



TYPICAL SECTION

NOTES

1. Where no council drain is provided, outlet from pit to be 2 no. 100 dia pipes to kerb and channel. (Use prefabricated kerb adaptors approved by Bayside City Council.)
2. Concrete strength shall be 25Mpa at 28 days
3. Pits only to be used in footpaths where reverse falls on crossings and nature strips prevent water from discharging to the kerb and channel.
4. All levels to be within +/- 10mm of design.
5. Grating to be flush with adjoining surfaces / footpath.
6. Pedestrian / bicycle safe grating, R&S weave grate or approved equivalent.
7. Frames must have adequate anchorage to ensure that they do not come loose.
8. Concrete infill for cover and frame shall be N25 at 28 days with 10 max size aggregate. Tamp and pencil vibrate.
9. Precast units may be constructed to the manufacturers details. The design shall comply with the AS 5100 Bridge Design and the following additional requirements:-
 - Combined factored lateral pressure at any point at the ultimate limit state shall be not less than 25kPa
 - Adequate drainage shall be provided to pit walls to avoid hydrostatic pressure.
 - Vertical load 210 kn applied any where on pit.
 - Minimum reinforcement area shall be 150mm²/m.
 - Concrete shall be normal class N32 standard strength grade or higher complying with requirements of AS 1379 Exposure classifications up to and including B1.

 Bayside <small>CITY COUNCIL</small>	Standard Drawing Title		Standard Drawing No. BCC508 <small>Page 1 of 1</small>	Rev: A
	FOOTPATH GRATED PIT		Approved Manager Engineering Services 	
	Scale 1:10	References to:	Date: 19-Dec-08	