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For setting out refer to Architect's drawings.

## 19.05.2022 ISSUED FOR PLANNING 10.06.2022 REISSUED FOR PLANNING

THE MINIMUM REQUIRED THICKNESS OF NON-FROST

CBR SUBGRADE | BELOW | 2 - 5 | 5 - 15 | 15+

THICKNESS OF GEOGRID

TEST PER 100 METERS OF ROAD

ROADS AND STREETS

SUSCEPTIBLE CAPPING MATERIAL IS SHOWN HEREUNDER: -

CAPPING(mm) DESIGN 300 150 CAPPING

CBR TESTS SHALL BE CARRIED OUT AT A RATE OF ONE

RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS AND WITH REFERENCE TO THE DESIGN MANUAL FOR URBAN

ALL ROADS DESIGNED IN ACCORDANCE WITH THE

RESIDENTIAL : CUL DE SAC- HOME ZONE

RESIDENTIAL: SPINE ROAD—HEAVILY TRAFFICKED

IN-SITU CONCRETE FOOTPATH.

ROADWORKS.

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

MATERIAL (CLASS 1A/1B) TO THE SPECIFICATION TO THE UNDERSIDE OF

PRIOR TO THE FILL /STABILISED MATERIAL BEEN PLACED/WORKED.

PLACED BETWEEN THE SUBGRADE AND CAPPING.

-THE SOFT AREA IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A GENERAL FILL

A GEOGRID LAYER (ENKAGRID TC 40 OR SIMILAR 40kN/m). SEPARATION GEOTEXTILE TO BE

AN ENGINEER SHOULD INSPECT THE SOFT AREA WHEN IT HAS BEEN FULLY EXCAVATED OUT

2. FOR AREAS WHERE CBR VALUES ARE BETWEEN 2% AND 5%, CARRY OUT THE FOLLOWING:

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.

-THE SOIL IS TO BE EXCAVATED OUT FULLY AND REPLACED WITH A CAPPING

SURFACE COURSE - 40mm MIN THICKNESS OF SMA SURF (IS EN 13108-5) 10mm CHIP SIZE

BINDER COURSE - 100mm THICKNESS OF AC 20 DENSE BIN (IS 13108-1) 20mm CHIP SIZE TO TII SPECIFICATION

SUB-BASE - 150mm MINIMUM THICKNESS REFER TO TII PUBLICATION - SERIES 800 (Including Clauses 801-804).

CAPPING - MATERIAL: REFER TO TII PUBLICATION - DN-PAV-0321 (i.e. Class 6F2/6F1, water tables, etc) COMPACTED THICKNESS: REFER TO TII PUBLICATION - DN-PAV-0321 (i.e. CBR, plate compaction,

SURFACE COURSE - 40mm MIN THICKNESS OF SMA SURF (IS EN 13108-5) OR HRA (IS EN 13108-4).

BINDER COURSE - 60mm THICKNESS OF AC 20 DENSE BIN (IS 13108-1) 20mm CHIP SIZE TO TII SPECIFICATION FOR

BASE COURSE- 80mm MINIMUM COMPACTED THICKNESS OF AC 32 DENSE BASE (IS 13108-1) CHIP SIZE 32mm TO TII

SUB-BASE - 150mm MINIMUM THICKNESS REFER TO TII PUBLICATION - SERIES 800 (Including Clauses 801-804).

IN-SITU CONCRETE FOR FOOTWAYS AND PAVED AREAS SHALL MEET

100mm NOMINAL THICKNESS OR AS DESCRIBED IN APPENDIX 11/1.

EXPANSION JOINTS SHALL BE NEATLY FORMED IN STRAIGHT.

RATIO OF 0.43 AND A MIN CEMENT CONTENT OF 240 Kg/m3

THE REQUIREMENTS FOR EXPOSURE CLASS XF4 IN IS EN 206-1. IT SHALL BE MADE, LAID AND CURED IN ACCORDANCE WITH REQUIREMENTS OF THE 1000 SERIES OR OTHERWISE DESCRIBED IN APPENDIX 11/1. IT SHALL BE FINISHED BY FLOATING WITH A WOODEN TROWEL AND WHILE STILL "GREEN" LIGHTLY BRUSHED WITH A BASS BROOM

TO PRODUCE A SLIGHT ROUGHNESS, OR AS OTHERWISE DESCRIBED IN APPENDIX 11/1. IN-SITU CONCRETE SHALL BE LAID TO DESIGN LEVELS AND CROSSFALLS AND BE OF

FOOTPATH CONCRETE SHALL BE C40/50 XF4 EXPOSURE CLASS WITH A WATER/CEMENT

CAPPING - MATERIAL: REFER TO TII PUBLICATION - DN-PAV-0321 (i.e. Class 6F2/6F1, water tables, etc)

COMPACTED THICKNESS: REFER TO TII PUBLICATION - DN-PAV-0321 (i.e. CBR, plate compaction, water tables, etc) FOR ROAD WORKS

10 OR 14mm CHIP SIZE TO TII SPECIFICATION FOR ROADWORKS.

BASE COURSE- 100mm MINIMUM THICKNESS OF CA32 DENSE BASE 70/100 DES TO TIL SPECIFICATION FOR ROAD WORKS.

TO TII SPECIFICATION FOR ROADWORKS.

MINIMUM BITUMINOUS THICKNESS 140mm.

water tables, etc) FOR ROAD WORKS

SPECIFICATION FOR ROAD WORKS. MINIMUM BITUMINOUS THICKNESS 180mm.

FOR ROADWORKS.

PERMEABLE BLOCK PAYING TO LANDSCAPE ARCHITECTS DETAILS - 50mm OF 2-6.3mm PAVING GRIT ON - 150mm OF 4/20 TYPE CLAUSE 503 ON 250mm OF 40mm CLAUSE 505B ANGULAR LAYER UNDER 50mm OF GRIT

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 INBITEX NON-WOVEN GEOTEXTILE SEPARATION/TREATMENT - FALL ACROSS PERMEABLE PAYING TOWARD COLLECTION INSPECTION CHAMBER PERMEABLE PAVING



TESTED IN ACCORDANCE WITH BS812 PART III. SIEVE SIZE % PASSING 100 63mm 90-100 37.5mm 60-80 20mm 15-30 0-5

D098 Rev. No. Date REVISION NOTE Dm. By Chkd. By JFOC Architects CS Consulting Group Proposed Development at SC SS DUBLIN | LONDON | LIMERICK Newcastle, Co. Dublin Head Office 19-22 Dame Street, Dublin 2. T: +353 (0)1 5480863 Typical Road Cross Sections e: info@csconsulting.ie w: www.csconsulting.ie Quality I.S. EN ISO 9001:2008 — Environment I.S. EN ISO 14001:2004 NCA-CSC-ZZ-SI-DR-C-0013 NSAI Energy I.S. EN ISO 50001:2011 Certified Health & Safety OHSAS 18001:2007 **P2** May 2022 DD SS OS AS SHOWN @ A1