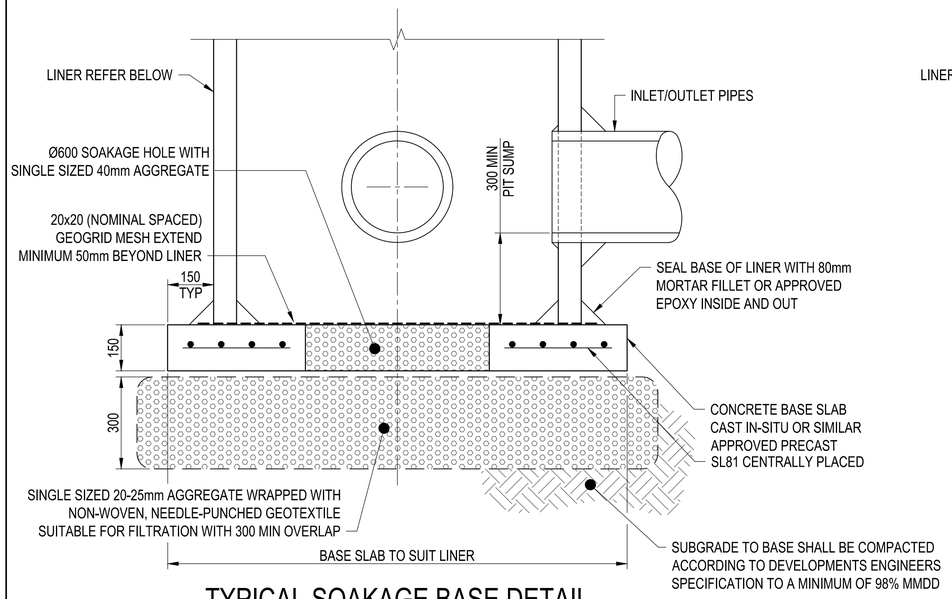
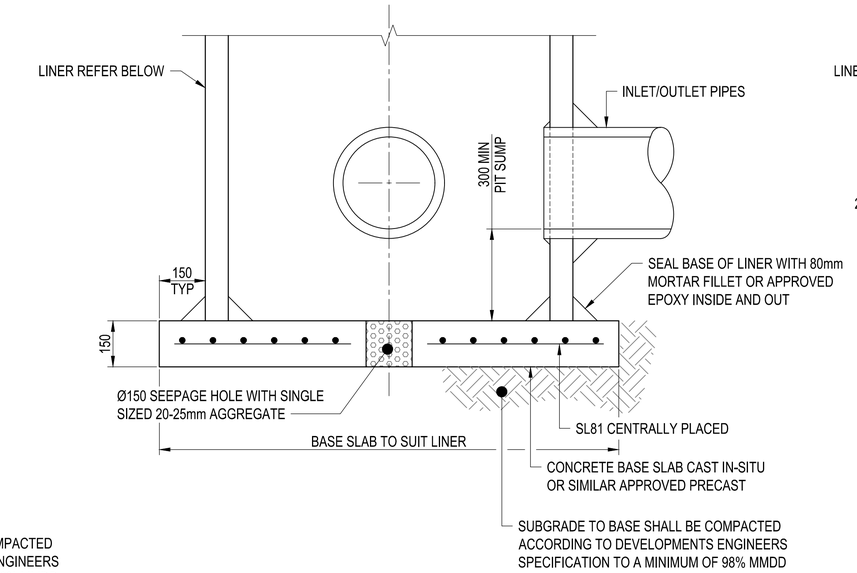


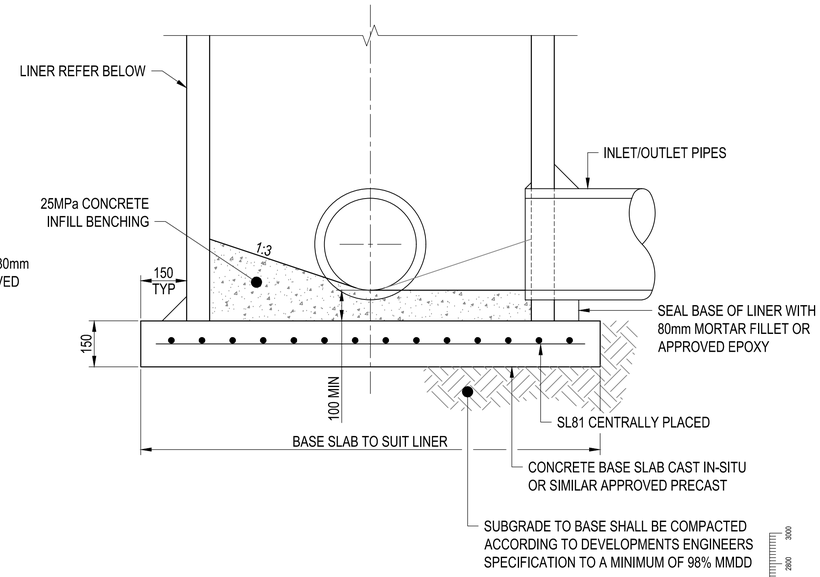
TYPICAL SOAKAGE BASE DETAIL

1:10



TYPICAL SEEPAGE BASE DETAIL

1:10

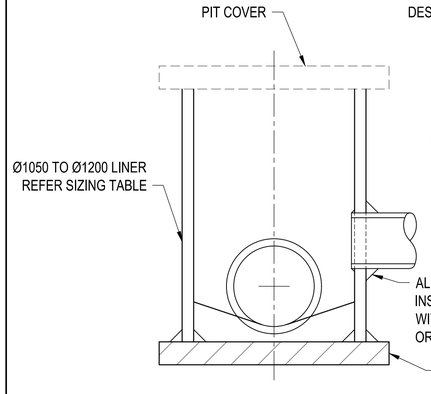


TYPICAL BENCHED BASE DETAIL

1:10

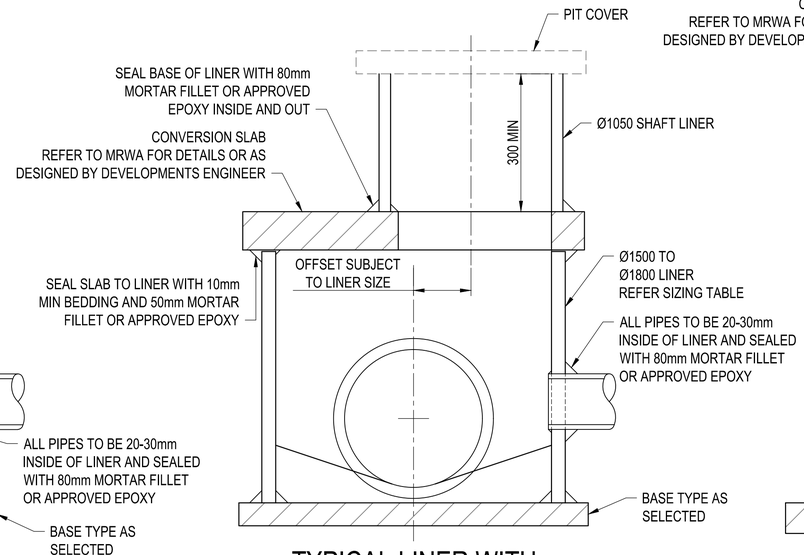
LINER SIZING TABLE

LINER SIZE	MAX. PIPE Ø NOMINAL	MAX. PIPE Ø WITH SUBSOIL	CONVERSION SLAB
1050	450	NOT PERMITTED	NOT REQUIRED
1200	675	525	NOT REQUIRED
1500	900	750	MRWA TYPE 3
1800	1200	900	MRWA TYPE 1
BLOCKWORK STRUCTURE	1200+	TO BE DESIGNED	MRWA FOR BLOCKWORK



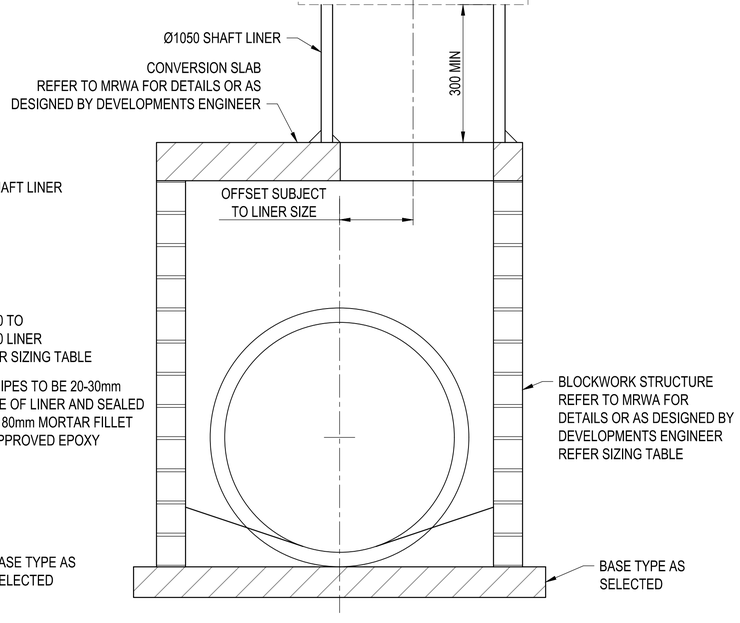
TYPICAL LINER DETAIL

1:20



TYPICAL LINER WITH CONVERSION SLAB DETAIL

1:20



TYPICAL BLOCKWORK STRUCTURE DETAIL

1:20

NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.

2. BASE SELECTION
   - SOAKAGE BASE: TO BE USED FOR INLET PITS WHERE THE PIT BASE IS AT LEAST 1m ABOVE AAMGL AND INFILTRATION RATES EXCEED 1 m/DAY.
   - BENCH BASE: TO BE USED IN ALL OTHER LOCATIONS WHERE SOAKAGE CRITERIA ARE NOT MET.
   - SEEPAGE BASE: TO BE USED ONLY IN LOCATIONS AS DIRECTED BY THE CoA.

3. ALL IN-SITU CONCRETE SHALL BE CLASS N32 IN ACCORDANCE WITH AS 1379.

4. PRECAST PIT BASES SHALL BE MANUFACTURED FROM CONCRETE HAVING A MINIMUM CHARACTERISTIC COMPRESSIVE STRENGTH OF 40 MPa AT 28 DAYS.

5. ALL IN-SITU CONCRETE CORNERS SHALL HAVE A 20 CHAMFER UNLESS OTHERWISE NOTED.

6. CEMENT MORTAR SHALL CONSIST OF ONE PART PORTLAND CEMENT (OR SIMILAR) AND THREE PARTS SAND.

7. SL81 REINFORCEMENT SHALL CONFORM WITH HARD DRAWN FABRIC TO AS/NZS 4671.

8. MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE 50.

9. THE PRECAST LINER SHALL BE REINFORCED CONCRETE TO AS/NZS 4058.

10. THE MAXIMUM INLET/OUTLET PIPE OUTSIDE DIAMETER MUST BE LESS THAN 60% OF THE LINER INTERNAL DIAMETER.

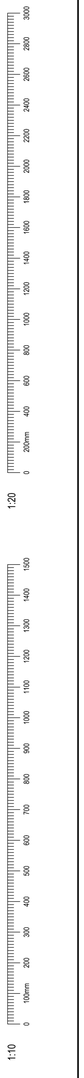
11. MINIMUM SPACE OF 200 BETWEEN HOLES IN LINER.

12. MINIMUM OF 40% OF LINER SHALL REMAIN IN ANY HORIZONTAL PLANE.

13. HOLES TO BE PUNCHED/CUT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.

14. THE LINER SHALL HAVE EQUIVALENT PROPERTIES AND REINFORCEMENT OF CLASS 2 RCP EXCEPT THAT THE REINFORCEMENT SHALL BE CIRCULAR.

15. BACKFILL SURROUNDING PITS SHALL BE PLACED IN LAYERS AND COMPACTED TO A MINIMUM OF 98% MMDD.



Amendments

No	Date	Revision	By	Approved
A	21.07.26	ENDORSED BY CITY OF ARMADALE	DR	MK

Scale: AS SHOWN | Paper: A1
Datum: N/A | Grid: N/A
Surveyed: N/A | Date: N/A

CITY OF Armadale
7 ORCHARD AVENUE, ARMADALE, WA 6112

Drawn: DR	Date: 10.06.26	Signed:
Designed: DR	Date: 10.06.26	Signed:
Checked: BT	Date: 10.06.26	Signed:
Head of Engineering & Design:		Signed:

Project: CITY OF ARMADALE
TECHNICAL SERVICES STANDARD DRAWINGS

Description: STORMWATER DRAINAGE
PIT LINER AND BASES

PC No:	N/A
CM9 No:	N/A
Sheet No:	1 OF 1
Revision No:	A
DWG No:	STD-D-02