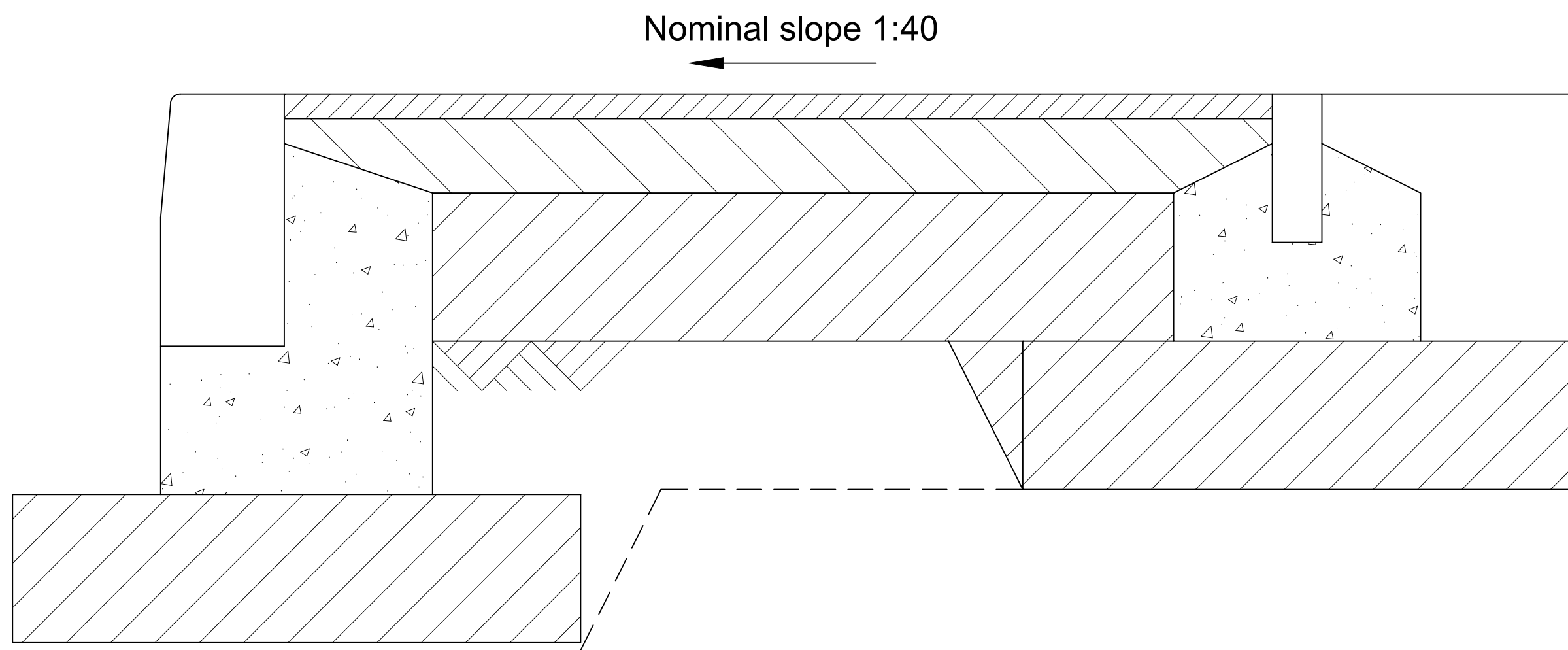
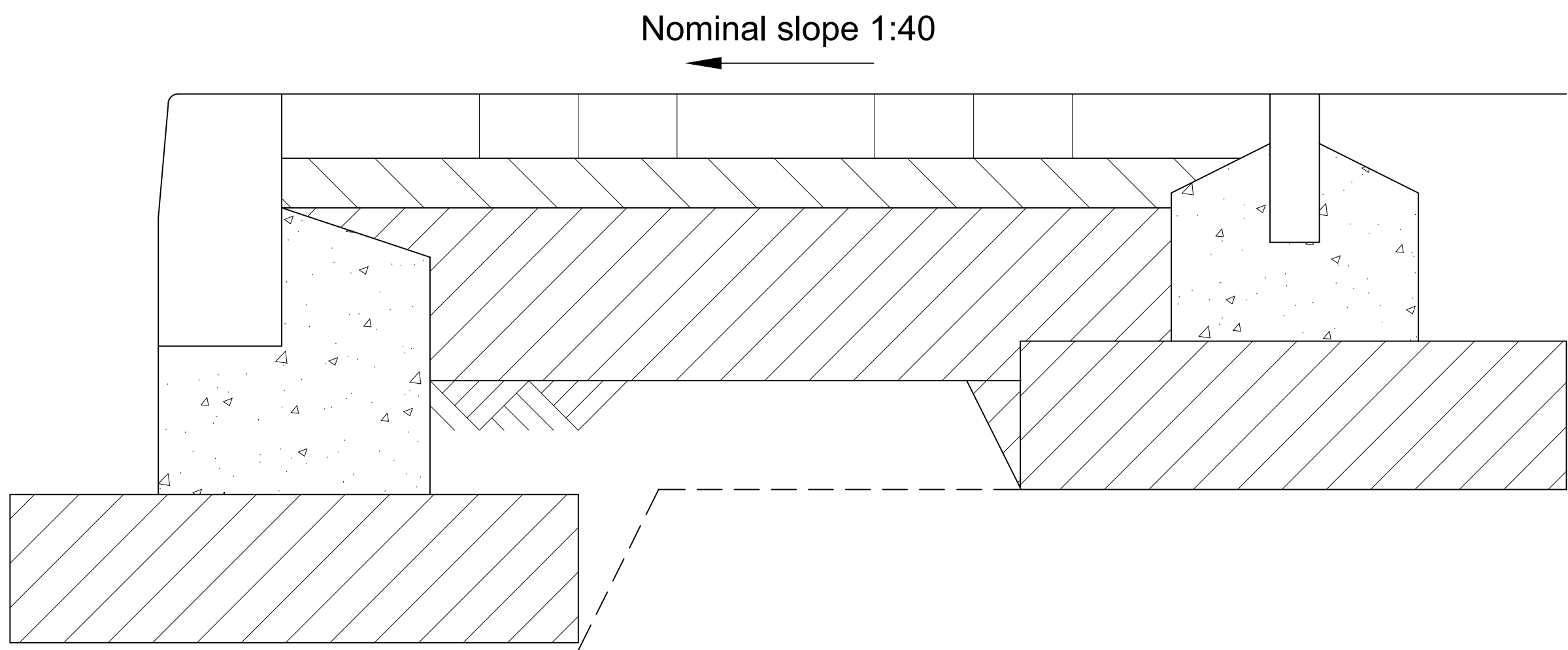


File name: P:\PROJECTS\MUNICIPAL INFRASTRUCTURE - ARBORFIELD GARRISON SD\DRAWINGS\CURRENT DRAWINGS\DISTRICT CENTRE SPINE ROAD SECTION 360312043.CVD\DC-1064.PAX - DC HIGHWAY CONSTRUCTION DETAILS - SHEET 1-5.DWG Last saved by: RYAN ABELL Last Printed: 2024-12-05 ISO A0 841mm x 1189mm Project Management Initials: Designer: Checked: Approved: 1:189mm



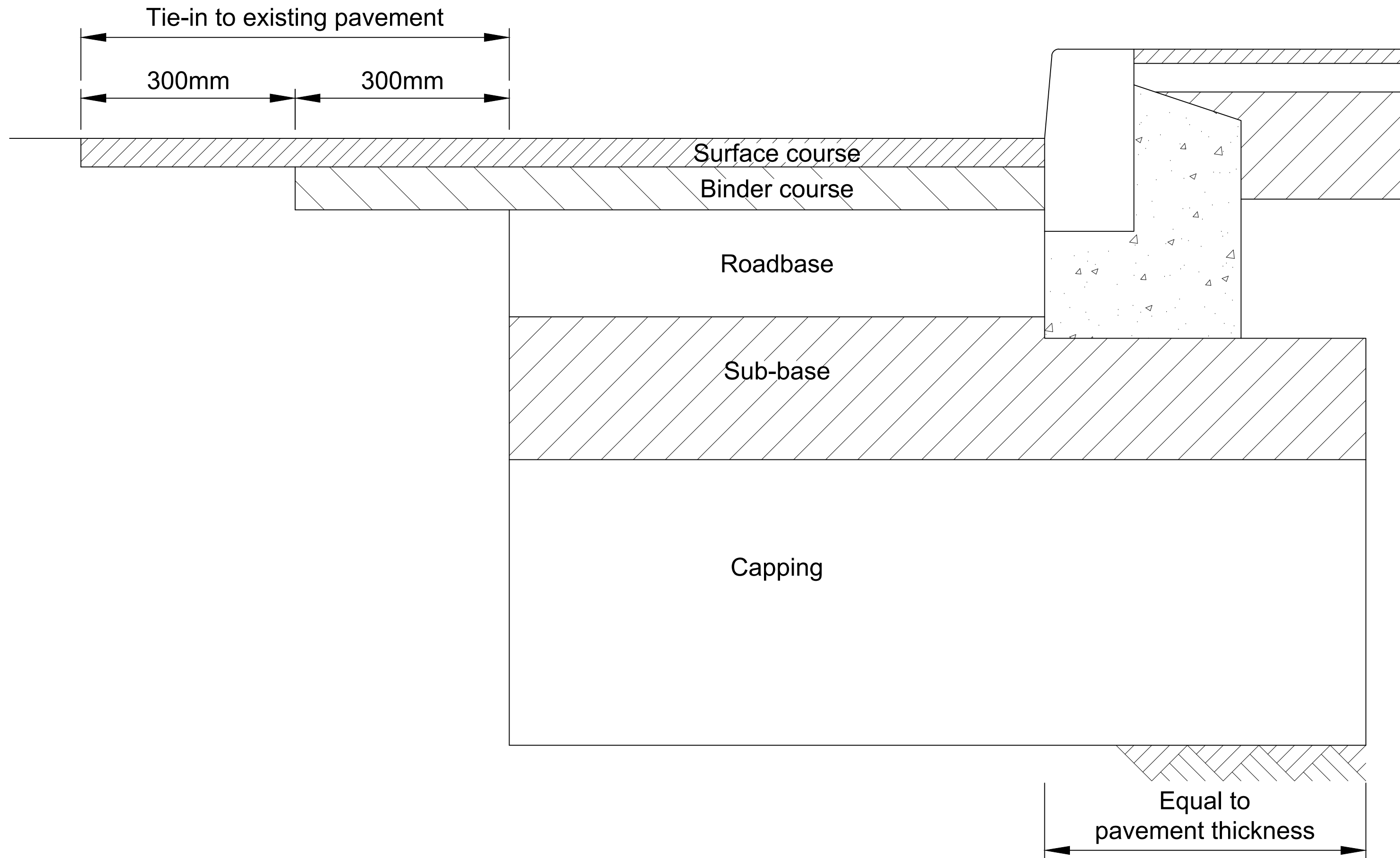
Footpath & Cycleway Construction (Including vehicle crossover) - Bituminous Construction (Blacktop)

Surface course	25mm	Close graded surface course to BS EN 13108:part 1, AC6 PEN 100/150
Binder course	75mm	Close graded binder course to BS EN 13108:part 1, AC20 PEN 40/60
Sub-base	150mm	DFT type 1



Footpath & Cycleway Construction (Including vehicle crossover) - Block Paving

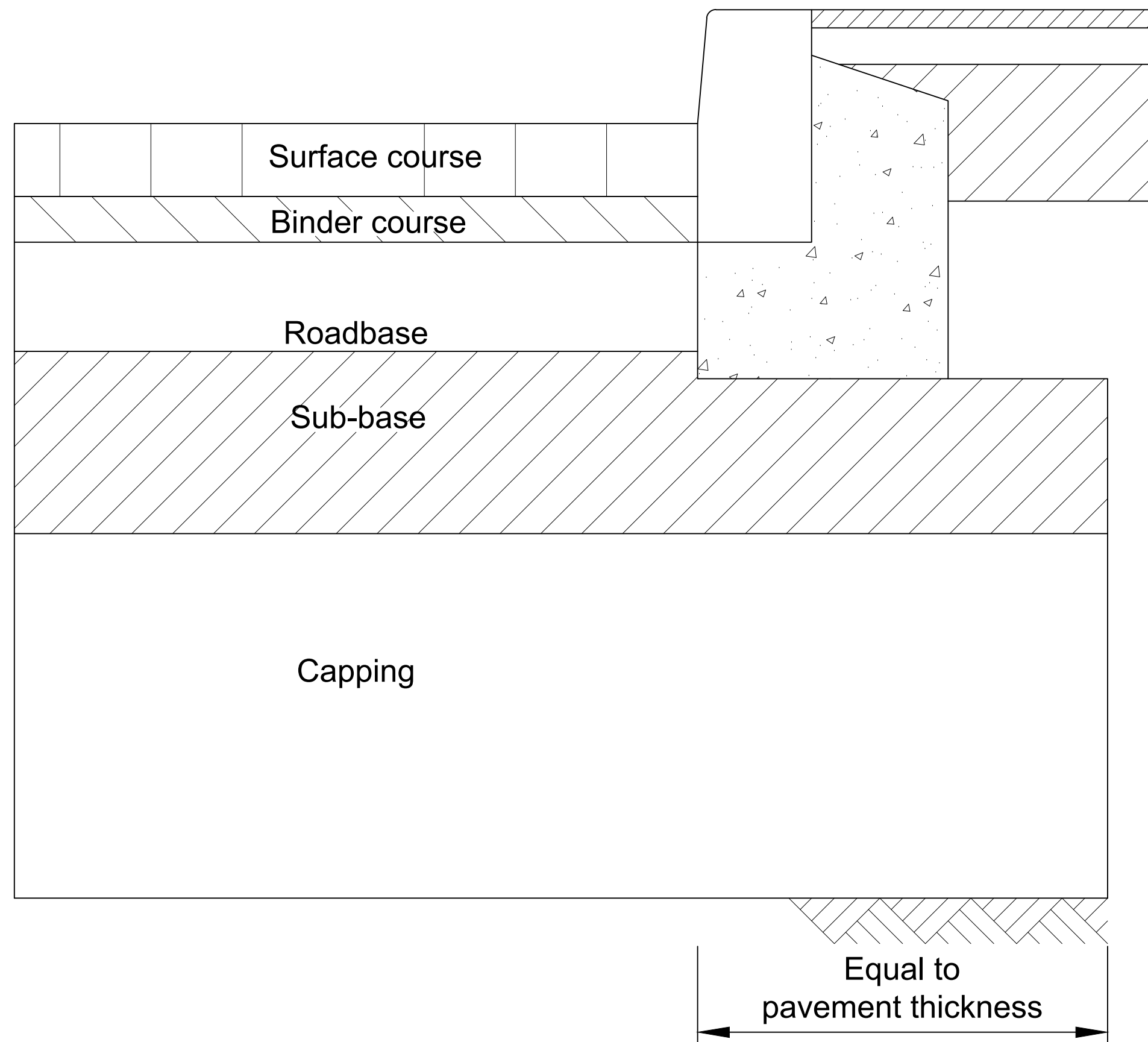
Surface course	65mm	Precast concrete block pavior arranged in Herringbone pattern to Landscape Architect design, to be agreed in writing with WBC prior to construction
Binder course	50mm	Coarse sharp sand, to be treated with approved active pre and post emergence residual week killer
Sub-base	150mm	DFT type 1



Access Road Construction (Including heavy duty vehicle crossover) - Blacktop

Surface course	40mm	Close graded asphalt concrete to BS EN 13108:Part 1, AC10 surf 40/60, min PSV 60, max AAV 14
Binder course	60mm	Close graded binder course to BS EN 13108:Part 1, AC20 bin 40/60
Roadbase	150mm	Close graded base to BS EN 13108:Part 1, AC32 base 40/60
Sub-base	240mm	DFT Type 1 granular material to Specification for Highway Works, Clause 803
Capping	210mm	Class 6F1 or 6F2 granular material to Specification for Highway Works, Series 600, Table 6/1

- Notes:
- Road construction based on a CBR of 5%.
 - In-situ CBR values to be confirmed by testing at formation level at 20-30m intervals prior to works. If lower CBR values are obtain, road construction specification must be amended in accordance with WBC Construction Details (WBC_HD_01). Where higher values are determined, road construction to remain as shown.
 - Materials within minimum 450mm depth below finished road surface to be non-frost susceptible.



Access Road Construction - Block Paving

Surface course	80mm	Precast concrete block pavior laid in herringbone pattern to Landscape Architect design, to be agreed in writing with WBC prior to construction
Binder course	30-50mm	Coarse sharp sand, to be treated with approved active pre and post emergence residual week killer
Roadbase	150mm	Close graded base to BS EN 13108:Part 1, AC32 base 40/60
Sub-base	240mm	DFT Type 1 granular material to Specification for Highway Works, Clause 803
Capping	210mm	Class 6F1 or 6F2 granular material to Specification for Highway Works, Series 600, Table 6/1

- Notes:
- Road construction based on a CBR of 5%.
 - In-situ CBR values to be confirmed by testing at formation level at 20-30m intervals prior to works. If lower CBR values are obtain, road construction specification must be amended in accordance with WBC Construction Details (WBC_HD_01). Where higher values are determined, road construction to remain as shown.
 - Materials within minimum 450mm depth below finished road surface to be non-frost susceptible.
 - Block pavior units to be sealed with pre-polymer urethane

Not to scale

AECOM

PROJECT

Arborfield Garrison SDL

CLIENT

Crest Nicholson



CONSULTANT

AECOM
Colmore Plaza
Colmore Circus Queensway
Birmingham
B4 6AT
T +44 (0)121 710 1100
F +44 (0)121 710 1399
www.aecom.com

KEY

NOTES

- This drawing is not to be scaled.
- All Highway works to be in accordance with Wokingham Borough Council Design Guide 2019 and Specification, and in general accordance with MCHW Specification for Highway Works and Highway Construction Details.
- Drawing to be read in conjunction with AECOM S38 drawing numbers '60312043-CIV-DC-1000-1140'
- All works within the public highway must comply with current health and safety standards
- Drawing subject to RMA and S38 approval
- Highway drainage will be required to be tested prior to laying of the base course
- Sub-grade CBR to be determined by using CBR test in accordance with BS 1377
- Kerbs to be laid with 125mm upstand. Except where required to tie into existing kerb lines. At vehicle crossings the upstand is to be 25mm maximum. At dropped crossings for pedestrians and cyclists the upstand is to be 5mm maximum.
- Tactile paving units and layouts to be in accordance with 'Guidance for use of tactile paving' (1998) produced by the DETR
- Location of existing services and utilities to be confirmed prior to construction works commencing.
- Speed table to be laid 75mm high kerb to kerb. 75mm height must not be exceeded (DFT TAL 02/96). It is recommended that the contractor adopts a laying specification of 65mm + 10mm / 4mm
- For vehicle crossing and tactile paving layout refer to WBC highway construction details drawing WDS_HD_04
- For inset parking bay layout refer to WBC highways construction details drawing WDS_HD_04
- Sub-base beneath the footing shall be terminated with a fill slope at a slope of 2:1 (height:width) where the sub-base is composed of unbound granular material.
- If kerbs and footings' backing cannot be laid in one operation, then standard details shall be adapted to insert 20mm steel dowels at 450mm centres, minimum 50-80mm cover to all sides

ISSUE/REVISION

Rev	Date	Issue for approval	RA	MWB	CP
		Detail			
		Made	CHK	App	

PROJECT NUMBER

60312043

SHEET TITLE

District Centre
Highway Construction Details
Sheet 5

SHEET NUMBER

60312043/CIV/DC/1064