NO PARKING

18" x 42" Poured Conc (Typ)

18" Lap Length
Required for #5 Rebar at Corners

22.0' Min.
Clearance at Narrowest Point
In Enclosure as Measured From
Edge of Bollard

Expansion Joint

6" Diameter
Steel Pipe
Bollards
Filled with Concrete and
Painted Yellow (Typ.)

8" Poured Concrete Slab Extension. Pitch
To Drain Away From Enclosure @ Min 1% Slope

6 YD Trash/Recycle Receptacle

6 YD Trash/Recycle Receptacle

2% Slope Max

Gate Swing Angle,
Min 120' from Closed Position

10.0' MIN

120' MIN

12.0' MIN

6" Diameter
Steel Pipe Bollards
Filled with Concrete and Painted Yellow

12" x 42" Poured Concrete Trench Foundation
(See Detail SD-SW-1)

Limestone (Or Concrete) Wall Cap (Typ)

8" Poured Concrete Slab Over 8" 21AA
Dense Graded Aggregate
8" Concrete Block Or Cast in Place
Concrete Walls, Or Approved Alternate Material

NOTE:
See SD-SW-6 for General Notes

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR
MICHIGAN

REV. NO. DATE DRAWN BY CHECKED BY

DOUBLE BIN ENCLOSURE

SD-SW-2
DIRECT ACCESS
[PREFERRED]

UNACCEPTABLE

INDIRECT ACCESS

OPTIONAL ANGLED DIRECT ACCESS
[ACCEPTABLE WITH APPROVAL]

SD-SW-3
STANDARD BIN ENCLOSURE LAYOUTS

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SWEPT PATH REQUIREMENTS FOR
FRONT LOAD SOLID WASTE VEHICLE

A2 AUTOCAR ACX 6X4

OVERALL LENGTH 36.667 FT
OVERALL WIDTH 8.750 FT
OVERALL BODY HEIGHT 12.500 FT
MIN BODY GROUND CLEARANCE 0.830 FT
MAX TRACK WIDTH 8.417 FT
LOCK-TO-LOCK TIME 6.00 S
CURB TO CURB TURNING RADIUS 33.895 FT
MINIMUM OF 15'-0" VERTICAL CLEARANCE IS REQUIRED ALONG ENTIRE SOLID WASTE COLLECTION ROUTE.
1. Maintain a clear space directly in front of the solid waste enclosure. The clear space shall be a minimum of fifty (50) feet long by the width of the inside dimension (I.D.) of the enclosure walls plus four (4) feet on each side. A minimum vertical clearance of at least twenty-five (25) feet must be provided above this area.

2. Ingress and egress routes must be developed based on solid waste swept path requirements per SD-SW-4. A minimum horizontal clearance of four (4) feet from the edge of the swept path and a minimum vertical clearance of at least fifteen (15) feet must be provided along the entire solid waste collection route.

3. Provide ten (10) feet minimum horizontal clearance from solid waste enclosure to major electrical equipment, above ground utility services, and edge of overhead obstructions such as tree branches, balconies, and overhangs.

4. If forward access to the public street is not available for the solid waste vehicle, the site development layout must accommodate a turn-around location meeting requirements within solid waste reference specific turn-around detail (SD-SW-5) and acceptable to the PSAA.

5. For sites that cannot accommodate a turn-around, the following additional requirements must be met:

   5.1. Solid waste vehicles must be able to service dumpsters without impeding the public street or sidewalk.

   5.2. The collection location shall be clearly delineated and not have a slope greater than 2% in any direction.

   5.3. Bollards or adequate clear space must be provided behind the lift point so the dumpsters are not pushed into any building or access route.

   5.4. All swept-path clearance and vertical clearance requirements previously identified shall be provided.

   5.5. Solid waste vehicle back-up distances must be less than 30' along servicing route.

6. Gates on bin enclosures shall open a minimum of 120 degrees from the closed position. The gates shall not impede on the required bin enclosure opening width, shall not block adjacent parking spots, and not be impeded by adjacent curbs or landscaping.

7. Gates shall be designed to be free standing without center pole design. If center pole design is necessary, 12 inches shall be added to the minimum interior width of the enclosure.

8. Gate design shall include a reliable means to secure the door in both the open and closed positions.
9. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF NO PARKING SIGNS ALONG THE SOLID WASTE INGRESS/EGRESS ROUTE TO ENSURE THE ROUTE REMAINS FREE OF VEHICLES.

10. REFER TO ASSOCIATED STANDARD DETAILS SD-SW-1 AND SD-SW-2 FOR REQUIREMENTS ON SINGLE AND DOUBLE WIDE SOLID WASTE BIN ENCLOSURE LAYOUT AND DESIGN CRITERIA. THE CITY SHALL HAVE THE ABILITY TO MODIFY OR INTERPRET THESE DETAILS AS NECESSARY TO ACCOMMODATE THE CITY OR CITY CONTRACTOR’S NEEDS FOR SOLID WASTE PICK-UP.

11. SOLID WASTE EQUIPMENT ACCESS ROADS AND SERVICE AREA SURFACES SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF COLLECTION VEHICLES WEIGHING UP TO 66,000 LBS GROSS VEHICLE WEIGHT (GVW) AND SHALL BE PROVIDED WITH AN APPROVED SURFACE SO AS TO PROVIDE ALL WEATHER DRIVING CAPABILITIES. PROPERTY OWNER SHALL BE RESPONSIBLE FOR ALL SNOW AND ICE REMOVAL REQUIRED FOR SAFE ACCESS.

12. FOR SITES THAT CANNOT ACCOMMODATE A STANDARD DUMPSTER ENCLOSURE, THE DUMPSTERS MAY BE ROLLED OUT OF A BUILDING OR ALTERNATE ENCLOSURE BY THE PROPERTY OWNER TO AN APPROVED COLLECTION LOCATION.

13. SOLID WASTE COLLECTION LOCATIONS MUST BE LOCATED WITHIN THE BOUNDARIES OF THE PROPERTY UNLESS AN APPROPRIATE EASEMENT IS OBTAINED.