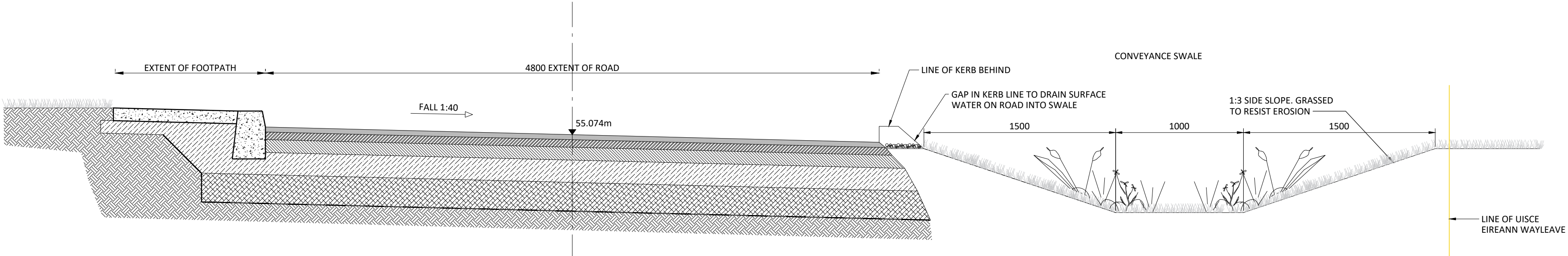


SECTION 1 - 5.5m ROAD SECTION
SCALE 1:25

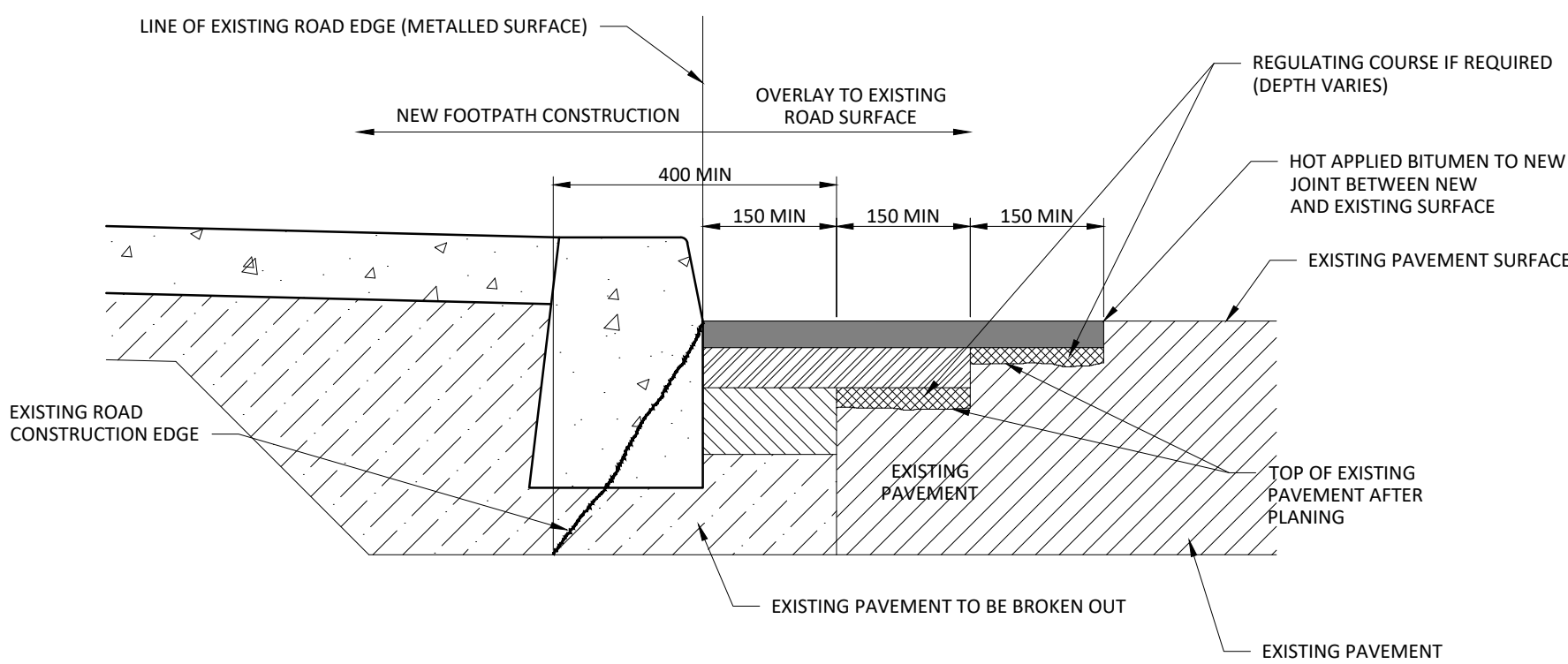
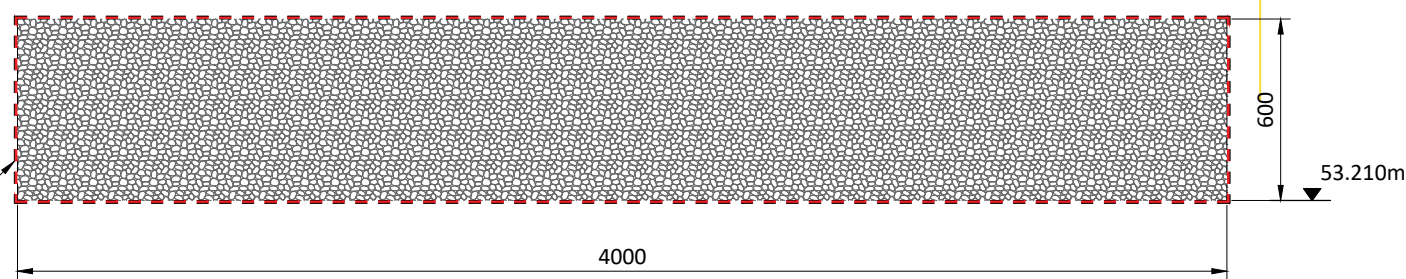


SECTION 2 - 4.8m ROAD SECTION AND SWALE
SCALE 1:25

STORM CATCHMENT B

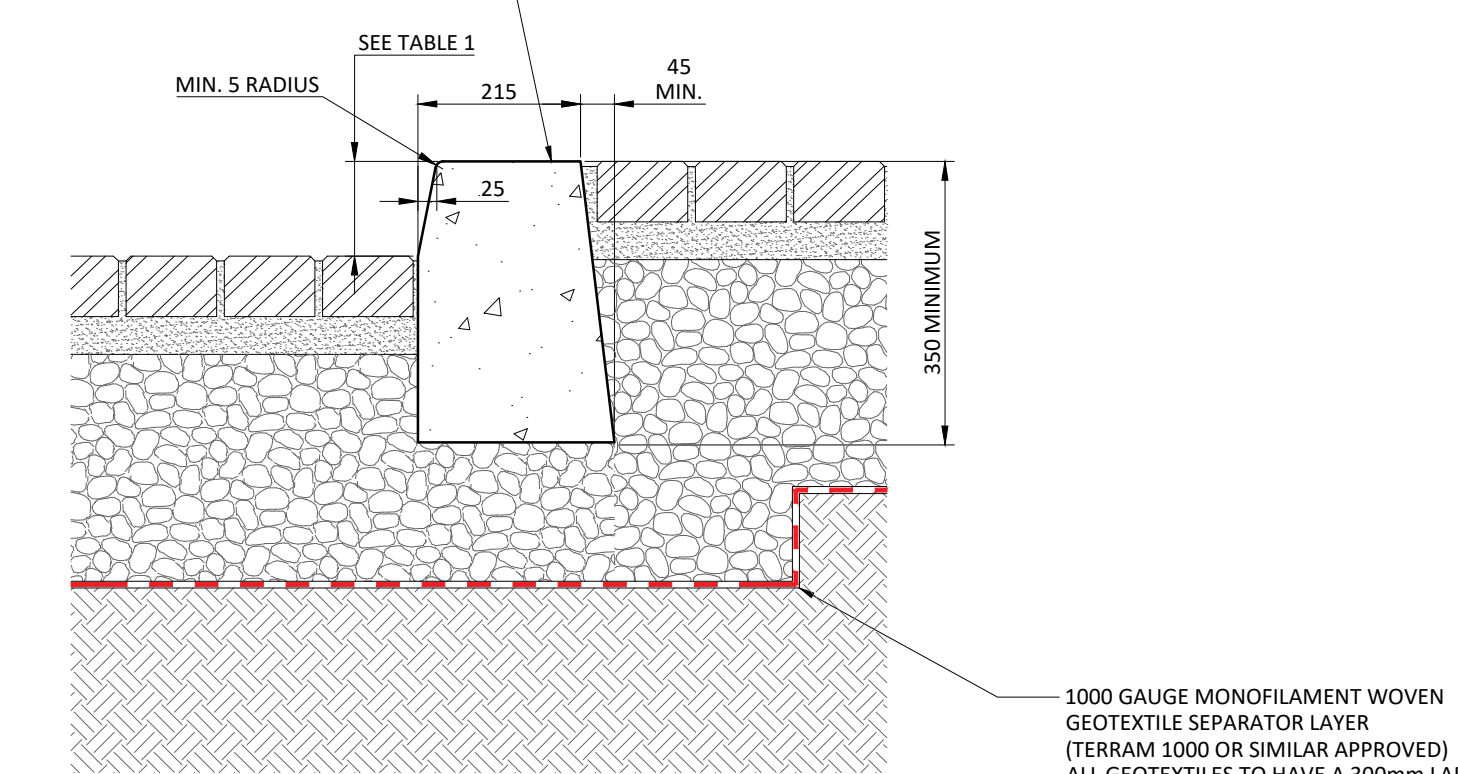
15mm INTERCEPTION VOLUME STORAGE DETAILS
15mm INTERCEPTION STORAGE PROVIDED 48.000cu.m
LENGTH (50m) x WIDTH (4m) x DEPTH (0.600m) x POROSITY (0.4)
IL: 53.210m

CONVEYANCE/DETENTION SWALE DETAILS
LENGTH (50m)
COVER LEVEL: 55.163m
IL: 54.788m

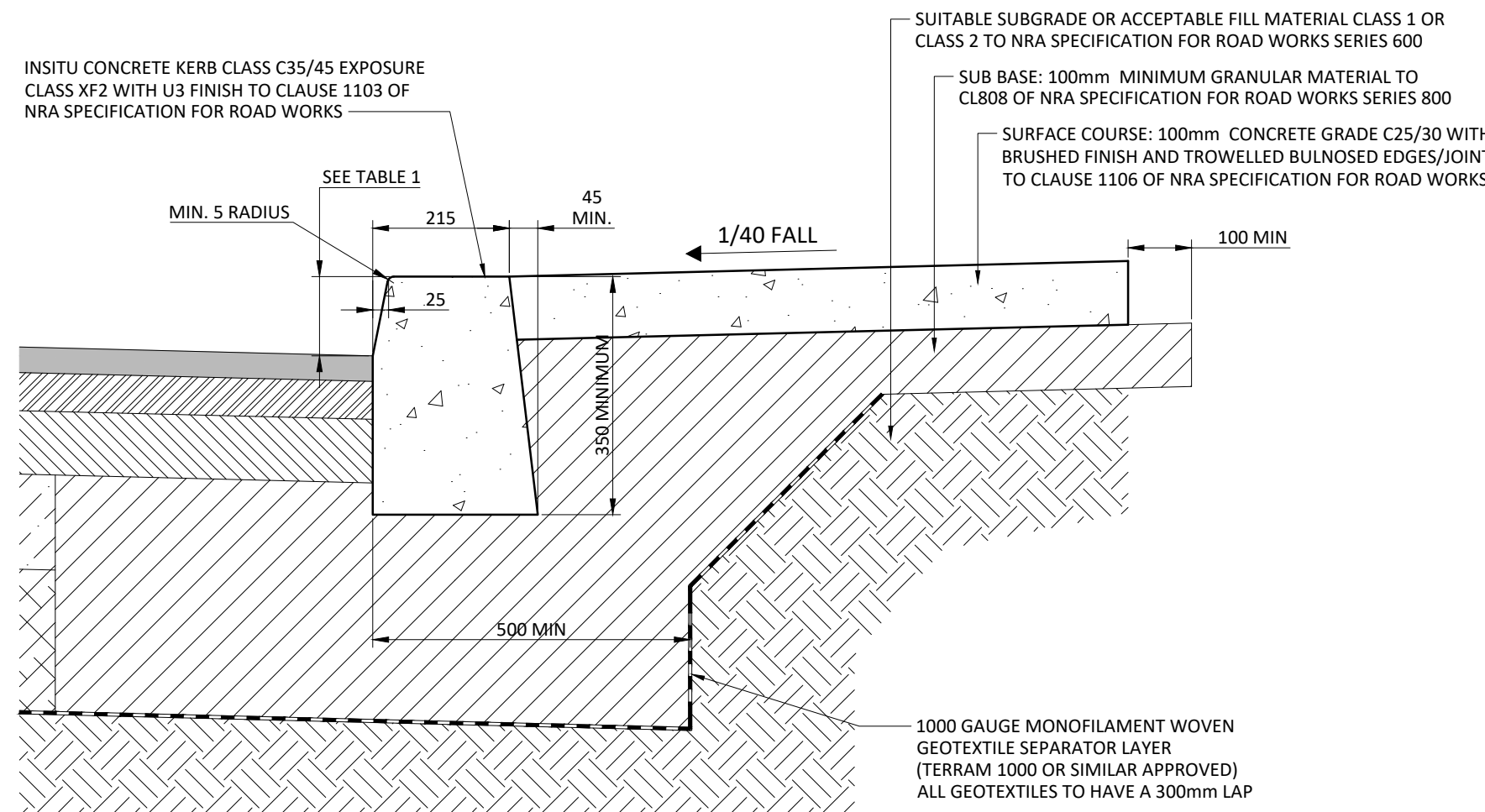


DETAIL A - CONSTRUCTION DETAIL FOR JOINT
BETWEEN REINSTATED PATH AND EXISTING ROAD
SCALE 1:10

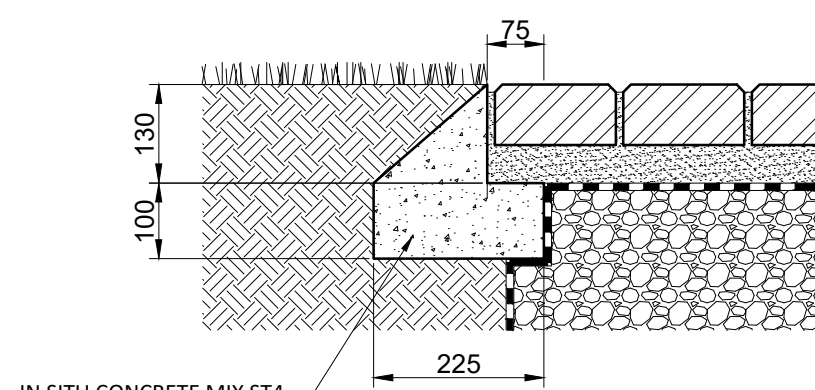
INSITU CONCRETE KERB CLASS C35/45 EXPOSURE
CLASS XF2 WITH U3 FINISH TO CLAUSE 1103 OF
NRA SPECIFICATION FOR ROAD WORKS



DETAIL C - CONSTRUCTION DETAIL FOR FULL HEIGHT KERB
SCALE 1:10



DETAIL B - CONSTRUCTION DETAIL FOR FULL HEIGHT KERB
SCALE 1:10



DETAIL D - INTERFACE BETWEEN
PERMEABLE PAVING AND GRASSED AREA
SCALE 1:10

TABLE 1
MINIMUM REQUIRED THICKNESS OF NON-FROST SUSCEPTIBLE
CAPPING LAYER MATERIAL.

SUBGRADE CBR (%)	2-5	5-15	>15
CAPPING LAYER THICKNESS(mm)	300	150	0

NOTE:
WHERE CBR VALUES OF LESS THAN 2 ARE ENCOUNTERED SPECIALIST
ENGINEERING ADVICE TO BE OBTAINED PRIOR TO COMMENCEMENT.

NOTES:
IN FILL AREAS, FILL MATERIAL TO BE CLASS 6F1, 6F2, 6F3 OR OTHERWISE APPROVED BY THE ENGINEER. FILL MATERIAL TO BE COMPACTED IN
ACCORDANCE WITH NRA SPECIFICATION FOR ROAD WORKS. CBR VALUES TO BE OBTAINED AT BOTTOM OF MAXIMUM CAPPING LAYER DEPTH
PRIOR TO INSTALLATION OF CAPPING LAYER MATERIAL.

ALL UNBOUND MIXTURES DEPOSITED WITHIN 500mm OF CEMENT BOUND MATERIALS, CONCRETE PAVEMENTS, CONCRETE STRUCTURES OR
CONCRETE PRODUCTS FORMING PART OF THE WORKS SHALL BE TO CLAUSE 808 OF THE NRA SPECIFICATION FOR ROADWORKS.

TABLE 2 - KERB HEIGHTS

FULL HEIGHT KERB	125mm
VEHICLE CROSSING DROPPED KERB	25mm
PEDESTRIAN CROSSING DROPPED KERB	0-6mm

NOTE:
150mm CONCRETE SURFACE COURSE WITH A393 MESH
TO VEHICLE CROSSING POINTS. 100mm UNREINFORCED
CONCRETE SURFACE COURSE TO ALL OTHER AREAS
WHERE TACTILE PAVING IS NOT REQUIRED.

General Notes

- Do not scale from this drawing. Refer to Architects drawings for all works levels and setting out.
- This drawing is to be read in conjunction with all other Engineer's and Architect's drawings and specifications. Where discrepancies are observed please notify CHC for clarification.
- Contractor to check all levels (existing and proposed), setting out and dimensions on site prior to commencement of the works and advise the consultants of any discrepancies.
- All works to be constructed in accordance with current building control legislation, local authority requirements and good building practice.
- All Insulation, weathering materials (dpc, dpm, flashings etc), radon barriers and sumps and all sub-floor ducting all to Architect's details.
- Location of all service pop-ups to be confirmed and set out by the Architect.
- Refer to Architect's drawings and specifications for fire strategy and all fire protection requirements
- All materials and products specified must carry CE marking and Declarations of Performance as appropriate.
- Contractor shall note the recommendations of the site investigation report in respect of all excavation depths, ground water levels and identification of required adequate bearing strata. All foundation formation soft spots or disturbed ground not covered in SI report to be recorded and notified to the Engineer.

FOR PLANNING

DESIGN OF PERMEABLE PAVING

THE STRUCTURAL DESIGN PROCESS COMPRISES THE FOLLOWING STAGES:

STAGE 1 - CHOOSING A SYSTEM.
USE CHAPTER 3 TO DETERMINE THE SYSTEM TO BE USED. (TOTAL/ PARTIAL OR NO INFILTRATION)

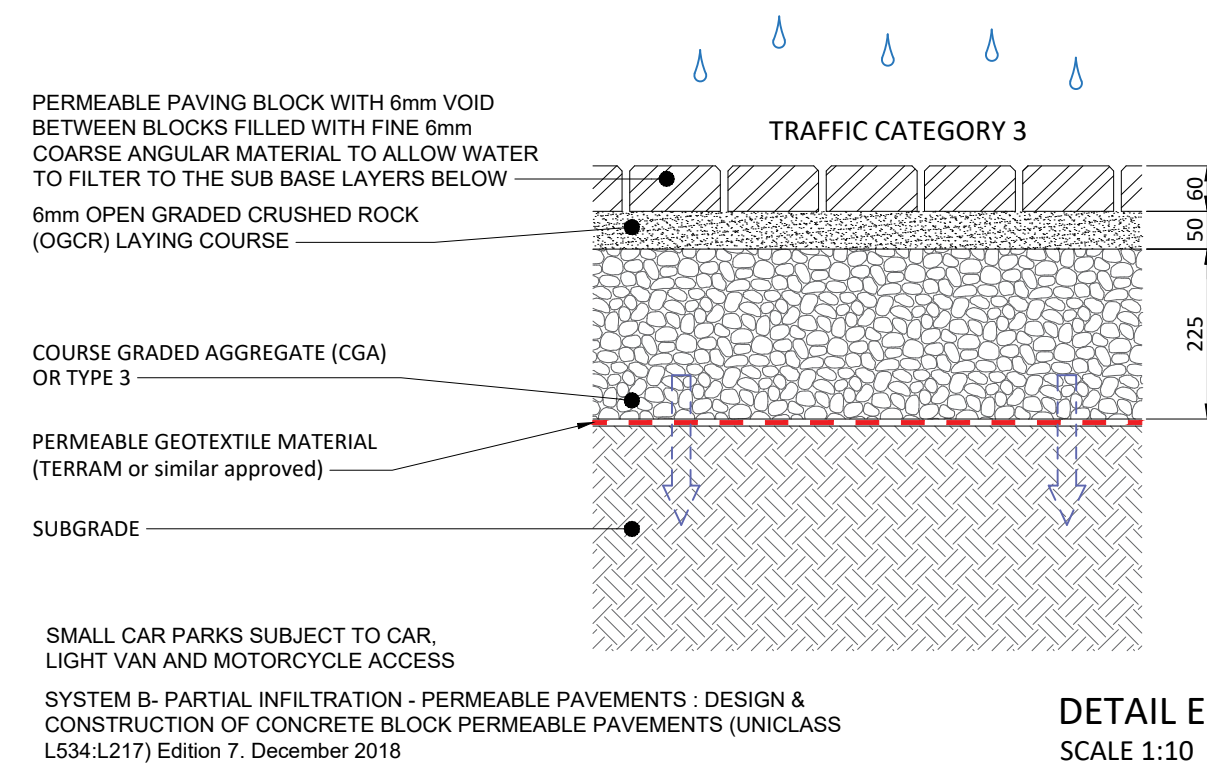
STAGE 2 - SUBGRADE ASSESSMENT.
USE TABLE 3 TO DETERMINE THE EQUILIBRIUM CBR VALUE OF THE SUBGRADE.

STAGE 3 - TRAFFIC ASSESSMENT.
USE TABLE 4 TO SELECT THE TRAFFIC CATEGORY, FROM 1 TO 10.

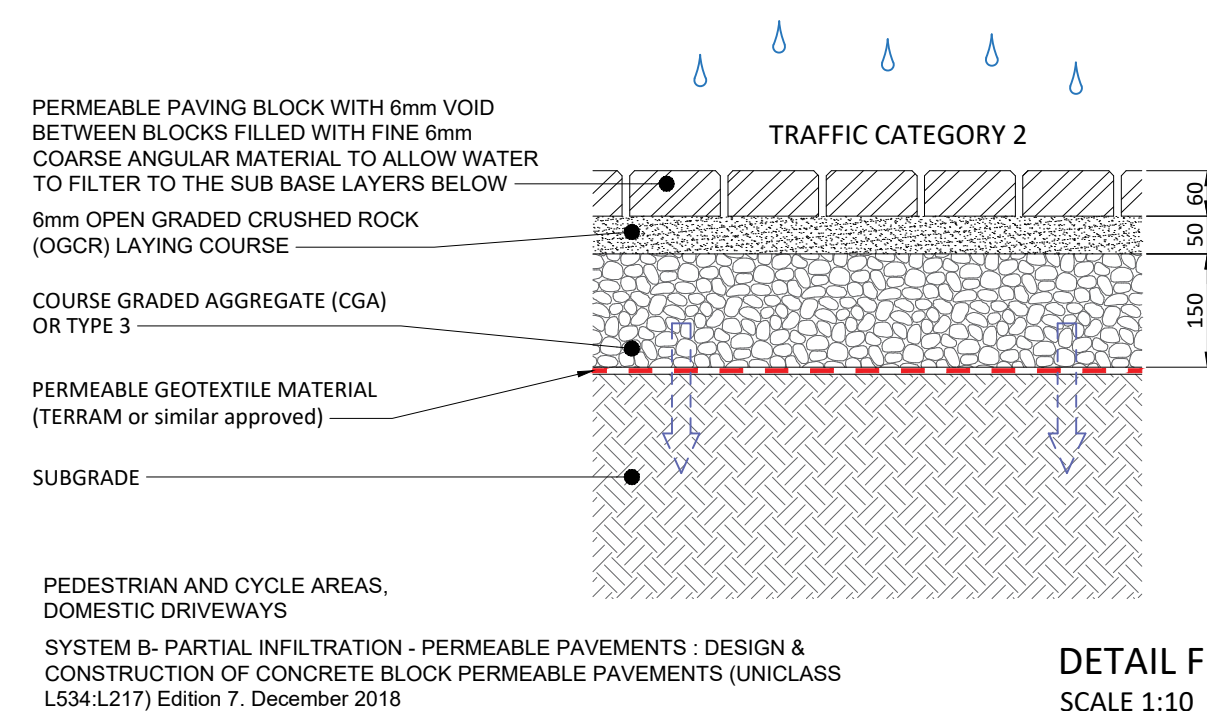
STAGE 4 - PAVEMENT LAYER THICKNESS.
USE TABLE 5 TO DETERMINE THE PAVEMENT LAYER THICKNESS.

STAGE 5 - ADJUSTMENT FOR LOW CBR.
ADJUST THE THICKNESS FROM TABLE 5 FOR PAVEMENTS INSTALLED OVER SUBGRADES OF CBR LESS THAN 5% USING TABLE 7.

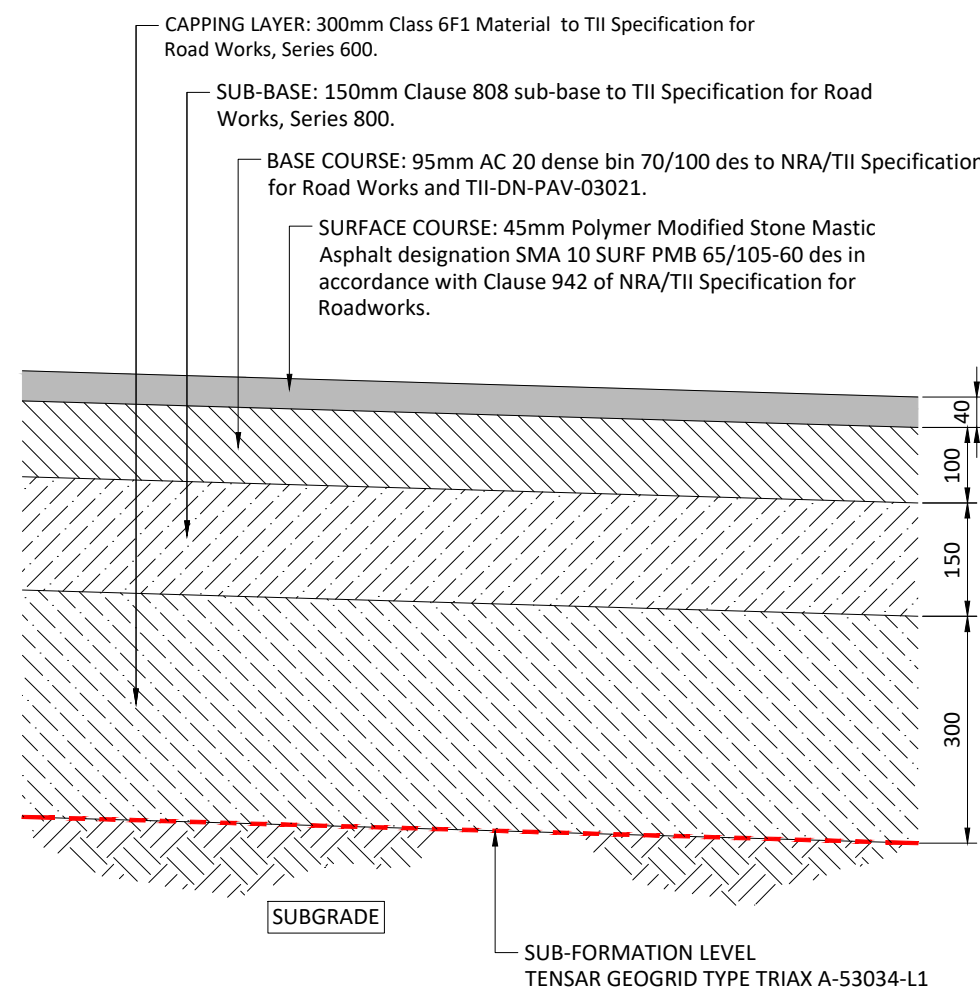
STAGE 6 - CONSTRUCTION TRAFFIC.
CONSIDER THE NEED FOR SITE ACCESS. CBPP PAVEMENT LAYERS MUST BE KEPT CLEAN DURING THE CONSTRUCTION PHASE. THIS CAN BE INCONVENIENT WHEN THE CONSTRUCTION METHOD REQUIRES THAT THE ROADS BE INSTALLED EARLY AND CAN BE USED FOR SITE ACCESS. VARIOUS METHODS CAN BE USED TO RESOLVE THIS ISSUE: SEE SECTION 13.7.



DETAIL E
SCALE 1:10



DETAIL F
SCALE 1:10



ROAD BUILDUP
SCALE 1:10

Issue	Suitability	Date	Description	Designed	Drawn	Approved
P03	S4	15.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P02	S4	07.07.2026	Issued for Planning.	P.C.	N.N.	P.C.
P01	S4	10.11.2025	Issued for Pre-Planning.	P.C.	N.N.	P.C.
Client	Leixlip and Newbridge SPV Limited	Originator:	Area:	Level:	Type:	Role:
CHC	-00	-GR	-DR	-C	-00120	

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