

This handout provides guidance regarding Planning and Engineering Division design requirements for solid waste enclosures.

Design requirements for solid waste and recycling handling are governed by Building and Fire Codes, and by local agency ordinances and zoning requirements. The design criteria described herein are meant to supplement these code and ordinance requirements.



Note: Hazardous waste should be handled in accordance with legal requirements established in Title 22, California Code of Regulations and is not addressed in this document.



All proposed waste enclosures will require City review and approval (Planning and Engineering Divisions) prior to building permit issuance. The following information is provided to assist you through this process.

**The following should be taken into consideration when designing your solid waste and recycling enclosure:**

## **PLANNING DIVISION**

### **Zoning Ordinance:**

A waste storage area screened on all sides by a six-foot high solid wood or masonry wall, or located within a building, shall be provided before occupancy for all uses other than a single-family residence or duplex. Prior to receiving building permits, City design review of waste enclosures is required; please contact Planning staff for more information.

### **Design Considerations:**

Locations, horizontal dimensions, and general design parameters of waste storage areas shall be as prescribed by the Architectural Review Commission and the Citywide Design Guidelines. The following design guidance is provided below:

- All trash containers must be located in enclosures (PHMC Section 18.50.070). Typically, for any enclosed area, 40% of the floor space should be allocated for trash, 40% for recycling and 20% for organics. Where an enclosure will contain both carts and bins, an area that is 150% of the sum of bin and cart footprints is recommended.
- Waste enclosures should be designed to accommodate all site trash containers and be conveniently accessible by collection trucks and include sufficient space to move bins and carts as needed by users.
- Enclosures should be in rear or side yards.
- An enclosure pad should be provided that is durable enough (e.g. reinforced concrete pad, reinforced paving) to withstand collection activities in front of and within enclosures.
- Waste enclosures should screen trash containers on all 4 sides to the full height of the container, consistent with PHMC Section 18.50.070. Enclosure gates should be equipped with a mechanism (e.g. self-latching/self-closing gates) to secure the doors in the open and closed position. Enclosure should be covered to prevent storm water contamination.
- The style, material and color of enclosures should be similar to those of the main structure.
- Enclosures with grease collection containers should ensure adequate space for all service containers and should ensure interior ground surfaces are free of slip hazards.

**ENGINEERING DIVISION PROVISIONS**

Wastes from multi-residential, commercial and light industrial sites are hauled by a commercial carrier(s) that may have design or access requirements for waste storage areas. The design criteria listed below are recommendations and are not intended to be in conflict with requirements established by the waste hauler(s). The waste hauler should be contacted prior to the design of your site solid waste and recycling collection area. Conflicts or issues should be discussed with City staff.



- Surfacing
  - Construct the storage area base with a material impervious to leaks and spills
  - The enclosure pad shall be the same elevation as the apron threshold.
  - Concrete apron at the approach and the apron shall extend ten (10) feet from the enclosure pad and be the width of the enclosure opening.
- Roof.
  - All solid waste and recycling area enclosures that are not located inside a building shall have roofs to prevent contaminants from washing into the storm drain system. The lowest part of the ceiling cannot be lower than nine (9) feet high. The roof shall extend past any open sides. Additionally, the roof shall not overhang the front gate so that the garbage trucks can access the bins.
  - The ground on all other sides of the structure shall be sloped away from the structure.
- Storage inside the enclosure
  - The enclosure is for the storage of solid waste, recycling, organics and grease containers only.
- Waste Water Pollution Prevention
  - Solid waste and recycling enclosures may be required to have a drain connected to the sanitary sewer and a hose bib for periodic wash down.
  - The applicant must contact the Central Sanitary District for specific sanitary sewer connection and discharge requirements. Sanitary sewer connections and inclusion of a grease or sand/oil interceptor shall be in accordance with Central Sanitary District standard specifications.
- Enclosure Location and Accessibility
  - All enclosures should have direct access for collection trucks during normal solid waste, recycling and organics collection days and hours.
  - A pedestrian entrance shall be provided for all enclosures. All pedestrian doors shall open outward to avoid interfering with placement of, and access to, containers.
  - An accessible path of travel shall be provided from the main building to the pedestrian entrance door described above.

Applicants shall coordinate the trash enclosure location and the size of the enclosure with the trash hauler and contact potential outside agencies that may have input on the enclosure to ensure adequate capacity to serve the proposed use and construction details that meet the current City Standards. These outside agencies are noted below:

<u><i>Republic Services</i></u>	<u><i>Central Sanitary District</i></u>	<u><i>Contra Costa County Env. Health</i></u>
(925) 685-4711	(925) 228-9500	(925) 692-2500
441 N. Buchanan Cir. Pacheco, CA 94533	5019 Imhoff Place Martinez, CA 94533	2120 Diamond Blvd. #200 Concord, CA 94520



Once the City Planning and Engineering Divisions have approved the waste enclosure, a building permit is required by the City Building Division to ensure Building Code requirements are satisfied. For additional information regarding submittal requirements, please contact the Planning Division at 925-671-5209, the Engineering Division at 925-671-5265 or the Building Division at 925-671-5200.