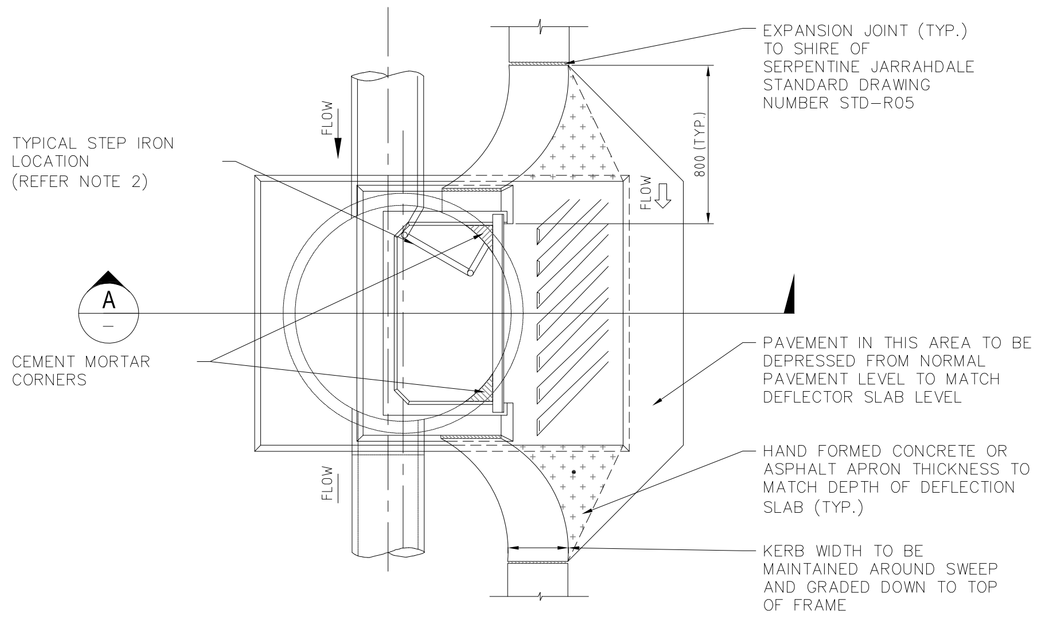
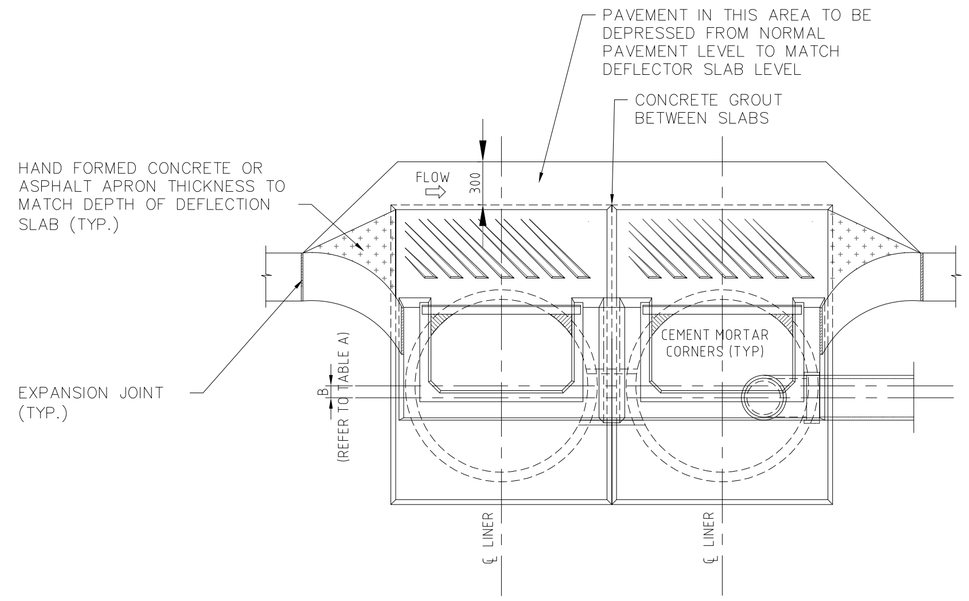
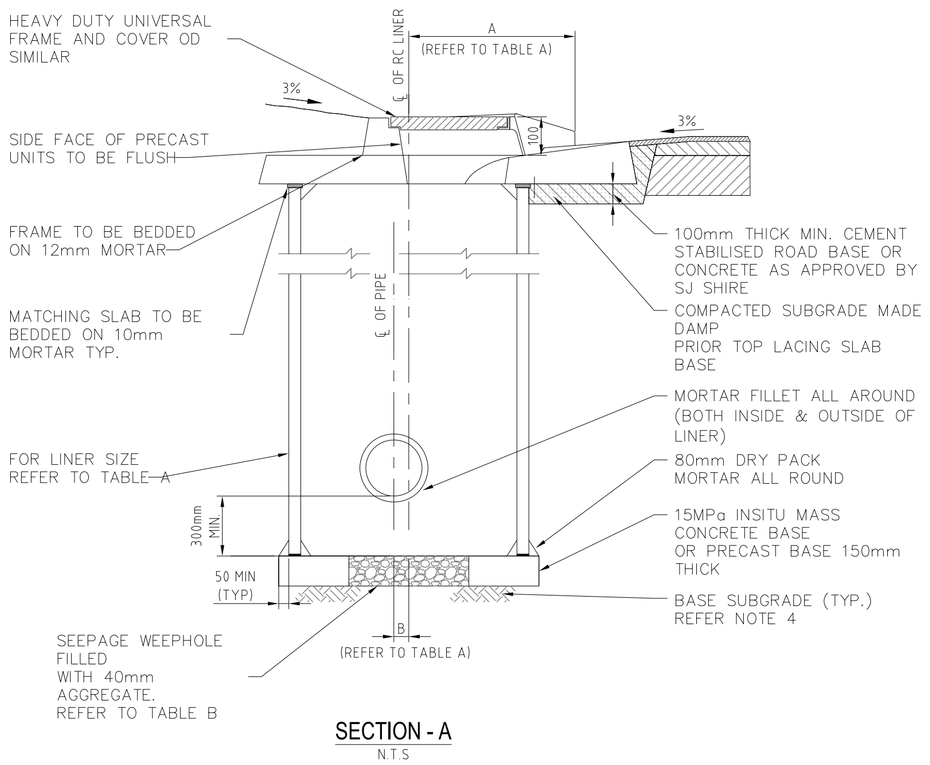


SINGLE SIDE ENTRY PIT
N.T.S



DOUBLE SIDE ENTRY PIT
N.T.S



SECTION - A
N.T.S

TABLE A
DRAINAGE PIT LINER SIZE

NOM.LINER SIZE (mm)	PIPE SIZE MAX. (mm)	LINER TYPE	A (mm)	B (mm)
ø1050	ø450	CONCRETE	830	70
ø1200	ø600	CONCRETE	900	0
ø1500	ø750	CONCRETE	830	220
ø1800	ø900	CONCRETE	830	370

FOR PIPES ø1200 AND LARGER INSTALL A CUSTOM CHAMBER TO SUIT. THE ABOVE TABLE IS APPLICABLE WHERE PIPES INTERSECT AT CENTRE TO CENTRE AND AT 90°. OTHER ANGLES OF INTERSECTION MUST BE AS PER MANUFACTURES REQUIREMENTS.

TABLE B
DRAINAGE PIT SIZE
SOAKAGE HOLE SIZE

LINER SIZE MIN. (mm)	SOAKHOLE DIAMETER (mm)
ø1050	600
ø1200	600
ø1500	900
ø1800	1200

DRAINAGE NOTES :

1. CONCRETE TO BE 20mm NOM AGGREGATE AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 20MPa FOR INSITU BASE AND 40MPa FOR PRECAST UNITS.
2. STEP IRONS TO BE INSTALLED IN PITS WHERE THE DEPTH FROM COVER TO TOP OF BASE EXCEDS 600mm.
3. IN HIGH GROUND WATER AREAS THE BASE AND PIT MUST BE SEALED AND BENCHED.
4. SUBGRADE TO BASE TO BE COMPACTED TO 95% M M D D PRIOR TO PLACING OF BASE
5. BACKFILL SURROUNDING PIT TO BE TO 95% M.M.D.D.
6. ALL PITS TO HAVE A WEEP HOLE IN ACCORDANCE WITH TABLE B, UNLESS IN HIGH GROUND WATER AREAS, SEE NOTE 3 .
7. ALL PITS TO BE TRAPPED WITH MINIMUM 300mm DEPTH BELOW PIPE INVERT.
8. KERBS OTHER THAN MOUNTABLE AS SHOWN TO BE SIMILARLY TREATED BY MAINTAINING WIDTH AROUND SWEEPS AND GRADING DOWN TO COVER TOP OF FRAME.
9. PIPES TO BE FINISHED FLUSH WITH INSIDE OF LINER AND MADE GOOD WITH MORTAR.
10. FOR DOUBLE SIDE ENTRY PITS AT LOW POINTS USE OPPOSING LEFT AND RIGHT HAND DEFLECTORS SO AS TO INTERCEPT FLOW FROM BOTH DIRECTIONS.
11. FOR SINGLE SIDE ENTRY PITS AT LOW POINTS USE FLAT APRON IN LIEU OF DEFLECTION SLAB.
12. PIPE SETOUT LINE CORRESPONDS WITH SETOUT DIMENSIONS FROM ROAD RESERVE BOUNDARY AS SHOWN ON DRAINAGE LAYOUT DRAWINGS .
13. THE CLEAR OPENING BETWEEN APRON SURFACE AND BOTTOM OF COVER IS 120mm.
14. THE MAX. DEVIATION ACROSS THE FACE OF OPENING IS + 2mm.
15. EDGE OF DEFLECTOR SLAB 15mm BELOW NORMAL PAVEMENT LEVEL.
16. A MAXIMUM OF THREE PIPE OPENINGS ARE ALLOWED IN ANY ONE PIT. A MINIMUM WALL WIDTH OF 250mm IS ALLOWED BETWEEN HOLES CUT FOR PIPE OPENINGS.
17. MORTAR TO BE 3:1 SAND:CEMENT MIXTURE

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Amendments

No	Date	Revision	By	Approved
A	30/11/23	ISSUED FOR REVIEW	BV	NS

Scale: AS SHOWN
Datum: N/A

Shire of Serpentine Jarrahdale — Infrastructure and Design

Drawn: BC	Date: 30/11/23	Signed:	
Designed: BV	Date: 30/11/23	Signed:	
Checked: VB	Date: 30/11/23	Signed:	
Manager Engineering Services:		Signed:	

Project: SHIRE OF SERPENTINE JARRAHDALE
STANDARD DRAWINGS

Title: DRAINAGE - TYPICAL SIDE ENTRY PIT

Synergy No:	
Trim No:	
Sheet No:	1 OF 1
Revision No:	A
DWG No:	STD-D01