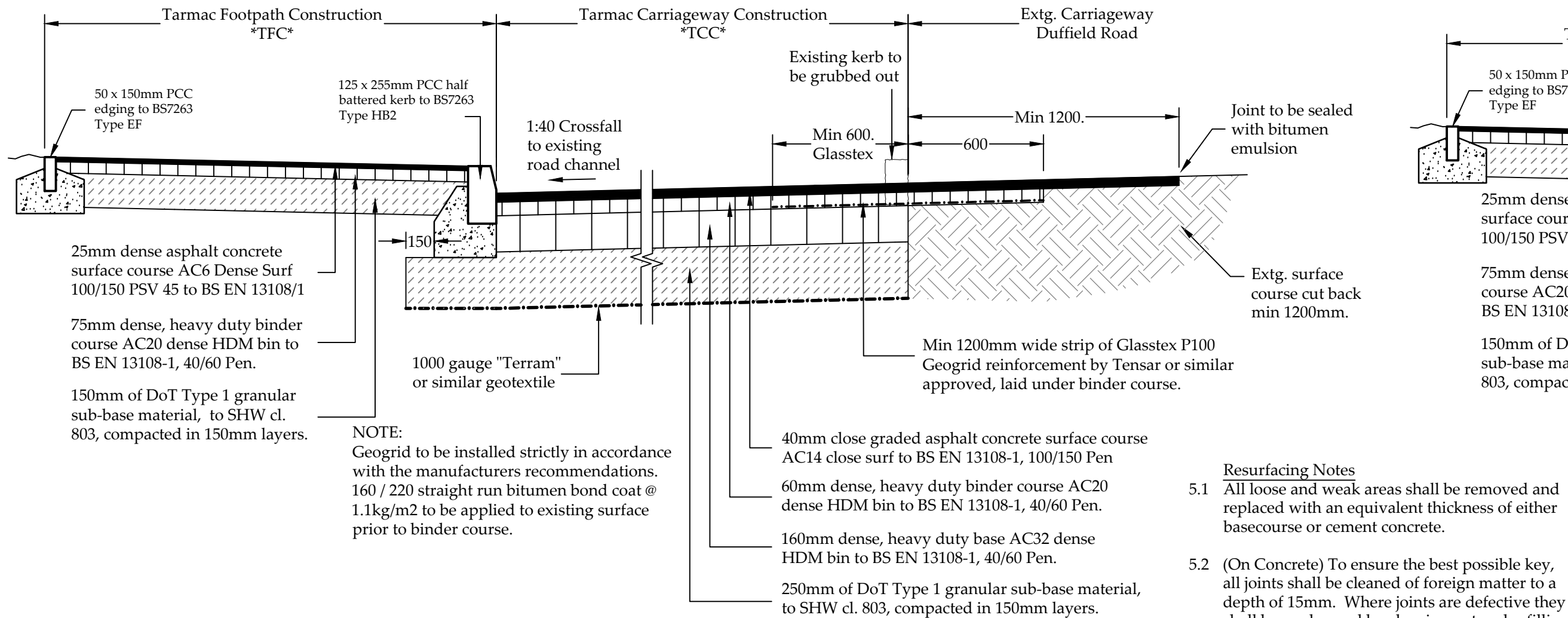
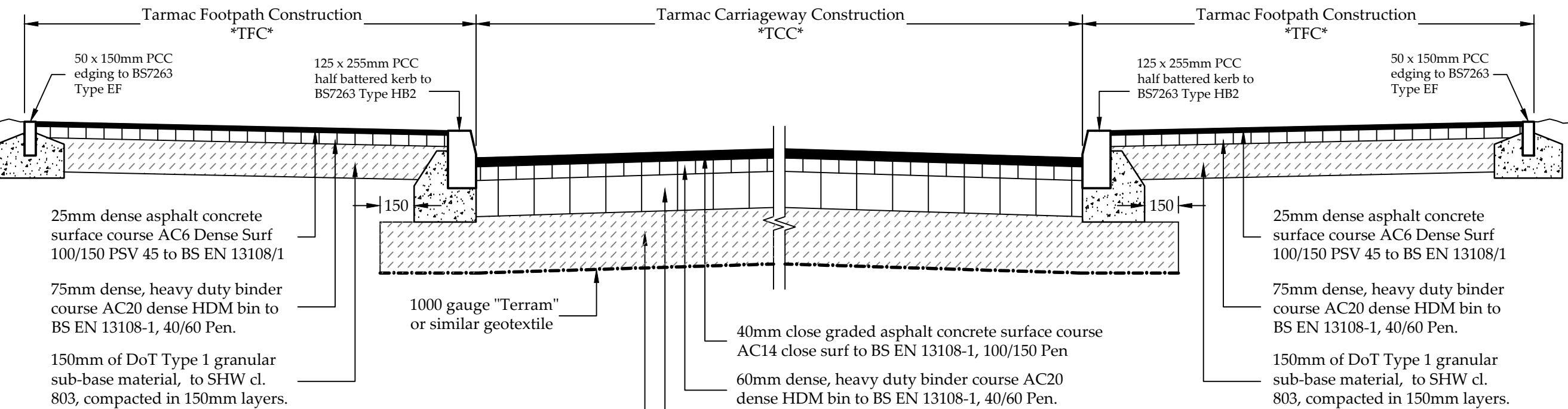




Carriageway Construction
Typical Section A-A



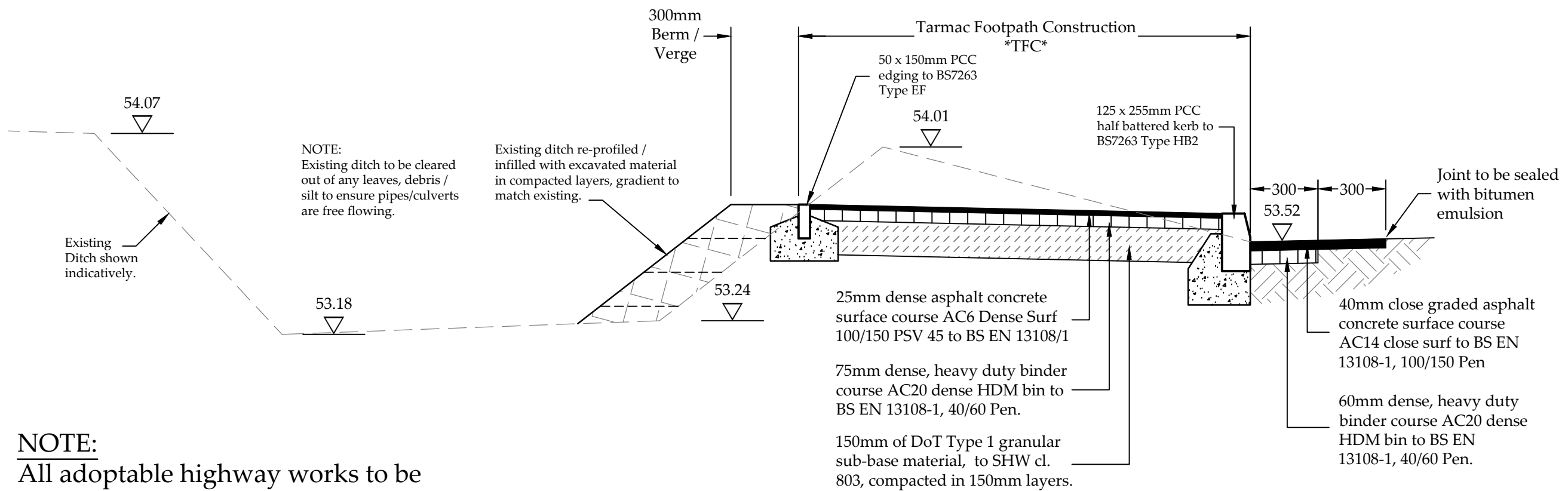
Footway Construction
Typical Section B-B

- Resurfacing Notes
- All loose and weak areas shall be removed and replaced with an equivalent thickness of either basecourse or cement concrete.
 - (On Concrete) To ensure the best possible key, all joints shall be cleaned of foreign matter to a depth of 15mm. Where joints are defective they shall be made good by cleaning out and refilling with a joint-filling material compacted flush with the surface.
 - A tack coat of bitumen emulsion complying with either class A1-40 or K1-40 of BS 434 Pt 1 :1984 shall be applied.

Adoptable Sub-base thickness	
Average CBR of Formation	Local Distributor Road
5%	200mm
4%	250mm
3%	320mm
2.5%	370mm
2%	430mm

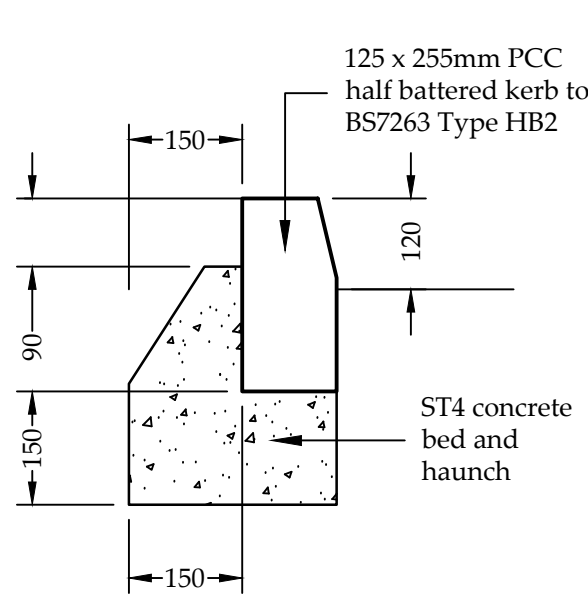
NOTE:
Highway design based on 4% CBR. CBR testing shall be conducted to confirmed CBR values.

Tarmac Carriageway Construction
Typical Section - New Access Road
TCC Section C-C

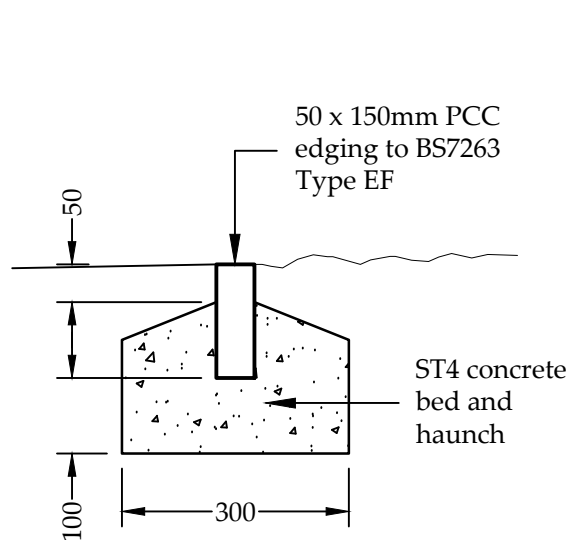


NOTE:
All adoptable highway works to be in accordance with the Wokingham Borough Council Specification and to the highway engineers.

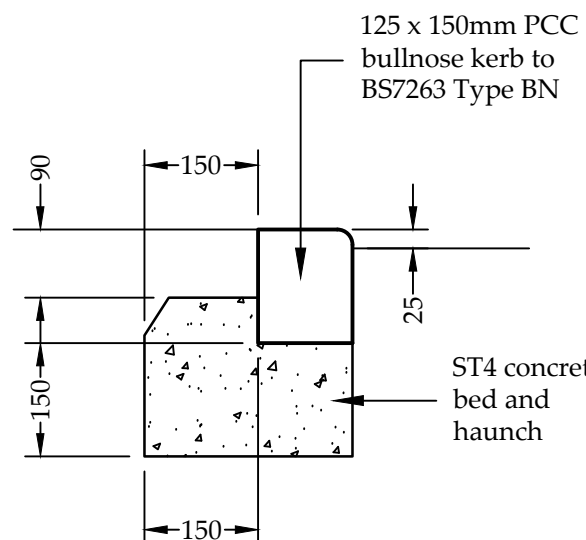
Footway Construction
Typical Section D-D



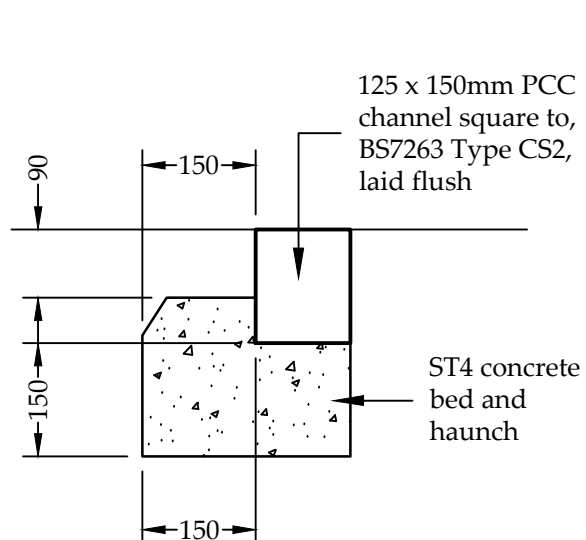
Half Battered Kerb Detail
1:10



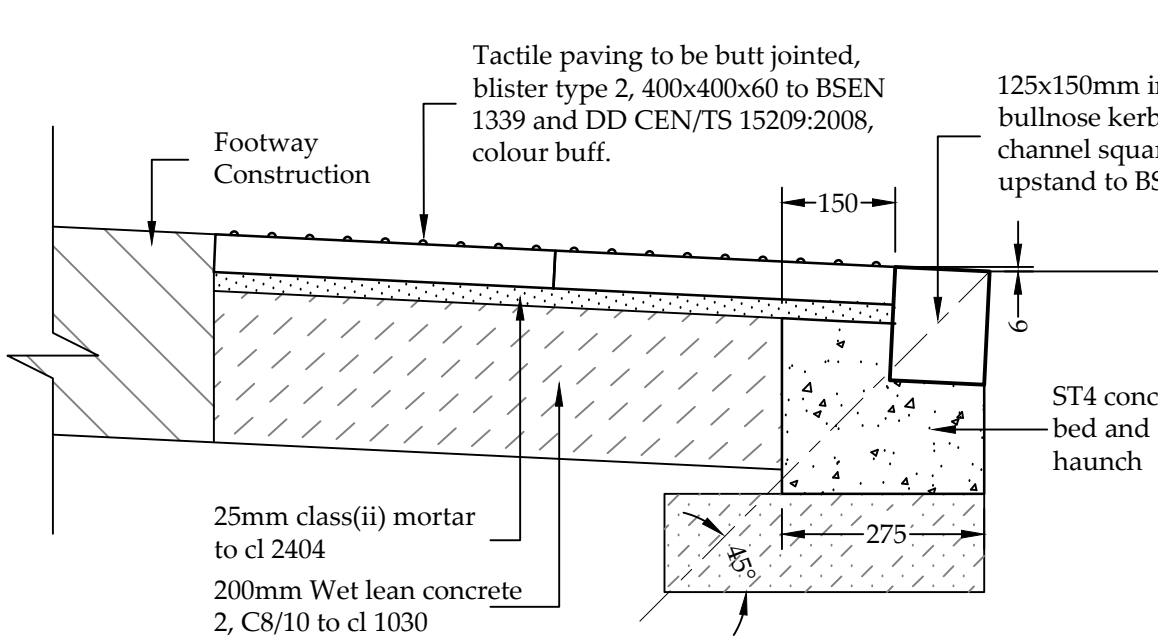
Edging Detail
1:10



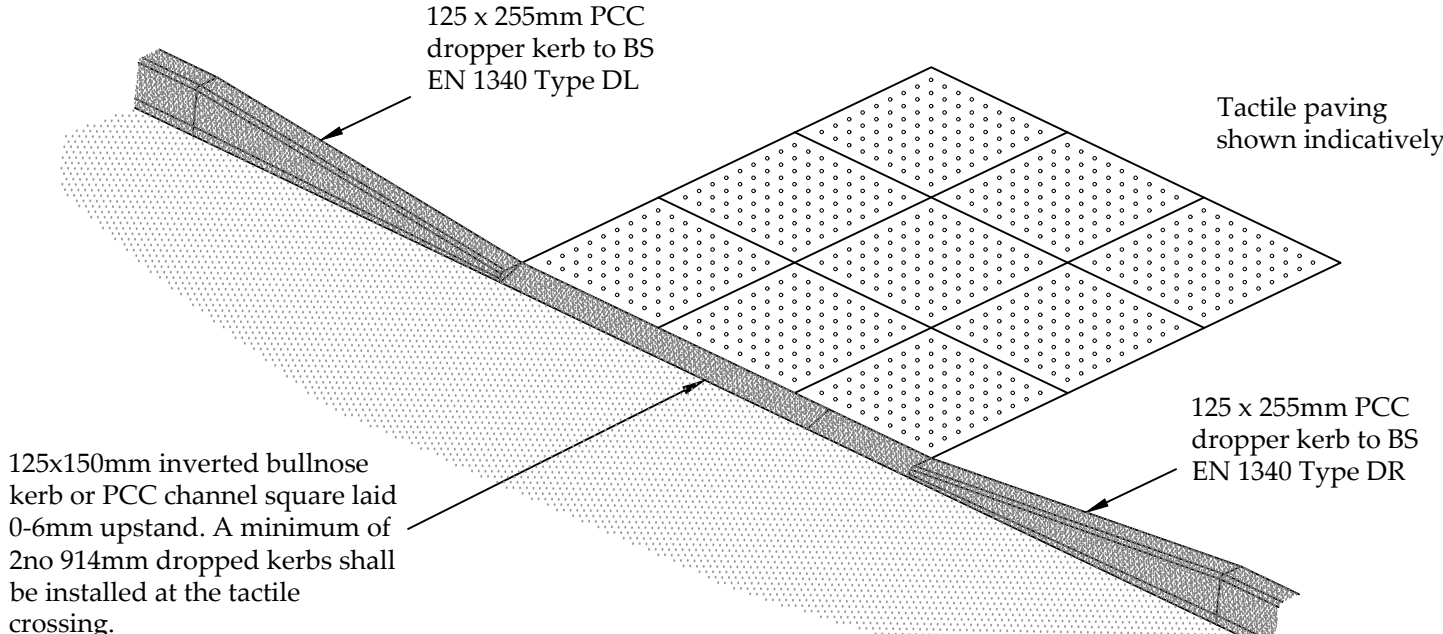
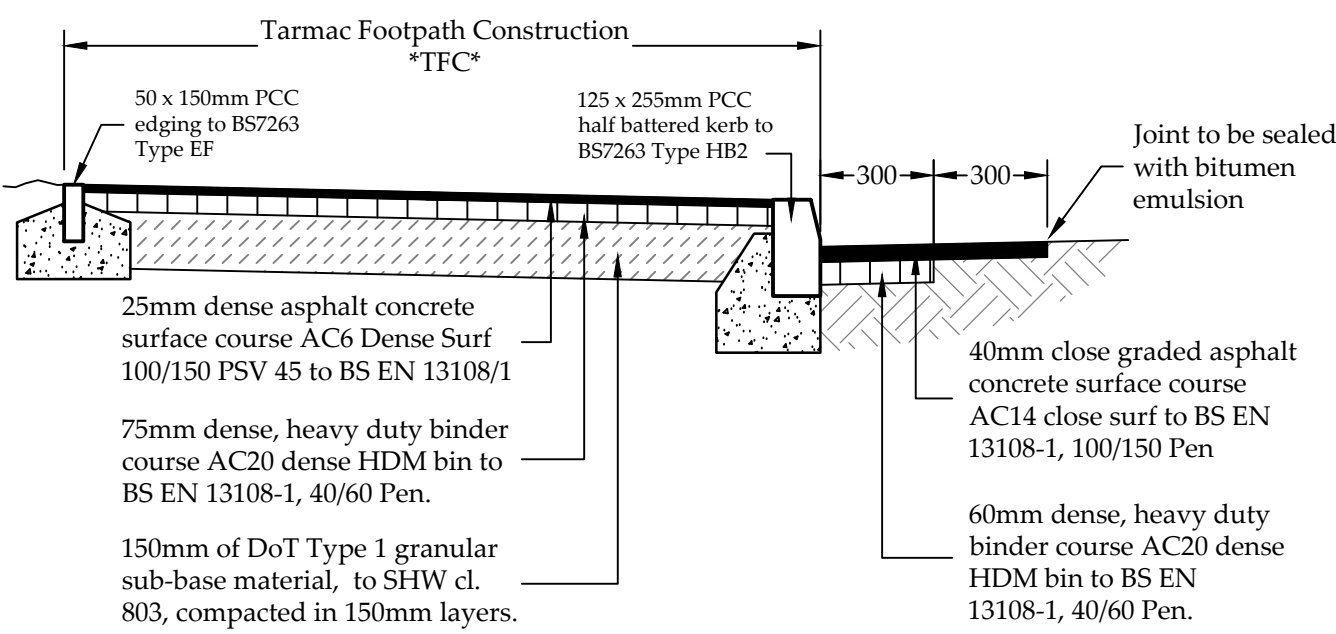
Bullnose Kerb Detail
1:10



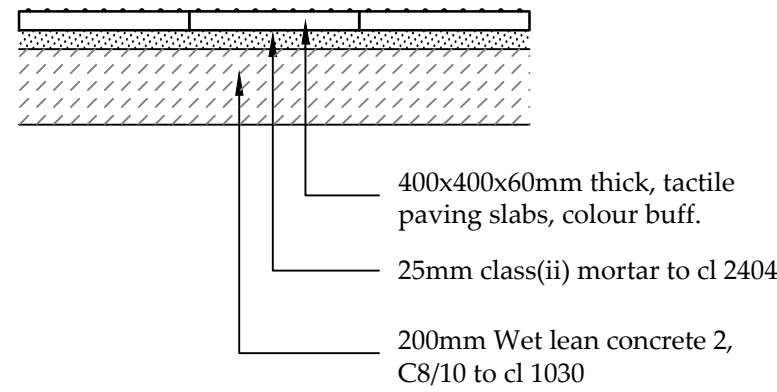
Channel Square Kerb Detail
1:10



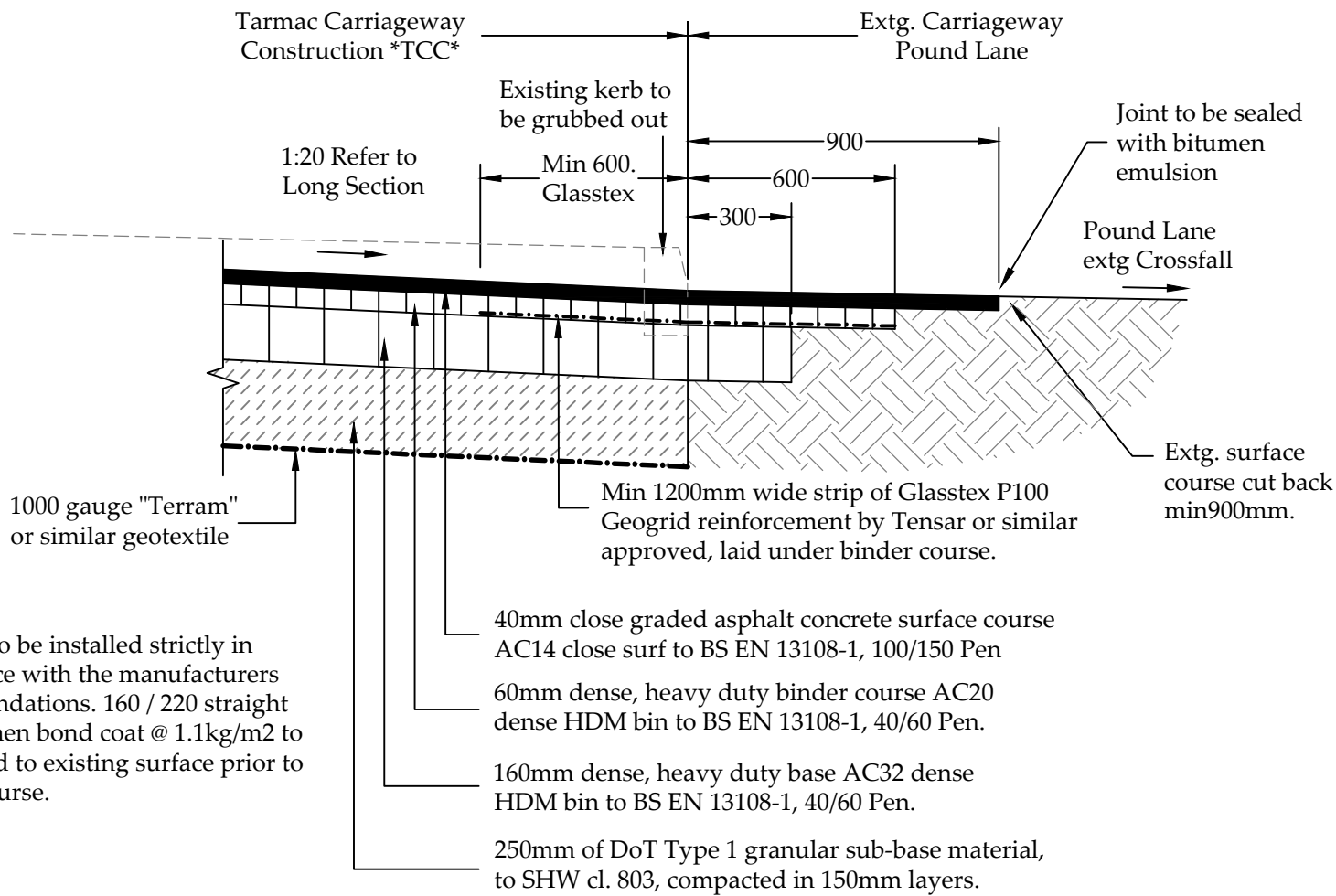
Drop Crossing Detail
1:10



Tactile paving / Dropped Kerb



Tactile Paving Construction
(1:20)



Carriageway Construction
Typical Section E-E

FILL SPECIFICATION

Fill under adoptable carriageway and other vehicularised areas to be to Department of Transport 'Specification for Highway Works Part 1' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4. Subject to the final approval of the adopting Authority.

Fill under landscaped areas to be as raised from site excavations and compaction shall be sufficient to remove large voids and to produce a coherent mass whilst preventing overcompaction and any build up of excess pore pressures.

Notes:

- Do not scale from this drawing.
- All dimensions are in m unless otherwise specified.
- In case of any discrepancies in drawings or details refer to engineer for clarification. Unilateral decisions by the contractor will not be accepted.
- This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
- The Contractor is to ensure that all design drawings and information are read concurrently and any discrepancies or omissions reported directly to Aventus Design.
- The Contractor must check the levels of all existing drainage outfalls prior to construction of any drainage, unless otherwise agreed, to ensure the proposed design may be achieved. Any discrepancies must be reported immediately to Aventus Design.
- Sulphates have been determined as class 1 (DS-x) for design purposes in accordance with BRE Special Digest 1 (2001). Buried Concrete to be in accordance with ACEC Site Class AC-x. Sulphates to be confirmed.
- All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
- All adoptable highway works to be in accordance with the Local Authorities Specifications.
- All adoptable drainage works to be in accordance with the Water Authorities standard guidelines for connections etc.
- Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.

CDM REGULATIONS 2015

Aventus Design have considered and where reasonably practicable avoided foreseeable risks in the preparation of the design shown on this and related drawings. Significant risks which remain and associated control measures are identified in the Risk Register and should be given particular attention by the main contractor on site.
RISKS RELATING TO THIS DRAWING:
RISK NUMBERS ? & ? on Risk Register
NOTE: The Risk Register records only those elements considered unusual, difficult to manage or outside the anticipated expertise of a competent contractor.

Drawing Status	For Technical Review
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REV.	DATE	DESCRIPTION	CHK	APP
E	20.02.25	Footway binder amended to 75mm.	CU	-
D	05.02.25	Client name and site address updated.	CU	-
C	07.07.22	Client name updated.	CU	-
B	06.05.20	Section E-E updated.	SU	-
A	11.03.20	Section D-D, E-E and gully added, footway spec, pram crossing, tactile paving & kerb haunch amended.	SU	-

Aventus Design Ltd Unit 5 - Leaches Farm Business Centre Bicester Road Kingswood Aylesbury Bucks HP18 0RF Tel: 01296 770066	Civil & Structural Engineers Email: mail@aventusdesign.co.uk Web: www.aventusdesign.co.uk
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Client: Darcliffe Homes

Site: Land Adj. Golf Club,
Pound Lane,
Sonning. RG4 6GG

Title: S278 Construction Details 1 of 2

Drawing no. H1342 - 415

Issue:	Scale:	1:10/20 @ A1	Checked:	-	Date:	-
E	Drn:	S.U.	Date:	Jan '20	Approve:	-

ORIGINAL SIZE - A1
150mm
100mm
50mm
250mm
250mm