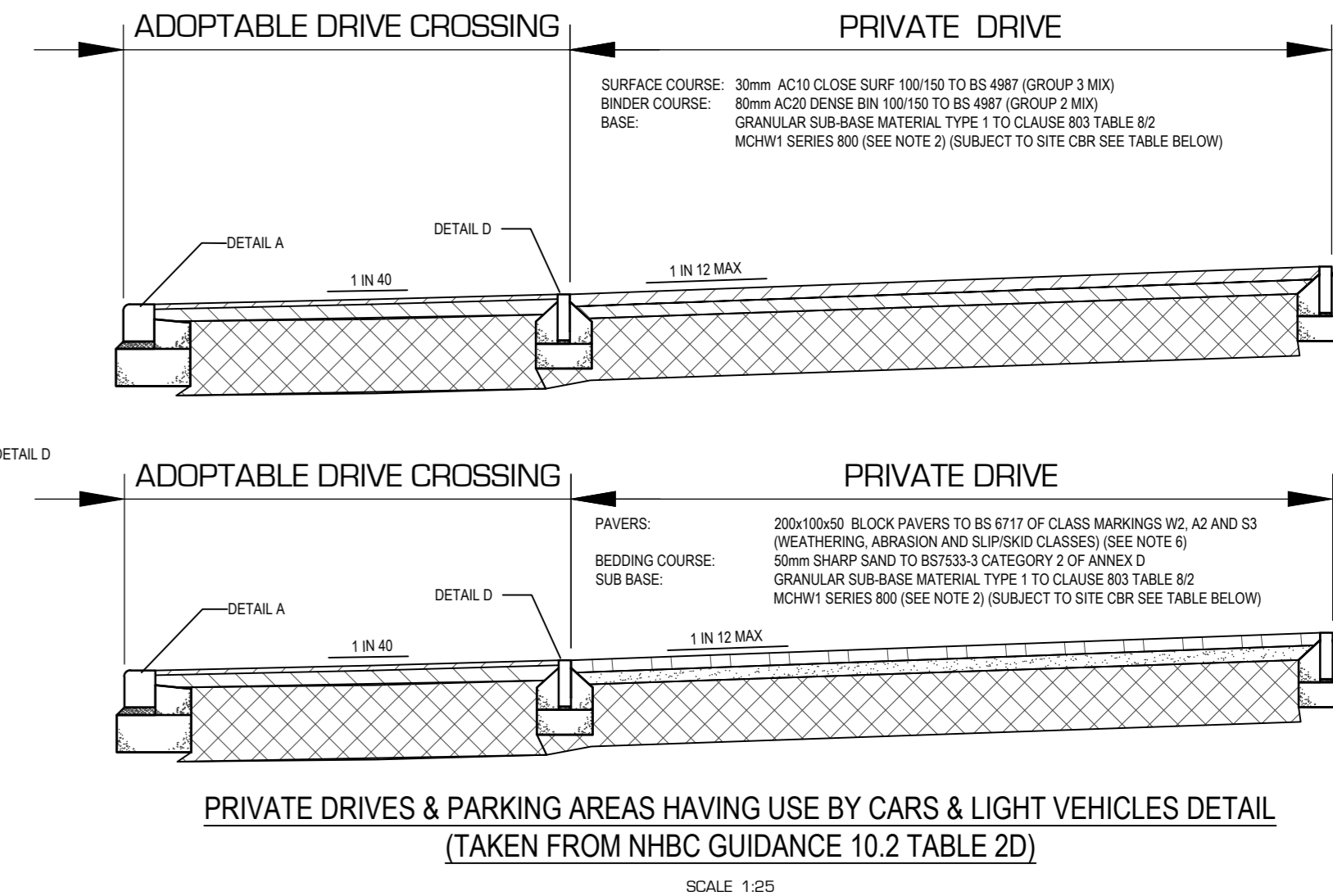
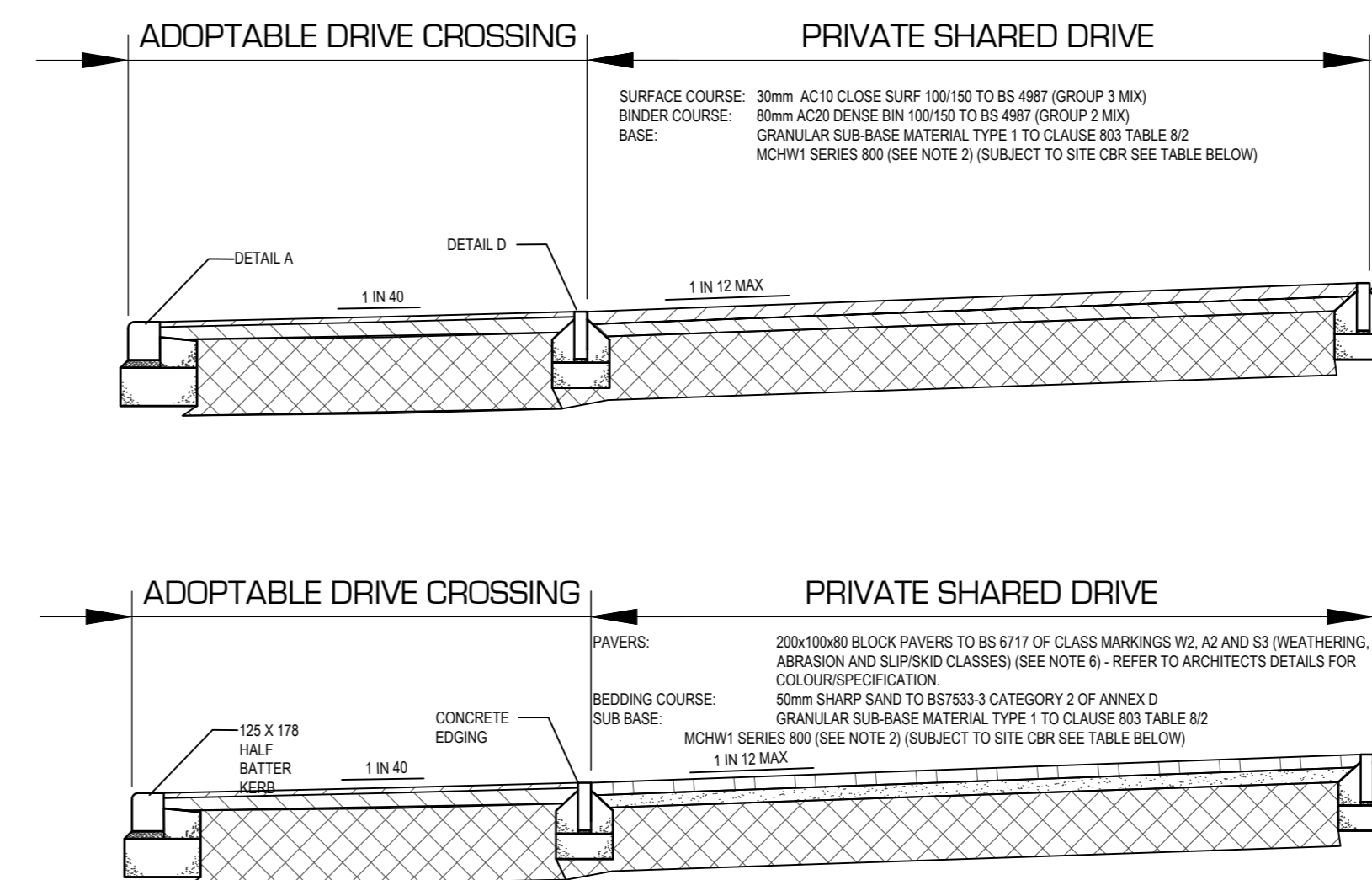
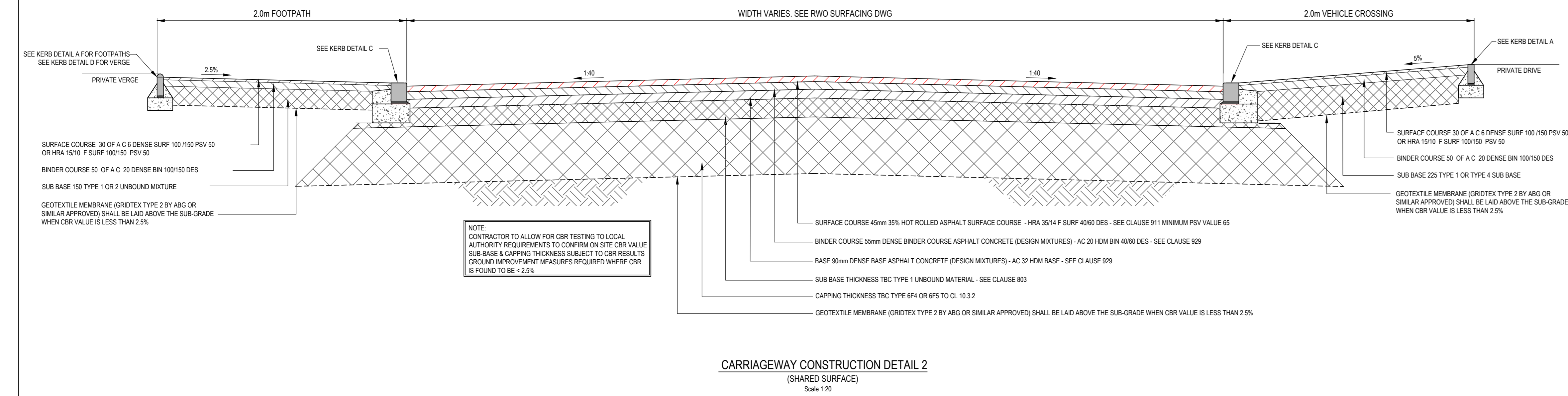
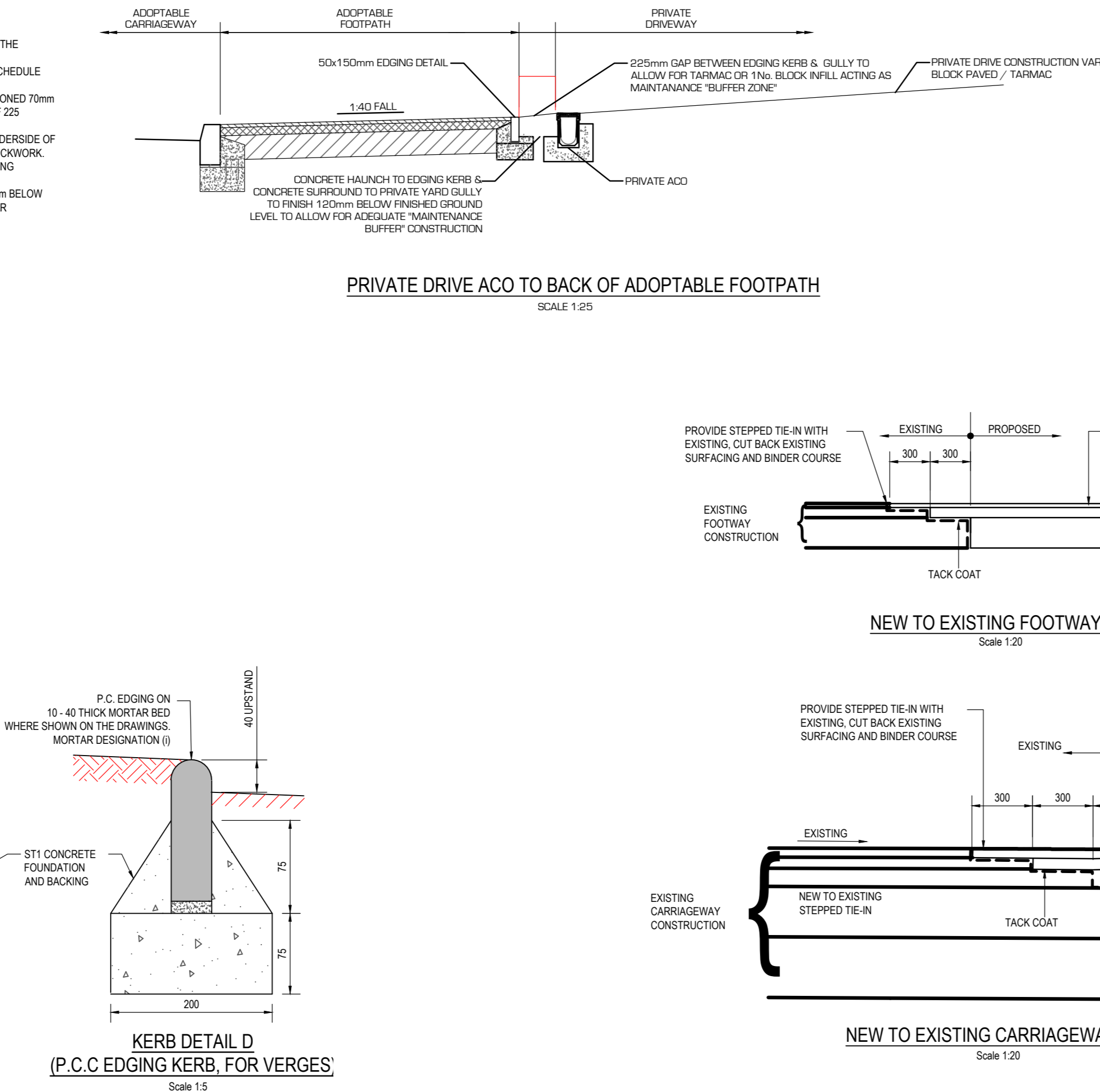
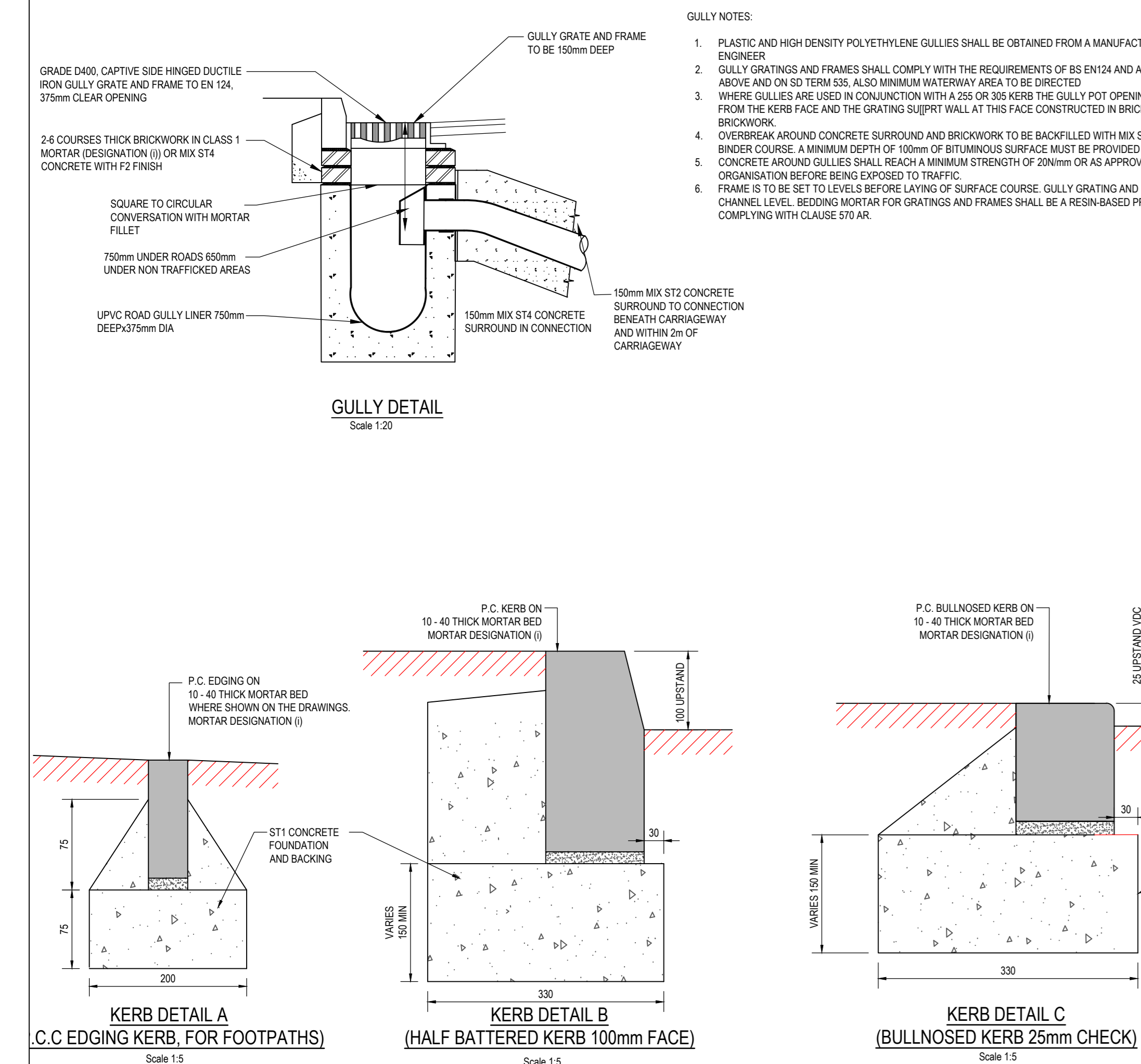
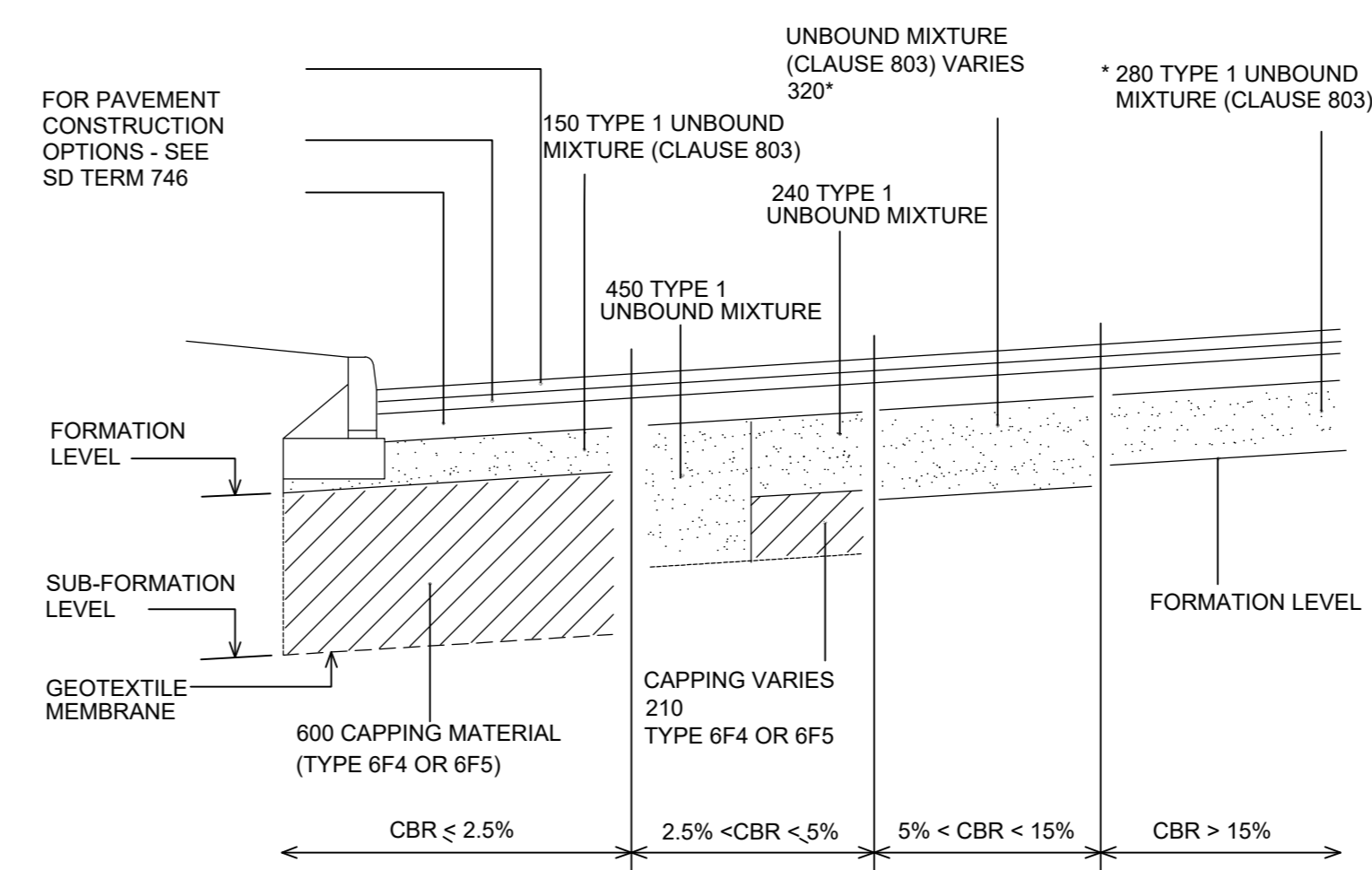
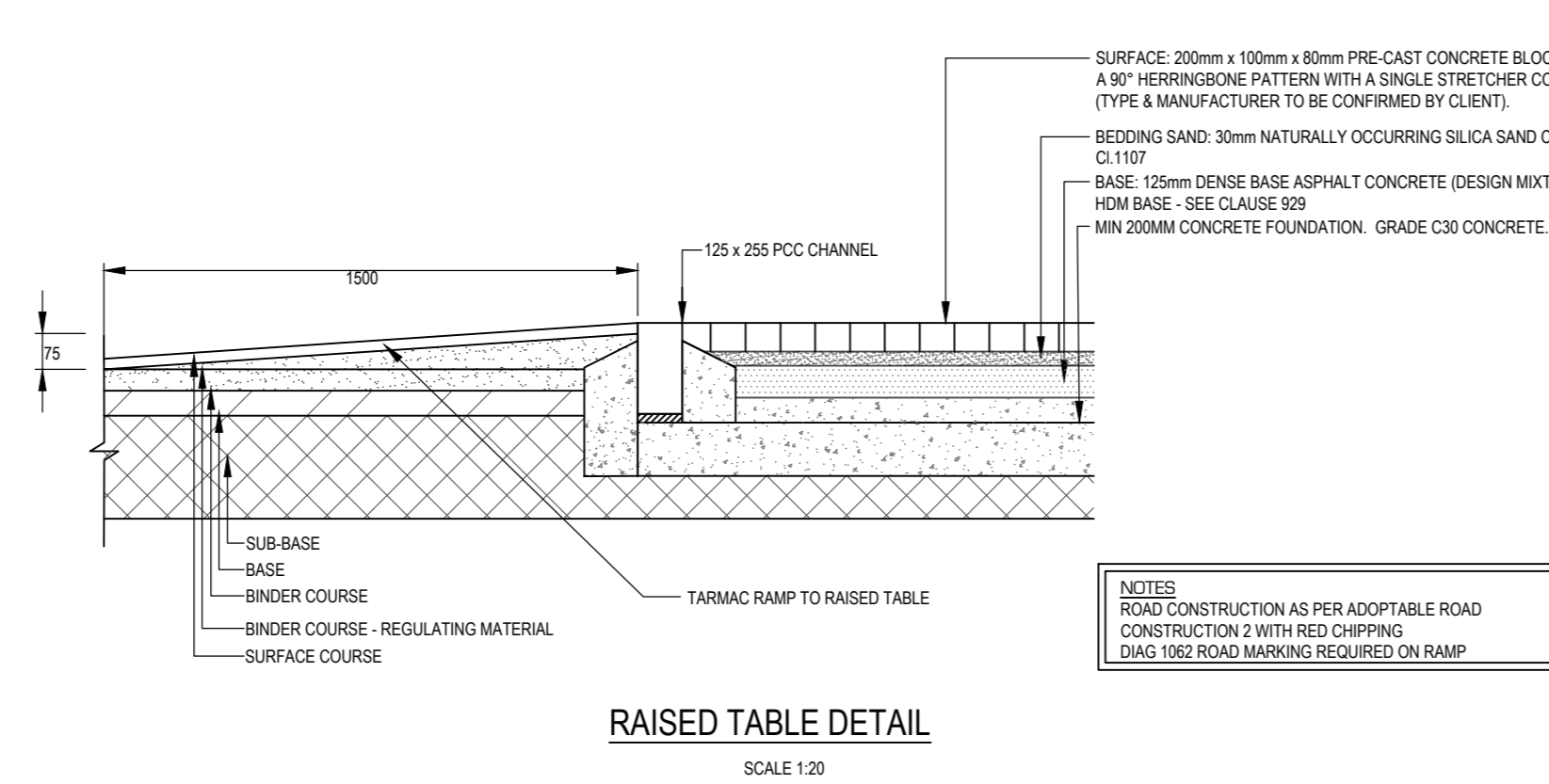
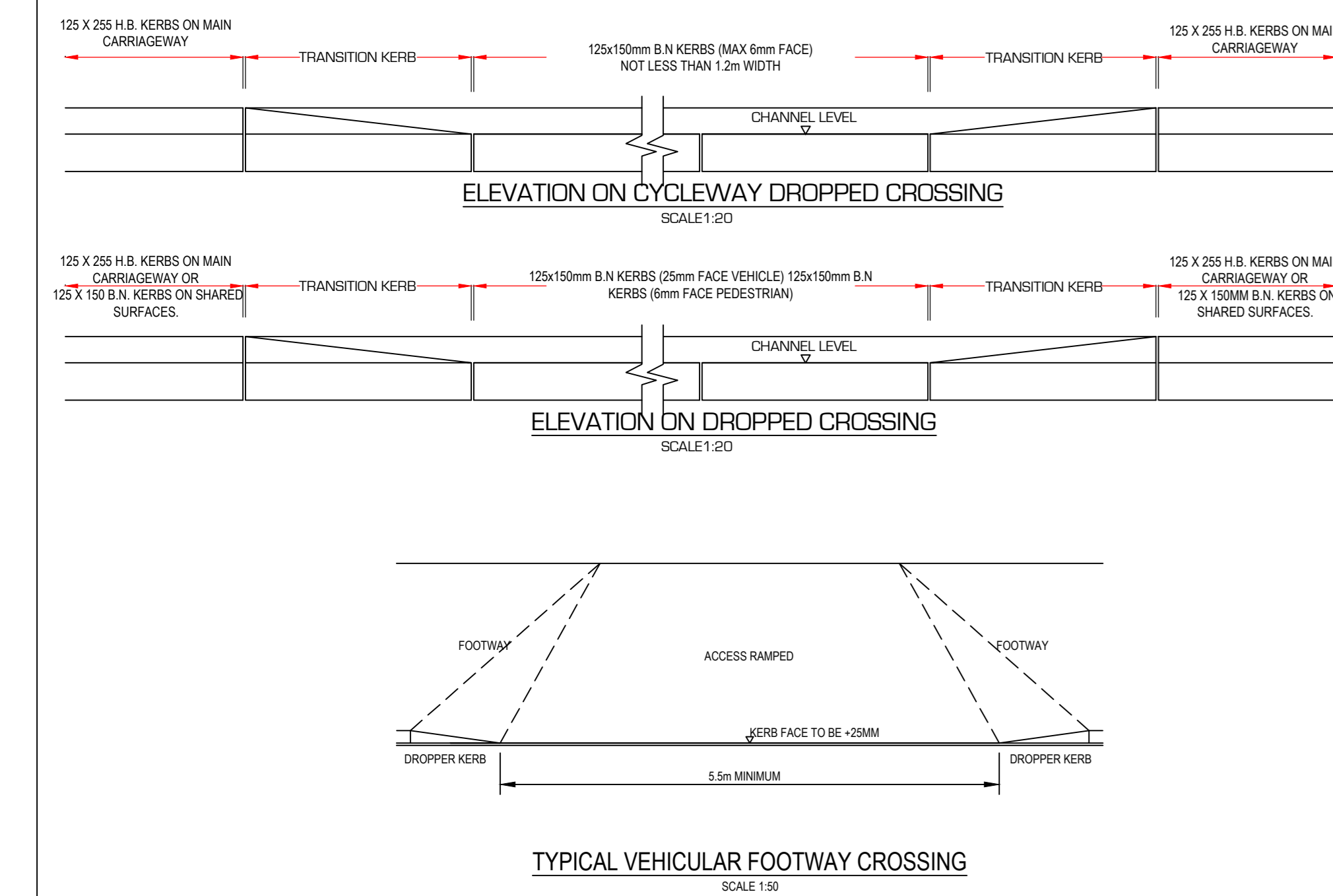


CBR %	OPTION A		OPTION B	
	CAPPING LAYER (mm)	SUB-BASE TYPE 1 (mm)	CAPPING LAYER (mm)	SUB-BASE TYPE 1 (mm)
2 AND BELOW**	600	150	600	150
2 TO 2.5	600	150	600	150
2.5 TO 5		450	210	240
5 TO 15		330	330	330
15 AND ABOVE		280	280	280

- NOTE:
- THIS DETAIL IS TO BE USED WHEN DETERMINING THICKNESS OF SUB-BASE AND CAPPING LAYER ONLY.
 - WHERE INDICATED, SUB-BASE THICKNESS MAY BE REDUCED TO 200MM IF SUB-GRADE PROVEN TO BE NON-FROST SUSCEPTIBLE.
 - THE LINE OF FORMATION AND SUB-FORMATION SHALL BE CONSTANT ACROSS THE WHOLE OF THE CARRIAGEWAY. THE GREATER DEPTHS TAKING PRECEDENCE.
 - A GEOTEXTILE MEMBRANE SHALL BE LAID ABOVE THE SUB-GRADE WHERE THE CBR IS LESS THAN 2.5%.
 - **WHERE CBR VALUE IS LESS THAN 2.5% CAPPING AND SUB-BASE THICKNESS ARE AS PER 2 TO 2.5% CBR BUT GROUND IMPROVEMENT MEASURES ARE TO BE UNDERTAKEN IN ADDITION.

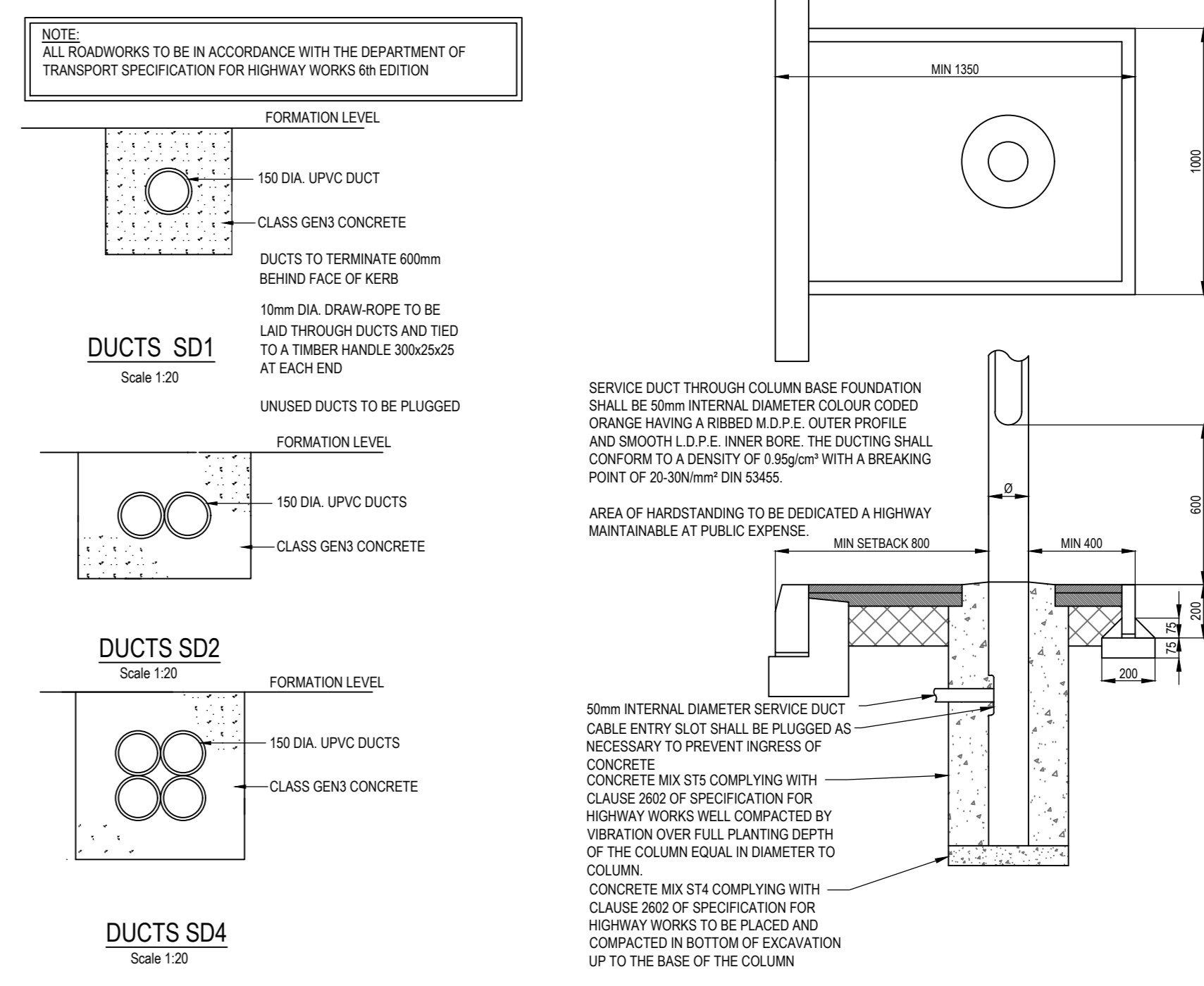


MINIMUM SUB-BASE THICKNESS FOR PRIVATE DRIVE AREAS		
CALIFORNIA BEARING RATIO (CBR) VALUES	MINIMUM THICKNESS (mm) OF SUB-BASE (CONSOLIDATED IN ACCORDANCE WITH MCH-WV VOLUME 1 CLAUSE B01, TABLE B/1) WITHOUT GEOTEXTILE UNDERLATH	WITH GEOTEXTILE UNDERLATH
LESS THAN 2%	N/A	300
2% - 3%	325	225
3% - 5%	250	150
5% - 7%	150	100
7% - 20%		



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES
 - THIS DETAIL TO BE USED WHEN DETERMINING THICKNESS OF SUB-BASE AND CAPPING LAYER ONLY
 - WHERE INDICATED (*) SUB-BASE THICKNESS MAY BE REDUCED TO 200MM IF SUB-GRADE PROVEN TO BE NON-FROST SUSCEPTIBLE.
 - THE LINE OF FORMATION AND SUB-FORMATION SHALL BE CONSTANT ACROSS THE WHOLE OF THE CARRIAGEWAY. THE GREATER DEPTHS TAKING PRECEDENCE
 - A GEOTEXTILE MEMBRANE SHALL BE LAID ABOVE THE SUB-GRADE WHERE ITS CBR IS LESS THAN 2.5%.
 - TYPE 1 UNBOUND MIXTURE = TYPE 1 SUB-BASE

CARRIAGEWAY SUB-BASE DETAIL SCALE: NOT TO SCALE



NOTES:

- ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
 - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
 - SPECIFICATION FOR HIGHWAY WORKS (SHW)
 - CUMBRIA COUNTY DESIGN GUIDE AND SPECIFICATION
- PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE AS NECESSARY ANY UTILITY UNDER-PASSES EQUIPMENT WITHIN THE NEW ACCESS AND RECORD REQUIREMENTS FOR LOWERING/OVERPASS AND PROTECTION WITH THE RELEVANT UNDERTAKERS
- ALL WORKS WITHIN THE PUBLIC HIGHWAY TO MEET LOCAL AUTHORITY REQUIREMENTS. CONTRACTOR TO ALLOW FOR LAB TESTS TO BE UNDERTAKEN IN AGREEMENT WITH LOCAL AUTHORITY HIGHWAY ENGINEER PRIOR TO WORKS COMMENCING.

SUBJECT TO LOCAL AUTHORITY APPROVAL

CONSTRUCTION

North East 011 266632

YORKSHIRE 0113 323260

Client: GLEESON

Project: WATERS EDGE, WHITEHAVEN

Title: ROAD CONSTRUCTION DETAILS

DO NOT SCALE	Scale @ A2 AS	Drawn: NN	Checked: AE	Date: 08/04/2022
Job No: 21201		Drawn: NN	Checked: AE	Rev: 3