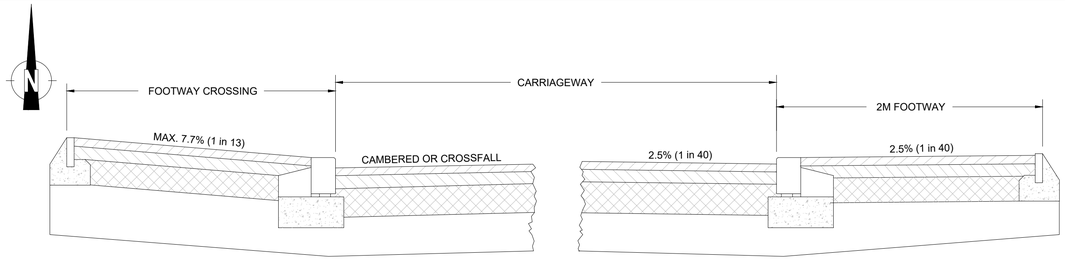
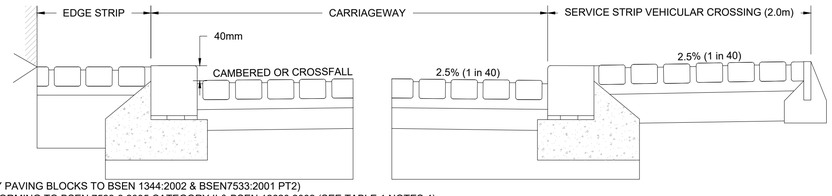


NOTES:
1. 40MM SURFACE COURSE 10mm HRA (HRA55/10F SURF 40/60 DES) TO BSEN 13108 PT4 (2007) & PD6691 (2006) ANNEX C
2. 60MM BINDER COURSE 20mm ASPHALTIC CONCRETE (AC 20 DENSE BIN 100/150 REC) TO BSEN 13108 PT1 (2006) & PD6691 (2007) ANNEX B.
3. 100MM BASECOURSE 32mm ASPHALTIC CONCRETE (AC 32 DENSE BASE 100/150 REC) TO BSEN 13108 PT1 (2006) & PD6691 (2017) ANNEX B
4. GRANULAR SUB-BASE MATERIAL TYPE 1 (CI.803 DTP SPEC.) FOR THICKNESS SEE TABLE 1.

CARRIAGEWAY CONSTRUCTION - TYPE 3 ROADS (RESIDENTIAL ACCESS ROADS)

SCALE 1:20



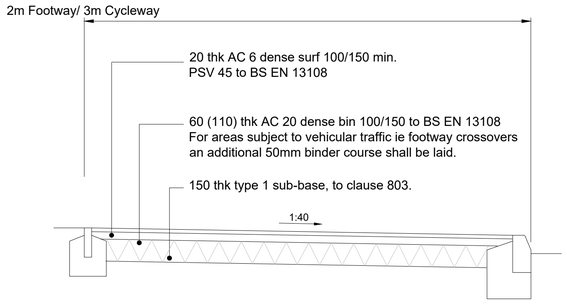
NOTES:
1. 80MM PAVING (200x100 CLAY PAVING BLOCKS TO BSEN 1344:2002 & BSEN7533:2001 PT2)
2. 50MM NATURAL SAND CONFORMING TO BSEN 7533-3:2005 CATEGORY II & BSEN 12620:2002 (SEE TABLE 1 NOTES 4)
3. 100MM DENSE BASECOURSE MACADAM BS 4987:PART 1:1988:CL6.5 TO FORM TEMPORARY RUNNING SURFACE DURING SITE CONSTRUCTION.
4. GRANULAR SUB-BASE MATERIAL TYPE 1 (CL803 DTP SPEC.) FOR THICKNESS SEE TABLE 1

SERVICE STRIP 2.0M WIDTH

5. THE SERVICE STRIP FORMS PART OF THE ADOPTABLE HIGHWAY AND MUST NOT BE INCLUDED FOR SALE AS PART OF ADJOINING PROPERTIES.
6. IT SHALL BE LAID OUT AS OPEN GRASS AND KEPT CLEAR OF TREES, SHRUBS, WALLS, FENCING, PERMANENT AND SEMI-PERMANENT STRUCTURES.
7. KERB UPSTAND IS NORMALLY 50MM, EXCEPT AT PEDESTRIAN COSSING POINTS.

CARRIAGEWAY CONSTRUCTION - TYPE 4 ROADS (SHARED SURFACE- ACCESSWAYS, MEWS COURTS, HOUSING SQUARES)

SCALE 1:20

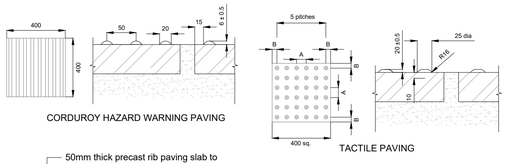


FOOT/CYCLEWAY CONSTRUCTION DETAIL

scale 1:25

TABLE 1: FOUNDATION THICKNESS FOR ALL TYPES OF ROAD			
CBR OF SUBGRADE:	CAPPING LAYER (mm)	SUB-BASE (mm)	OVERALL THICKNESS (mm)
Under 2%	Design must be agreed with and approved by the councils engineer before any works commence		
2% - 3%	350	150	500
3% - 4%	200	150	350
4% - 8%	150	150	300
8% - 15%	0	225	225
Above 15%	0	150	150

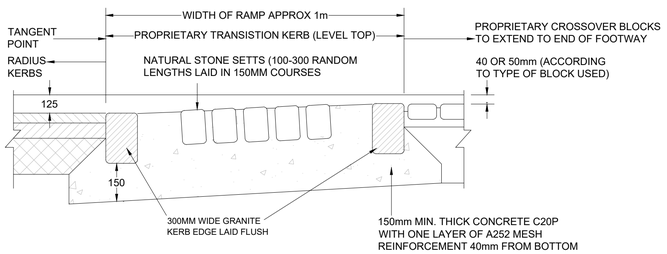
NOTES:
1. CBR's to be confirmed by insitu tests prior to construction.
2. These details include the use of heavy kerb/paving products which the contractor is expected to handle using appropriate mechanical handling aids in accordance with hse guidance.
3. Pavements constructed over frost-susceptible soils should have an overall thickness of non frost-susceptible material of at least 450mm
4. The use of sand derived from the processing of China Clay is not permitted, nor is the laying of paving blocks direct onto sub-base within the carriageway.



NOTES
1. Colour to be:
   i. Red for controlled crossings
   ii. Buff or contrasting colour, other than red, for uncontrolled crossings
2. Tactile paving to be laid in accordance with the requirement of DETR document- 'guidance on the use of tactile paving surfaces 1998'
3. The actual depth of the slab will be related to the materials used to construct the modules.

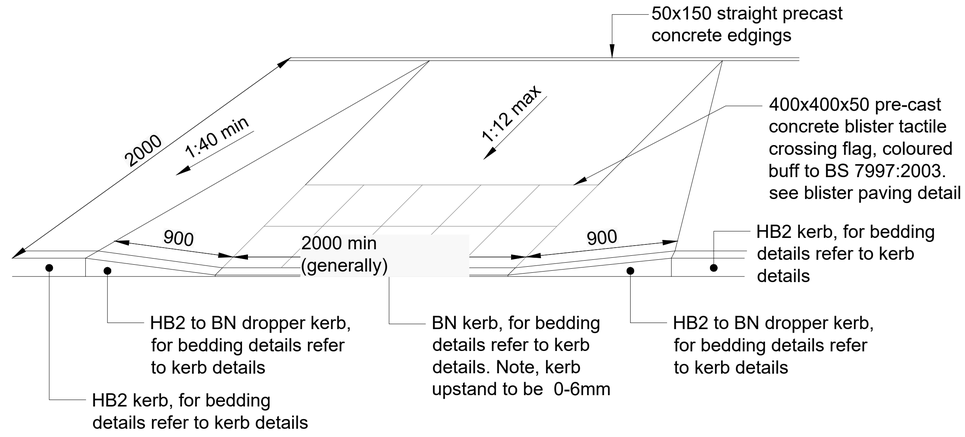
BLISTER PAVING

scale 1:25



TYPE 2 RAMP DETAIL

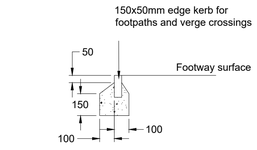
SCALE 1:20



NOTES
1. Kerbs may be laid directly onto the concrete whilst still plastic with the written permission of the engineer.
2. All concrete and concrete products below ground level to be class DS-1 in accordance with BRE special digest 1.

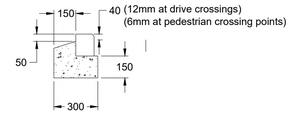
DROPPED KERB CROSSING DETAIL (UNCONTROLLED)

scale 1:50



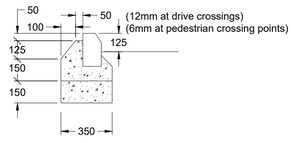
KERB/EDGING DETAIL

scale 1:20



STANDARD KERB DETAIL FOR TYPE 4 ROADS UTILISING PRECAST KERBS

scale 1:20



STANDARD KERB DETAILS FOR TYPE 3 ROADS UTILISING PRECAST KERBS

scale 1:20

NOTES:
1. NO PART OF THIS DRAWING MAY BE COPIED, TRANSFERRED, OR MADE AVAILABLE TO USERS OTHER THAN THE ORIGINAL RECIPIENT, INCLUDING ELECTRONICALLY, WITHOUT PRIOR PERMISSION FROM VECTOS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS INCLUDING CORNWALL SPECIFICATION CONSTRUCTION NOTES DOCUMENT.
3. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES.
4. NO DIMENSIONS TO BE SCALED FROM THIS DRAWING.
5. CONCRETE GRADES (BS 8500)
   MASS C16/20
   BLINDING C16/20
6. THE FOLLOWING TYPES OF PIPES FROM APPROVED MANUFACTURERS MAY BE USED FOR HIGHWAY SURFACE WATER DRAINS:
   A) CONCRETE PIPES MADE WITH SULPHATE RESISTING CEMENT TO BS 5911-1:2002 + A2:2010.
   B) "PLASTIC" PIPES (PVC_U) TWIN WALL WITH A SMOOTH INTERNAL AND RIBBED EXTERNAL WALLS, WITH CURRENT BBA CERTIFICATION.
7. POSITION MH'S COVERS ¼ CARRIAGEWAY WIDTH OR OUT OF THE MAIN VEHICULAR WHEEL TRACKS AND OPPOSITE ROAD JUNCTIONS TO ENABLE FUTURE MAINTENANCE WITHOUT CLOSING THE ROAD.
8. A CCTV SURVEY AND REPORT WILL BE REQUIRED OF ALL COMPLETED DRAINAGE, INCLUDING GULLY CONNECTIONS, BEING PUT FORWARD FOR ADOPTION. IDEALLY THIS SHOULD BE CARRIED OUT AFTER THE SUBSTANTIAL COMPLETION OF THE CONSTRUCTION WORKS, BUT PRIOR TO THE LAYING OF THE CARRIAGEWAY SURFACE COURSE. ALL PIPES SHOULD BE JETTED CLEAN PRIOR TO THE SURVEY.
9. WHERE THE DEPTH OF COVER TO THE TOP OF PIPE BELOW EITHER THE CARRIAGEWAY OR FOOTWAY IS 1.2M OR LESS, ALL PIPES AND DUCTS, INCLUDING PLASTIC, SHALL HAVE A BED AND SURROUND OF 150MM ST2 CONCRETE. THE LEVEL OF THE UPPER SURFACE OF WHICH SHALL IN NO CASE BE LESS THAN 150MM BELOW FINISHED CARRIAGEWAY LEVEL. THIS IS THE CASE FOR RIDGED AND FLEXIBLE PIPES.
10. BEFORE ENTERING OR BREAKING INTO AN EXISTING SEWER OR DRAIN, NOTICE SHALL BE GIVEN TO THE DRAINAGE UNDERTAKER RESPONSIBLE FOR THE PIPE TO WHICH THE CONNECTION IS TO BE MADE, APPROPRIATE PERMISSION OBTAINED, AND FEES PAID. PROVISIONS SHOULD BE MADE TO ENSURE THEIR CONTINUOUS USE. PLEASE INVESTIGATE THE POINT OF OUTFALL FOR EACH DRAINAGE CONNECTION BEFORE ANY ALTERATION IS MADE.

AWAITING TECHNICAL APPROVAL

This drawing has NOT been technically approved by Local Authority and/or Water Authority.
All works subject to change through technical review process with relevant approving authorities.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

PLEASE REFER TO THE HEALTH AND SAFETY FILE FOR A FULL LIST OF THE HAZARDS ASSOCIATED WITH THIS WORK - THE FOLLOWING ARE THE MOST SIGNIFICANT ITEMS TO BE AWARE OF.

CONSTRUCTION
1. OPERATIVES TO TAKE PRECAUTIONS WHEN WORKING ADJACENT TO OR WITHIN DEEP EXCAVATIONS. METHOD STATEMENT TO BE PRODUCED BY CONTRACTOR PRIOR TO WORKS COMMENCING.
2. ATTENTION IS DRAWN TO THE EXISTENCE OF BOTH EXISTING UNDERGROUND AND OVERHEAD UTILITIES.

ENVIRONMENTAL
1. EXISTING WATERCOURSES IN CLOSE PROXIMITY TO WORKS. A POLLUTION PREVENTION STRATEGY AND WORKING METHOD STATEMENTS TO BE PRODUCED BY THE CONTRACTOR FOR ALL WORKS.
2. CONSIDERATION GIVEN TO NOISE LEVELS GIVEN PROXIMITY TO EXISTING PROPERTIES.
3. CONSIDERATION GIVEN TO GROUND CONDITIONS. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PRIOR TO UNDERTAKEN EXCAVATION WORKS.

WORK CAN ONLY BE CARRIED OUT BY SUITABLY TRAINED AND BRIEFED PERSONNEL

Rev	Amendments	Date	By	Chk	Auth
P01	First issue	10.09.24	IO	JAK	JAK

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Drawing Status & Suitability Code: FOR STAGE APPROVAL S4

Client: POWIS ESTATES

Project: LAND AT VERLON FARM, POOL ROAD, MONTGOMERY

Drawing Title: ADOPTABLE HIGHWAY DETAILS

Scale	SLR Project No.
1:20 @ A1	416.065277.00001

Designed	Drawn	Checked	Authorised
IO	IO	JAK	JAK
Date 07.10.2024	Date 07.10.2024	Date 07.10.2024	Date 07.10.2024

Drawing Number: 416.065277-SLR-XXX-XXX-DE-CH-0100 Rev: P01

0 0.2 0.4 0.8 1.2
1:20 SCALE (m)

14/10/2024

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