

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)	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

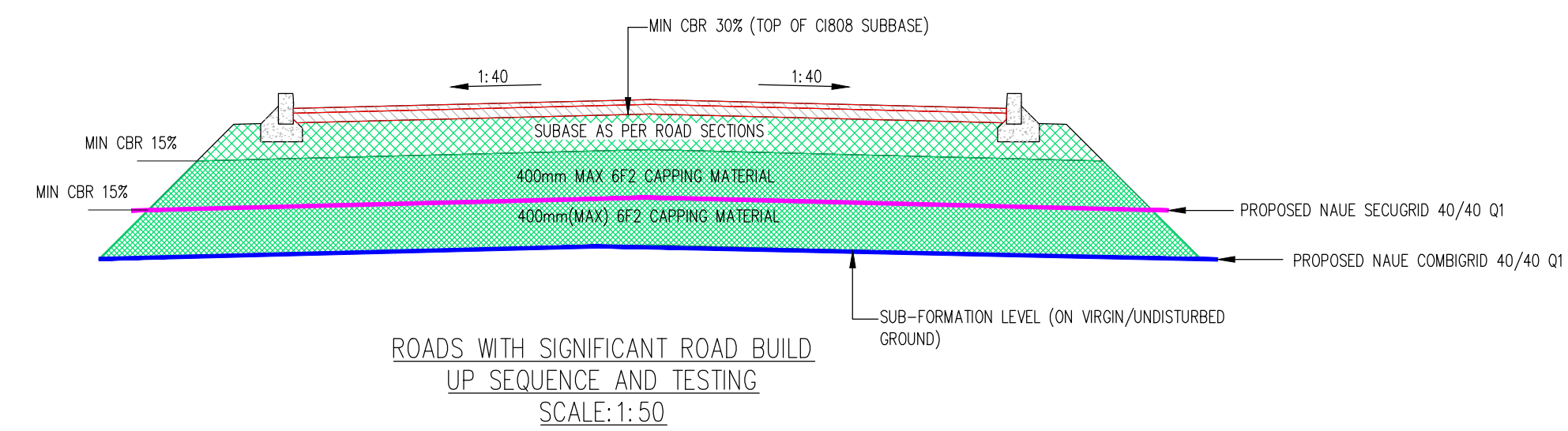
NOTES:

- 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 10 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 BEING PLACED/WORKED.
- 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.

- GEOGRID TO BE INSTALLED AS PER THE MANUFACTURERS REQUIREMENTS.
- MIN CBR VALUES TO BE ACHIEVED:
15% TOP OF CAPPING LAYERS
30% TOP OF C804 SUB-BASE LAYERS.
- 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 01
- PROPOSED NAUE SECUGRID 40/40 01
- PROPOSED GEOTEXTILE SEPERATION MEMBRANE
- PROPOSED 6F2 CAPPING MATERIAL
- PROPOSED C804 SUB-BASE
- BINDER COURSE
- COURSE



PLANNING DRAWING.
NOT FOR CONSTRUCTION.
ALL LEVELS GIVEN ARE
RELATIVE TO ORDNANCE DATUM.
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
PURPOSES ONLY AND MUST NOT BE USED
FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

NOTES

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
- DO NOT SCALE THIS DRAWING. Use figured dimensions only.
- No part of this document may be reproduced or transmitted in any form or stored in any retrieval system of any nature without the written permission as copyright holder except as agreed for use on the project for which the document was originally issued.
- Ordnance Survey Ireland Licence Number EN 0074020

Rev. No	Date	REVISION NOTE	Dim. By	Chkd. By
P01	28.03.2021	DRAWING UPDATED TO LATEST ARCHITECTURAL BACKGROUND. ISSUED FOR PLANNING	AB	GL

Client	COADY ARCHITECTS			
Project	DEVELOPMENT AT DEVROY BARRACKS, NAAS			
Title	ROAD CONSTRUCTION DETAILS SHEET 2 OF 2			
Dwg. No.	DEV-CSC-00-XX-DR-C-0106			
Date	Dim by	Chkd by	Aprvd by	Scale
SEPT '20	AB	GL	NB	AS SHOWN @A1
Revision				P01

CS Consulting Group
DUBLIN | LONDON | LIMERICK

Head Office
19-22 Dame Street, Dublin 2.
T: +353 (0)1 5480863 F: +353 (0)1 9011355
e: info@csconsulting.ie
w: www.csconsulting.ie

NSAI Certified

Quality Environment Health & Safety

I.S. EN ISO 9001:2008
I.S. EN ISO 14001:2004
I.S. EN ISO 50001:2011
OHSAS 18001:2007