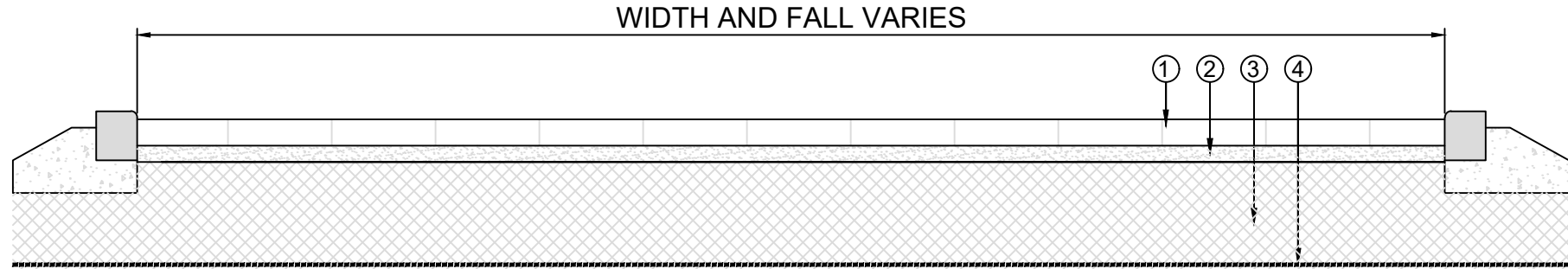


NOTES

- PRAM CROSSINGS TO HAVE 2 DROP KERBS AND A RAMPED KERB ON EACH SIDE. VEHICULAR CROSSINGS AT DRIVEWAYS SERVING SINGLE PROPERTIES TO HAVE A MINIMUM OF FOUR DROPPED KERBS AND A RAMPED KERB ON EACH SIDE. VEHICULAR CROSSING AT DRIVEWAYS SERVING MORE THAN ONE PROPERTY TO HAVE A MINIMUM OF SIX DROP KERBS AND A RAMPED KERB ON EACH SIDE.
- KERBS TO HAVE 25MM UPSTAND AT VEHICULAR CROSSINGS (UNLESS SHOWN OTHERWISE) AND LAID FLUSH WITH CARRIAGEWAY CHANNEL AT PEDESTRIAN/PRAM CROSSINGS.
- BACK OF FOOTWAY TO BE DROPPED TO ACHIEVE A 1/40 CROSS FALL ACROSS VEHICULAR CROSSOVERS.

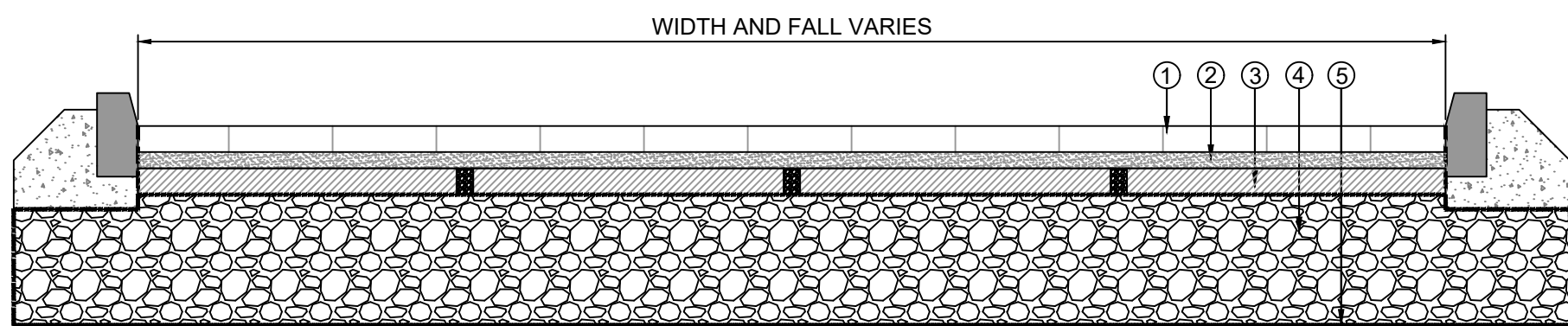
FOOTPATH DROP KERB DETAIL FOR VEHICULAR AND PRAM CROSSING

IMPERMEABLE PRIVATE DRIVE BLOCK PAVING CONSTRUCTION

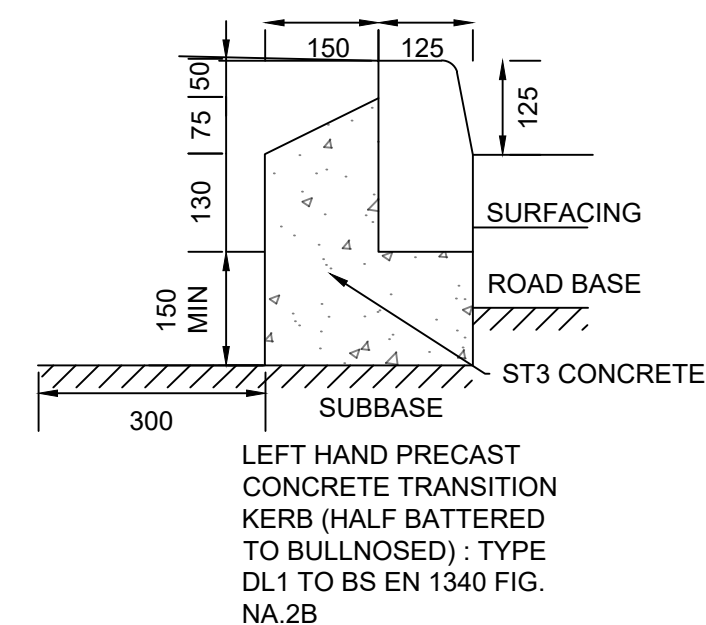


PRIVATE BLOCK PAVED ROAD	LAYER	SPECIFICATION	THICKNESS
	① SURFACE COURSE	OMEGA PRE-CAST CONCRETE BLOCK - 60mm THICK COLOUR AND TEXT TO EXTERNAL WORKS (101 SERIES)	60mm
	② LAYING COURSE	CLEAN COMPACTED SHARP SAND	50mm COMPACTED
	③ SUB-BASE	TYPE 1 SUB-BASE TO CLAUSE 803 SHW AND BS EN 13285. THICKNESS DEPENDANT ON CBR VALUE. REFER TO TABLE A (CBR TABLE).	REFER TO TABLE A
	④ GEOTEXTILE	PERMEABLE GEOTEXTILE MEMBRANE (TERRAM 1000 OR APPROVED EQUIVALENT)	1.1mm

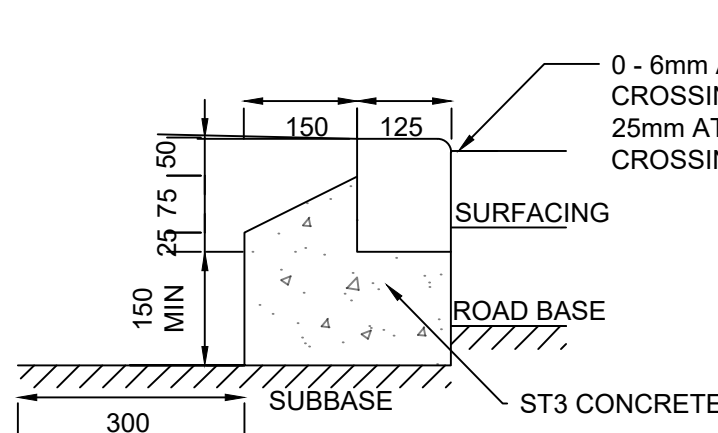
SPECIFICATION FOR PRIVATE PERMEABLE BLOCK PAVED CARRIAGEWAY CONSTRUCTION



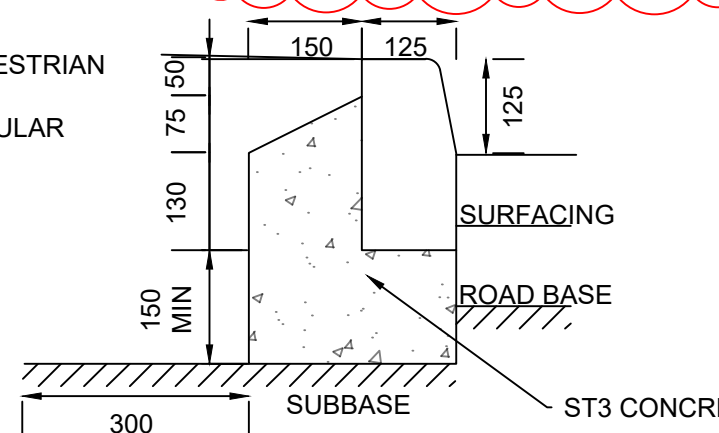
BLOCK PAVING ROADS (PRIVATE)	LAYER	SPECIFICATION	THICKNESS
	① SURFACE COURSE	OMEGA FLOW PRE-CAST CONCRETE BLOCK-80mm THICK COLOUR REFER TO ARCHITECT SPECIFICATION	80mm
	② LAYING COURSE	50mm THICK OF 5mm CLEAN SINGLE SIZE CRUSHED STONE	50mm
	③ BINDER COURSE	70mm THICK OF AC32 DENSE BASE ASPHALT 40/60 TO CLAUSE 929 SHW. AFTER BUILDING WORK IS COMPLETE CLEAN THE SURFACE REMOVING ALL DEBRIS ETC. CUT/PUNCH 50mm DIA. HOLES AT 0.75m CTRS (STAGGERED) THROUGH ASPHALT INTO SUB-BASE & FILL HOLES WITH 5mm CLEAN STONE (LAYING COURSE), LAY GEOTEXTILE FABRIC (TERRAM 700 OR SIMILAR APPROVED), COMPLETE LAYING COURSE & SURFACE COURSE DIRECTLY AFTER.	70mm
	④ SUB-BASE	SUB-BASE TYPE 3 GRANULAR SUB-BASE MATERIAL 0/40 WITH 30% VOIDS TO BS EN 13242 AND SHW SERIES 800 (THICKNESS TO BE THE GREATER OF THE REQUIRED HYDRAULIC OR STRUCTURAL THICKNESS.	CBR ⁽⁷⁾ 300mm (MINIMUM) REFER TO PAVING CONSTRUCTION
	⑤ GEOTEXTILE	PERMEABLE GEOTEXTILE MEMBRANE (TERRAM 1000 OR APPROVED EQUIVALENT)	1mm



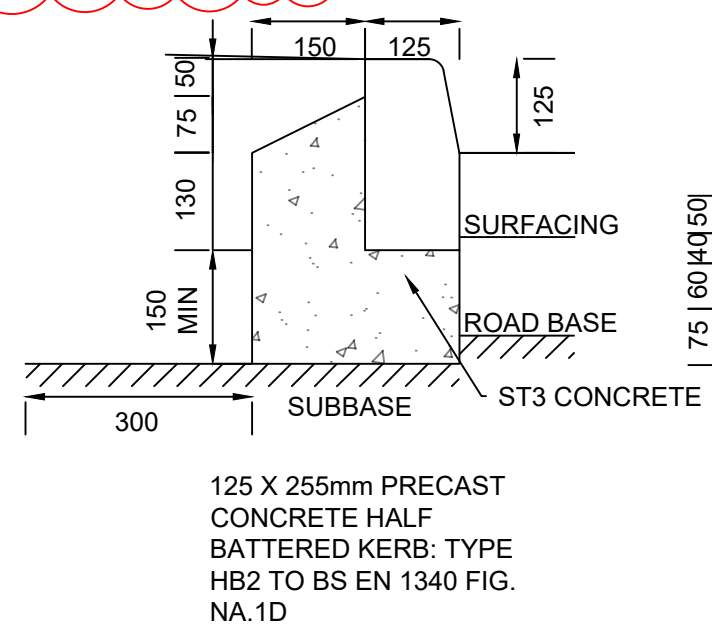
KERB TYPE K10
SCALE 1:10



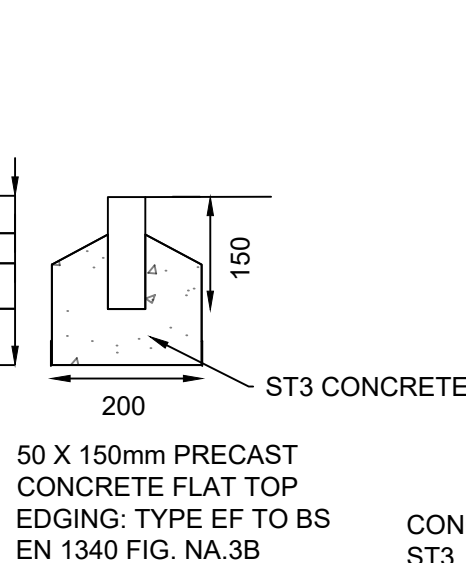
KERB TYPE K11
SCALE 1:10



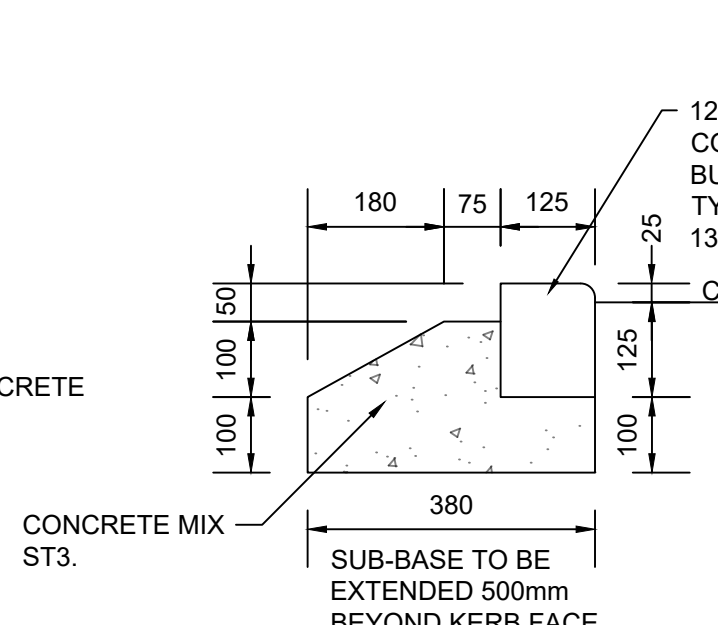
KERB TYPE K12
SCALE 1:10



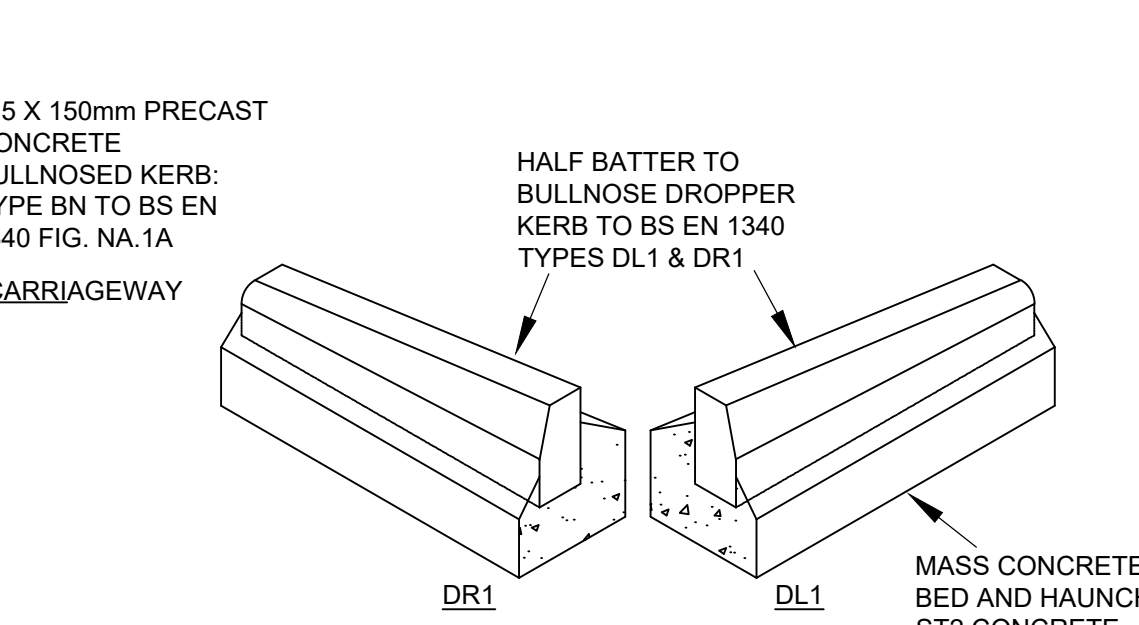
KERB TYPE K1
SCALE 1:10



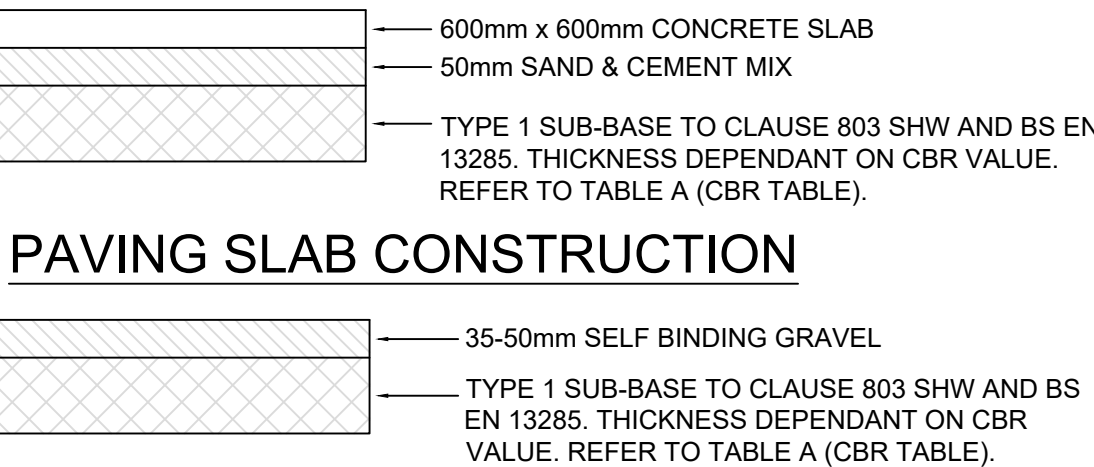
EDGING TYPE E1
SCALE 1:10



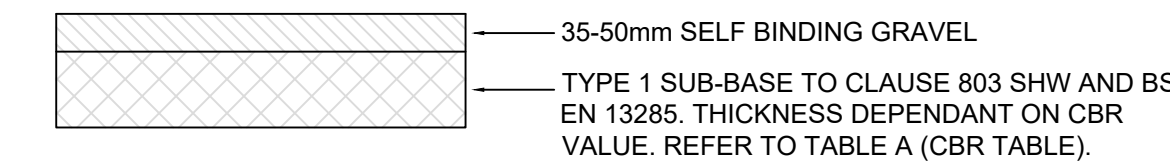
25mm BN KERB DETAIL
TYPE K2
SCALE 1:10



DROPPER TRANSITION KERB
TYPE DL1 & DR1
SCALE 1:10



PAVING SLAB CONSTRUCTION



AGGREGATE SELF-BINDING GRAVEL CONSTRUCTION

TABLE A (CBR VALUE)

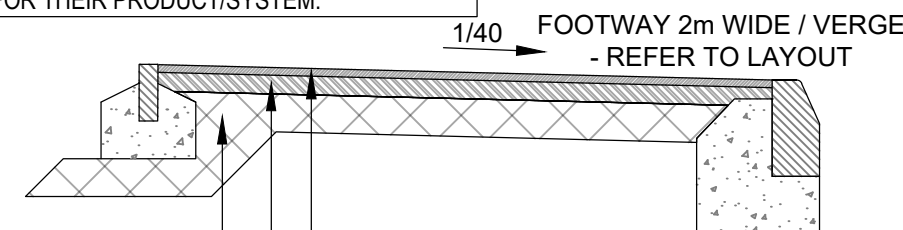
SUB GRADE CBR%	TABLE A		
	SUB-BASE ONLY OR SUB-BASE + CAPPING		
	FOUNDATION CLASS 2 SUB-BASE MCHW1803 THICKNESS (mm)	SUB-BASE MCHW1803 THICKNESS (mm)	CAPPING MCHW SERIES 600 THICKNESS (mm)
1	NOT PERMITTED	160 WITH GEOGRID H SERIES A-73211-L1	330 WITH GEOGRID H SERIES A-73211-L1
2.5	NOT PERMITTED	160 WITH GEOGRID H SERIES A-73211-L1	200 WITH GEOGRID H SERIES A-73211-L1
2.5	NOT PERMITTED	250	430
3	NOT PERMITTED	230	380
4	NOT PERMITTED	220	330
5	NOT PERMITTED	200	250
6	260	190	240
7	250	170	230
8	240	160	220
9	230	150	210
10	230	150	200
11	220	150	190
12	220	150	180
13	210	150	170
14	210	150	160
<15	200	150	150

REFER TO TENSAR O-62436-A-73211-AS Issue 02 FOR FULL SPECIFICATION

TABLE B (SUB-BASE GRADING)

SIEVE SIZE mm	PERCENTAGE PASSING	
	COARSE AGGREGATE, 4/40	COARSE AGGREGATE, 4/20
80mm	100	-
63mm	98-100	-
40mm	90-99	100
31.5mm	-	98-100
20mm	25-70	90-99
10mm	-	25-70
4mm	0-15	0-15
2mm	0-5	0-5
1mm	-	-

NOTE: THE GRADINGS FOR 4/20 ARE TYPICAL AND ADVICE SHOULD BE SOUGHT FROM THE BLOCK MANUFACTURER ON SPECIFIC GRADINGS SUITABLE FOR THEIR PRODUCT/SYSTEM.



FOOTWAY CONSTRUCTION AND HARD MARGINS

SURFACE COURSE: STONE MASTIC ASPHALT (SMA): 20mm THICK SMA 6 SURF 100/150 PSV 50 TO PD6691 ANNEX C AND TO BS EN 13108

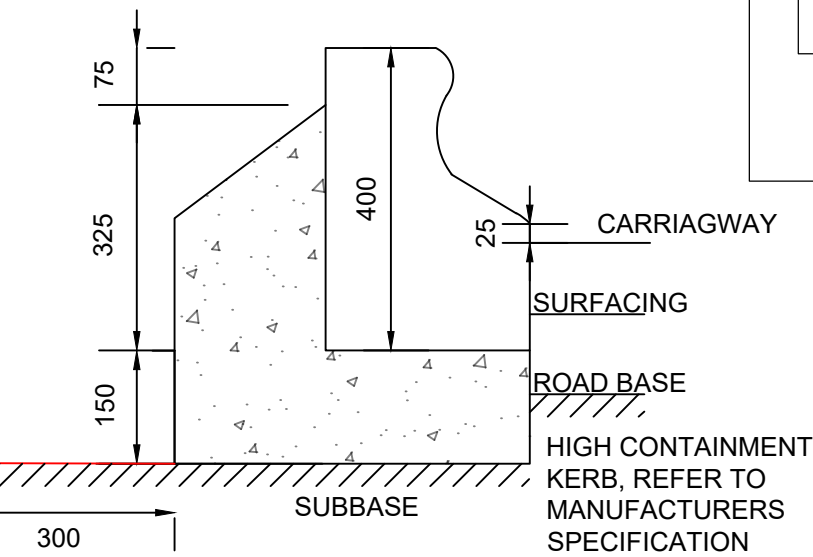
BINDER COURSE: ASPHALT CONCRETE (AC): 60MM THICK AC20 DENSE BIN 100/150 DES TO PD6691 ANNEX B TO BS EN 13108

SUB-BASE: 150mm THICK GRANULAR SUB-BASE TYPE 1 TO CLAUSE 803⁽⁷⁾ IF FROST IS SUSCEPTIBLE MINIMUM OVERALL DEPTH TO BE MIN.450mm

THICKNESS TO BE INCREASED TO 200mm AT VEHICULAR CROSSINGS

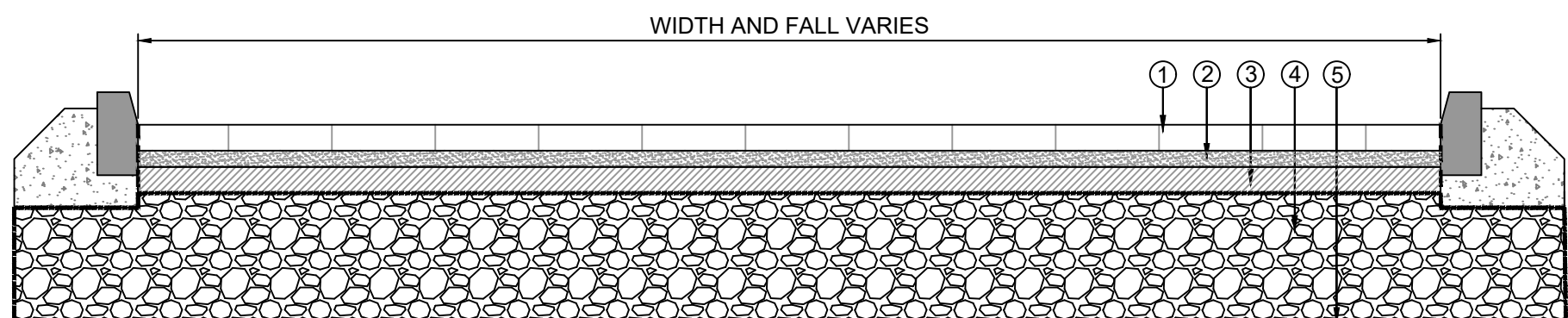
FOOTWAY CONSTRUCTION

NTS



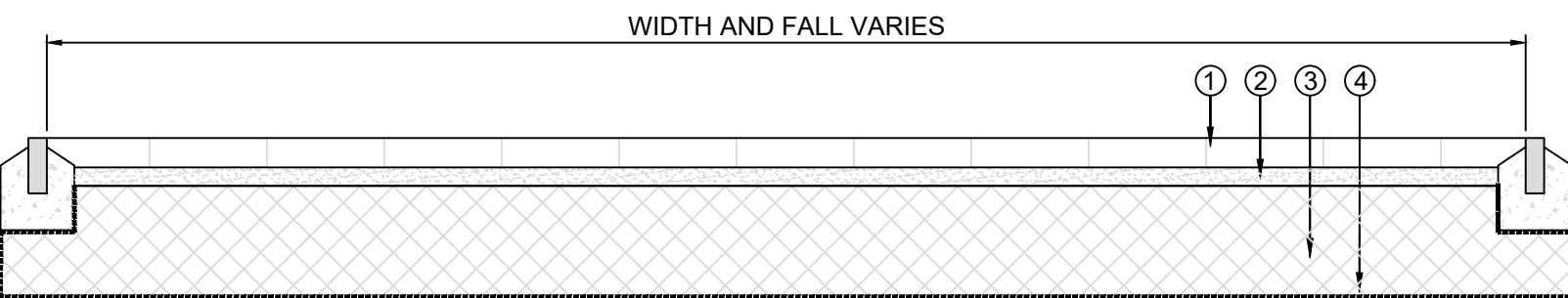
HIGH CONTAINMENT KERB
SCALE 1:10

SPECIFICATION FOR PRIVATE IMPERMEABLE BLOCK PAVED CARRIAGEWAY CONSTRUCTION



BLOCK PAVING ROADS (PRIVATE)	LAYER	SPECIFICATION	THICKNESS
	① SURFACE COURSE	OMEGA PRE-CAST CONCRETE BLOCK-80mm THICK COLOUR REFER TO ARCHITECT SPECIFICATION	80mm
	② LAYING COURSE	CLEAN COMPACTED SHARP SAND	50mm COMPACTED
	③ BINDER COURSE	80mm THICK OF AC32 DENSE BASE ASPHALT 40/60 TO BS EN13108-1	80mm
	④ SUB-BASE	SUB-BASE TYPE 3 GRANULAR SUB-BASE MATERIAL 0/40 WITH 30% VOIDS TO BS EN 13242 AND SHW SERIES 800 (THICKNESS TO BE THE GREATER OF THE REQUIRED HYDRAULIC OR STRUCTURAL THICKNESS.	CBR ⁽⁷⁾ 300mm (MINIMUM) REFER TO CONSTRUCTION

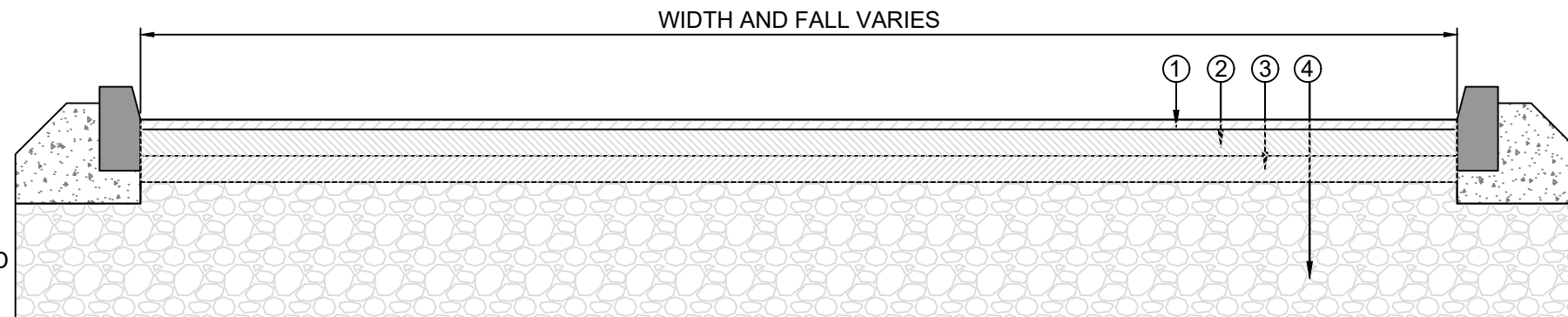
PERMEABLE PRIVATE DRIVE BLOCK PAVING CONSTRUCTION



REFER TO 'DRAINING OF PERMEABLE PAVING SUB-BASE DETAIL' FOR FALLS AND PERFORATED PIPE DETAILS

PRIVATE BLOCK PAVED ROAD	LAYER	SPECIFICATION	THICKNESS
	① SURFACE COURSE	OMEGA FLOW PRE-CAST CONCRETE BLOCK-60mm THICK COLOUR AND TEXT TO EXTERNAL WORKS (101 SERIES)	60mm
	② LAYING COURSE	2-6mm CLEAN STONE	50mm
	③ SUB-BASE	SUB-BASE TYPE 3 GRANULAR SUB-BASE MATERIAL 0/40 WITH 30% VOIDS TO BS EN 13242 AND SHW SERIES 800 (THICKNESS TO BE THE GREATER OF THE REQUIRED HYDRAULIC OR STRUCTURAL THICKNESS.	300mm (MINIMUM) REFER TO PAVING CONSTRUCTION
	④ GEOTEXTILE	PERMEABLE GEOTEXTILE MEMBRANE (TERRAM 1000 OR APPROVED EQUIVALENT)	1.1mm

SPECIFICATION FOR IMPERMEABLE TARMAC CARRIAGEWAY CONSTRUCTION (LAYBYS)



PERMEABLE ASPHALT ROADS (PRIVATE)	LAYER	SPECIFICATION	THICKNESS
	① SURFACE COURSE	SMA 10 SURF 40/60 TO BS EN 13108-5 AND PD 6691 UTILIZING AGGREGATE TO BS EN 13043 AND PD 6682-2	35mm
	② BINDER COURSE	SMA 20 SURF 100/150 TO BS EN 13108-1 AND PD 6691 UTILIZING AGGREGATE TO BS EN 13043 AND PD 6682-2	80mm
	③ BASE	SMA 32 SURF 100/150 TO BS EN 13108-1 AND PD 6691 UTILIZING AGGREGATE TO BS EN 13043 AND PD 6682-2	100mm
	④ SUB-BASE	TYPE 1 SUB-BASE TO CLAUSE 803 SHW AND BS EN 13285. THICKNESS DEPENDANT ON CBR VALUE. REFER TO TABLE A (CBR TABLE).	CBR ⁽⁷⁾ REFER TO TABLE A

Copyright Barter Hill Partnership. This drawing shall not be copied in whole or part without the written permission of The Barter Hill Partnership.

Notes

- CONSTRUCTION ISSUE DRAWING: This drawing should be read as a CONSTRUCTION ISSUE and should be used for construction under any circumstances.
- The design has been carried out in accordance with all current working drawings provided by CROUDACE HOMES. Please refer to CROUDACE HOMES house type working drawings to confirm locations of all drainage outlets. Any discrepancies should be reported to the engineer immediately, prior to commencement of any works on site.

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

DESIGNER'S HAZARD INFORMATION FOR CONSTRUCTION

- IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.
 - STRIKING CHARTED AND UNCHARTED BURIED AND OVERHEAD SERVICES INCLUDING BURIED HV & OVERHEAD EHV, GAS ETC.
 - DEEP DRAINAGE EXCAVATIONS. RISK OF FALLS, COLLAPSE OF TRENCH OR BATTER, CONFINED SPACES.
 - CONFLICT BETWEEN CONSTRUCTION WORKERS, VISITORS AND GENERAL PUBLIC WITH MOVING PLANT AND VEHICLES.
 - WORKS ADJACENT TO AND WITHIN PUBLIC ADOPTED HIGHWAY. CONFLICT BETWEEN CONSTRUCTION WORKERS/ACTIVITIES AND MOVING VEHICLES.
 - BANKING/ GRADING BETWEEN SITE BOUNDARY AND ADJACENT HIGHWAY STEP IN PLACES. MEASURES TO BE IMPLEMENTED TO ENSURE WORKERS AND GENERAL PUBLIC ARE SAFE.
- THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING.REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

C2	HIGH CONTAINMENT KERB DETAIL	LA	AB	16/01/25
C1	CONSTRUCTION ISSUE	LA	AR	02/09/24
T2	TABLE A UPDATED WITH TENSAR GRID	AR	AR	24/07/24
T1	TENDER ISSUE	LA	AB	19/01/24

Rev.	Description	By	Chk.	Date
------	-------------	----	------	------

barterhill
Barter Hill Partnership Limited
Greenway Business Centre
Greenway
Harlow Business Park
Essex CM19 5QE
t: 01279 430888
e: mail@barterhill.co.uk

Consulting Structural & Civil Engineers
15 Meridian Way
Meridian Business Park
Norwich NR7 0TA
t: 01603 300360
e: mail@barterhill.co.uk

Client

croudacehomes

Project

Cowards Lane,
Codicote

Drawing Title
**Private Road & Drainage Construction
Details Sheet 2 of 3**

Designed by AR	Drawn by LA	Checked by AB
Scale @ A1 As Shown	Contact Office Norwich	Date January 2024

Status CONSTRUCTION ISSUE	Revision C2	Job Ref 9674
---	-----------------------	-----------------

Drawing No
093-BHP-XX-XX-D-C-070-002

Cad file
P:9674/Teamwork/Civils/BHP Drawings/093-BHP-XX-XX-D-C-070