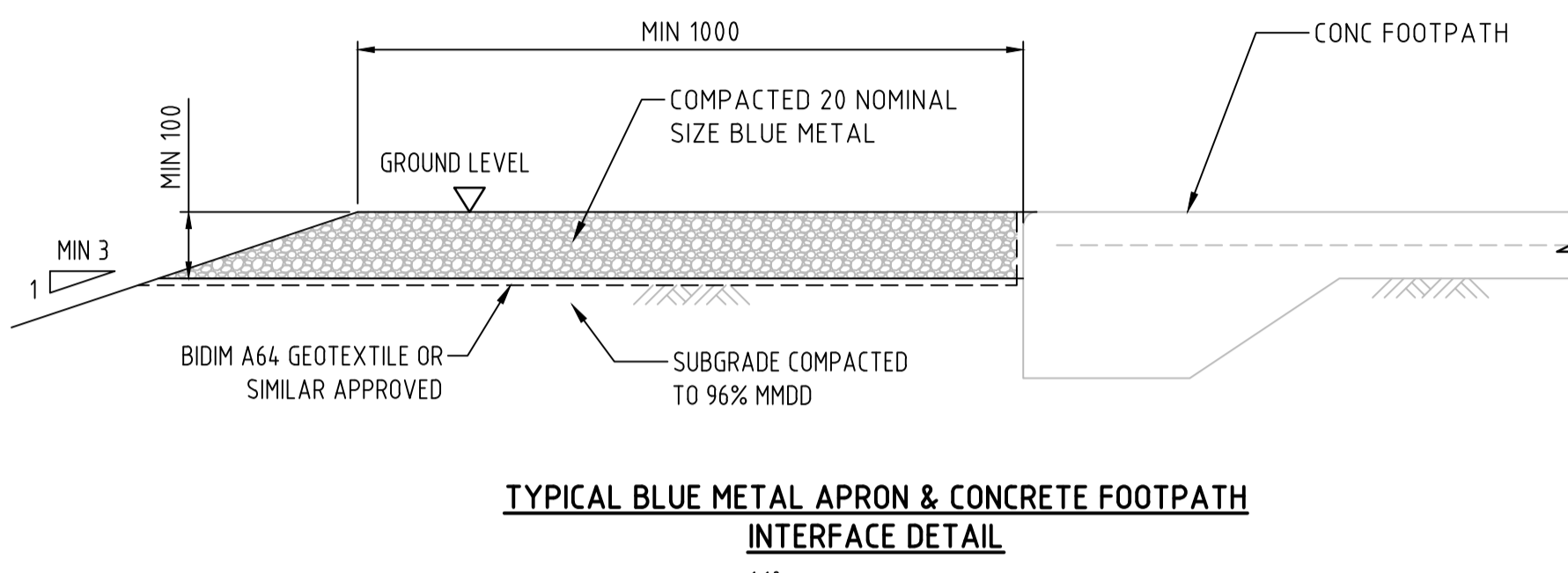


STORMWATER CALCULATIONS	
TOTAL CATCHMENT AREA	4,470 m <sup>2</sup>
AVERAGE RUNOFF COEFFICIENT	0.95
ASSUMED MAXIMUM GROUND WATER LEVEL	1.00 m AHD
ASSUMED SOIL PERMEABILITY RATE	4m/day
DESIGN INFLOW VOLUME FOR 1% AEP (100 Yr ARI) AT 24 HOUR CRITICAL STORM DURATION TO RIA REQUIREMENTS	156m <sup>3</sup>
AVAILABLE STORAGE VOLUMES IN 11 SWALES	169 m <sup>3</sup> > 156 m <sup>3</sup> THEREFORE OK

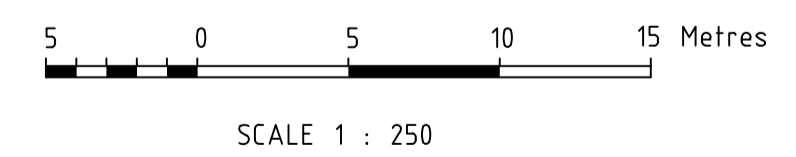


**GENERAL NOTES**

- ALL DIMENSIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.
  - VERTICAL DATUM TO AUSTRALIAN HEIGHT DATUM (AHD)
- STORMWATER DRAINAGE**
- ALL uPVC PIPES SHALL CONFORM TO AS 1254.
  - ALL STORMWATER DRAINAGE PIPES DN300 OR SMALLER, SHALL BE uPVC. PIPES LARGER THAN DN300 SHALL BE RC PIPE.
  - ALL CONCRETE LINERS SHALL CONFORM TO AS 3725 AND AS 4058 CLASS 2 UNLESS NOTED OTHERWISE.
  - ALL STORMWATER uPVC PIPES SHALL BE MIN. CLASS SN8 UNO. COVER TO BE 600mm MIN.
  - COORDINATE LOCATION OF ALL IN GROUND SERVICES (PIPES, PITS, CONDUITS, ETC) WITH ALL EARTHWORKS, FOOTPATHS AND DRAINAGE STRUCTURES.

**LEGEND**

- PROPOSED DRAINAGE SWALE
- PROPOSED DIVERSION DRAIN
- PROPOSED 1.0m WIDE BLUE METAL APRON
- PROPOSED FINISHED DESIGN LEVEL (m AHD)
- PROPOSED BUILDING FINISHED FLOOR LEVEL (m AHD)

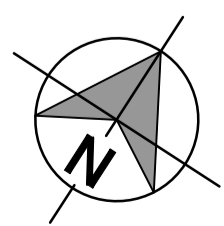


REV	DATE	DESCRIPTION	DRN	CHD	APP
B	26.07.22	PRELIMINARY DESIGN	KV	CAG	
A	22.07.22	PRELIMINARY DESIGN	KV	CAG	

**FORTH**

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GENERAL NOTES: CONTRACTOR TO CHECK ALL DIMENSION ON-SITE REFER ANY DISCREPANCIES TO ARCHITECT FOR A DECISION, PRIOR TO COMMENCING ANY WORK OR PREPARING SHOP DRAWINGS



CLIENT:  
**PLACE DEVELOPMENT**

ARCHITECT:

PROJECT:  
STAFF ACCOMMODATION  
WADJEMUP LODGE REDEVELOPMENT  
ROTTNEST ISLAND

DRAWING TITLE:  
CIVIL WORKS  
DRAINAGE CONCEPTUAL PLAN

**PRELIMINARY ISSUE**

DRAWN:	KV	DATE:	22.07.22
DESIGN:	CAG	SHEET SIZE:	A1
CHECKED:	CAG	SCALE:	1:250
PROJECT NUMBER:	22-243		REV:
DRAWING NUMBER:	SKC-001		B