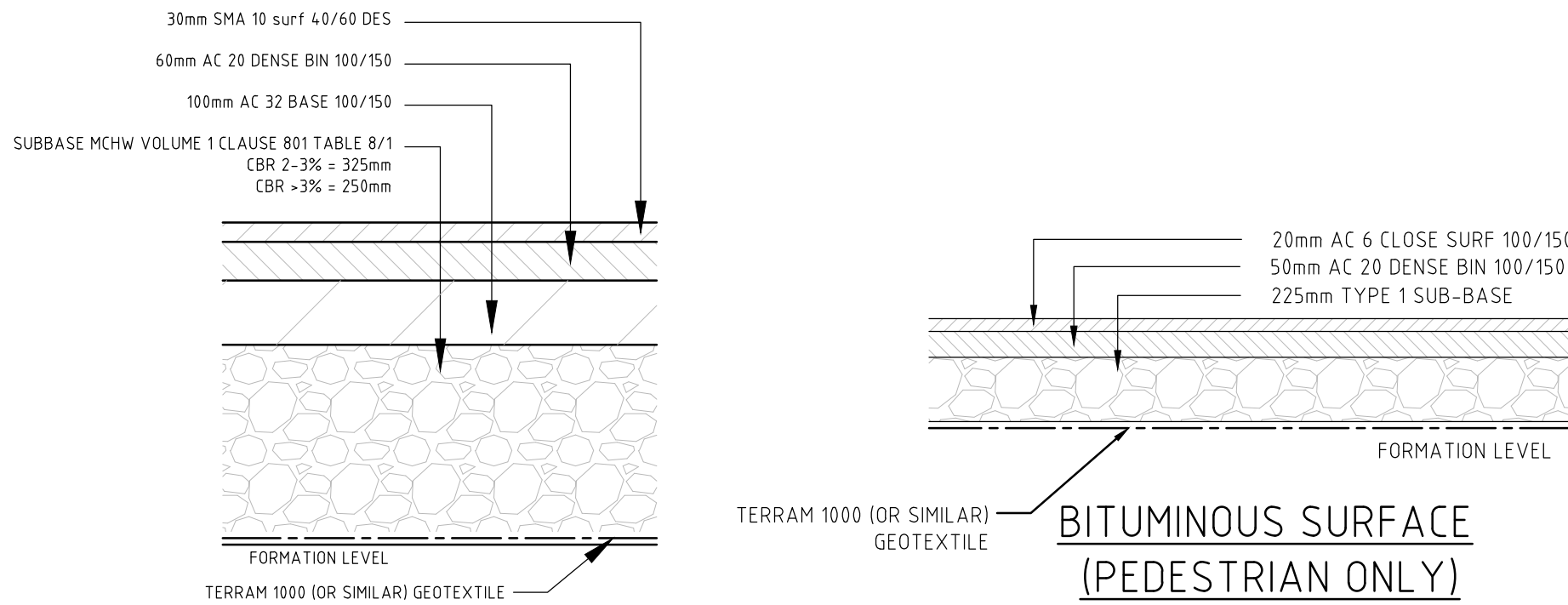
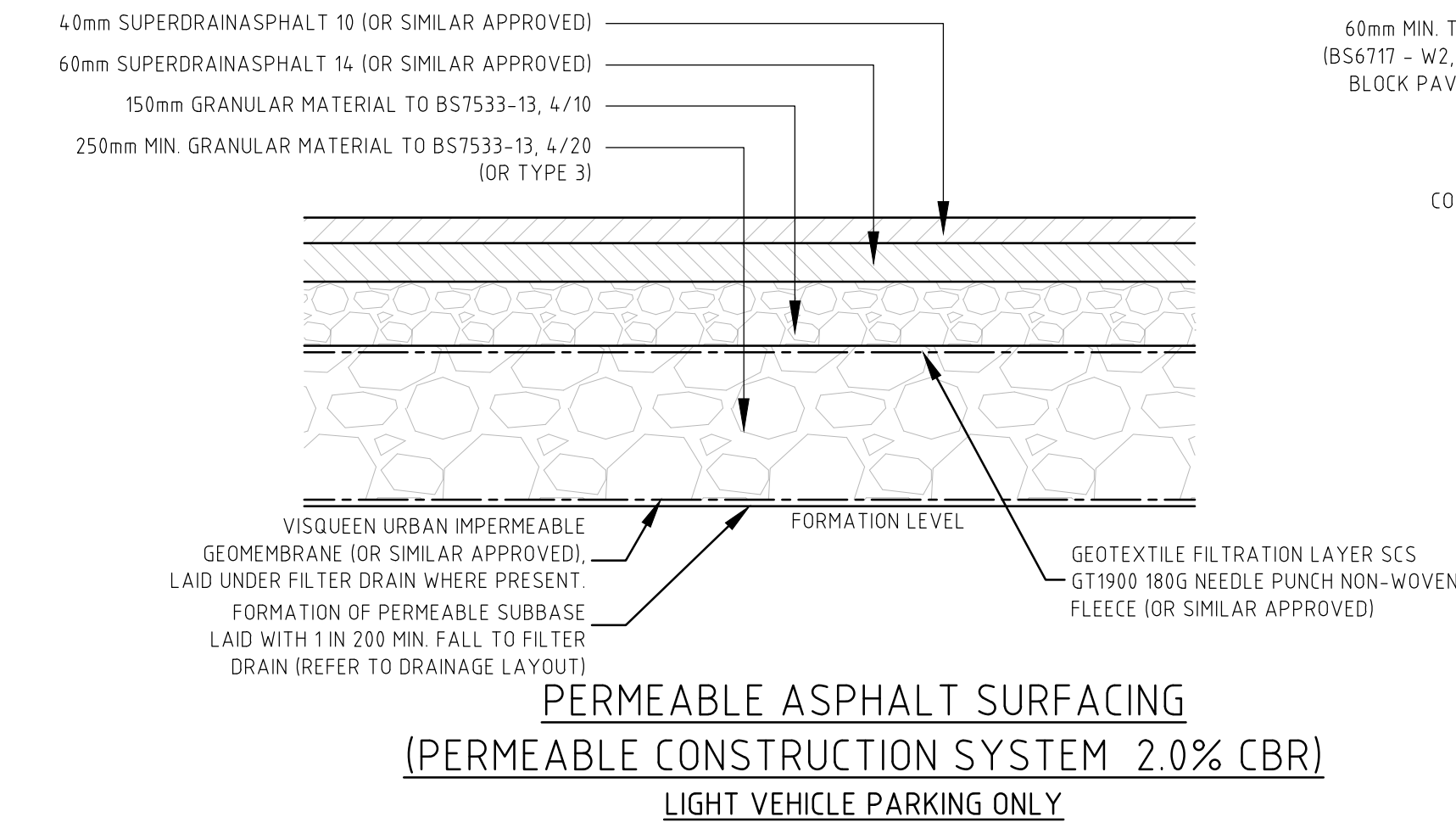
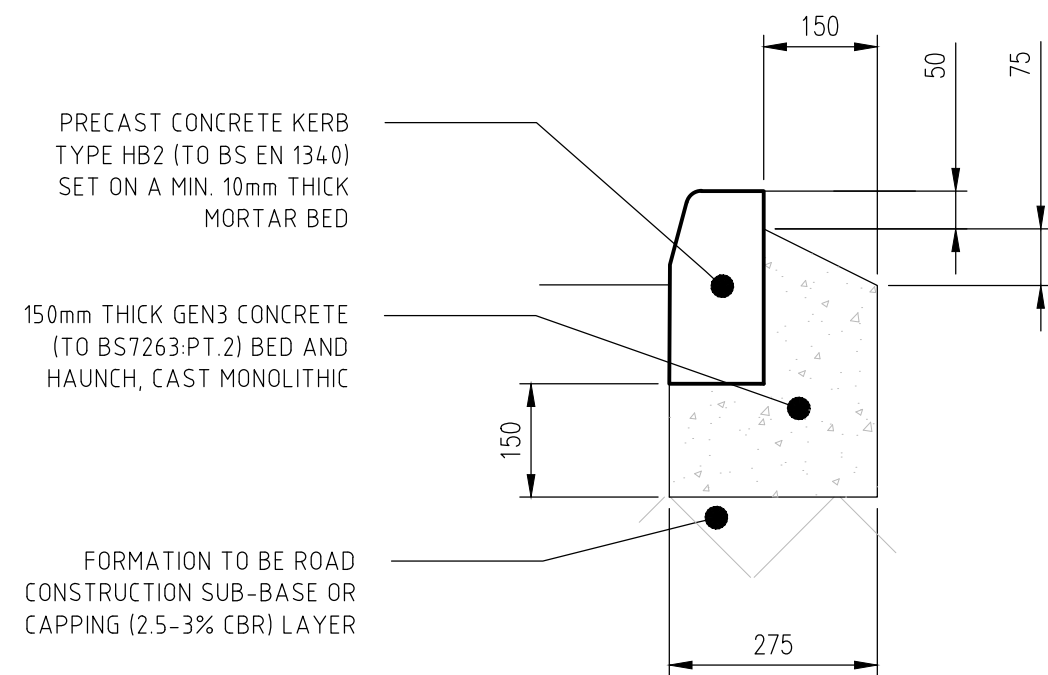
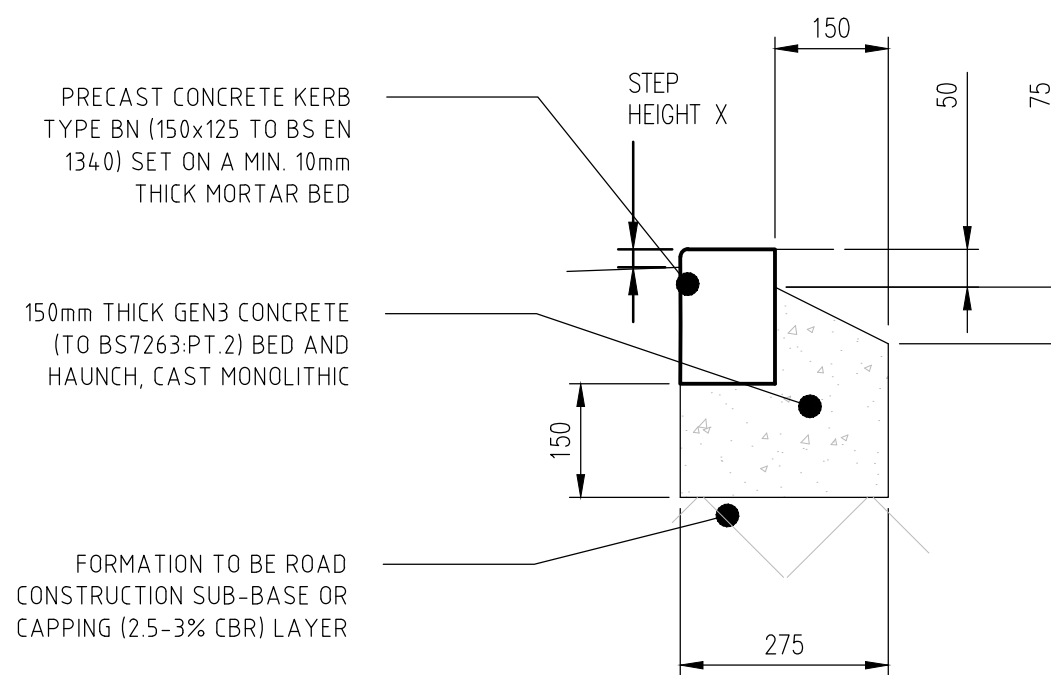




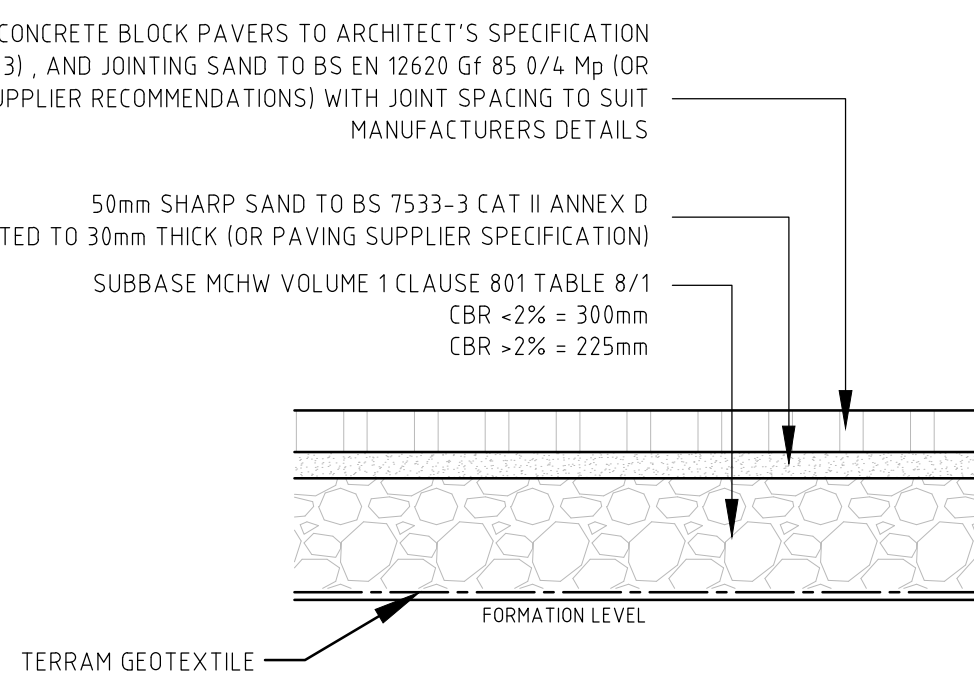
IMPERMEABLE VEHICULAR ASPHALT AREAS



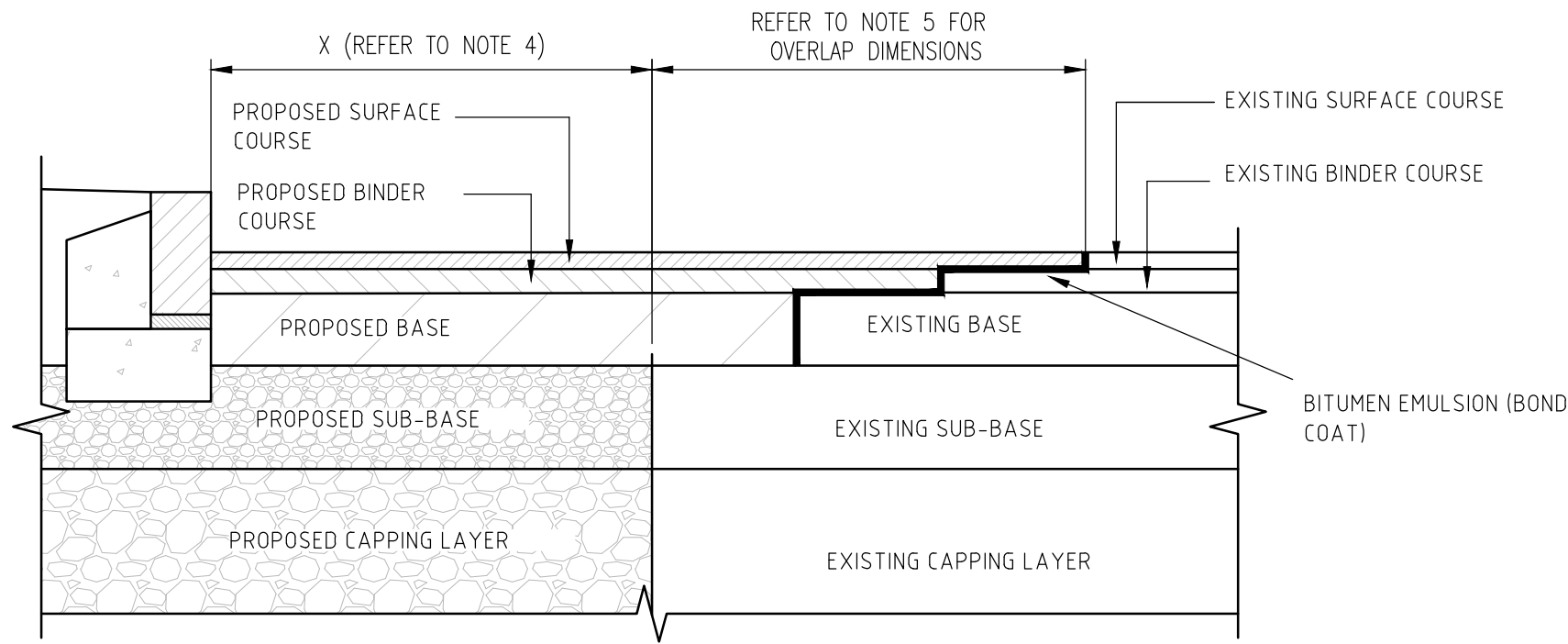
STANDARD KERB (HB2) DETAIL
(GENERALLY 125mm UPSTAND UNLESS NOTED OTHERWISE ON LAYOUTS)



BULL NOSE KERB (BNx) DETAIL
(X EQUALS STEP HEIGHT, OTHERWISE FLUSH)



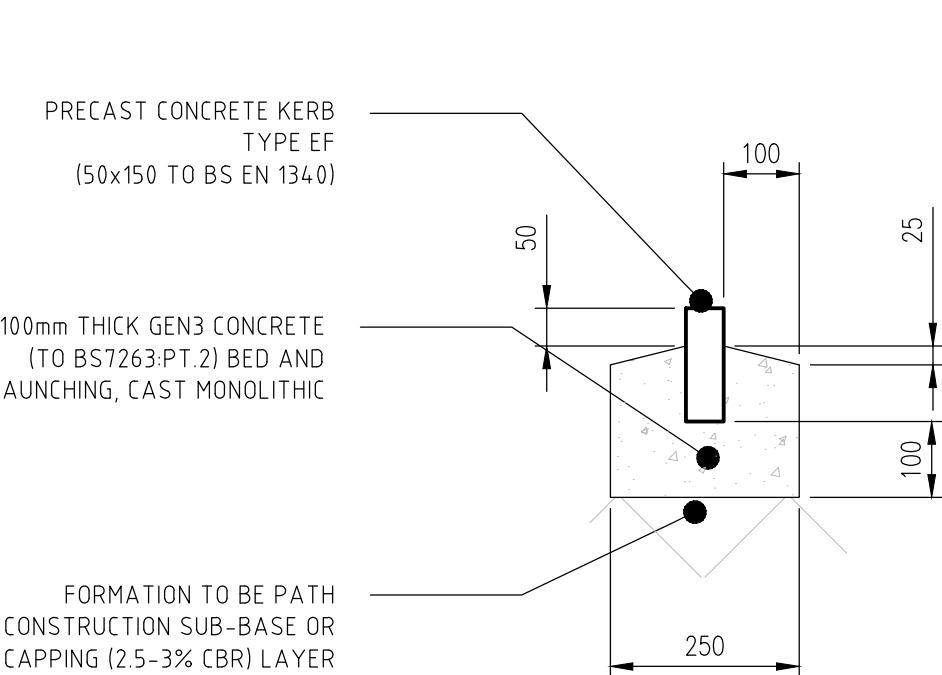
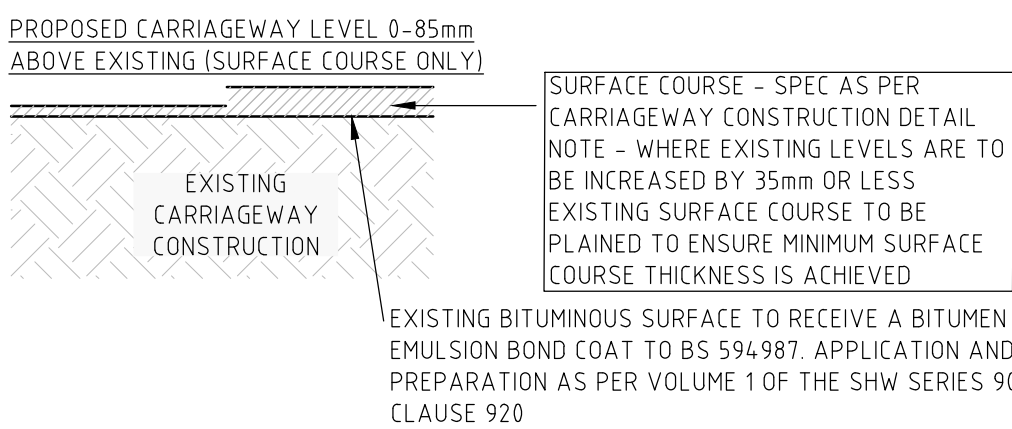
BLOCK PAVE FOOTWAY
SUBJECT TO PEDESTRIAN LOADING ONLY



ASPHALT WIDENING/LONGITUNDINAL JOINT DETAIL

- NOTES:
- VERTICAL FACES OF EXISTING BITUMINOUS MATERIALS TO BE PRIMED WITH BITUMEN. HORIZONTAL OF INCLINED EXISTING SURFACES TO ACCEPT BITUMINOUS MATERIALS TO BE SPRAYED WITH BITUMINOUS BOND COAT TO BS 434 (INCLUDED IN SURFACING ITEMS).
 - ALL JOINTS TO BE SAW CUT AND PAINTED WITH A BITUMEN EMULSION TO CL. 920.3.
 - JOINTS TO BE FORMED IN ACCORDANCE WITH CL. 90122 (III), ALL SURFACE COURSE JOINTS WILL BE LOCATED UNDER WHITE LINING WHERE POSSIBLE.
 - WHERE WIDENING (X) IS LESS THAN 1.0m NEW CONSTRUCTION TO BE INCREASED IN WIDTH TO ACHIEVE 1.0m MINIMUM.
 - WHERE JOINT WILL BE BETWEEN NEWLY LAID CARRIAGEWAY LAYERS OVERLAP IS TO BE 150mm. WHERE JOINT TO BE BETWEEN EXISTING AND NEW CARRIAGEWAY, OVERLAP TO BE 300mm

PLANE AND OVERLAY DETAIL



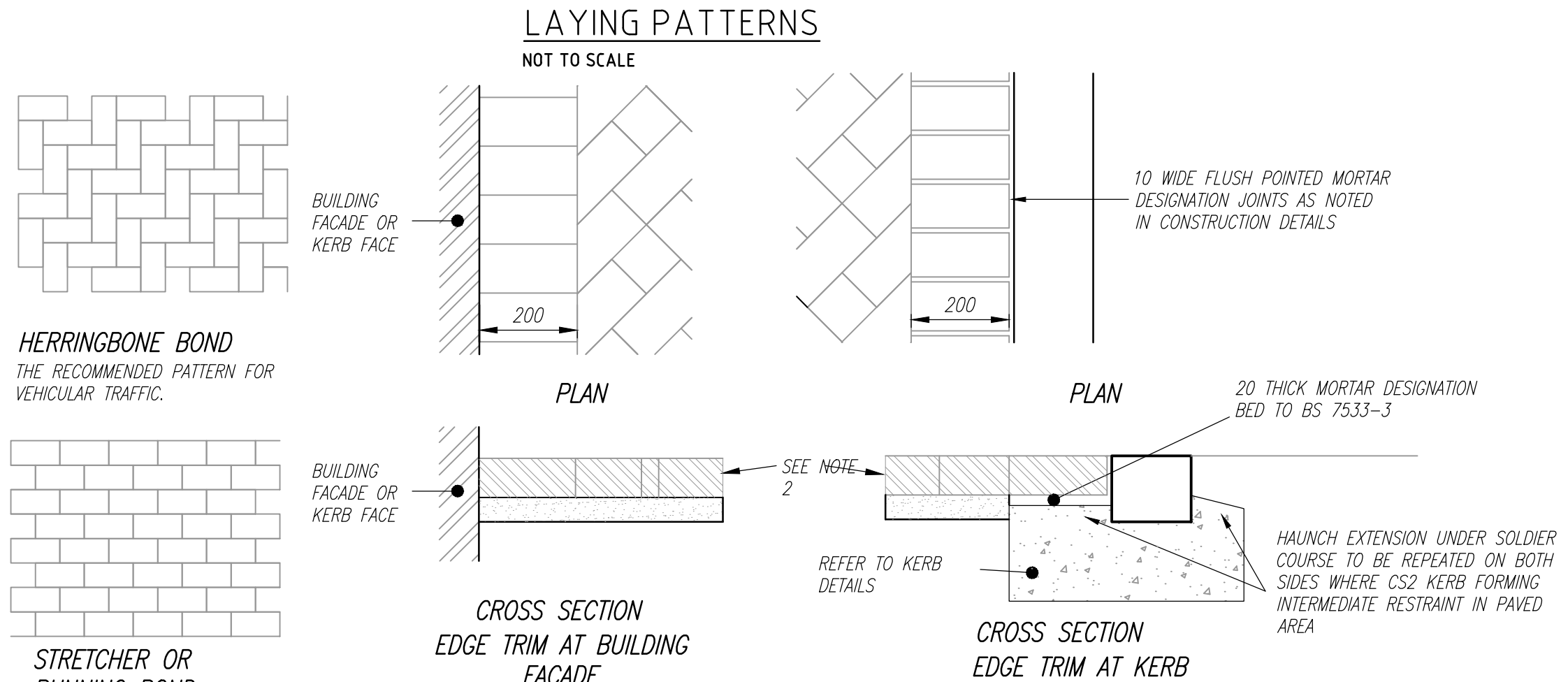
EDGING KERB (EF) DETAIL
TO BE LAID FLUSH

CHANNEL SQUARE TYPE CS2 TO BS EN 1340 ON A MIN. 10mm THICK MORTAR ON A MIN. 150mm THICK CONCRETE BED AND HAUNCH GEN3 MIX (LAID FLUSH)

CHANNELS ARE TO BE BED AND BACKED WITH GEN3 CONCRETE IN ACCORDANCE WITH BS7263:PT.2

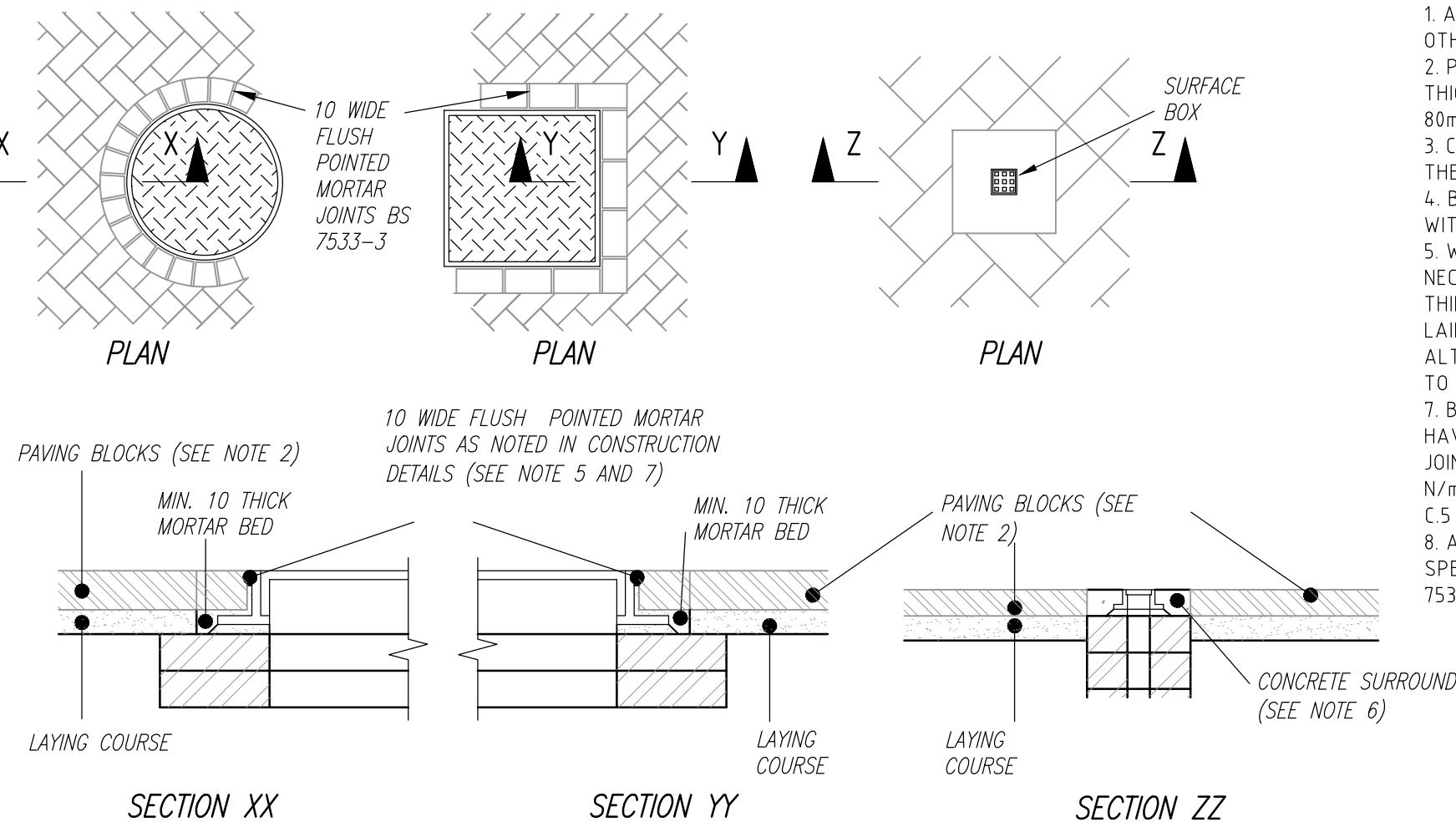
FORMATION TO BE PATH CONSTRUCTION SUB-BASE OR CAPPING (2.5-3% CBR) LAYER

SQUARE CHANNEL (CS) DETAIL
TO BE LAID FLUSH



LAYING PATTERNS NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
- PAVING BLOCKS ARE AVAILABLE IN VARIOUS THICKNESSES. MIN PAVER THICKNESS TO BE 80mm
- CONCRETE BLOCKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS EN 1338: 2003
- BLOCKS SHOULD BE LAID IN ACCORDANCE WITH BS 7533-3
- WHERE THE TRIMMING OF BLOCKS IS NECESSARY, PORTIONS OF LESS THAN ONE THIRD OF AN ENTIRE BLOCK SHALL NOT BE LAID. INSTEAD THE PATTERN SHOULD BE ALTERED TO ENABLE LARGER PIECES OF BLOCK TO BE USED
- BLOCKS BEDDED ON EPOXY MORTAR SHOULD HAVE THE TOP 30mm OF THEIR VERTICAL JOINTS RAKED OUT AND RE-POINTED WITH 4.0 N/mm² JOINTING MORTAR TO BS 7533-7 TABLE C5 (3mm MAX. AGG.)
- ALL CLAUSE NUMBERS REFER TO SPECIFICATION FOR HIGHWAY WORKS AND BS 7533, LATEST EDITION.



NOTES:

- DETAILS OF EXISTING ROAD ALIGNMENTS, LEVELS AND CONSTRUCTION SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
- THE CONTRACTOR IS TO CHECK THE SETTING OUT OF THE ALL NEW ROADS TO ENSURE FIT WITH AND WITHIN THE SITE BOUNDARY BEFORE CONSTRUCTION COMMENCES.
- THE CONTRACTOR SHALL ASCERTAIN THE DEPTHS, SIZES AND LOCATIONS OF ALL SERVICES WITHIN ROADWAYS BEFORE EXCAVATION COMMENCES ANY CONFLICTS WITH THE SPECIFIED PAVEMENTS ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- PAVEMENT DESIGN IS BASED ON A SUBGRADE WITH A MIN. 2.5% CBR VALUE
- LOCALISED SOFT SPOTS IN THE SUB-GRADE DETERMINED DURING THE INITIAL WORKS ARE TO BE REMOVED, WHERE POSSIBLE, AND MADE UP BY LOCAL REGULATING MATERIAL AS NOTED ON THE DETAILS
- ALL MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH THE HIGHWAYS AGENCY MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAYS WORKS
- ALL KERBS ARE TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH BS 7263 PART 1:1990. WHERE NECESSARY A CHASE SHALL BE MADE IN THE SUB-BASE TO ALLOW FOR A MINIMUM 150mm DEEP KERB BED.
- KERBS MAY BE LAID DIRECTLY ONTO THE CONCRETE KERB BED WHILST IT IS STILL IN THE PLASTIC CONDITION SUBJECT TO THE APPROVAL OF THE ENGINEER, OTHERWISE A 25mm THICK MORTAR BED AND SHEAR KEY TO THE BACKING SHALL BE PROVIDED.
- WHERE VISIBILITY SPLAYS ARE SHOWN NO PLANTING WITH A MATURE HEIGHT IN EXCESS OF 600mm OR OBSTRUCTIONS ARE TO BE INTRODUCED.
- ALL CONCRETE IS TO HAVE SULPHATE RESISTANCE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SITE INVESTIGATION.

TOLERANCES:

HORIZONTAL ALIGNMENTS
EDGE OF PAVEMENTS AND ALL OTHER PARALLEL ALIGNMENTS: +25mm TO -25mm
KERBS, CHANNEL BLOCKS, CHANNEL DRAINS AND EDGE LINES: +13mm TO -13mm

SURFACE LEVELS OF PAVEMENT COURSES
THE TOLERANCES IN SURFACE LEVELS FROM THAT STATED ON THE CONTRACT DRAWINGS ARE:
SURFACE COURSES: +6mm TO -6mm (BLOCK PAVER UPSTANDS TO SUPPLIERS DETAILS)
BINDER COURSES: +6mm TO -6mm
BASE COURSES: +15mm TO -15mm
SUB-BASE: +10mm TO -30mm
SUB-BASE UNDER CONCRETE PAVEMENT: +10mm TO -10mm
THE COMBINATION OF TOLERANCES SHALL NOT RESULT IN A REDUCTION IN THE THICKNESS OF THE PAVEMENT, EXCLUDING SUBBASE, BY MORE THAN 15mm FROM THE SPECIFIED THICKNESS NOR A REDUCTION OF THE BITUMINOUS SURFACE COURSE BY MORE THAN 5mm FROM THAT SPECIFIED.

SURFACE REGULARITY
THIS REQUIREMENT IS IN ADDITION TO THE LEVEL TOLERANCES AND IS INDEPENDENT OF THEM.
A STRAIGHT EDGE 3m LONG IS LAID BOTH LONGITUDINALLY AND TRANSVERSELY, THE MAXIMUM ALLOWABLE DIFFERENCE BETWEEN THE SURFACE AND THE UNDERSIDE OF THE STRAIGHT EDGE SHALL BE FOR:
SURFACE COURSES: 3mm
BINDER COURSES: 6mm
BASE COURSES: 6mm
SUB-BASE: 10mm

SURFACE GRADIENTS

- TO CONFORM TO THE BRITISH STANDARDS THE MINIMUM FALL TO LINE DRAINAGE SYSTEMS OR KERBS IS 1:60 WHILST THE MINIMUM LONGITUDINAL FALL ALONG KERBS IS 1:150
- IF THE RESULTANT GRADIENT ON A WEARING COURSE IS LESS THAN 1:67 SOME PONDING MAY OCCUR ON A SURFACE WHICH IS WITHIN THE SURFACE REGULARITY SPECIFICATION.

MATERIAL TESTING REGIME
THE EVALUATION AND CONFORMITY OF ASPHALT MIXTURES WITH THE REQUIREMENTS OF THE EUROPEAN ASPHALT STANDARDS IS COVERED BY TWO STANDARDS IN THE EN 13108 SERIES:
• BS EN 13108 - 20 - TYPE TESTING
• BS EN 13108 - 21 - FACTORY PRODUCTION
THE MANUFACTURER AND SUPPLIER OF THE AS SPECIFIED ASPHALT MIXTURES AS NOTED ON THIS DRAWING SHALL CONFIRM AND SUPPLY RELEVANT CERTIFICATION THAT THEY HAVE SUPPLIED SAID ASPHALT MIXTURES WHICH HAVE BEEN TESTED IN LINE WITH THESE RELEVANT STANDARDS.

- General Notes
- TO BE READ WITH ALL OTHER JDL CONSULTANTS LTD DRAWINGS AND SPECIFICATIONS.
 - DO NOT SCALE THIS DRAWING.

Rev	Date	Revision Description	By	Chk
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Drawing Title
Hardstanding Details

Architect
Kendall Kingscott Ltd

Project

Chippenham Hospital
Generator Works

Drawn By N	Checked By NB	Approved By NB	Date Drawn 15/09/25	Project No 24342	Scale NTS
Project 4342	Original JDL	Volume XX	Level XX	Type DR	Room E
Number 25				Rev T01	