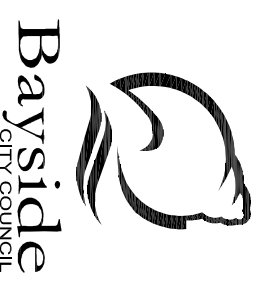


NOTES

1. Use F92 reinforcement with 300mm minimum lap length and clear cover of 65mm. Corner return reinforcement may be fabric or equivalent bars.
2. Concrete strength to be 32mpa at 28 days.
3. Pits deeper than 1000mm shall be filled with large (370mm) plastic coated galvanized mild steel step Irons with threaded grip and large reflective patches.
4. Minimum fall across pit base to be 30mm.
5. Grout: 2 parts sand, 1 part cement and sufficient water to produce mix of suitable consistency.
6. All levels to be within +/-10mm of design.
7. Frames must have adequate anchorage to ensure that they do not come loose under traffic.
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.
10. Lid & frame alternatives to be approved by BCC supervisor.
 - 10A. Grid-Lite frame and cover to be used with locking/pitting point to suit standard industry keys or approved equivalent.
 - Colours to be used:
 - Green on nature strip
 - Light gray for concrete surrounds
 - Charcoal gray for charcoal concrete, bluestone or asphalt surrounds.
 - 10B. Cast iron lid concrete frame with locking recess
 - Extended back side entry barrier kerb (RS Side2 Exback) 900x750 or approved equivalent



Approved
Manager Engineering Services

[Signature]

Date: 3-Apr-09

References to:

Scale
1:20

Standard Drawing Title

**GRATED SIDE ENTRY
PIT
(INDUSTRIAL COVER)**

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