

CENTRELINE PROFILE -OF KERB OPENING & ROCK PITCHED BATTER TOE OF BATTER -OR INVERT OF TABLE DRAIN CONCRETE APRON PAVEMENT THICKNESS & SLOPE COMPACTED FILL

SECTION-C

BUBBLE-IN PLAN

M10 BOLT-EPOXY GROUTED ~

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DRAWN

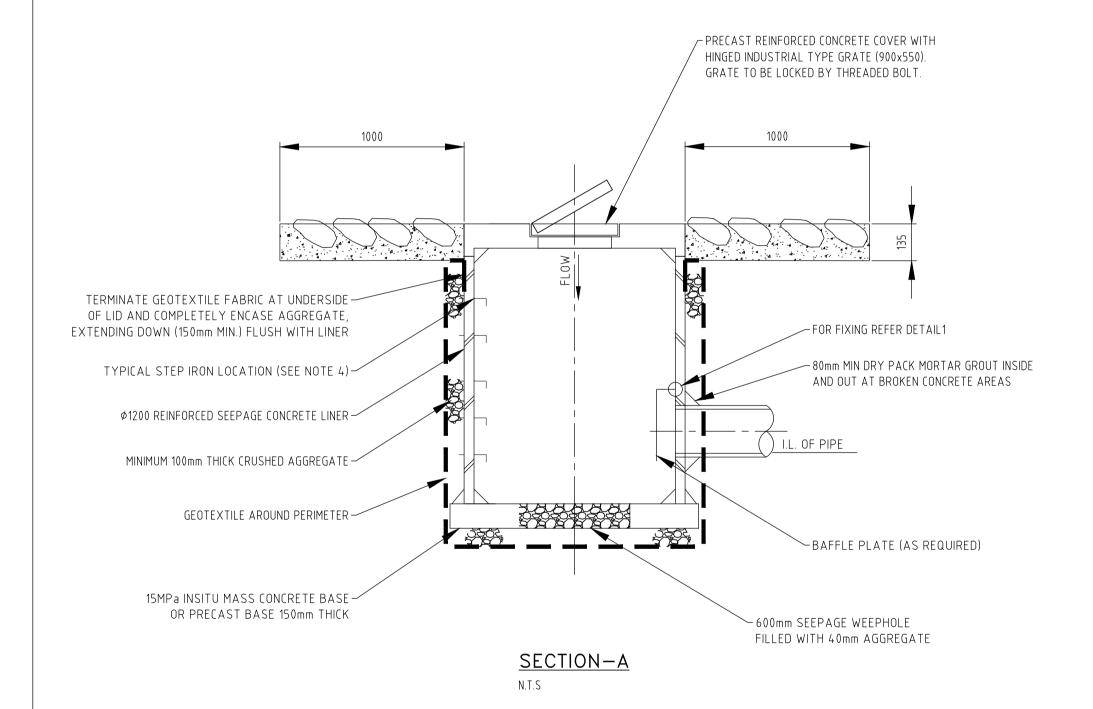
BUBBLE-UP PLAN

PROFILE ROCK PITCHING AT KERB OPENINGS AND ENDS

SURROUNDING

SOIL COMPACTED

TO 95% M.M.D.D



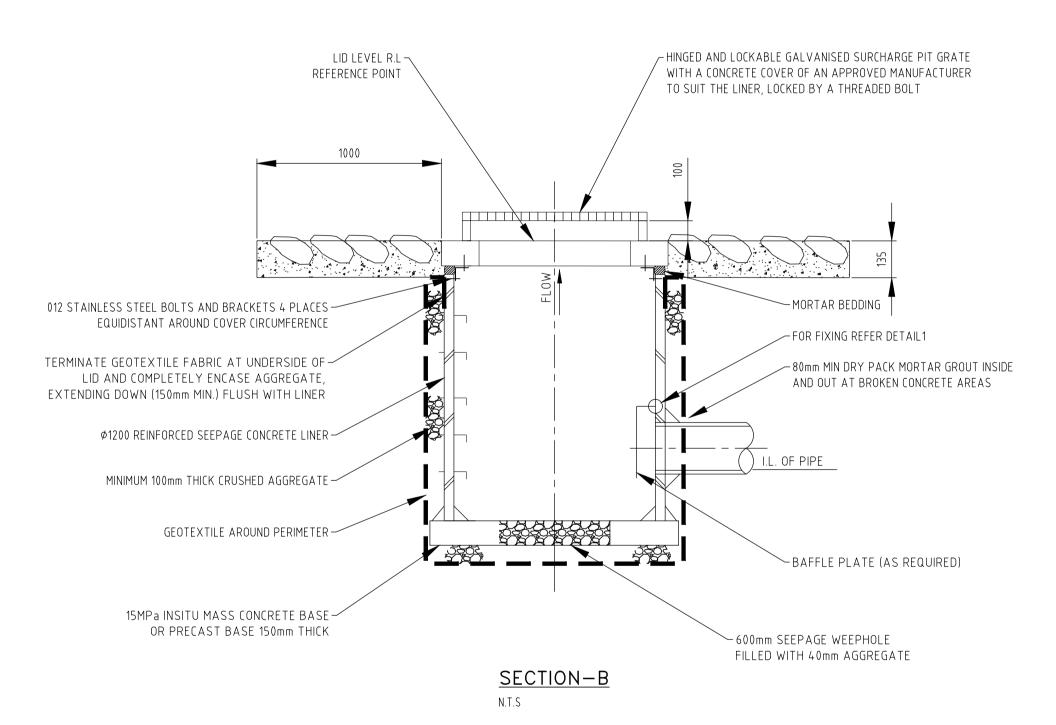


TABLE A

DRAINAGE PIT LINER SIZE

PIPE SIZE

MAX.

(mm)

Ø450

Ø600

φ750

Ø900

FOR PIPES Ø1200 AND LARGER INSTALL A CUSTOM

CHAMBER TO SUIT.

NOM. LINER

SIZE

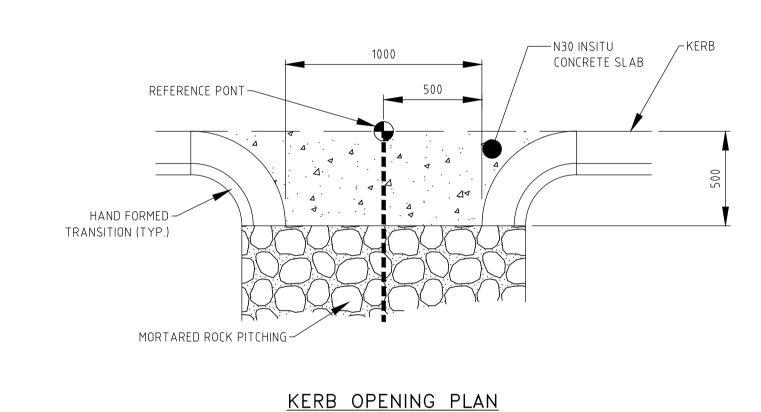
(mm)

Ø1050

Ø1200

Ø1500

Ø1800



NOTES:

REFER TO TYPICAL ~

MORTARED ROCK

PITCHING DETAIL

- 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. ALL COMPONENTS SHALL BE DESIGNED TO ACCEPT LOADINGS IN ACCORDANCE WITH AS3725 AND MANUFACTURER'S GUIDELINES.
- 3. IN HIGH GROUNDWATER AREAS THE BASE AND PIT MUST BE SEALED AND BENCHED.
- 4. 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.
- 5. PIPE JOINTS WITHIN 1.0m OF PIT TO BE SEALED.
- 6. SUBGRADE TO BASE TO BE COMPACTED TO 95% M.M.D.D PRIOR TO PLACING OF BASE.
- 7. BACKFILL SURROUNDING PIT TO BE TO 95% M.M.D.D.
- 8. ALL PITS TO HAVE A WEEP HOLE IN ACCORDANCE WITH TABLE B, UNLESS IN HIGH GROUND WATER AREAS, SEE NOTE 3.
- 9. A MAXIMUM OF THREE PIPE OPENINGS ARE ALLOWED IN ANY ONE JUNCTION PIT. A MINIMUM WALL WIDTH OF 250mm IS ALLOWED BETWEEN HOLES CUT FOR PIPE OPENINGS.
- 10. ALL PITS TO BE TRAPPED WITH MINIMUM 300mm DEPTH BELOW PIPE INVERT.
- 11. PIPES TO BE FINISHED FLUSH WITH INSIDE OF LINER AND MADE GOOD WITH MORTAR.



LINER TYPE

CONCRETE

CONCRETE

CONCRETE

CONCRETE

PROJECT: STANDARD DETAILS BUBBLE UP & ROCK PITCHING

TABLE B

DRAINAGE PIT BASE SOAKAGE HOLE

SIZE

LINER SIZE MIN.

(mm)

1050

1200

1500

1800

SOAKHOLE

DIAMETER

(mm)

600

600

900

1200

Г.S (A1)
CHEĆK F
d DATE OS
MANAGER ENGINEERI

DRAWING TIT	LE	
	STANDARD DETAILS	
	BUBBLE UP &	
	ROCK PITCHING	
FILE NO.	ENG03	
	IDED	Laevu

	6:1 SAND/CREAM CEMENT MORTAR TYPICAL MORTARED ROCK PITCHING DETAIL N.T.S	φ10 ROD × 40 LONG WELDED TO BOLT. GAP TO SUIT BAFFLE SAND BAFFLE LIP DETAIL—1 N.T.S
		ACCOCIATE CONCIN TANT
		ASSOCIATE CONSULTANT:

NOMINAL 150mm -

D 06/22 GEOTEXTILE FABRIC DETAIL AMENDED TO COMPLETELY ENCASE AGGREGATE

B 06/18 AGGREGATE AMENDED FROM 20mm TO 40mm & KERB OPENING APRON TO BE CONCRETE

DESCRIPTION

C 06/19 REVIEW COMPLETED & DRAFTING AMENDMENTS MADE

ADOPTED BY CITY OF KWINANA

A 05/17

REV DATE

LIMESTONE SPALLS

Kwinana

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