1014.3.2 Waste Discharge Requirements.

1014.3.2.1 Waste discharge in establishments from fixtures and equipment which contain grease, including but not limited to, scullery sinks, pot and pan sinks, dishwashers, soup kettles, and floor drains located in areas where grease-containing materials exist, shall be permitted to be drained into the sanitary waste through the interceptor when approved by the Authority Having Jurisdiction.

1014.3.2.2 Water closets, urinals, and other similar fixtures shall not drain through the interceptor.

1014.3.2.3 Waste shall enter the interceptor through the inlet pipe only.

1014.3.3 Design.

1014.3.3.1 Gravity Interceptors shall be constructed in accordance with the applicable standard in Table 14-1, IAPMO Z 1001 or equivalent International Standard(s) approved by the Authority Having Jurisdiction and or the design approved by the Authority Having Jurisdiction.

1014.3.4 Location.

1014.3.4.1 Each grease interceptor shall be so installed and connected that it shall be, at all times, easily accessible for inspection, cleaning, and removal of the intercepted grease. A gravity grease interceptor shall not be installed in any part of a building where food is handled. Location of the grease interceptor shall meet the approval of the Authority Having Jurisdiction.

1014.3.4.2 Interceptors shall be placed as close as practical to the fixtures they serve.

1014.3.4.3 Each business establishment for which a gravity grease interceptor is required shall have an interceptor which

TABLE 10-3
Gravity Interceptor Sizing[1]

Pipe Diameter mm	Full Pipe Flow (Nominal)[2] L/s	Interceptor Size Based on Thirty (30) Minute retention time.[3] Rounded up to the next nominal size Litres
50	1.22	3,000
75	3.70	8,000
100	7.93	16,000
125	14.49	30,000
150	23.68	60,000

[1] For interceptor sizing by fixture capacity see the example below.

[2] 6.4mm/m slope per metre based on Mannings formula with friction factor N=0.012.

[3] Based on 30 minute retention time (ref.) Metcalf & Eddy, Inc. 3rd Ed. *Small and Decentralized Wastewater Management Systems*, 1998 and rounded up to nominal interceptor volume.

SI: 1L/s = 15.85 gpm; 1L = 0.26 Gal.

Example For Sizing
Gravity Interceptor Sizing Using Fixture Capacity

Step 1: Determine fixture capacity:
[Length] X [Width] X [Depth] / [231] = L X [0.75 fill factor]

Step 2: Calculate the total load from all fixtures discharging into the interceptor.
Add hydrant capacity in litres (gpm supply); Add rated appliances such as dishwasher, water wash hood at manufactures ratings.
Interceptor Sizing = fixture capacity x 30

Step 3:

Fixture Compartment Size	Compartments	Load	Recommended Interceptor Size *(Based on 30 minute retention time. Round up to the next nominal size.)
mm		Litres	Litres
610 x 610 x 305	2	170	5,678