

SECTION 32 33 23
WASTE RECEPTACLES
Design Standard

PART 1 GENERAL

1.1 PURPOSE

- A. San Mateo County Community College District is committed to providing world-class educational facilities for its faculty, staff and students. This goal would be unfulfilled without emphasizing that the exterior environment is part and parcel to the educational experience. The campus exterior is not just the space left over between the buildings nor is it simply the void between the buildings and the parking lots. The design of the entire campus experience must be thoughtfully considered to achieve this goal.

The purpose of this design standard is to ensure consistency in the provision of a family of exterior and interior waste receptacles at each campus, which are functionally and aesthetically appropriate to each college's environment. By standardizing waste receptacles and equipment, the District can streamline system maintenance, reduce costs, and better support the district's Zero Waste Goals. Standardized waste receptacles and signage is a critical part of education and communication for proper waste diversion. Waste receptacles should be placed in centralized and visible areas that experience high foot traffic or are near areas where visitors are likely to have waste to dispose of. By centrally placing waste bins the district can encourage proper disposal of items while emphasizing the district's commitment to ecologically, socially, and economically responsible waste management.

PART 2 PRODUCTS:

2.1 OUTDOOR WASTE RECEPTACLE SELECTION CRITERIA

- A. Ergonomics: Select receptacles with hinged side opening, for ease of emptying. Maintenance personnel must not be required to lift heavy lids or contents in order to empty the receptacle.
- B. Durability: Select receptacles whose materials and construction will withstand the rigors of the outdoor environmental conditions as well as decades of use and abuse on a college campus. Features should include but are not limited to:
1. Side-opening style, so that rainwater does not fill the receptacle
 2. Integrated liner container
 3. Construction of cast aluminum sides and door; spun aluminum top; cast iron base
 4. Stainless steel door hinges, latches and other dynamic components
 5. All metal should be finished to resist rusting, chipping, peeling and fading
 6. Finishes should be repairable and maintainable, in the event of minor damage such as vandalism.
- C. Sustainability: Select receptacles with recycled material content of 60% or greater, of which 35% or greater is post-consumer and 20% or greater is postindustrial. The materials should be 100% recyclable. The finishes should contain no heavy metals and must have extremely low VOCs, and must be HAPS-free.

- D. Coordination with other site furnishings: The waste receptacles should match or complement other site furnishings, to avoid a hodge-podge or mismatched appearance. Since each college has existing trash and litter receptacles, each design professional must consult with the District Project Manager to ascertain the replacement or complementing strategy to be employed for trash and recycling receptacles on a project by project basis.

2.2 INDOOR WASTE RECEPTACLE SELECTION CRITERIA


- A. Ergonomics: Select receptacles with hinged side opening, for ease of emptying. Maintenance personnel must not be required to lift heavy lids or contents in order to empty the receptacle. For Slim Jim style bins select receptacles with venting channels for ease of liner removal.
- B. Sustainability: Select receptacles with recycled material content of 60% or greater, of which 35% or greater is post-consumer and 20% or greater is postindustrial. The materials should be 100% recyclable. The finishes should contain no heavy metals and must have extremely low VOC's, and must be HAPS-free.

2.3 LOCATING RECEPTACLES

- A. As identified in each campus sustainability plan, waste receptacles should always be located together. Blue, green, and black or grey lids with durable signage should be provided to clearly identify the waste receptacle.
- B. Consult with the District Project Manager and Sustainability Team to determine the quantity and location of receptacles on a project by project basis.

2.4 SIGNAGE CRITERIA

- A. Each waste stream should be represented by the following colors: landfill by grey or black, recycling by blue, and compost by green.
- B. Each sign should have the associated waste stream labeled in words and show the district designated logo as follows:

- a.  for Landfill
- b.  for Recycling
- c.  for Compost

- C. Each sign should have the specific campus logo and District Facilities logo represented
- D. Items that belong in each stream and that are popular items sold or brought onto campus should be represented on each sign. Items should be clearly visible and portrayed in color.
- E. Contact the District Project Manager and Sustainability Team to obtain the current signage developed by the Zero Waste team to ensure that correct and consistent information is present. Signage should be consistent across the district.

- F. Signage should be printed on sturdy polyethylene material (or some other alternative approved by SMCCCD) and mounted above the correct receptacle, unless otherwise determined by District Project Manager and/or Sustainability Manager.

2.5 PREFERRED RECEPTACLES

	Main Campus – Indoor areas	Indoor low traffic areas	Main Campus - Outdoors	Parking Lots & Perimeter
Cañada	Clean River “IMSF – 3”	Rubbermaid “Slim-Jim with venting channels” or “Deskside container”	Landscape Forms “Chase Park”	Forms + Surfaces “Cordia”
CSM	Clean River “IMSF – 3”	Rubbermaid “Slim-Jim with venting channels” or “Deskside container”	Landscape Forms “Chase Park”	Forms + Surfaces “Cordia”
Skyline	Clean River “IMSF – 3”	Rubbermaid “Slim-Jim with venting channels” or “Deskside container”	Clean River Excel Dome Top outdoor bin (XD35-2 or 3 stream)	Wausau TF1029

- A. Note that Skyline’s preferences differ from the other campuses, due to the challenges of the marine influence on their campus.
- B. Pictures and specifications follow below.
- C. Note that the 3 campuses have both clay and raven black colored bins in “Main Campus – Indoor Areas”. Match bins with the current style.
- D. Main Campus Indoor areas are areas of high traffic where a tri-bin system is needed. These are areas like cafeterias, heavily used conference rooms, public facing areas like lobbies and entrances, etc. Indoor low traffic areas are areas where the stand alone Slim Jim style bins are sufficient. These are places like staff and student lounges or kitchens and places that are not public facing.



- Manufacturer:** Landscape Forms
- Product:** Chase Park Receptacle
- Style:** 36-gallon, side-opening
- Material:** Powder-coated cast aluminum body, cast iron base
- Finish Options:**
- Trash: "Stone" body, "Stone" lid
 - Recycling: "Stone" body, "Bluebell" lid
 - Compost: "Stone" body, "Ivy" lid
- Standard Options:**
- Mount: Free Standing
- Graphics:** Mount graphics on both sides
- None
- Custom Options:** Stainless steel bottom ring welded to cast iron base and powder coated "Stone" (to enable rolling)
- Uses:** Cañada and CSM main campuses only



Image from manufacturer, receptacle shown in different color and configuration than specified

- Manufacturer: Forms + Surfaces
- Product: Cordia Receptacle
- Style: 36-gallon, single-stream, aluminum inset, with Rain Cover lid
- Finish: Trash: "Argento Texture" body, "Argento Texture" lid
 Recycling: " "Argento Texture" body, "Azure Texture" lid
- Standard Options: Latch: Standard Lift latch
 Liner Options: Bag straps and drain holes
 Mount: Free standing with levelers
- Graphics: Signage mounted on all four sides
 Trash: No graphics
 Recycling: "Recycling" graphic on black background
- Uses: CSM and Cañada, in parking lots only



Manufacturer: Wausau (can purchase from Park Tables)
Product: TF1029
Style: 45-gallon, standard Weatherstone concrete with dome push door lid
Finish: Trash: Color A20 Acid Wash body, color 10 Charcoal lid
Recycling: Color A20 Acid wash body, color Blue lid
Compost: Color A20 Acid wash body, color Green lid
Standard Options: Latch: Steel side door opening
Liner Options: Plastic Liner
Mount: Stainless Steel
Graphics: Manufacturer's Standard
Trash: Plastic "Trash"
Recycling: Plastic "Recycle" with recycling symbol
Compost: Plastic "compost" with compost symbol
Uses: Skyline, consult with SMCCCD Sustainability team and Skyline Grounds Team on placement and type



XD35-3
San Mateo Community College District
Rev2

NOTE: Unit colours may vary from render depending on real world lighting conditions

- Manufacturer: Clean River
- Product: XD35-2 or XD35-3 (depending on number of streams)
- Style: Gallons depend on number of stream (consult with Facilities Sustainability personnel for number of streams). Adobe Clay color.
- Finish: Adobe Clay color. Must specify a signage cut out size to match the CleanRiver IMSF model bin. The dimensions are 8⁷/16 x 10¹⁵/16
- Standard Options: Front loading and servicing with stainless steel components
Liner Options: Hard Plastic Liner
- Graphics: Custom - SMCCCD Design Standard
- Uses: Outdoor receptacles for Skyline main campus.



Manufacturer: Rubbermaid Commercial Products (can order from SupplyWorks)

Product: Item # RCP354007 (GR, BL, or BK), Item # RCP295606 (GR, BL, or BK)

Style: 23-gallon, with Venting Channels and swing top lid, 7 gallon "deskside"

Finish: Trash: Color Black, color Black lid
Recycling: Color Blue, color Blue lid
Compost: Color Green, color Green lid, no lid for deskside

Standard Options: Latch: N/A
Liner Options: Plastic Liner
Mount: N/A

Graphics: Manufacturer's Standards. See SMCCCD Zero Waste Signage standards for requirements.

Uses: Student, staff, and faculty lounges or breakrooms. Areas of low traffic with composting needs.



Manufacturer: CleanRiver
Product: IMSF-3 left, IMSF-2 right
Style: 22-gallon per stream, with backboard signage insert
Finish: Trash: Color Raven Black or Adobe Clay body, color Black opening
 Recycling: Color Raven Black or Adobe Clay body, color Blue opening
 Compost: Color Raven Black or Adobe Clay body, color Green opening
Standard Options: Latch: N/A
 Liner Options: Plastic Liner
 Mount: N/A
Graphics: Manufacturer's Standards. See SMCCCD Zero Waste Signage standards for requirements.
Uses: Area of high traffic such as cafeteria's, hallways, entrances and lobbies. Public facing areas as well. Consult with SMCCCD Sustainability team for further clarification.

2.6 APPROVED MANUFACTURERS

- A. Landscape Forms
- B. Forms and Surfaces
- C. Wausau

- D. Rubbermaid
- E. CleanRiver

PART 3 EXECUTION

3.1 SUBSTITUTIONS

- A. These District Standards have been approved by SMCCCD as Guidelines. Any deviation from the Standard must be approved by the District Project Manager.

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS:

- 01 81 13 Sustainability Design Standard
- 32 00 00 Cañada College Campus Exterior Design Standard
- 32 00 00 College of San Mateo Exterior Design Standard
- 32 00 00 Skyline College Exterior Design Standard
- 32 33 13 Bicycle Racks Design Standard
- 32 33 43 Site Furniture Design Standard

San Mateo County Community College District is strongly committed to promoting sustainability throughout their campus projects. Section 01 81 13 Sustainability of the Design Standard provides guidelines and recommendations for implementing sustainability strategies. Where relevant, specific sustainability criteria is noted in this section; however, each project team should review and cross reference that front section while developing the specific project and its documentation. Each discipline shall confirm that specific performance and manufacturer information provided in the specification section is in alignment with code requirements, LEED criteria, and any other goals for sustainability.

3.2 OTHER REFERENCES

- A. SMCCCD Zero Waste Plan
- B. SMCCCD Environmentally Preferable Purchasing Policy
- C. Campus Sustainability Plans for Cañada College, College of San Mateo, and Skyline College

END OF SECTION