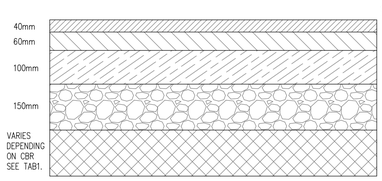


SURFACE COURSE – 40mm MIN THICKNESS OF AC10 CLOSE SURF 70/100 DES TO TII SPECIFICATION FOR ROADWORKS CL 3.1.9.

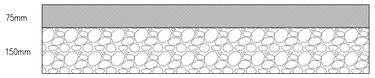
BINDER COURSE – 60mm THICKNESS OF AC20 DENSE BIN 70/100 DES TO TII SPECIFICATION FOR ROADWORKS CL 3.1.5.

ROAD BASE – 100mm MINIMUM THICKNESS OF CA32 DENSE BASE 70/100 DES TO TII SPECIFICATION FOR ROAD WORKS CL 3.1.2.

SUB-BASE – 150mm MINIMUM THICKNESS OF TYPE B GRANULAR FILL MATERIAL TO TII SPECIFICATION FOR ROAD WORKS CLAUSE 804.

CAPPING – SEE TABLE 1 FOR THE MINIMUM THICKNESS OF 6F2 GRANULAR CAPPING MATERIAL TO TII SPECIFICATION FOR ROAD WORKS

ROAD – TYPE A



SURFACE – AC10 OPEN SURF 70/100 DES TO TII SRW CL 3.1.13

SUB BASE – TYPE B GRANULAR FILL MATERIAL TO TII SRW CL 804

TYPICAL BITUMINUS CYCLE TRACK / FOOTPATH CONSTRUCTION

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 CAPPING(mm)	GEOGRID DESIGN	300	150	NO 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 TII SPECIFICATION TO THE UNDERSIDE OF A GEOGRID LAYER (ENKAGRID TC 40 OR SIMILAR 40kN/m). SEPARATION 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 BEEN 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 TII SPECIFICATIONS. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1. SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.

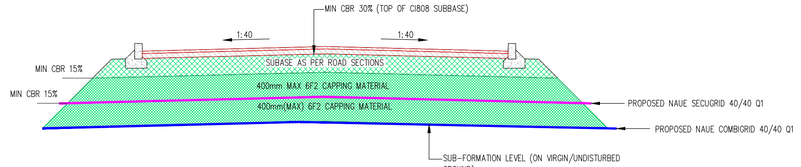
1. GEOGRID TO BE INSTALLED AS PER THE MANUFACTURERS REQUIREMENTS.

2. MIN CBR VALUES TO BE ACHIEVED;
   15% TOP OF CAPPING LAYERS
   30% TOP OF CI804 SUB BASE LAYERS.

3. GEOTEXTILE SEPERATION MEMBRANE TO BE INSTALLED AT SUB-FORMATION LEVEL. THE PROPOSED MATERIAL SHALL BE MANUFACTURED FROM SYNTHETIC MEMBRANE TERMALLY BONDED OR SIMILAR TYPE APPROVED BY ENGINEER.

LEGEND

- PROPOSED NAUE COMBIGRID 40/40 Q1
- PROPOSED NAUE SECUGRID 40/40 Q1
- PROPOSED GEOTEXTILE SEPERATION MEMBRANE
- PROPOSED 6F2 CAPPING MATERIAL
- PROPOSED CI804 SUB BASE
- BINDER COURSE
- COURSE



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

L086

PLANNING DRAWING.
NOT FOR CONSTRUCTION.
ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.
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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.
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Rev. No.	Date	REVISION NOTE	Dm. By	Chkd. By
P01	26.03.2021	DRAWING UPDATED TO LATEST ARCHITECTURAL BACKGROUND. ISSUED FOR PLANNING	AB	GL

Client	COADY ARCHITECTS
Project	DEVELOPMENT AT DEVOY BARRACKS, NAAS
Title	ROAD CONSTRUCTION DETAILS SHEET 2 OF 2
Dwg. No.	DEV-CSC-00-XX-DR-C-0106

Date	Dm by	Chkd by	Aprvd by	Scale	Revision
SEPT '20	AB	GL	NB	AS SHOWN @A1	P01

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