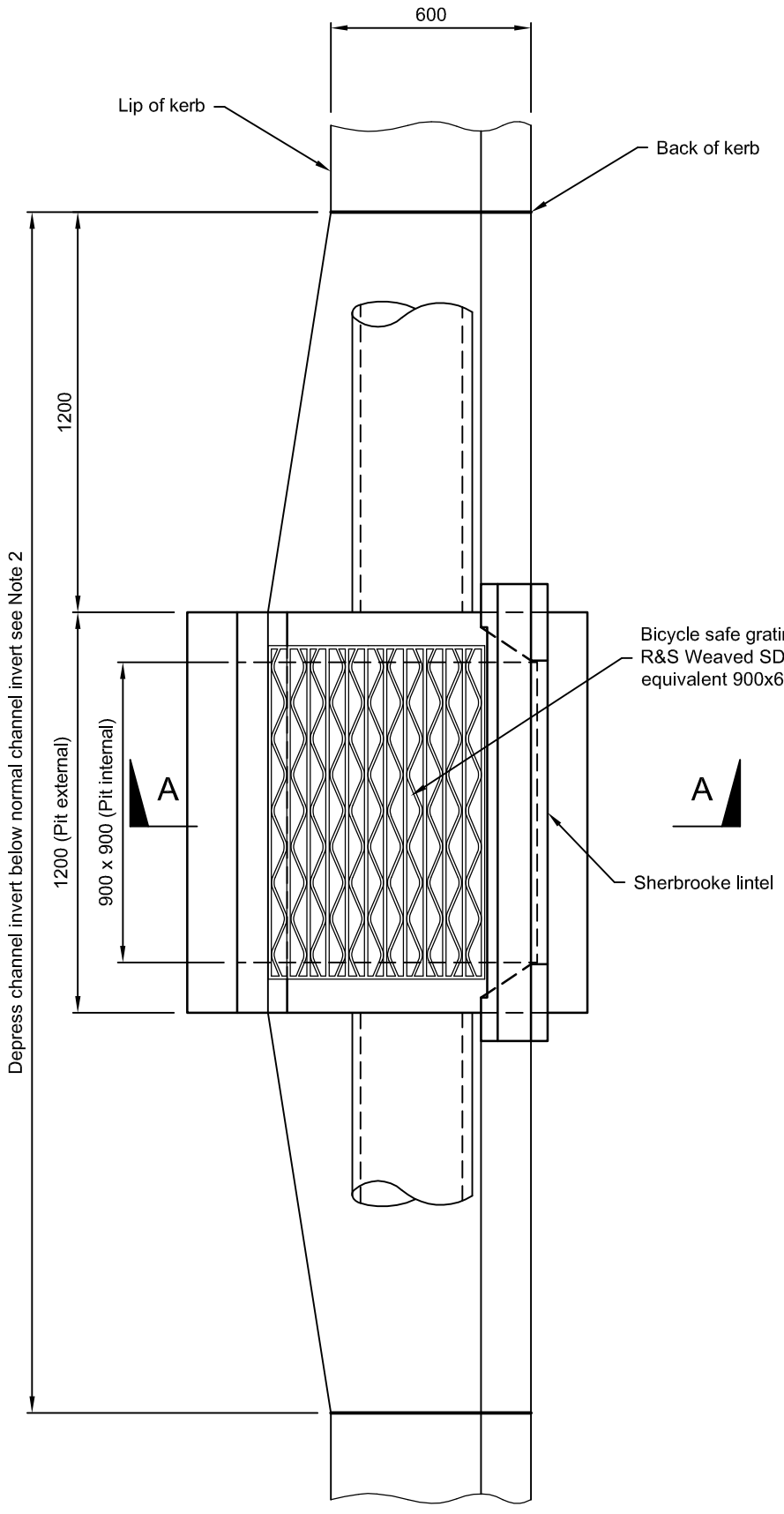
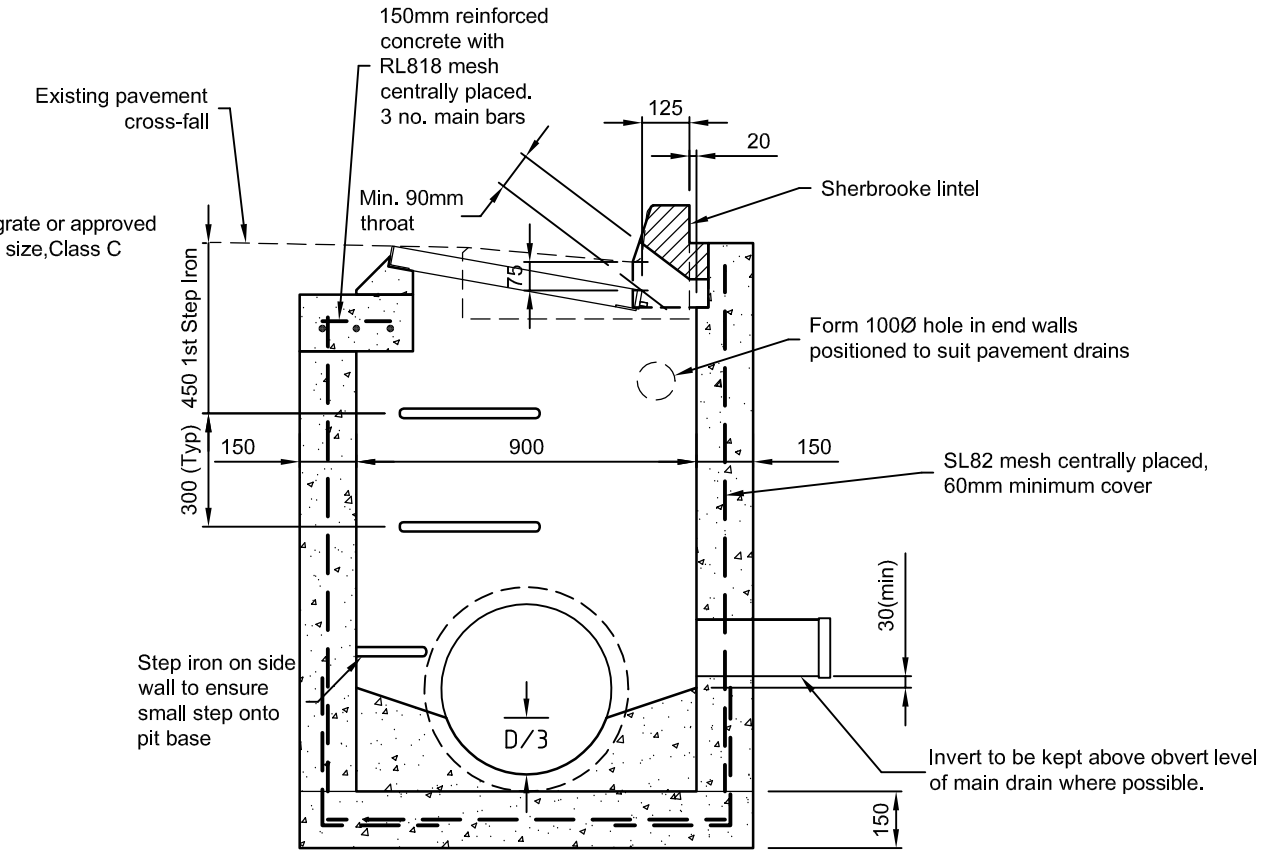


PLAN



SECTION A-A

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. Depress channel invert 75mm below adjacent channel invert.
3. Concrete strength to be 32mpa at 28 days.
4. Pits deeper than 1000mm shall be fitted with large (370mm) plastic coated galvanized mild steel step irons with threaded grip and large reflective patches.
5. Minimum fall across pit base to be 30mm.
6. Use under channel grate pit with side entry throat Type 1 for all pits less than 1.2m deep or where the pipe diameter is 525mm dia or less.
7. Grout: 2 parts sand, 1 part cement and sufficient water to produce mix of suitable consistency.
8. All levels to be within +/-10mm of design.
9. Frames must have adequate anchorage to ensure that they do not come loose under traffic.
10. 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 CITY COUNCIL

Approved
Manager Engineering Services

Date: 19-Dec-08

Scale	References to:
1:20	

Standard Drawing Title

UNDER CHANNEL GRATE PIT WITH SIDE ENTRY THROAT TYPE 2

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