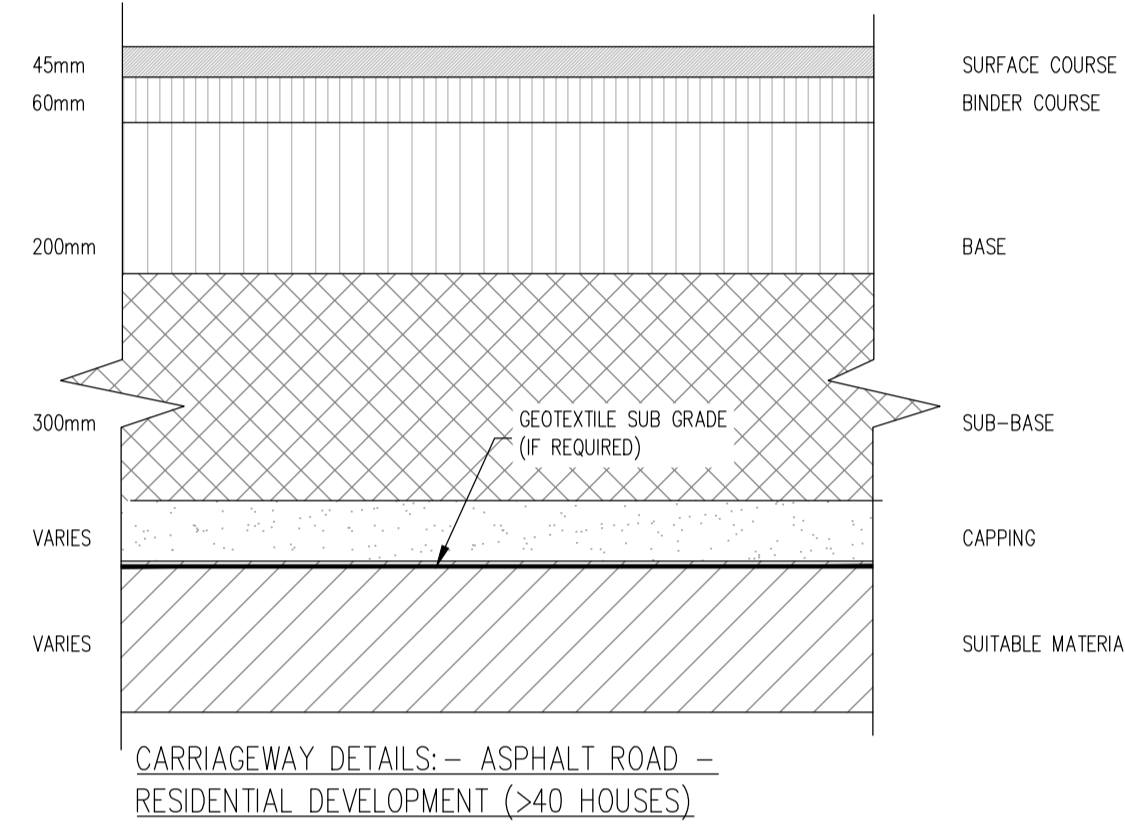
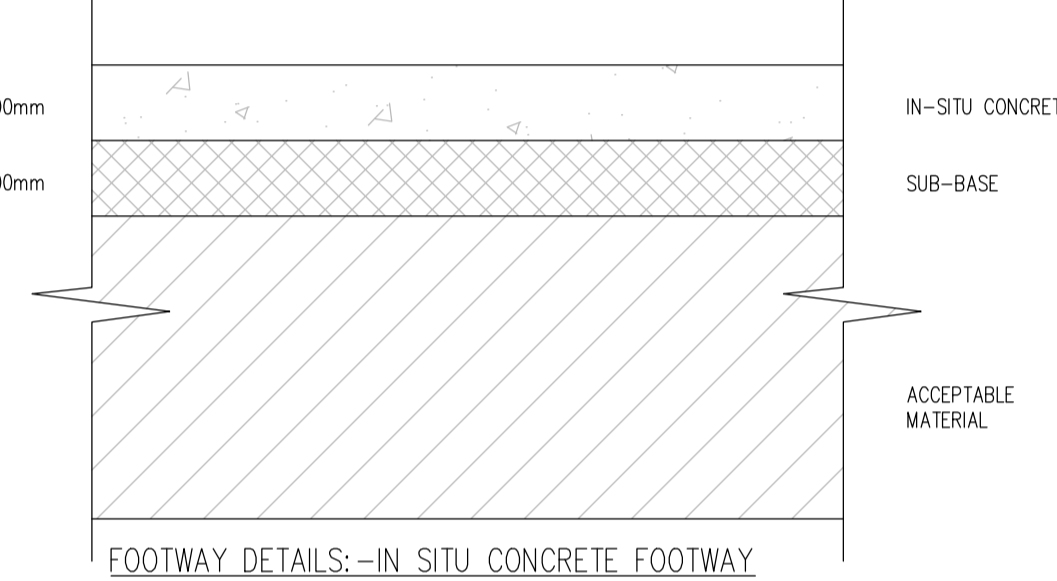


WORK ELEMENT: - ASPHALT ROAD
USE: - RESIDENTIAL DEVELOPMENT (MORE THAN 40 HOUSES)
DESCRIPTION: - AS PER TYPICAL DETAILS
DIMENSIONS: - TO SUIT LOCATION
LAYING: - IN ACCORDANCE WITH NRA SPECIFICATION FOR ROADWORKS 'SRW'
BEDDING: - N/A
SUB-BASE: - TYPE B MATERIAL IN ACCORDANCE WITH CLAUSE 808 AND COMPACTED IN COMPLIANCE WITH CLAUSE 802 SRW
OTHER LAYERS: - CAPPING LAYER THICKNESS DEPENDS ON CBR
JOINTS: - IN ACCORDANCE WITH NRA SPECIFICATION
STANDARDS: -

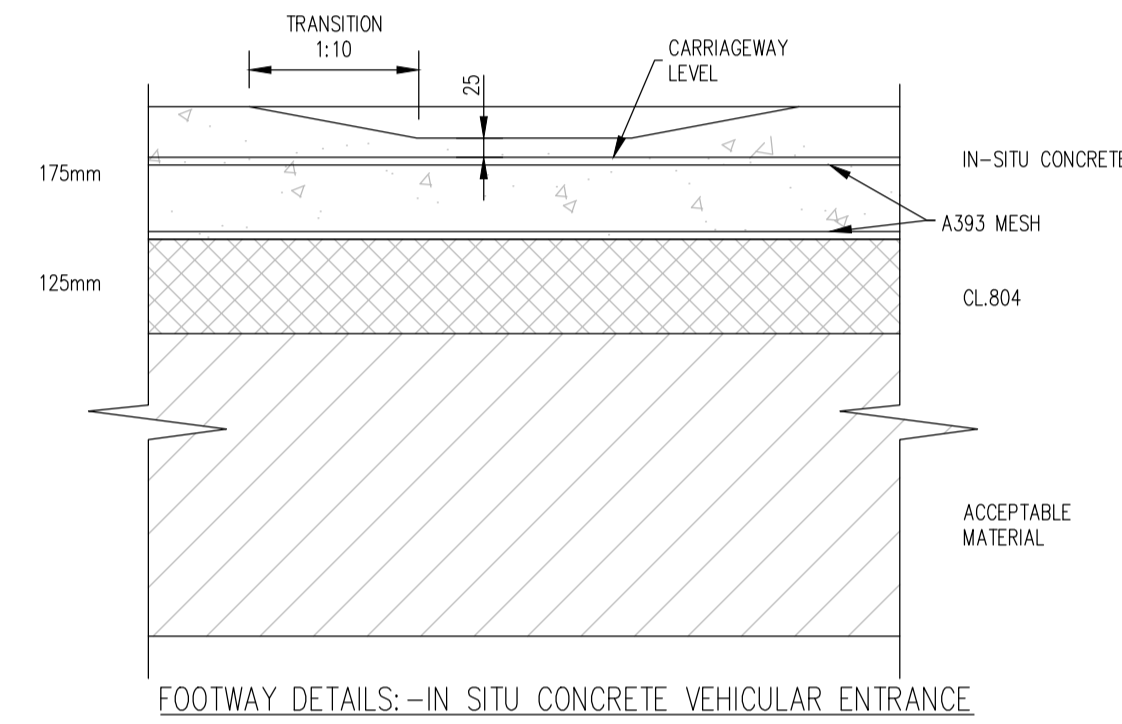
- (A) SURFACE COURSE
 THE SURFACE COURSE EMPLOYED MAY BE ON EACH OF THE FOLLOWING:
 1. HOT ROLLED ASPHALT SURFACE COURSE: SHALL COMPLY WITH THE REQUIREMENT OF CLAUSE 911, 910 AND 943, SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903.
 2. POLYMER MODIFIED STONE MASTIC ASPHALT COURSE: SHALL COMPLY WITH THE REQUIREMENTS OF 942, SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.
 (B) BINDER COURSE
 BINDER COURSE SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 929, 930, 937 AND 943 SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.
 (C) BASE COURSE
 CARRIAGEWAY BASE MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 906, 907, 929 AND 930 SRW. IT SHALL BE LAID AND COMPACTED TO CLAUSE 903 SRW.
 (D) SUB-BASE
 SUB-BASE MATERIAL SHALL COMPRISE TYPE B GRANULAR MATERIAL, IN ACCORDANCE WITH CLAUSE 808 AND COMPACTED IN COMPLIANCE WITH CLAUSE 802 SRW.
 (E) CAPPING LAYER
 IF THE CBR IS LESS THAN 5% THEN A CAPPING LAYER IS REQUIRED. REFER TO TABLE 2.1 FOR DETAILS. CAPPING MATERIAL SHOULD COMPRISE OF CLASS 6F2 MATERIAL IN ACCORDANCE WITH CLAUSE 613 AND COMPACTED IN COMPLIANCE WITH CLAUSE 612 SRW
FINISH: - N/A
MISCELLANEOUS: - THE THICKNESS OF THE MATERIAL DESCRIBED SHALL MEET THE FINISHED OR COMPACTED THICKNESS. THE DIMENSIONS ON THE TYPICAL DETAIL REPRESENTS THE MINIMUM REQUIREMENTS. THE DESIGNER IS STILL RESPONSIBLE FOR PROVIDING APPROPRIATE DEPTHS FOR PROJECTED TRAFFIC REQUIREMENTS, GROUND CONDITIONS AND ANY ADDITIONAL DESIGN. REQUIREMENTS THAT MAY EXIST I.E. (GREATER DEPTHS OF CONSTRUCTION MATERIAL MAY BE REQUIRED). CAPPING IF REQUIRED SHOULD COMPRISE OF 6F1 OR 6F2 MATERIAL IN ACCORDANCE WITH CLAUSE 613 AND COMPACTED IN COMPLIANCE WITH CLAUSE 612.



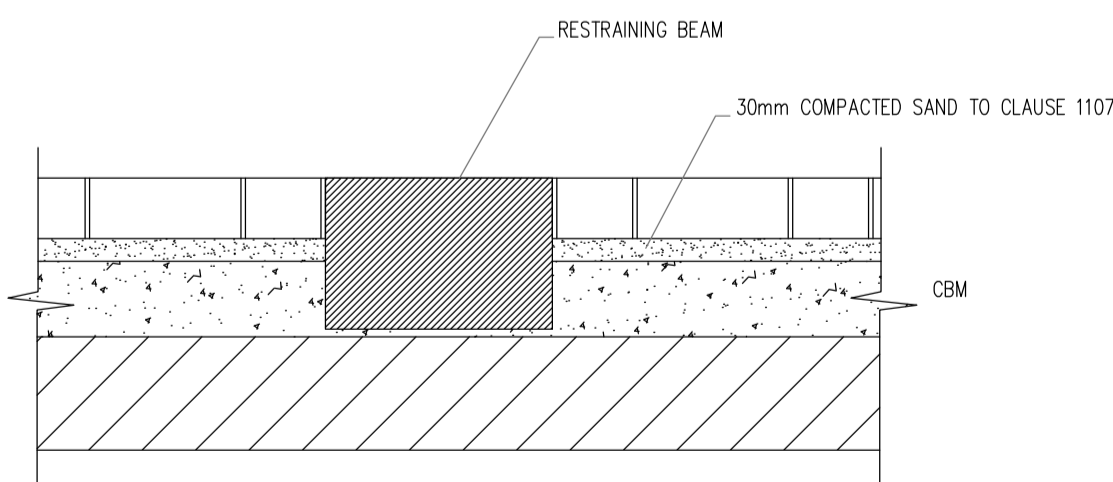
WORK ELEMENT: - IN-SITU CONCRETE
USE: - PEDESTRIAN USE ONLY
DESCRIPTION: - 100mm THICK C30 CONCRETE (TO CL 1106 NRA SPECIFICATIONS)
DIMENSIONS: - TO SUIT LOCATION
LAYING: - IN ONE LAYER
BEDDING: - N/A
SUB-BASE: - 100mm CL808 TI 'SPECIFICATIONS FOR ROADWORKS' (SRW)
OTHER LAYERS: - ACCEPTABLE MATERIAL THAT MEETS THE REQUIREMENTS OF TABLE 6/1 IN VOLUME 1 OF THE SRW
JOINTS: - MAX SPACING OF 3m (SHOULD BE ARRANGED TO CONCOIDE WITH JOINTS IN THE KERB)
STANDARDS: -
 • CURLING OF FOOTPATH - CLAUSE 1027 SRW
 • CEMENT-NORMAL PORTLAND CEMENT IS EN 191-1
 • AGGREGATES FOR CONCRETE: -1.5.5
 • GRANULAR MATERIAL TYPE B: CLAUSE 808 SRW
 • MIX DESIGNATION: - 0/31.5
 • OVERALL GRADING G_s
 • OVERSIZE CATEGORY: - 0c80
FINISH: - FLOAT WITH A TROWEL AND WHILE STILL 'GREEN' LIGHTLY BRUSHED TO PRODUCE SLIGHT ROUGHNESS.
MISCELLANEOUS: -
 • SUSTAINABLE CEMENT (COBS) IS AN ACCEPTABLE ALTERNATIVE TO OPC WITH WRITTEN APPROVAL OF ROAD MAINTENANCE.
 • MATERIAL TO CLAUSE 808 SHALL COMPLY WITH MINIMUM CBR REQUIREMENT AS PER SRW (VOLUME 1).



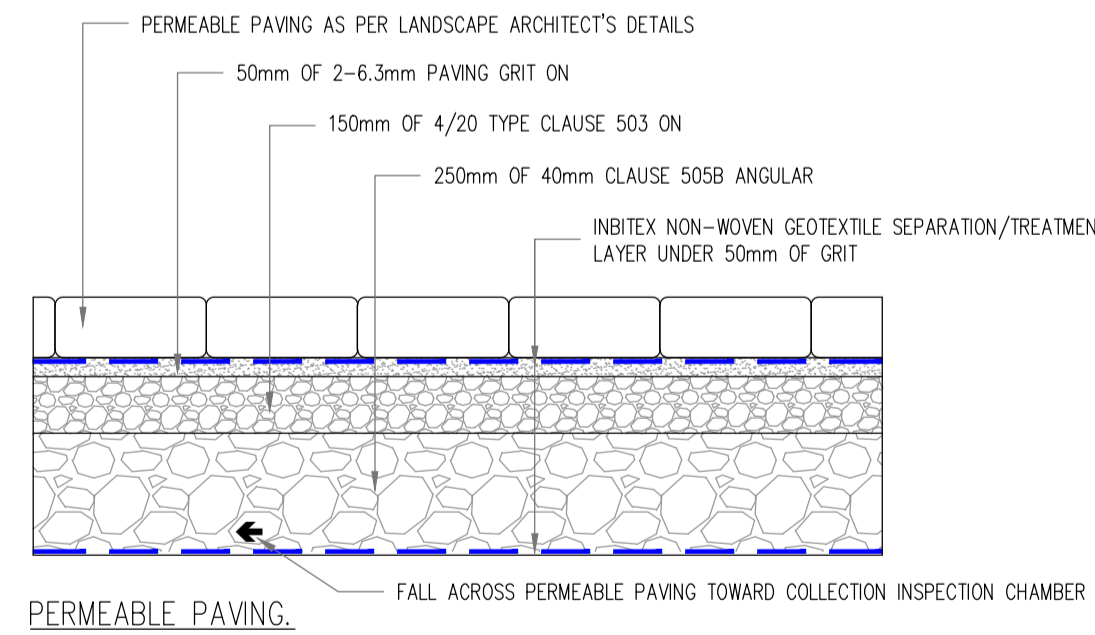
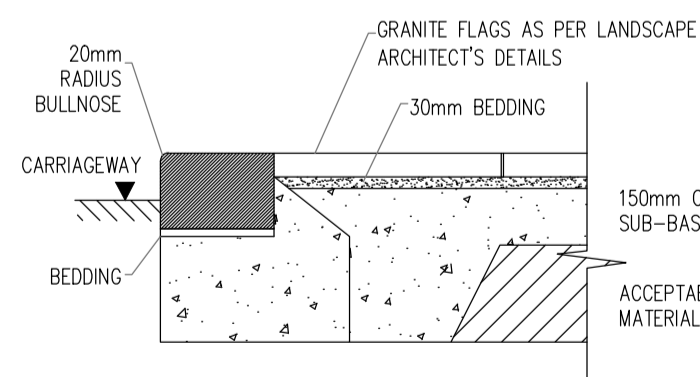
WORK ELEMENT: - IN-SITU CONCRETE
USE: - VEHICULAR ENTRANCE (LESS THAN 5 HOUSES)
DESCRIPTION: - 175mm REINFORCED SLAB C30 (KERB, SEE FOOTWAY DETAILS RM002)
DIMENSIONS: - TO SUIT LOCATION
LAYING: - IN ONE LAYER
BEDDING: - N/A
SUB-BASE: - 125mm CL 808 TI 'SPECIFICATION FOR ROADWORKS' (SRW)
OTHER LAYERS: - ACCEPTABLE MATERIAL THAT MEETS THE REQUIREMENTS OF TABLE 6/1 IN VOLUME 1 OF THE SRW
JOINTS: - MAX SPACING OF 3m (SHOULD BE ARRANGED TO CONCOIDE WITH JOINTS IN THE KERB)
STANDARDS: -
 • CURLING OF FOOTPATH - CLAUSE 1027 SRW
 • CEMENT-NORMAL PORTLAND CEMENT IS EN 191-1
 • AGGREGATES FOR CONCRETE: -1.5.5
 • GRANULAR MATERIAL TYPE B: CLAUSE 808 SRW
 • MIX DESIGNATION: - 0/31.5
 • OVERALL GRADING G_s
 • OVERSIZE CATEGORY: - 0c80
FINISH: - 2 FLOAT WITH A TROWEL AND WHILE STILL 'GREEN' LIGHTLY BRUSHED TO PRODUCE SLIGHT ROUGHNESS.
MISCELLANEOUS: -
 • A393 MESH REINFORCED TOP AND BOTTOM. SURFACE FINISH TO BE BRUSHED FROM 'NON-SLIP' FINISH



WORK ELEMENT: - BLOCK PAVING
USE: - PEDESTRIAN AREA ONLY
DESCRIPTION: - PAVORS SUBJECT TO LANDSCAPE ARCHITECT'S SPECIFICATION.
DIMENSIONS: - SUBJECT TO LANDSCAPE ARCHITECT'S SPECIFICATION.
LAYING: - IN ONE LAYER IN ACCORDANCE WITH BS 6717:PART 3, HERRINGBONE PATTERN
BEDDING: - 30mm
SUB-BASE: - 100mm CEMENT BOUND MATERIAL CATEGORY 3 TO CLAUSE 1038 TI 'SPECIFICATION FOR ROADWORKS' (SRW)
OTHER LAYERS: - ACCEPTABLE MATERIAL IS MATERIAL THAT MEETS THE REQUIREMENTS OF TABLE 6/1 IN VOLUME 1 OF THE SRW
JOINTS: - 2-5mm TO BE FILLED WITH SAND TO TABLE D3 BS 7533:PART 3:1997
STANDARDS: - PRECAST CONCRETE PAVING BLOCKS SHALL BE CHAMBERED AND SHALL COMPLY WITH BS 6717:PART 1
FINISH: - N/A
MISCELLANEOUS: -
 • BOLLARDS SHALL BE INSTALLED AT INTERVALS ALONG THE PAVEMENT EDGE TO PROTECT FOOTWAY
 • HERRINGBONE PATTERN WITH PANELS WITH RESTRAINING BEAMS (MAX. AREA OF PANEL 9sqm.)
 • RESTRAINING BEAM CAN BE A GRANITE KERB SIZE EQUIVALENT TO 300x200mm (WIDTH AND DEPTH)



WORK ELEMENT: - GRANITE FLAGS
USE: - PEDESTRIAN USE ONLY
DESCRIPTION: - AS PER LANDSCAPE ARCHITECT'S DETAILS
DIMENSIONS: - AS PER LANDSCAPE ARCHITECT'S DETAILS
LAYING: - N/A
BEDDING: - SAND/CEMENT 3:1 (30mm THICK)
SUB-BASE: - SEMI-DRY CONCRETE 150mm CEMENT BOUND MATERIAL (CBM) CATEGORY 3 TI 'SPECIFICATION FOR ROADWORKS' (SRW) TO CLAUSE 1038 (THE RATIO BY MASS OF CEMENT TO AGGREGATE SHALL BE SUFFICIENT TO PRODUCE A 7 DAY STRENGTH OF 10/Nmm²)
OTHER LAYERS: - ACCEPTABLE MATERIAL THAT MEETS THE REQUIREMENTS OF TABLE 6/1 IN VOLUME 1 OF THE SRW
JOINTS: - 6mm WIDE GROUT WITH 3:1 SAND/CEMENT WET SLURRY MIX AND FINISHED SLIGHTLY ROUNDED. THE SAND SHALL COMPLY WITH GRADE F IN TABLE 5 OF 1555.
FINISH: - AS PER LANDSCAPE ARCHITECT'S DETAILS
MISCELLANEOUS: - GRANITE SAMPLE ARE TO BE PROVIDED BEFORE COMMENCEMENT OF ALL WORK TO ROAD MAINTENANCE NAME AND ADDRESS OF PROVIDER OR SUPPLIER SHALL BE INDICATED ON THE SAMPLE AS WELL AS IDENTIFICATION OF THE MATERIAL INDICATING TRADE NAME PHOTOGRAPHIC DESCRIPTION, COUNTRY OF ORIGIN AND EXTRACTION AREA. THE PLAN/DIAGONAL THICKNESS DIMENSIONS SHALL COMPLY WITH REQUIREMENTS FOR CLASS 2 IN TABLES 1.2 & 5 EN1341:200.
NOTE: - NOTE IN CERTAIN LOCATIONS DUBLIN CITY COUNCIL REQUIRE HIGH STRENGTH MORTAR BEDDING ETC. PLEASE REFER TO SECTION 5 OF THE CONSTRUCTION STANDARDS FOR ROADS AND STREET WORKS BY DCC.



NOTE:

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

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

TABLE 1

FLEXIBLE PAVEMENT

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

CBR SUBGRADE	BELOW	3	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 TI 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.
- 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 TI SPECIFICATIONS. DEPTHS OF CAPPING MATERIAL AS PER TABLE 1. SEPARATION GEOTEXTILE TO BE PLACED BETWEEN THE SUBGRADE AND CAPPING.

PLANNING DRAWING.
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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.
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Rev. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	16.05.2024	ISSUED FOR STAGE 2 PLANNING	JF	JL
P2	28.06.2024	ISSUED FOR STAGE 3 PLANNING	JS	JF
P3	23.07.2024	ISSUED FOR REVIEW	JS	JF
P4	08.08.2024	ISSUED FOR REVIEW	JF	GF
P5	13.08.2024	ISSUED FOR PLANNING SUBMISSION	JS	GF

Client	LDA
Project	Clongriffin Blocks 5 & 6
Title	Road Construction Details Sheet 2 of 2
Dwg. No.	CLN-CSC-XX-XX-DR-C-0128
Date	MAY 2024
Drn. by	JS
Chkd. by	JF
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Revision	P5

CS Consulting Group
 DUBLIN | LONDON | LIMERICK

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

Quality Environment I.S. EN ISO 9001:2008
 NSAI Certified Energy I.S. EN ISO 14001:2004
 Health & Safety OHSAS 18001:2007