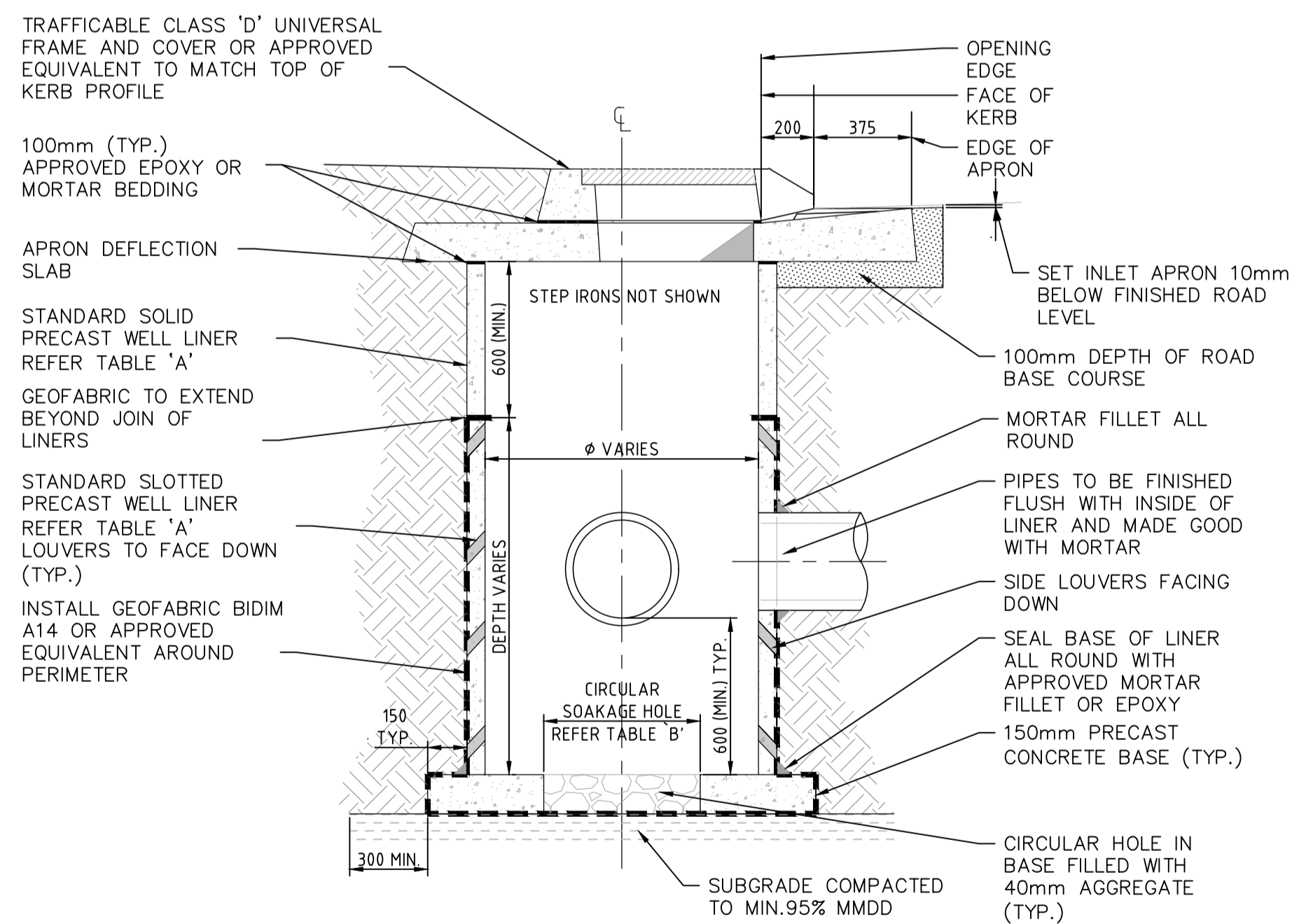


**SIDE ENTRY PIT PLAN VIEW**  
N.T.S.

TABLE A DRAINAGE PIT LINER SIZE		
NOM. LINER SIZE (mm)	PIPE SIZE MAX. (mm)	LINER TYPE
φ1050	φ450	CONCRETE
φ1200	φ600	CONCRETE
φ1500	φ750	CONCRETE
φ1800	φ900	CONCRETE
FOR PIPES φ1200 AND LARGER INSTALL A CUSTOM CHAMBER TO SUIT.		

TABLE B DRAINAGE PIT SIZE SOAKAGE HOLE SIZE	
LINER SIZE MIN. (mm)	SOAKHOLE DIAMETER (mm)
φ1050	600
φ1200	600
φ1500	900
φ1800	1200



**SECTION - A**  
N.T.S.

**DRAINAGE NOTES :**

- ALL INSITU CONCRETE SHALL BE CLASS N32 IN ACCORDANCE WITH A1379.
  - ALL INSITU CONCRETE CORNERS SHALL HAVE A 20 CHAMFER UNLESS OTHERWISE NOTED.
  - CEMENT MORTAR SHALL CONSIST OF ONE PART CEMENT AND THREE PARTS SAND.
  - SL81 REINFORCEMENT SHALL CONFORM WITH HARD DRAWN FABRIC TO AS4671.
  - MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE 50mm.
  - THE LINER SHALL BE REINFORCED CONCRETE SPUN TO AS4058.
  - THE MAXIMUM INLET/OUTLET PIPE OUTSIDE DIAMETER SHALL BE LESS THAN 60% OF THE LINER INTERNAL DIAMETER.
  - MINIMUM OF 40% OF LINER SHALL REMAIN IN ANY HORIZONTAL PLANE.
  - MINIMUM INTERNAL LINER SPACE OF 200mm BETWEEN PUNCHED/CUT HOLES. A MAXIMUM OF THREE PIPE OPENINGS ARE ALLOWED IN ANY ONE PIT. A MINIMUM WALL WIDTHS OF 250mm IS ALLOWED BETWEEN HOLES CUT FOR PIPE OPENINGS
  - HOLES TO BE CUT/PUNCHED ON ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.
  - THE LINER SHALL HAVE EQUIVALENT PROPERTIES AND REINFORCEMENT OF CLASS 2 R.C.P. EXCEPT THAT THE REINFORCEMENT SHALL BE CIRCULAR.
  - FOR STRUCTURES DEEPER THAN 600mm, STEP IRONS OR PREFABRICATED GALVANISED STEEL LADDER SHALL BE FITTED. THE LADDER SHALL BE FIXED WITH STAINLESS STEEL MASONRY ANCHORS IN ACCORDANCE WITH AS1657.
  - ORIENTATE STEP IRONS OR LADDER TO ENABLE EASY ACCESS AND TO FACE ONCOMING TRAFFIC.
  - COVERS SHALL BE CLASS D TO AS3996.
  - SIDE ENTRY PIT APRON SHALL BE A COMBINATION OF PROPRIETARY MATCHING FRAME (UNIVERSAL SIDE ENTRY FRAME OR APPROVED EQUIVALENT) AND AN APPROVED APRON DEFLECTOR SLAB.
  - SIDE ENTRY PIT COVER AND APRON SHALL SATISFY THE FOLLOWING CRITERIA
- |                    |                             |          |
|--------------------|-----------------------------|----------|
| VERTICAL OPENING   | 100 MIN.                    | 150 MAX. |
| HORIZONTAL OPENING | 880 MIN.                    |          |
| APRON GRADE        | 3% WITH VERTICAL DEFLECTORS |          |

A:\Engineering\Standard Details\DWG\STD-D05 - SIDE ENTRY PIT WITH SOAKWELL LINER.dwg

Amendments		Scale	AS SHOWN	
No	Date	Revision	By	Approved
B	05/02/26	NOTE 9 AMENDED	BC	VB
A	30/11/23	ISSUED FOR REVIEW	BV	NS

Infrastructure and Design

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Drawn: BC	Date: 05/02/26	Signat:
Designed: BC	Date: 05/02/26	Signat:
Checked: VB	Date: 05/02/26	Signat:

Manager Engineering Services.

SHIRE OF SERPENTINE JARRAHDALE  
STANDARD DRAWINGS

DRAINAGE - SIDE ENTRY PIT WITH SOAKWELL LINER

Sheet No: 1 OF 1	Revision No: B
DWG No: STD-D05	