



Solid Waste Development Manual Update

Environmental Services and Planning and Development Services

IPS Committee Meeting
December 11, 2024



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Overview



1. Background – Home in Tacoma
2. New Shared Services
3. Next Steps



Solid Waste Development Manual

November 15, 2024

City of Tacoma
Environmental Services Department
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Background

What is the Solid Waste Development Manual?

- Creates minimum standards for solid waste facilities


Who is the Solid Waste Manual for?

- Created to assist developers with Home in Tacoma housing options
- New shared solid waste services will be allowed for missing middle housing options
- This manual creates prescriptive standards for development to accommodate new service offerings



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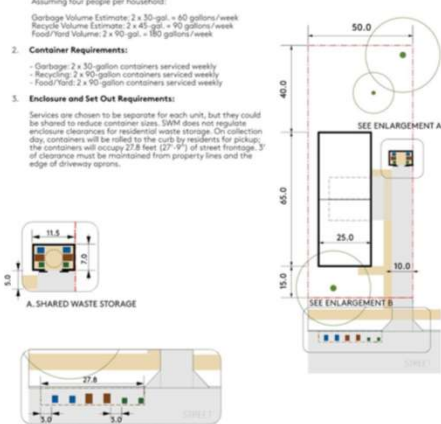
Shared Service Standards

2-Unit Houseplex

Shared enclosure with curb-side waste collection

Step-by-Step Waste Volume Calculation:

1. **Calculations:**
Assuming four people per household:
Garbage Volume Estimate: 2 x 30-gal. = 60 gallons/week
Recycle Volume Estimate: 2 x 40-gal. = 80 gallons/week
Food/Wood Volume: 2 x 90-gal. = 180 gallons/week
2. **Container Requirements:**
- Garbage: 2 x 30-gallon containers serviced weekly
- Recycling: 2 x 90-gallon containers serviced weekly
- Food/Wood: 2 x 90-gallon containers serviced weekly
3. **Enclosure and Set Out Requirements:**
Services are chosen to be separate for each unit, but they could be shared to reduce container sizes. SWM does not regulate enclosure clearances for residential waste storage. On collection day, containers will be rolled to the curb by residents for pickup; the containers will occupy 27.8 feet (27' 9") of street frontage. 3' of clearance must be maintained from property lines and the edge of driveway aprons.



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Shared Service Standards (continued)

Table 2: Frontload Container Specifications

CONTAINER SIZE (VOLUME)	TYPICAL DIMENSIONS (INCHES)				Waste Stream		
	WIDTH (X)	DEPTH (Y)	HIGH HEIGHT (Z1)	LOW HEIGHT (Z2)	Garbage	Recycl	Food/Hor d
2-yard**	80"	34.5"	45"	38"	X	-	-
2-yard**					-	X	-
4-yard**	72"	50"	48"		X	-	-
4-yard**					-	X	-
6-yard**	80"	66"	75"	45"	X	-	-
6-yard**	80"	55"	70"		-	X	-
8-yard**	80"	71"	80"	52"	X	-	-
8-yard**	80"	70"	72"		-	X	-
10-yard	130"	120"	51"				
15-yard	198"	96"	56"				
20-yard	198"	96"	78"				
25-yard	225"	96"	78"				
30-yard	218"	96"	90"				
40-yard	240"	96"	72"				

**Cathedral Style (garbage)
**Fork-lift (recycling)
* Dimensions for 4-yard container is from [Waste Connections](#) (not provided by SWM)

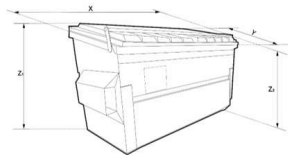


Figure 2: Container dimensions reference diagram

Shared Solid Waste Services:

- Creates residential waste volume estimates
- Provides information on container sizing
- Creates submittal checklist

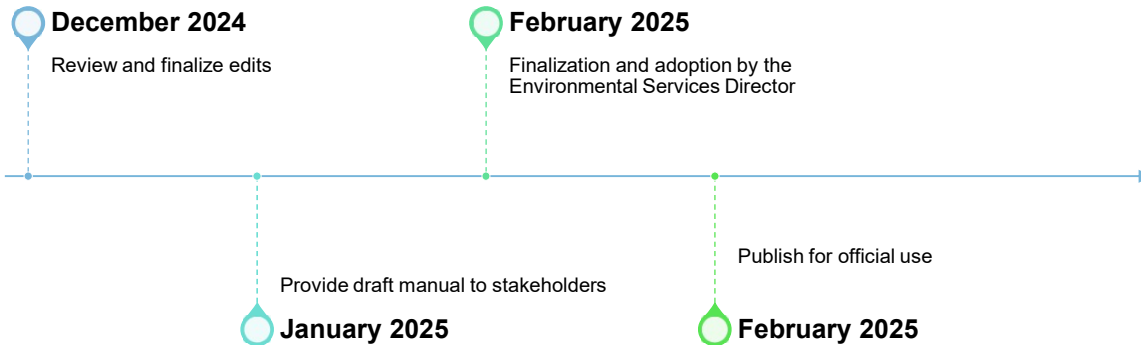
Container Size (Volume)	TYPICAL DIMENSIONS (INCHES)				Waste Stream		
	Width (X)	Depth (Y)	High Height (Z1)	Low Height (Z2)	Garbage	Recycle	Food/Hor d
20 gallon	19"	22"	33"				
30 gallon	19"	21"	33"				
40 gallon	22"	24"	36"		X		
60 gallon	24.5"	28.5"	42"			X	
80 gallon	24.5"	33.5"	45"			X	X
100 gallon	36"	34"	54"		X	X	X

* Dimensions for 4-yard container is from [Waste Connections](#) (not provided by SWM)



Next Steps

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