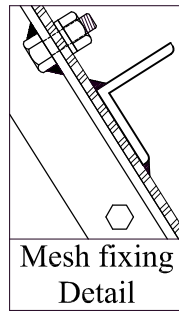
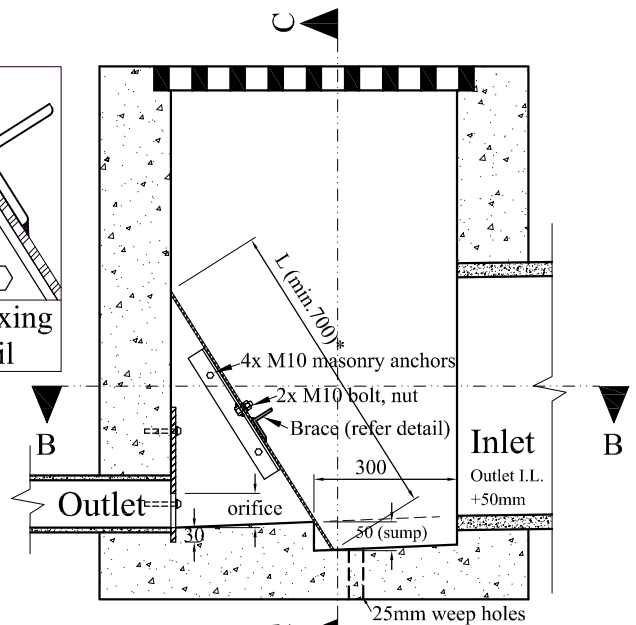


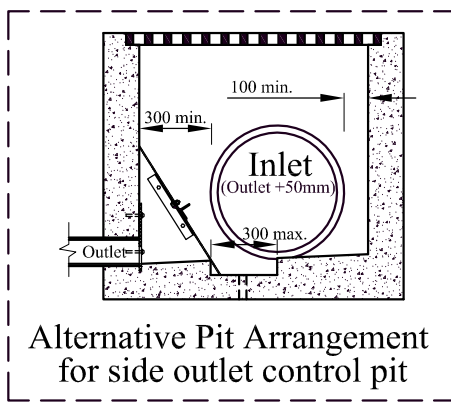
Cross Section C-C



Mesh fixing Detail

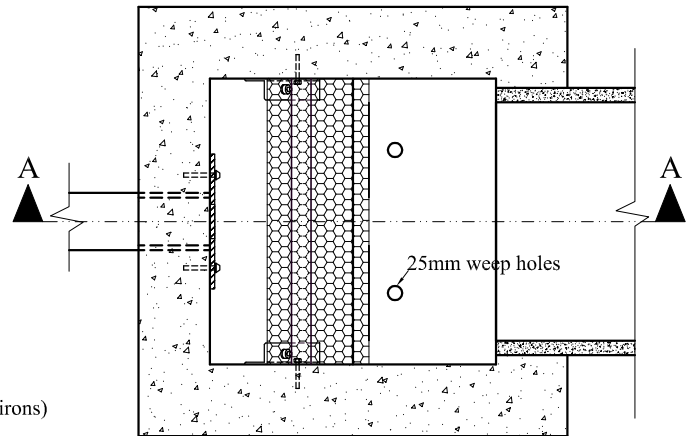


Cross Section A-A



Alternative Pit Arrangement for side outlet control pit

Pit depth(mm)	Int. Pit size(mm)
To 900	600 x 600
To 1200	900 x 600 (req. step irons)
Over 1200	900 x 900 (req. step irons)



Plan Section B-B

Orifice Plate:

- 1 Plate size to be the greater of 300 x 300mm or 3x orifice diameter.
- 2 Plate thickness to be minimum 6mm, stainless steel, galv. or zinc coated steel.
- 3 Plate fixing by construction adhesive to pit wall in addition to 4 x Ø10mm x 100mm stainless steel of either vandal proof shear-head type masonry anchors OR alternatively Cup-head bolts permanently fixed with the use of 'ChemSet'(or equiv.) bonding agent. Hexagonal-head nut/bolt hardware not accepted.

Mesh:

- 4 Mesh to be 'Maximesh RH3030' (or equiv.) expanded steel mesh, galv./zinc coated.
- 5 Mesh to be affixed to 40x40x5mm equal angle section by min. 2 x 10mm gal/zinc/S.S. nut & bolt. Bolts to be welded in place so as to be retained on angle section.
- 6 Equal angle sections to be min. length 300mm, fixed to pit walls.
- 7 Mesh length (for orifice size exceeding 105mm) derived from minimum 50 x orifice area calculation.
- 8 Pit cover to be heavy duty grated type if in common or trafficable area.
- 9 Pit walls and base to be min 125mm thick Fc25MPa concrete.
- 10 Where pit is wider than 600mm; 40x40x5 Equal Angle to be welded across full width of mesh.
- 11 Mesh perforations to be oriented with long dimension to the horizontal and in direction of stormwater flow.



BOROONDARA
City of Harmony

**ON-SITE DETENTION
CONTROL PIT DETAILS**

Manager Engineering
& Traffic

--- E.Boloutis ---

Designed D.D.

STANDARD DRAWING

Drawing No.

Drawn D.D.

Scale N.T.S. Date 01.06.2013 Revision J

SD999