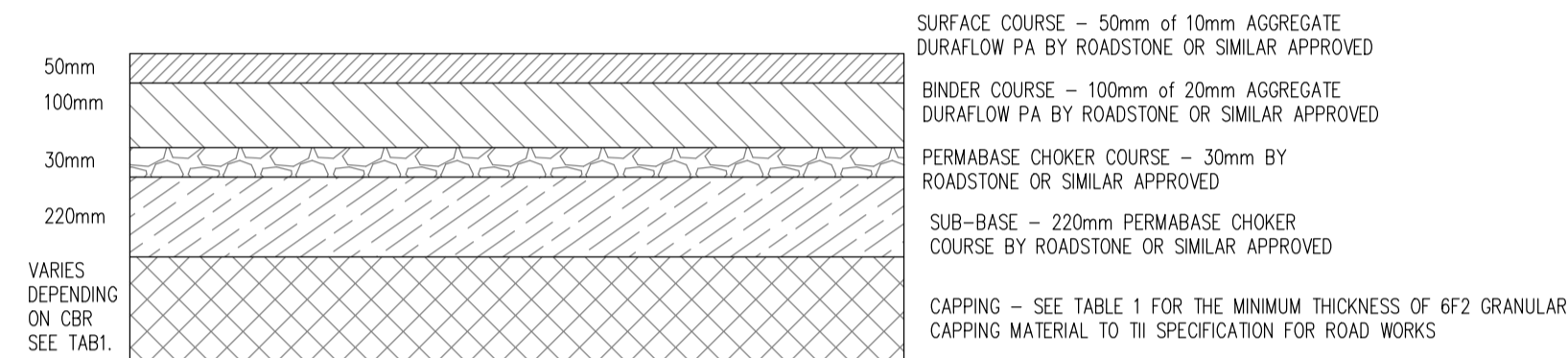
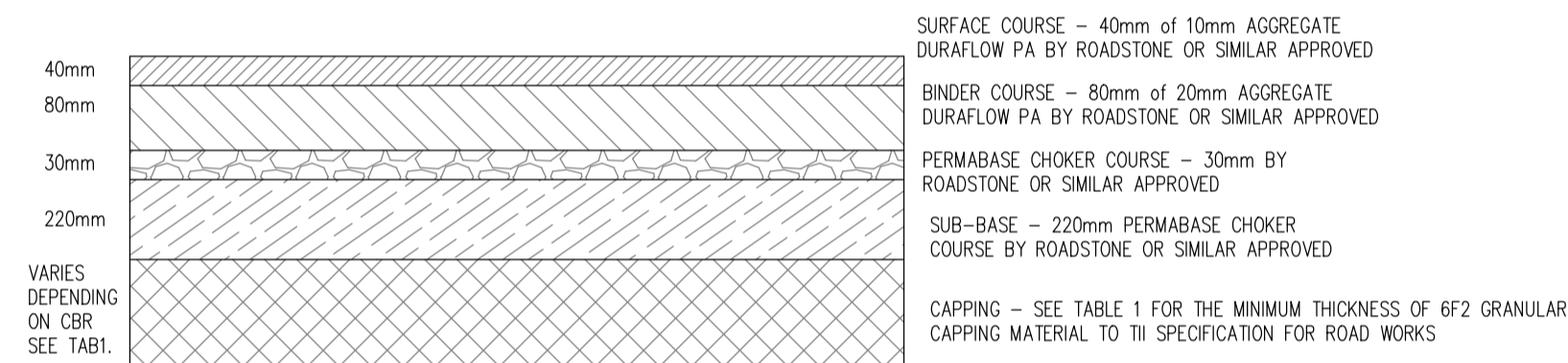


PERMEABLE PAVING



MAIN ROAD - TYPE A

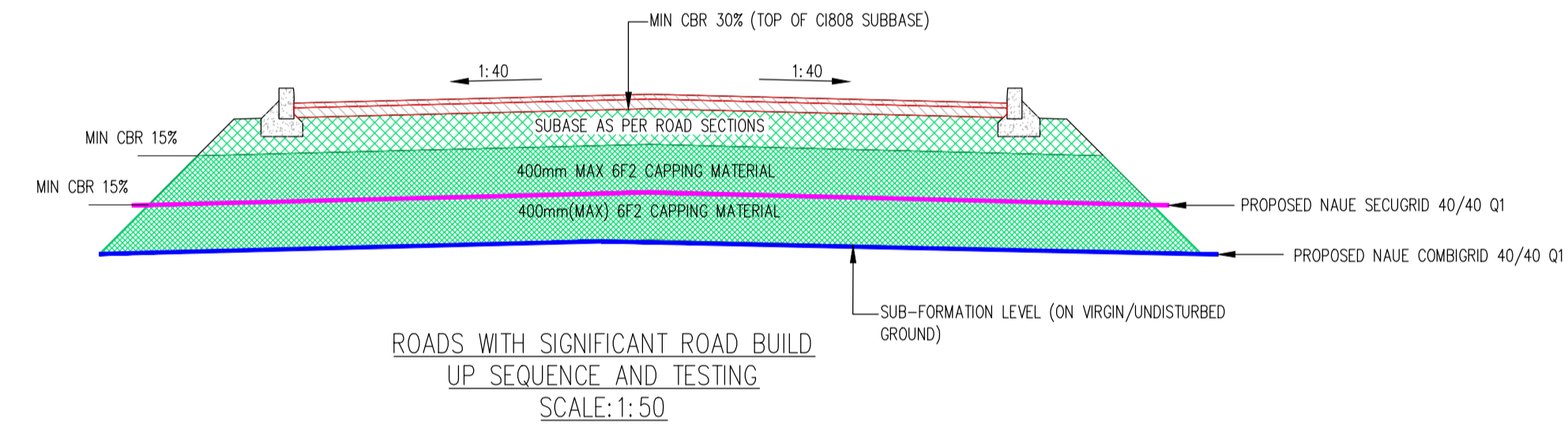


CAR PARK - TYPE B

1. GEGRID TO BE INSTALLED AS PER THE MANUFACTURERS REQUIREMENTS.
2. MIN CBR VALUES TO BE ACHIEVED:
15% TOP OF CAPPING LAYERS
30% TOP OF C804 SUB BASE LAYERS.
3. GEOTEXTILE SEPERATION MEMBRANE TO BE INSTALLED AT SUB-FORMATION LEVEL. THE PROPOSED MATERIAL SHALL BE MANUFACTURED FROM SYNTHETIC MEMBRANE, THERMALLY BONDED OR SIMILAR TYPE APPROVED BY ENGINEER.

LEGEND

- PROPOSED NAUE COMBGRID 40/40 Q1
- PROPOSED NAUE SECUGRID 40/40 Q1
- PROPOSED GEOTEXTILE SEPERATION MEMBRANE
- PROPOSED 6F2 CAPPING MATERIAL
- PROPOSED C804 SUB BASE
- BINDER COURSE
- COURSE



ROADS WITH SIGNIFICANT ROAD BUILD UP SEQUENCE AND TESTING
SCALE: 1:50

TABLE 1

FLEXIBLE PAVEMENT

THE MINIMUM REQUIRED THICKNESS OF NON-FROST SUSCEPTIBLE CAPPING MATERIAL IS SHOWN HEREUNDER:-

CBR SUBGRADE	BELOW 2	2 - 5	5 - 15	15+
THICKNESS OF GEOTEXTILE	DESIGN	300	150	NO
CAPPING(mm)				CAPPING

CBR TESTS SHALL BE CARRIED OUT AT A RATE OF ONE TEST PER 100 METERS OF ROAD

ALL ROADS DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS AND WITH REFERENCE TO THE DESIGN MANUAL FOR URBAN ROADS AND STREETS

NOTES:

1. FOR AREAS WHERE CBR VALUE IS BELOW 2%, CARRY OUT THE FOLLOWING:
-THE SOFT AREA IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A GENERAL FILL MATERIAL (CLASS 1A/1B) TO T1 SPECIFICATION TO THE UNDERSIDE OF A GEOTEXTILE LAYER (ENW490 TO 40 OR SIMILAR 40kN/m), SEPERATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.
AN ENGINEER SHOULD INSPECT THE SOFT AREA WHEN IT HAS BEEN FULLY EXCAVATED OUT PRIOR TO THE FILL /STABILISED MATERIAL BEING PLACED/WORKED.
2. FOR AREAS WHERE CBR VALUES ARE BETWEEN 2% AND 5%, CARRY OUT THE FOLLOWING:
-THE SOIL IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A CAPPING MATERIAL TYPE 6F1/6F2 TO T1 SPECIFICATIONS. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1. SEPERATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.

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NOTES

1. For setting out refer to Architect's drawings.
2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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Rev. No.	Date	REVISION NOTE	Dim. By	Chkd. By
P01	2022.07.06	ADDITIONAL BUILD UP ADDED	AB	GL

Architect	MCA Architects Ltd			
Project	Stradbrook Road Development			
Title	ROAD CONSTRUCTION DETAILS SHEET 2 OF 2			
Dwg. No.	BLK-CSC-ZZ-XX-DR-C-0017			
Date	Dim by	Chkd by	Aprvd by	Scale
Oct 2020	AB	GL	NB	AS SHOWN @A1
				Revision P01

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Environment I.S. EN ISO 14001:2004
Energy I.S. EN ISO 50001:2011
Health & Safety OHSAS 18001:2007