.
- I. A motor vehicle being operated must be marked if that vehicle is transporting UWs or hazardous materials of a kind that require the vehicle to be marked or placarded in accordance with DOT 177.

3.5 UW DISPOSAL

- A. The Contractor shall treat and dispose of all collected UW wastes collected and generated during the execution of this Contract including Articles, fluids, etc. set forth in Section 1.04 of this specification.
- B. Except as may be otherwise specifically directed by the District or the District's designated representative, the Contractor shall treat and dispose of regulated and UW materials as governed by 40 CFR 273, California State regulations, local regulations and subsequent amendments.
 - 1. By incineration or recycling at a facility approved for such use by the U.S. EPA, and all other controlling regulatory agencies and bodies of the state, county and municipality of that facility's location all UW fluids, flushing fluids, and other UW contaminants. If the Contractor so elects, waste contaminated solids may also be incinerated as suitable and allowed for this type of disposal.
- C. All UW and regulated wastes generated as part of these operations will be disposed of by the Contractor in a legal manner.
- D. The Contractor shall not sell, transfer or recover any material from the wastes received from the District without their prior written consent.

3.6 MANIFESTS AND RECORDS

- A. The Contractor shall provide the District or the District's designated representative with a compliance certificate verifying that all waste received by it has been properly treated and disposed.
- B. The Contractor shall provide the District or the District's designated representative copies of all manifests, permits or other documents currently in effect relating to the specific UW wastes to be transported, treated and disposed hereunder except as otherwise stated in this Section. The Contractor shall also promptly furnish to the District or the District's designated representative copies of all new or renewal permits or other documents applicable to this agreement as soon as the Contractor receives same.
- C. The Contractor shall furnish complete State of California Hazardous Waste Manifests (or the Uniform Manifest – 40 CFR Parts 260, 262, 271 – if effective at time of preparation) for all UW Articles to be collected from the facility at which the removal and decontamination occurred. The District or the District's designated representative shall sign the manifests. These manifests shall accompany the waste loads to disposal and be properly completed by the hauler and disposal agent as required by Federal and State hazardous waste management law. The final manifest shall then be returned by registered mail to the District or the District's designated representative within the designated time period specified by Federal law.
- D. It shall be the responsibility of the District or the District's designated representative to finalize their UW records regarding the removal and final disposition of UW.
- E. The contract work will not be considered complete until the District or the District's designated representative receives certifications of incineration (for fluids), disposal, and/or recycling.

3.7 PLACEMENT IN STORAGE AND RECORDS

- A. Transport vehicles shall be unloaded utilizing the same equipment and methods as for loading.
- B. Drums and Articles shall be placed in the storage facility in locations as directed by the District or the District's designated representative.
 - 1. Articles shall be placed such that ample clearance is provided around equipment to facilitate future inspection.
 - 2. Drums shall be placed on pallets of sufficient strength to withstand double stacking. Drums shall not be stacked at time of storage unless space is limited as determined by the District or the District's designated representative. Where stacking of drums is necessary, pallets shall be placed between the drum layers.
 - 3. Immediately following unloading of the regulated or UW transport vehicle, the cargo area shall be inspected to check for fluid leaks. If any fluids are found, the source of the leaking drum or items shall be identified and sealed. The contamination cargo area shall be thoroughly double washed/rinsed clean with absorbents, solvents and liquid cleaner. Cleaning agents, solvents and solids shall be placed in proper drums for disposal.
- C. Records: Upon completion of all regulated and UW work related activities the Contractor shall provide a complete record of such activities and storage data to the District or the District's designated representative. The record shall include the following data:
 - 1. Name of the firm performing the work of this Section and technician in charge.
 - 2. Drum sizes (30 or 55 gallon)
 - 3. Identification of contents (liquids, flushing solvent, cleaning solvents for solids, rags, absorbents, soil, etc.)
 - 4. Weight in kilograms and gallons of contents of each drum or container.
 - 5. Date placed in storage.

END OF SECTION

**ATTACHMENT A
UNIVERSAL WASTE WORK PLAN OUTLINE**

In accordance with the contract documents, the Contractor is required to prepare a written, site-specific Universal Waste Work Plan, and submit to the District for approval prior to start of work. This plan is required for the contractor to meet Cal-OSHA requirements as well as the contract documents, and shall describe work procedures and control methods that will protect the District's facilities and the environment.

I. Location of Work:

The work to be completed under this work plan will be completed at:
(Building name)
(Location within building)

II. Description of Work:

Describe the anticipated work scope

III. Schedule:

Phase/Task	Anticipated Date(s)
Mobilization	_____
Set-up of work area(s), containments	_____
Abatement	_____
Final Cleaning	_____
Visual Inspection	_____
Teardown	_____
Demobilization	_____

IV. Equipment and Materials

List all equipment and materials to be used, such as the following:

HEPA Vacuums	Gloves
Hand tools	Manometers
Solvents	Cleaning Agents
Absorbents	Airless sprayers/compressors
Respiratory Protection	Disposable coveralls
Eye & foot protection	

V. Crew

List all workers and supervisors with emergency contact names and phone numbers.

Clearly identify the supervisor and competent person who has authority for all safety and health.

VI. Control Measures and Work Practices

Describe in a narrative format specific work procedures, exposure/ contamination controls, and engineering controls.

VII. Respiratory Protection and Protective Clothing/Personal Protective Equipment

List all respiratory protection including types and manufacturers which are anticipated for this project. Identify the phases of the project for which respirators will be required or likely to be required. List all personal protective equipment anticipated to be used on the project.

VIII. Decontamination/Hygiene Facilities

Identify the types and locations of decontamination or hygiene facilities to be used on this project. Specify use of disposable towels, soap, hot and cold water, and other supplies. Specify the required use of the facilities, including use of the facilities prior to eating, drinking, smoking and before leaving the project site. Describe handling or treatment of solid waste and wastewater.

IX. Air Monitoring Data

Identify general worker air monitoring protocols to be followed on this project, including worker category classifications, frequency of monitoring, anticipated laboratory to be used for analysis, pump calibration techniques, etc. Identify the competent person responsible for conducting personal air monitoring.

X. Containment Diagram

Include a diagram (hand written is acceptable) of the containment(s) showing the containment perimeter in relation to the surrounding areas and decontamination areas.

XI. Waste

Describe how all waste on this project will be packaged, labeled, stored, transported, manifested and disposed

XII. Preparation of Universal Waste Work Plan

Date Prepared and Prepared By (signature, name and title)
