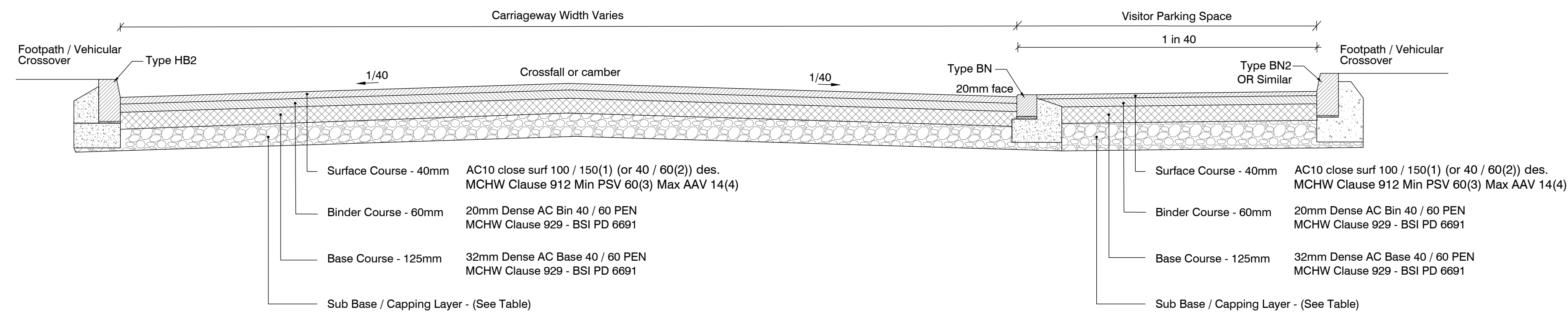
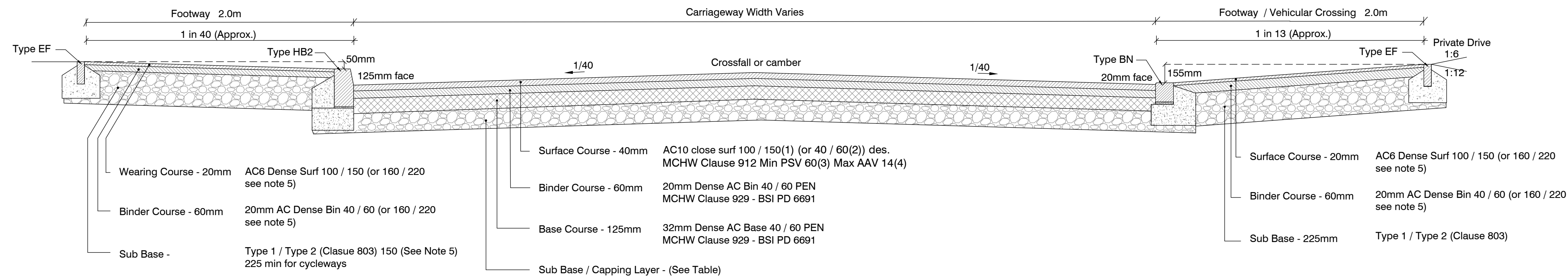
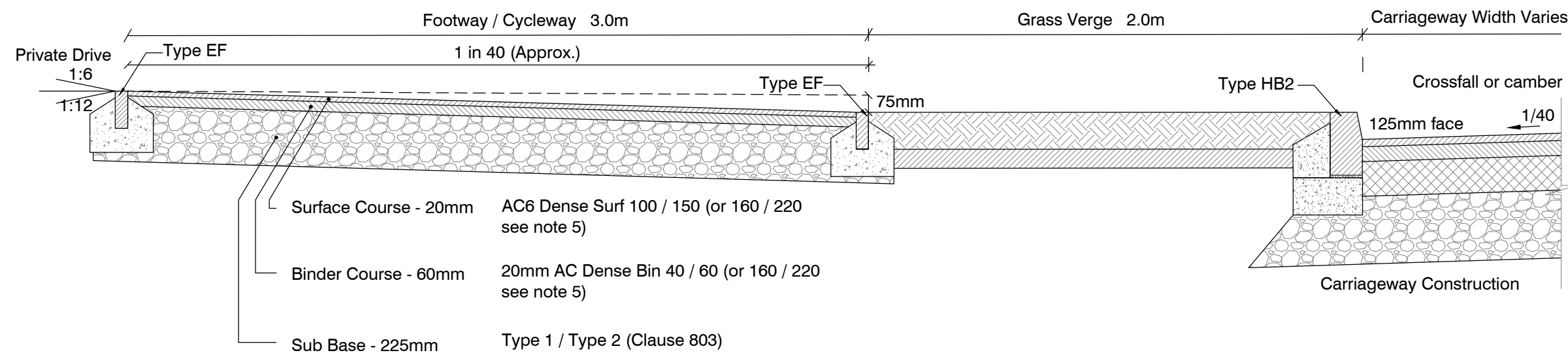




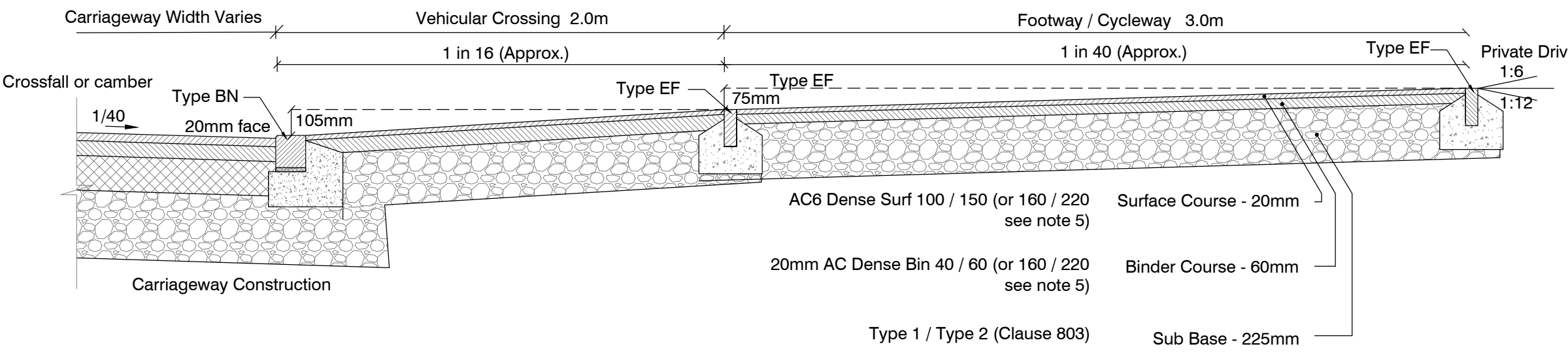
STANDARD DBM ROAD WITH VISITOR PARKING SPACE
CONSTRUCTION DETAIL



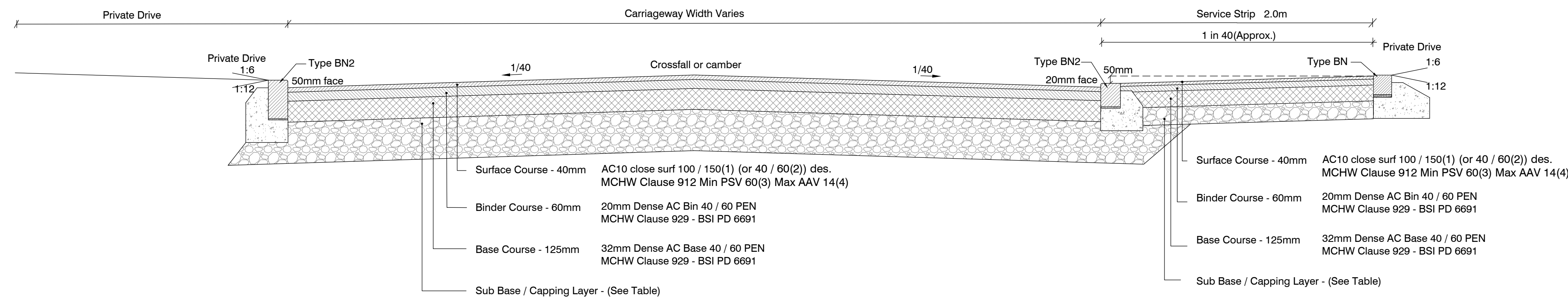
STANDARD DBM ROAD
CONSTRUCTION DETAIL



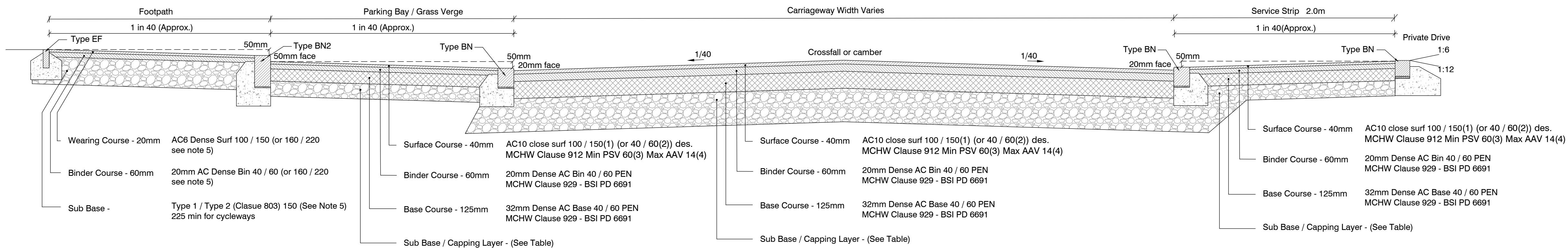
STANDARD DBM ROAD WITH GRASS VERGE AND CYCLE / FOOTWAY
CONSTRUCTION DETAIL



STANDARD DBM ROAD WITH VEHICLE CROSSING AND CYCLE / FOOTWAY
CONSTRUCTION DETAIL



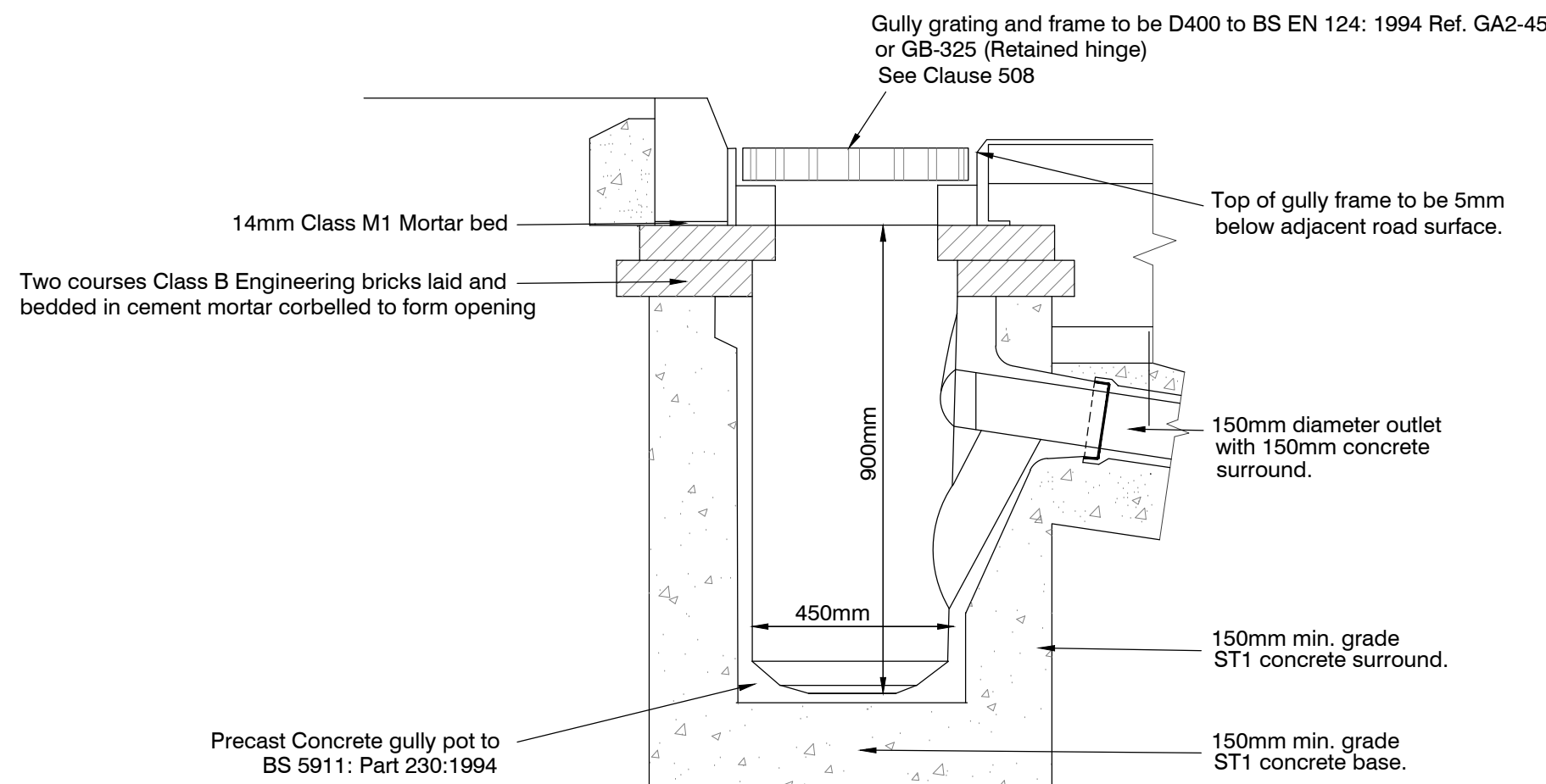
STANDARD DBM ROAD SHARED SURFACE AREA
CONSTRUCTION DETAIL



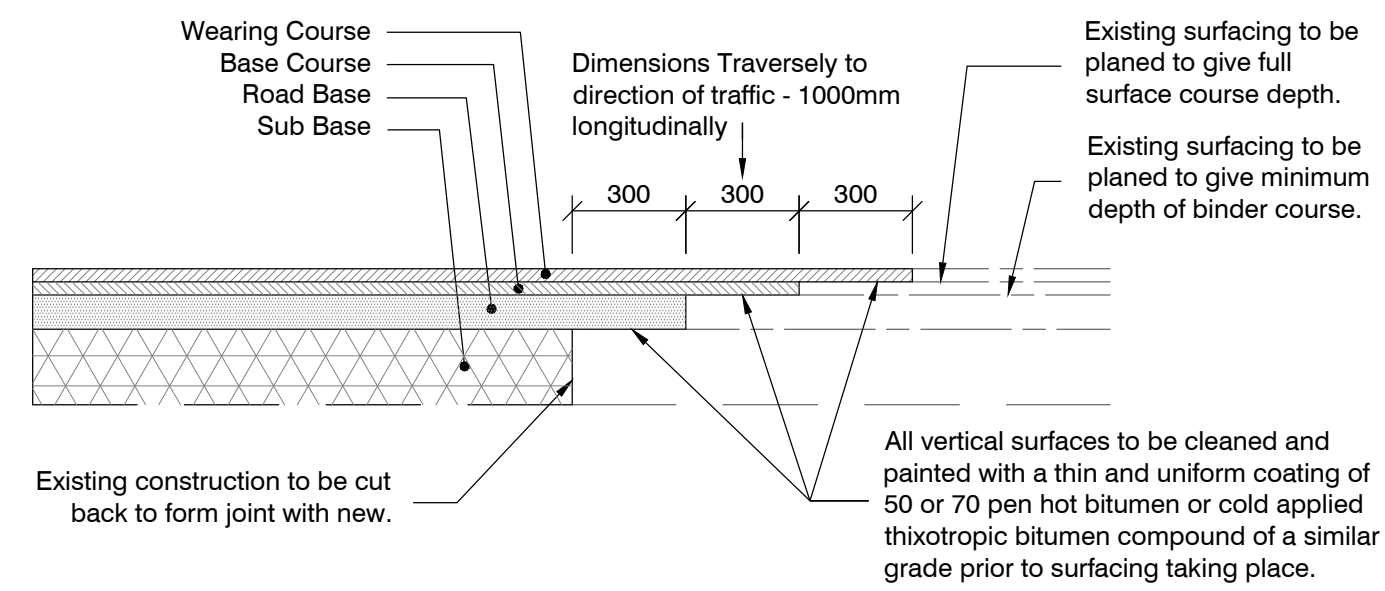
STANDARD DBM ROAD SHARED SURFACE AREA WITH PARKING BAY / FOOTPATH
CONSTRUCTION DETAIL

SUB BASE AND CAPPING LAYER

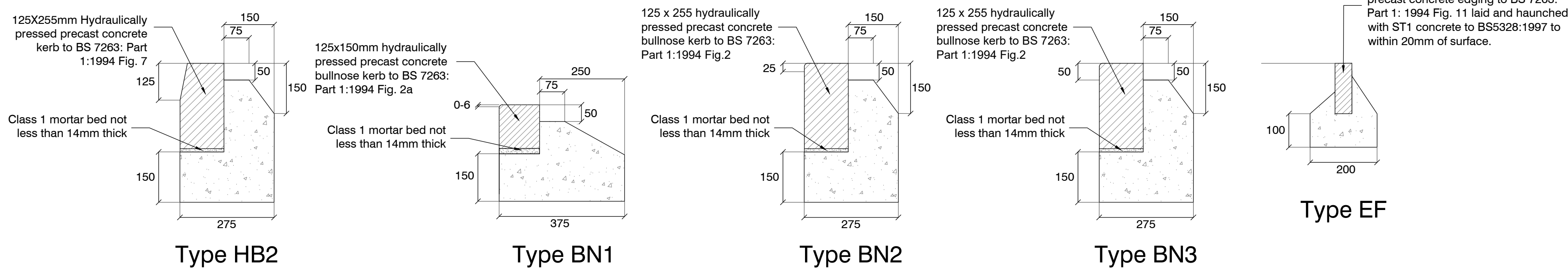
Subgrade CBR	Capping Layer Thickness (mm)	Sub base Thickness (mm)	Foundation Type
CBR> 15%	150	200	1
CBR> 10% - 15%	250* (note 8) or 170	250* (note 8) or 180	2
CBR> 5% - 10%	350* (note 8) or 210	350* (note 8) or 240	1
CBR> 2.5% - 5%	550* (note 8) or 250	550* (note 8) or 350	1
CBR <2.5%		See Note 9.	2



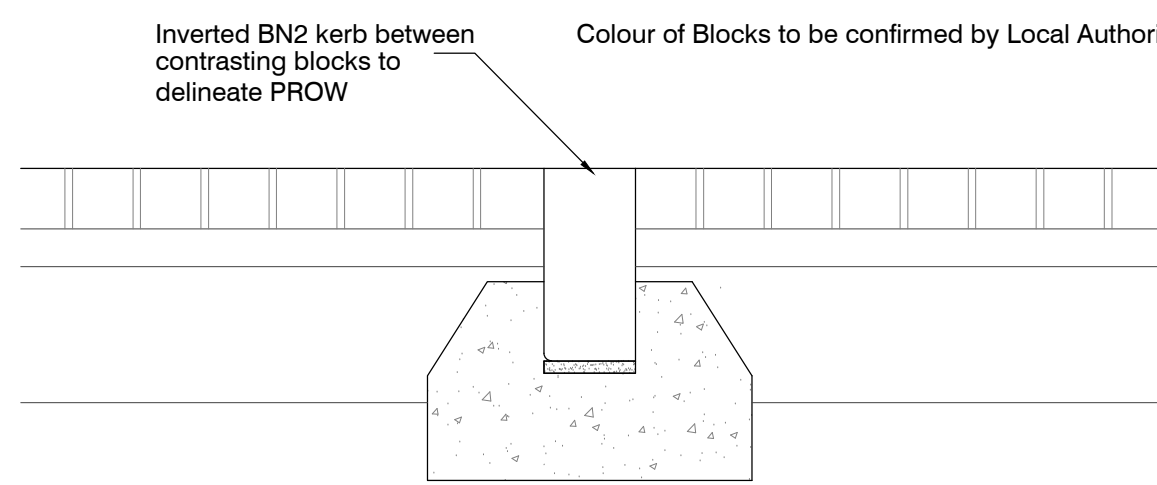
ROAD GULLY DETAIL



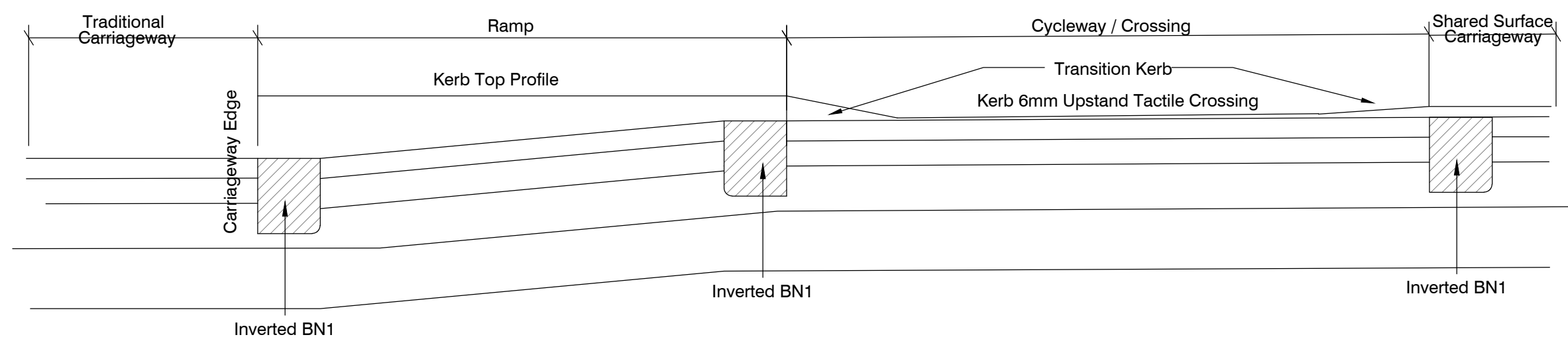
TYPICAL TIE-IN DETAIL
(CARRIAGEWAY AND FOOTWAYS)



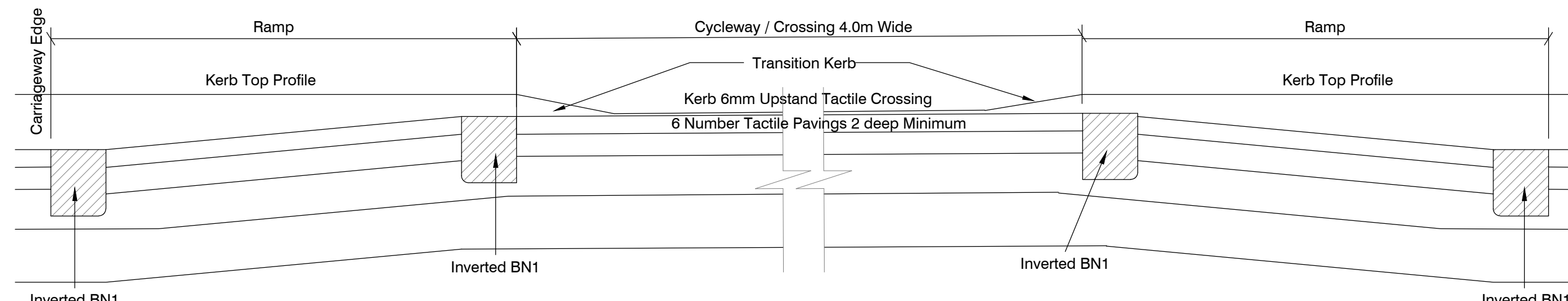
KERBING DETAILS



PROW Delineation Kerbing Detail



RAMP / CYCLEWAY DETAIL - ENTRANCE TO SHARED SURFACE



RAMPED CYCLEWAY CROSSING DETAIL - TRADITIONAL CARRIAGEWAY

Highways Notes

- BSI PD6691 Guidance on the use of BS EN 13108. Bituminous mixtures - Material specifications
- 160/220 pen binder may be considered for use during winter months but prior approval for its use MUST be obtained from Wiltshire Council.
- 40/60 Pen binder shall NOT be used for hand laying
- Minimum PSV value stated. Table 3 HD38 / 06 and appropriate site categorisation / investigatory level to be checked by the developer to ensure the site does not demand higher min PSV values.
- Maximum AAV value stated. Table 3-2 HD38 / 06 to be checked by developer to traffic flows do not demand lower maximum AAV values.
- Capping layers to MCHW Clause 613 Types 6F1, 6F2, 6F4 and 6F5.
- Subbase layers to MCHW Clauses 603, 604, 605 and 606.
- Where CBR value is less than 2.5% an alternative subgrade design involving geotextiles or soil stabilisation is to be used - please see detail.
- Prior to the commencement of laying of formation shall be treated with an approved residual weed killer.
- Geogrid to be used in areas of Alluvium - See detail
- Not suitable for 'no dig' construction is required
- Asphalt concrete to be in accordance with BS EN 13108-01 and BS 594987
- Hot rolled asphalt to be in accordance with BS EN 13108-04 and BS 594987
- Where block paviers are the proposed surface course they must be in accordance with BS 7533-2 2001 Category II Trafficking. Prior approval required
- Total Carriageway construction depth must be greater than 450mm to negate susceptibility to frost penetration, irrespective of CBR value.
- PSV requirements shall be declared in accordance with HD 36 / 00 table 3.1

Footway Notes

- Prior to the commencement of laying of formation shall be treated with an approved residual weed killer.
- Not suitable for 'no dig' construction is required
- Sub Base of 225mm to be included in areas of poor existing ground with Geotextile membrane OR geo-grid.
- Where a footpath is proposed between walls, private land or other features then positive drainage will be necessary in order to prevent run off of highway surface water.
- For AC 6 Dense Surf & AC 20 Dense Bin, 160 / 220 may be used if hand laying in winter.
- Fir cycleway construction machine laying is the default option for the surface course. Permission to hand lay must be sought from Wiltshire Council.
- Tactile paving to be specified and installed in accordance with DETR guidance on the installation of Tactile Paving 1998.

TENDER

Rev	Date	Description	By
E	21.10.22	ROAD CONSTRUCTION DETAILS REVISED AND NOTED / CBR	RWP
D	25.09.22	TABLE ADDED	RWP
C	25.03.22	PROW Delineation and ramp Details added	RWP
B	24.08.21	ISSUED FOR PLANNING	ML

Dimensions to be verified on site.
This drawing should not be scaled. Use figured dimensions only.
Any discrepancies should be referred to the Engineer prior to work being put in hand.
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BELLWAY HOMES

HILPERTON

Highway Construction Details
Sheet 1 of 2

PLANNING

Designed by	Drawn by	Checked by	Date	Scale	By
RWP	RWP	SM	Mar '21	NTS	

Drawing No
21007-C-400-DET-E