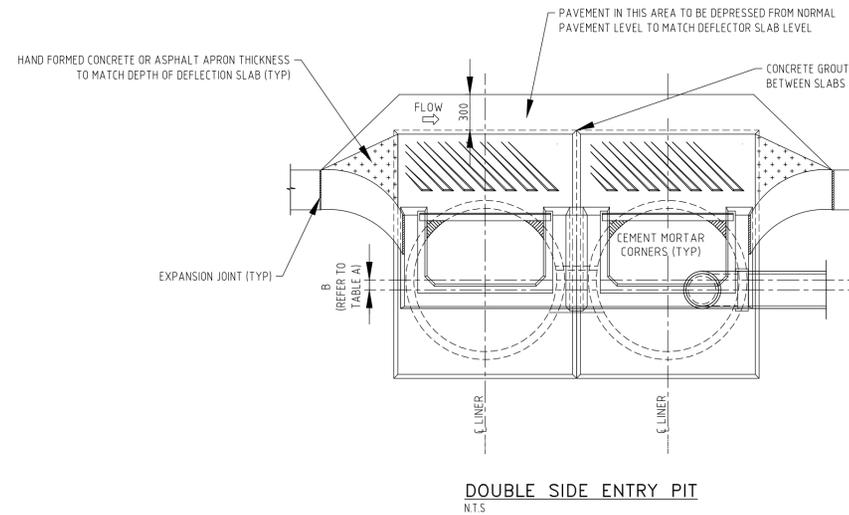


SINGLE SIDE ENTRY PIT
N.T.S.



DOUBLE SIDE ENTRY PIT
N.T.S.

TABLE A DRAINAGE PIT LINER SIZE					
NOM. LINER SIZE (mm)	PIPE SIZE MAX. (mm)	LINER TYPE	A (mm)	B (mm)	
φ1050	φ450	CONCRETE	830	70	
φ1200	φ600	CONCRETE	900	0	
φ1500	φ750	CONCRETE	830	220	
φ1800	φ900	CONCRETE	830	370	

FOR PIPES φ1200 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.

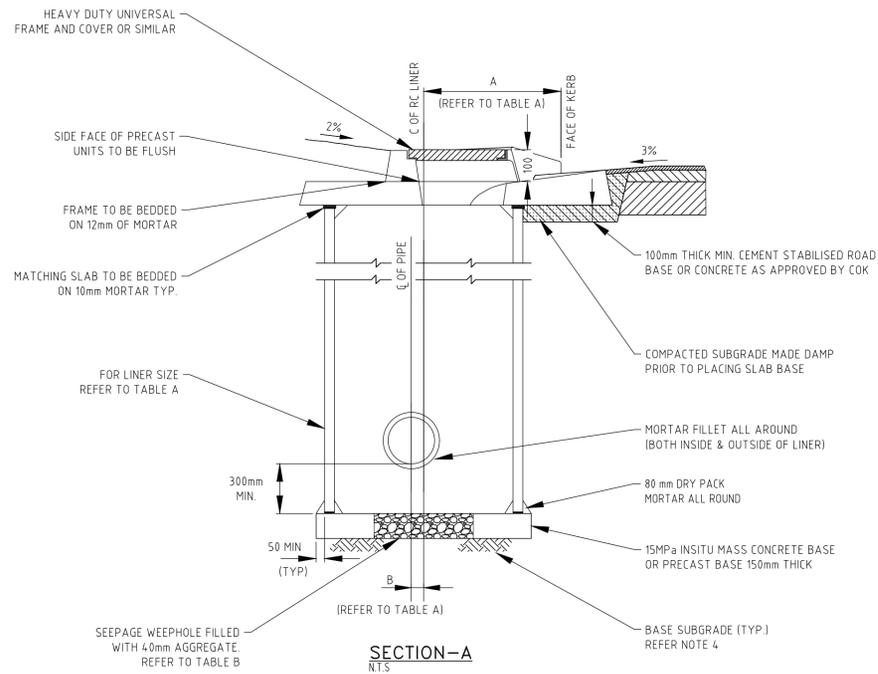


TABLE B DRAINAGE PIT BASE SOAKAGE HOLE SIZE	
LINER SIZE MIN. (mm)	SOAKHOLE DIAMETER (mm)
1050	600
1200	600
1500	900
1800	1200

DRAINAGE NOTES:

- 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.
- STEP IRONS TO BE INSTALLED IN PITS WHERE THE DEPTH FROM COVER TO TOP OF BASE EXCEEDS 1200mm. STEP IRONS TO BE LOCATED ON THE SIDE WITH LEAST INTERFERENCE FROM PIPES IN ALL JUNCTION PITS, GULLY'S, SIDE ENTRY AND/OR COMBINATION PITS. THIS IS TO ENSURE STEP INTERVALS AREN'T COMPROMISED AND ACCESSIBILITY IS MAINTAINED.
- IN HIGH GROUND WATER AREAS THE BASE AND PIT MUST BE SEALED AND BENCHED.
- SUBGRADE TO BASE TO BE COMPACTED TO 95% M.M.D.D PRIOR TO PLACING OF BASE.
- BACKFILL SURROUNDING PIT TO BE TO 95% M.M.D.D.
- ALL PITS TO HAVE A WEEP HOLE IN ACCORDANCE WITH TABLE B, UNLESS IN HIGH GROUND WATER AREAS, SEE NOTE 3.
- ALL PITS TO BE TRAPPED WITH MINIMUM 300mm DEPTH BELOW PIPE INVERT.
- KERBS OTHER THAN MOUNTABLE AS SHOWN TO BE SIMILARLY TREATED BY MAINTAINING WIDTH AROUND SWEEPS AND GRADING DOWN TO COVER TOP OF FRAME.
- PIPES TO BE FINISHED FLUSH WITH INSIDE OF LINER AND MADE GOOD WITH MORTAR.
- FOR DOUBLE SIDE ENTRY PITS AT LOW POINTS USE OPPOSING LEFT AND RIGHT HAND DEFLECTORS SO AS TO INTERCEPT FLOW FROM BOTH DIRECTIONS.
- FOR SINGLE SIDE ENTRY PITS AT LOW POINTS USE FLAT APRON IN LIEU OF DEFLECTION SLAB.
- PIPE SETOUT LINE CORRESPONDS WITH SETOUT DIMENSIONS FROM ROAD RESERVE BOUNDARY AS SHOWN ON DRAINAGE LAYOUT DRAWINGS.
- THE CLEAR OPENING BETWEEN APRON SURFACE AND BOTTOM OF COVER IS 120mm.
- THE MAX. DEVIATION ACROSS THE FACE OF OPENING IS + 2mm.
- EDGE OF DEFLECTOR SLAB 15mm BELOW NORMAL PAVEMENT LEVEL.
- 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.
- MORTAR TO BE 3:1 SAND:CEMENT MIXTURE

REV	DATE	DESCRIPTION	DRAWN
F	06/22	DRAWING NOTE 2 AMENDED	J.M
E	06/19	REVIEW COMPLETED & DRAFTING AMENDMENTS MADE	J.M
D	06/18	AGGREGATE SIZE AMENDED FROM 20mm TO 40mm	J.M
C	05/17	BRICK CHAMBER MANHOLE REMOVED & DRAFTING AMENDMENTS	J.M
B	09/12	CITY OF KWINANA LOGO ADDED	J.M
A	04/09	ADOPTED BY TOWN OF KWINANA	V.K

ASSOCIATE CONSULTANT:
J.M



PROJECT:	
STANDARD DETAILS TYPICAL SIDE ENTRY PIT	
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FAX: (08) 9439 0222	
EMAIL: admin@kwinana.wa.gov.au	
WEB: http://www.kwinana.wa.gov.au	

SCALE	
N.T.S. (A1)	
DESIGN: S.S	CHECK: R.N
DRAWN: J.M	DATE: 05/17
AUTHORISED (MANAGER ENGINEERING SERVICES)	
R.NAJAFZADEH	

DRAWING TITLE	
STANDARD DETAILS TYPICAL SIDE ENTRY PIT	
FILE NO: ENG03	REVISION: F
DRAWING NUMBER: STD-D01	