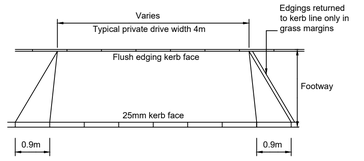


BITUMINOUS MINOR ACCESS ROAD
CROSS SECTION



*Widths may vary, only typical shown.
Refer to engineering layout

VEHICLE CROSS OVER

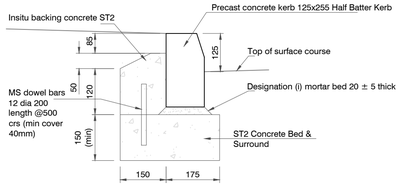
TABLE 1 - CARRIAGEWAY SPECIFICATION

	Residential Access Roads Road Type 3 (AR3)
SURFACE COURSE	40mm Thick HRA 55/10 C Surf 40/60 des to MCHW SHW clause 911.
BINDER COURSE	60mm AC 20 HDM bin 40/60 des to MCHW SHW Clause 929
BASE COURSE	100mm AC 32 HDM base 40/60 des to MCHW SHW Clause 929

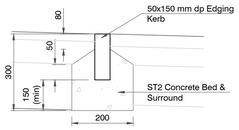
TABLE 3 - CBR VALUES

C.B.R Value	Road Pavement foundation options Capping to CL 613.	Type 1 to CL 803.
<2.5%	Refer to notes 4 & 5 below	
2.5%-<5%	420mm Plus	250mm
5%-<10%	250mm Plus	200mm
10%-15%	200mm	150mm
>15%	150mm	150mm

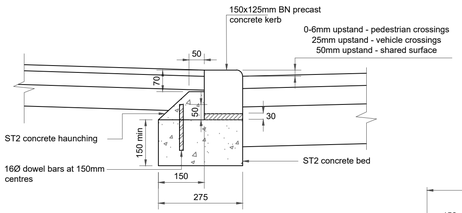
Note:
1. Pavement Design to be in accordance with BS 7533.
2. All Concrete foundations / backing kerbs are to be mechanically vibrated.
3. Ground water must be minimum 300mm below capping.
4. Where a CBR value is less than 2.5% options for improvement of the subgrade must be included in the design. Options for improvement of the subgrade include excavation and replacing between 500 to 1000 of the soft subgrade with granular fill, mechanical stabilisation (geogrids and/or geotextiles) and soil stabilisation. Following ground improvement works, the CBR test shall be undertaken again, a minimum of 2.5% is required prior to placing road pavement foundation layers using the guidance layer thickness in CBR Values table (TABLE 3).
5. Geogrid ground reinforcement will not be permitted where this conflicts with proposed or existing underground service utilities within the road pavement. A separate service utilities corridor within the verge, footway or adjacent land shall be included in the scheme proposal. The designer or developer shall submit the serviceutilities design for diversion, protection and new services, this shall form part of the technical approval.



125X255MM HALF BATTERED KERB
(TYPE HB2)

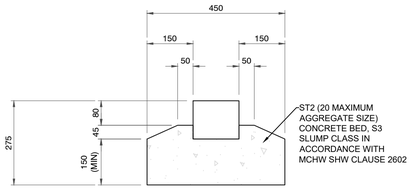


FLUSH 50X150MM EDGING
FLAT KERB
(TYPE EF)



BN KERB

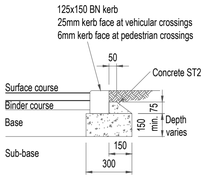
NOTE:
Dowel bars can be omitted from the detail if the contractor lays the bed and haunch in one operation. If the bed is to be cast separately and allowed to go off before the haunch is cast, the dowel bars are required.



FLUSH 125x150mm PRECAST CONCRETE
CHANNEL (TYPE CS2)

TABLE 2 - FOOTWAY & VEHICULAR CROSSING SPECIFICATION

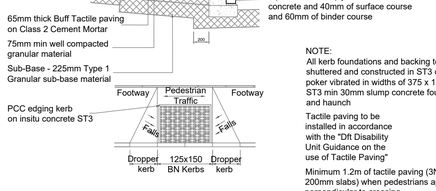
	BITUMINOUS FOOTWAY	VEHICULAR CROSSING
SURFACE COURSE	20mm thick AC 6 dense surf 100/150 Cl. 909 Min PSV 45	20mm thick AC 6 Dense surf 100/150 Cl.909 Min PSV 45
BINDER COURSE	60mm thick AC 20 dense bin rec 40/60 Cl.906 Min PSV 45	60mm AC 20 dense bin rec 40/60 Cl.906 Min PSV 45
ROAD BASE	N/A	N/A
SUB BASE/CAPPING	150mm thick Type 1 granular sub-base in accordance with MCHW clause 803 with rolling & Compaction in accordance with MCHW SHW clause 612 and table 6/4	225mm thick Type 1 granular sub-base in accordance with MCHW clause 803 with rolling & Compaction in accordance with MCHW SHW clause 612 and table 6/4



Dropped Kerb BN
Scale 1:20

Additional Notes for Kerb Details

1. Kerbs are to be precast to BS 7263: 1994.
2. Transition kerbs are to be used at all changes of kerb type.
3. Concrete bed is to rest on or within sub-base layer or on additional concrete, measured separately to allow it to rest on sub-base. Sub-base is to protrude 500mm from face of kerb, behind kerb and is to have a minimum thickness of 100mm where sub-base is to be drained or an approved method of drainage provided. (Without an agreement, all existing kerb race to be excavated)
4. Kerbs shall be laid on Class 1 mortar laid on bed in accordance with Clause 2404 and having a minimum thickness of 10mm and a maximum thickness of 40mm. All kerbs to be laid on mortar bed as per drawn kerb details.
5. Dowel bars are specified when small element edging is used. They are to be bedded at 500mm centers.
6. If half battered kerbs are used in conjunction with 'Safeticurb' Type HB2 half battered kerbs, kerb face is to be reduced to 100mm to suit.



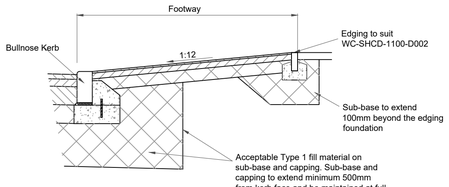
TACTILE PAVING CROSSING DETAIL

NOTE:
All kerb foundations and backing to be shuttered and constructed in ST3 concrete, poker vibrated in widths of 375 x 150mm. ST3 min 30mm slump concrete foundations and haunch

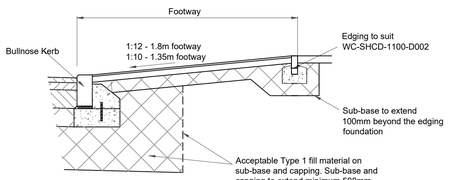
Tactile paving to be installed in accordance with the "Dft Disability Unit Guidance on the use of Tactile Paving"

Minimum 1.2m of tactile paving (3No 133mm x 200mm slabs) when pedestrians approach perpendicular to crossing.
NOTE - Refer to plan for tactile paving layout, which may vary from the above depending upon location Central Kerb to be 0-6mm upstand from carriageway surface.

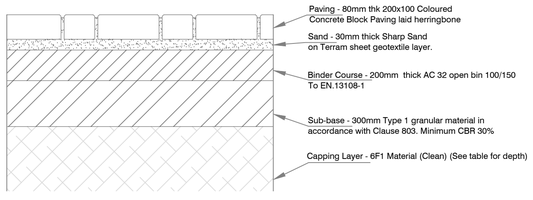
The Tactile paving should be 65mm thick 133mm x 200mm and laid in Class 2 Cement mortar on 225mm Sub-Base.



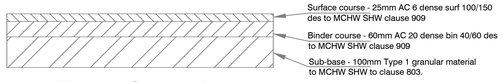
DROPPED FOOTWAY CROSSING AT 3 No. CROSSINGS & ABOVE
TYPICAL SECTION



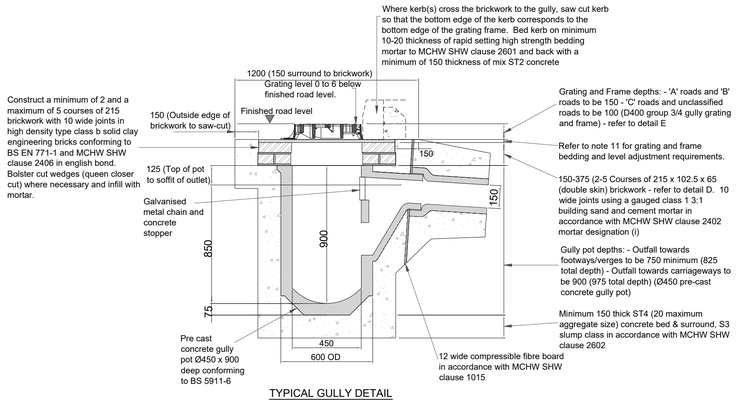
DROPPED FOOTWAY CROSSING AT UPTO 2 No.CROSSINGS
TYPICAL SECTION



Block Paving Construction



Footway Construction



TYPICAL GULLY DETAIL
(in acordance with WC dwg no. WC-SHCD-0500-D001)

General Notes

1. Do not scale this drawing. If in doubt, ask.

2. This drawing is to be read in conjuction with all relevant Architect's, Engineer's and Specialist drawings and specifications.

3. All dimensions are in millimetres unless noted otherwise. All levels are in metres unless noted otherwise.

4. Any discrepancies noted on site are to be reported to the Engineer immediately.

5. The Contractor is responsible for ensuring that all works are to the satisfaction of the Engineer, and shall be deemed to have included in his rates for any necessary testing.

6. Bituminous spray to be applied to all existing surfaces where directly overlaid by bituminous material. Rate of spread to be 0.4-0.6 litres per square metre.

7. All works shall be carried out in accordance with Wiltshire Council Design Guide and associated construction details.

8. Clauses refer to the Specification for Highway Works, unless otherwise stated.

9. All concrete foundations / kerb backing to be mechanically vibrated.

10.Trench back-fill material to be in accordance with SHW (Specification for Highway Works) Clause 505 and 507.7.

11. All units supplied to comply with BS EN 124 as supplemented by BS 7903 and shall be supplied and installed following the guidance of highways advice note HA104-02 within the DMRB 4.

ANY WORKS UNDERTAKEN PRIOR TO RECEIPT OF TECHNICAL APPROVAL FOR THEIR RESPECTIVE PROPOSALS IS DONE AT THE CONTRACTOR'S OWN RISK.

FOR CURRENT UPTO DATE HIGHWAY CONSTRUCTION DETAILS REFER TO WILTSHIRE COUNTY COUNCIL HIGHWAYS STANDARD DETAILS WHICH WILL BE ISSUED WITH TECHNICAL APPROVAL PACK

REV	DATE	DESCRIPTION	REVISED	CHECKED	APPROVED
P6	12.06.2026	REVISED TO SUIT DETAILED DESIGN	KC	SOM	TG
P5	28.11.2025	Updated dropped footway crossing detail.	MW	SD	SD
P4	25.11.2025	Ramp Detail Removed	AT	JG	SD
P3	21.10.2025	Revised to suit client comments	AT	JG	SD
P2	31.10.2025	Revised to suit client comments	AT	JG	SD
P1	17.10.2025	First Issue	AT	JG	SD

Adoptable Road Construction Details

Land at High Street
Sutton Benger

CLIENT: Charles Church

DATE: 01.10.2025
SCALE: NTS
DRAWN BY: AT
CHECKED BY: JG
APPROVED BY: SD

PEG Drg No. - P25-0648-PEG-25-SK-DR-C-0160
DRAWING NUMBER: P25-2384- PEG - XX - XX - DR - C - 0160 -P6
PG OFFICE / TEAM: BIR/IN

PEGASUS REF No: P25-2384
DRAWING STATUS: DETAILED DESIGN

PEGASUS GROUP

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