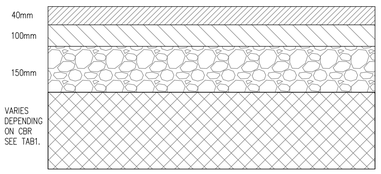


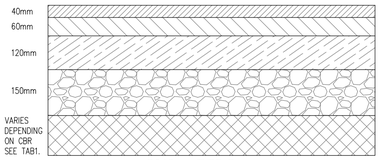
60mm DENSE BITUMEN MACADAM SURFACE COURSE:
AC 14 CLOSE SURF 70/100 (14mm AGGREGATE) TO CLAUSE 912 ON

70mm DENSE BITUMEN MACADAM BASE COURSE:
AC 20mm SURF 40/60 (32mm AGGREGATE) TO CLAUSE 906 ON

150mm GRANULAR SUB-BASE TO CLAUSE 804 (TYPE B) WITH BLINDED SURFACE ON

SELECTED CAPPING TO CLAUSE 613 (CLASS 6F1/2) REFER TO TABLE 1

ROAD – TYPE A

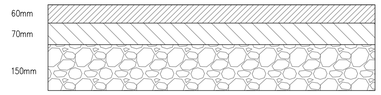


40mm DENSE BITUMEN MACADAM SURFACE COURSE:
AC 14 CLOSE SURF 70/100 (14mm AGGREGATE) TO CLAUSE 912 ON
60mm DENSE BITUMEN MACADAM BINDER COURSE:
AC 20 DENSE BIN 40/60 (20mm AGGREGATE) TO CLAUSE 906 ON
110mm DENSE BITUMEN MACADAM BASE COURSE:
AC 32 DENSE BIN 40/60 (32mm AGGREGATE) TO CLAUSE 906 ON

150mm GRANULAR SUB-BASE TO CLAUSE 804 (TYPE B) WITH BLINDED SURFACE ON

SELECTED CAPPING TO CLAUSE 613 (CLASS 6F1/2) REFER TO TABLE 1

ROAD – TYPE B

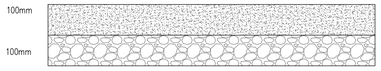


60mm DENSE BITUMEN MACADAM SURFACE COURSE:
AC 14 CLOSE SURF 70/100 (14mm AGGREGATE) TO CLAUSE 912 ON

70mm DENSE BITUMEN MACADAM BASE COURSE:
AC 32 DENSE SURF 40/60 (32mm AGGREGATE) TO CLAUSE 906 ON

150mm GRANULAR SUB-BASE TO CLAUSE 804 (TYPE B) WITH BLINDED SURFACE ON

BUS ROUTE ON SLAB



CONCRETE FOOTPATH WITH BRUSH FINISH TO TII SRW 1106

SUB BASE – TYPE B GRANULAR FILL MATERIAL TO TII SRW CL 804 AND 808

TYPICAL CONCRETE FOOTPATH CONSTRUCTION

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 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.

TABLE 1

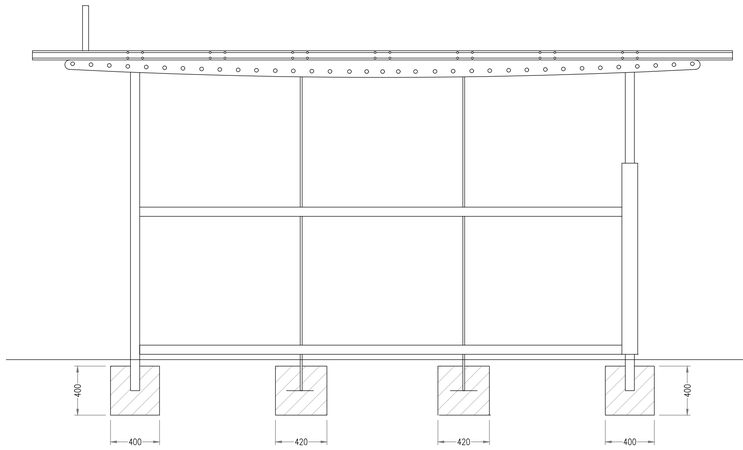
FLEXIBLE PAVEMENT

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

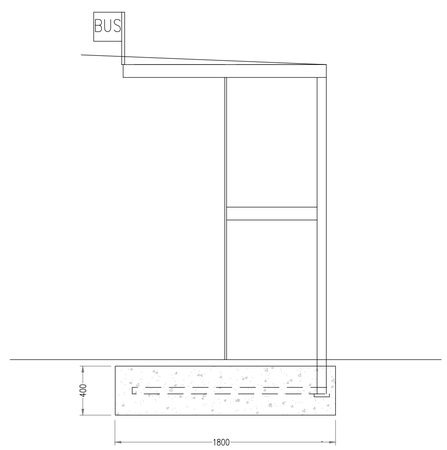
CBR SUBGRADE %	BELOW 2	2 – 5	5 – 15	15+
THICKNESS OF CAPPING(mm)	GEOGRID DESIGN	300	150	NO CAPPING

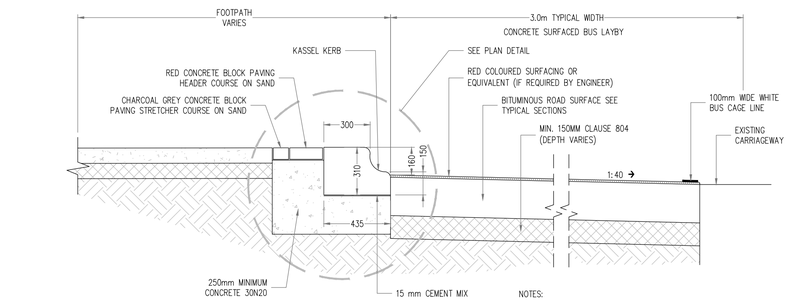
CBR TESTS SHALL BE CARRIED OUT AT A RATE OF ONE TEST PER 100 METERS OF ROAD

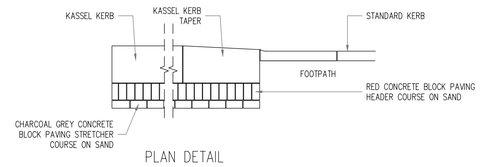
ALL ROADS DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS AND WITH REFERENCE TO THE DESIGN MANUAL FOR URBAN ROADS AND STREETS



BUS SHELTER.
SCALE= 1:25







PLAN DETAIL

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN
2. SUBBASE MATERIAL SHALL COMPLY WITH CLAUSE 804. MATERIAL TO CLAUSE 804 SHALL COMPLY WITH MINIMUM CBR REQUIREMENTS AS PER TII SPECIFICATIONS.
3. KERBS SHALL BE LAID IN ACCORDANCE WITH CLAUSE 101. FOR ACTUAL KERB TYPES SEE LAYOUT DRAWINGS.
4. KASSEL KERBS TO BE DRY BUTT JOINTED.
5. JOINTS SHALL BE PROVIDED AROUND MANHOLE AND OTHER COVERS WITHIN AREA.
6. ALL CLAUSE REFERENCES RELATE TO VOLUME 1 SPECIFICATION FOR ROAD WORKS (TII).
7. THERE SHALL BE A 1m LONG KASSEL KERB TAPER PIECE AT EACH END OF THE KASSEL KERB.

TYPICAL BUS STOP LAYBY AND FOOTPATH CONSTRUCTION WITH KASSEL KERB

SCALE: N.T.S

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
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.
4. 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.
5. Ordnance Survey Ireland Licence Number EN 0074026.

REV	DESCRIPTION	DRN. BY	CHK. BY	DATE
P1	DRAFT ISSUE	JS	LJ	16.01.2026
P2	ISSUED FOR STAGE 2 LRD OPINION	JS	LJ	05.02.2026
P3	ISSUED FOR STAGE 4	JS	FD	17.07.2026

PROJECT	Blocks A and D, Baldoyle, Co. Dublin
CLIENT	LDA
JOB No.	L108
DRAWING No.	L108-CSC-XX-XX-DR-C-0122
STATUS	S4 - Shared (Stage Approval)
TITLE	Road Construction Details Sheet 2 of 2

CS CONSULTING
Civil , Structural & Traffic Engineering
Head Office: 19-22 Dame Street, Dublin 2.
t: +353 (0)1 5480863 e: info@csconsulting.ie w: www.csconsulting.ie

DRAWN BY	CHECKED BY	REVISION
JS	LJ	P3
SCALE	DATE	
AS SHOWN @ A1	DEC 2025	

Last saved by: Juan Solano(17/07/2026) Last Plotted: 17/07/2026 File Location: C:\Users\Juan Solano\Desktop\For Frank\CS Projects\L108\New Folder\L108-CSC-XX-XX-DR-C-0121-0122_PH2_Road Details.dwg