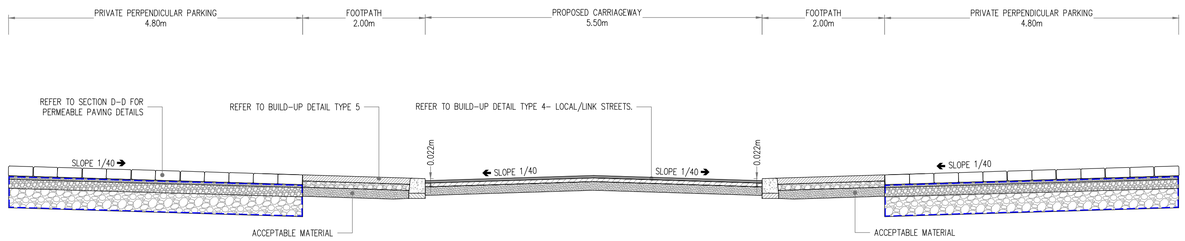


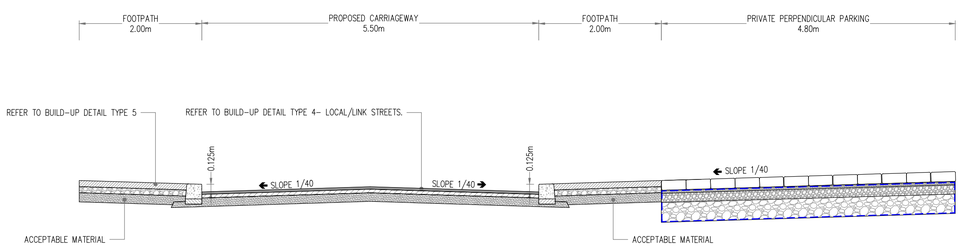
SECTION A-A. ARTERIAL ROAD.

SCALE= 1:50



SECTION B-B. LOCAL/LINK STREETS.

SCALE= 1:50



SECTION C-C. LOCAL/LINK STREETS.

SCALE= 1:50

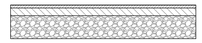
DRAWING REFERENCE:

- REFER TO DRAWING S037-CSC-XX-XX-DR-C-0109 FOR CROSS SECTION LOCATIONS.

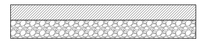
TYPE 1-ARTERIAL ROAD



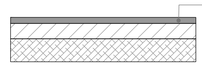
TYPE 2-CYCLETRACK OFF-ROAD.



TYPE 3-FOOTPAH.



TYPE 4- LOCAL/LINK STREETS.



TYPE 5-FOOTPAH.

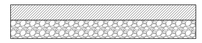


TABLE 1

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:

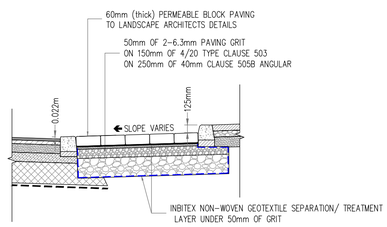
1. FOR AREAS WHERE CBR VALUE IS BELOW 2%, CARRY OUT THE FOLLOWNG:

   -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 FOLLOWNG:

   -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.



SECTION D-D.

SCALE= 1:50

NOTE:

SPECIFICATION FOR SUB-BASE AND LAYING COURSE:-THE CRUSHED STONE MUST POSSESS WELL DEFINED EDGES AND HAVE A MINIMUM 10% FINES VALUE OF 150KN WHEN TESTED IN ACCORDANCE WITH BS812 PART III.

SIEVE SIZE	% PASSING
100mm	100
63mm	90-100
37.5mm	60-80
20mm	15-30
10mm	0-5

S037

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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
P1	02.09.2022	ISSUED FOR PLANNING	JS	OS

Architect	Paul Byrne Architects
Project	Kilcock West SHD 2 Boycetown, Kilcock, Co. Kildare.
Title	Typical Cross Sections
Dwg. No.	S037-CSC-XX-XX-DR-C-0116

Date	Dm by	Chkd by	Aprvd by	Scale	Revision
FEB 2021	JS	NB	OS	AS SHOWN @ A1	P1

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