GUIDANCE FOR DEVELOPERS

In Elmbridge properties receive:

- a fortnightly collection of recycling
- a fortnightly collection of landfill (rubbish)
- a weekly collection of food
- some 16,000 households also subscribe to the **fortnightly opt-in garden waste collection**

HOUSES

**External storage capacity**

Storage space must be large enough to accommodate at least 2 wheeled bins (one for landfill and one for recycling) plus a smaller food bin. **Additional space may be required for larger households or families with children in nappies who may require additional bins and residents who subscribe to the opt-in garden waste service.**

Please see below for appropriate dimensions for wheeled bins and food container.

<table>
<thead>
<tr>
<th>Size</th>
<th>Small</th>
<th>Medium</th>
<th>Large</th>
<th>Extra-Large</th>
<th>Food bin (external)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Household</td>
<td>1-2</td>
<td>2-3</td>
<td>4-5</td>
<td>6+</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>140 litres</td>
<td>180 litres</td>
<td>240 litres</td>
<td>360 litres</td>
<td>23 litres</td>
</tr>
<tr>
<td>Height</td>
<td>985 mm</td>
<td>1100 mm</td>
<td>1100 mm</td>
<td>1100 mm</td>
<td>405 mm</td>
</tr>
<tr>
<td>Width</td>
<td>485 mm</td>
<td>505 mm</td>
<td>585 mm</td>
<td>660 mm</td>
<td>320 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>550 mm</td>
<td>755 mm</td>
<td>730 mm</td>
<td>875 mm</td>
<td>400 mm</td>
</tr>
</tbody>
</table>

**Developers are expected to purchase landfill bins for new or redeveloped properties. The Council will provide recycling and food bins**

Landfill bins can be purchased from the council; please contact us on 01372 47 4474 or see our website for details – www.elmbridge.gov.uk/bins. Bins can be purchased from other suppliers but must have capacity of 140, 180, 240 or 360 litres.

The collection point is by the front boundary of the property close to the public highway. The bin will be collected, emptied and returned to this point.
FLATS & COMMUNAL PROPERTIES

Communal Bin Store Capacity

The bin store should be large enough to accommodate communal bins with sufficient capacity for fortnightly collections of landfill and recycling and weekly collections of food waste.

The average volume of waste generated per household, per week based on a two to three bedroom property is 260 litres:

- 120 litres - Landfill wheeled bin, collected fortnightly
- 120 litres - Recycling wheeled bin, collected fortnightly
- 20 litres - food waste, collected weekly

This should be used as a guide to determine the minimum number and size of communal wheeled bins to provide. The number of bins should always be rounded up to ensure that there is sufficient capacity if the period of collection is extended (for example over bank holiday).

Please take into consideration the frequency of collection – where these are fortnightly, capacity should allow for two weeks’ worth of waste. For instance, 4 two bedroom flats require the following capacity per fortnight:

- Landfill = 120 x 2 x 4 = 960L rounded up to an 1100L bin
- Recycling = 120 x 2 x 4 = 960L rounded up to an 1100L bin
- Food = 20 x 4 = 80L (rounded up to 1 x 140L communal bin or 4 x 23litre bins)

Properties with large gardens or open space should have sufficient space to accommodate a home composter or 240 litre wheeled bin(s) for the Council’s garden waste service. Garden waste should not be disposed in the landfill, recycling or food bins.

The council will usually provide communal bins for recycling for new developments in either 770litre or 1100litres sizes. Food waste will also be provided, using either individual 23litres containers or communal 140litre bins. Developers are required to purchase communal landfill bins.

Approximate dimensions of communal bins are given below. Please note that some manufacturers may produce slightly different sized bins- specifications can be found on their website.

<table>
<thead>
<tr>
<th>Capacity (Litres)</th>
<th>1100</th>
<th>770</th>
<th>140 (food waste)</th>
<th>23 (food waste)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (mm)</td>
<td>1470</td>
<td>1370</td>
<td>985</td>
<td>405</td>
</tr>
<tr>
<td>Width</td>
<td>1370</td>
<td>1370</td>
<td>485</td>
<td>350</td>
</tr>
<tr>
<td>Depth</td>
<td>1100</td>
<td>900</td>
<td>550</td>
<td>400</td>
</tr>
</tbody>
</table>

Communal Bin Store Design

The storage areas for communal bins need to:

- Be at ground level
 ✓ Allow enough space for the bins required for the property – please see above for how to calculate the number and capacity required.

 ✓ The area should allow for filling and emptying of the bins and provide a clear space of 15cm between the bins. Each individual bin should be accessible, with collection operatives able to empty it without needing to remove other containers.

 ✓ All doors (where applicable) for the storage area should open outwards, with a clear opening of at least 1500mm. A facility to hold open the doors during collection should be installed.

 ✓ The area should be sited so that the bins do not need to be taken through a building or across designated parking spaces.

 ✓ Be conveniently located for residents and should be no further than 30 metres from the entrance door.

**Vehicle Access**

**Access pathways** from the storage area to the collection point (where the vehicle stops) needs to:

 ✓ Be level. Unless the gradient falls away from the storage area in which case the gradient should not be steeper than 1:12.

 ✓ Be at least 1.5 metres wide.

 ✓ Be free from kerbs and steps.

 ✓ Have solid foundations and a smooth continuous impervious surface.

 ✓ Have shallow ramps where they meet roadways.

 ✓ Be within 10 metres from the point where the collection vehicle stops.

 Where possible, the collection vehicle should be able to enter the development to avoid the risk of obstructing traffic. This is essential where four or more containers are to be emptied and/or if the bin store is located more than 10 metres from the public highway.

 The collection vehicle needs to be able to park close to the storage area. So **access roads** need to:

 ✓ Have suitable foundations and surfaces to withstand the maximum weight of the vehicle (generally 26t GVW, 11.5t axle loading).

 ✓ Have heavy-duty manhole covers, gully gratings etc.

 ✓ Be designed to ensure reasonable convenience for the collection vehicle.

 ✓ Be a minimum of 4 metres wide.

 ✓ Be arranged for the collection vehicle to continue in a forward direction.

 ✓ Offer adequate space for turning.

 For tracking purposes, the dimensions of the vehicles currently used in Elmbridge are 10.4m long and 3m wide. The minimum turning circles are 19.9m (kerb to kerb) and 21.6 (between walls).

 Exceptions may be made when the vehicle can be conveniently reversed into the development over a distance not exceeding 12 metres to a point within 10 metres of the storage area. In all such instances the road shall be designed so that the reversing vehicle does not encroach on the footway. Collection vehicles should not generally be expected to reverse into a development from a busy main road.