

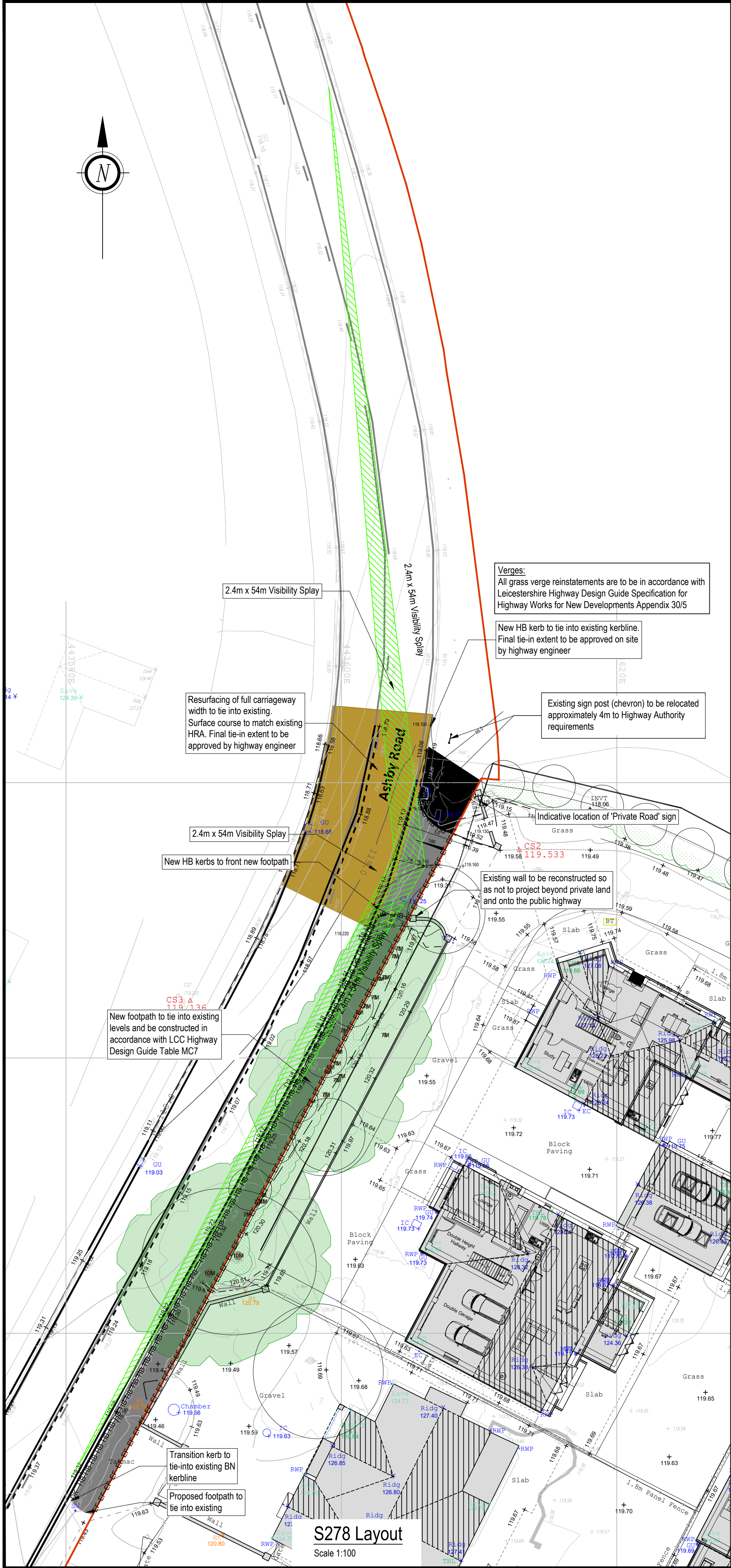


Table MC4: Carriageway sub-base and capping thickness

CBR Value	Min 450mm Frost Susceptibility (see clause 4.64)					
	Access Road (250mm Bituminous layer)		Access Way (200mm Bituminous layer)		Industrial Road (300mm Bituminous layer)	
	Capping	Sub-Base	Capping	Sub-Base	Capping	Sub-Base
Less than 2%	550	200	500	250	600	150
2%	400	200	350	250	450	150
3%	300	200	250	250	350	150
4%	250	200	200	250	300	150
5 to 15%	200	200	200	250	250	150
More than 15%		200		250		150

Table DG15: Private road construction depths

		Road less than 25m long serving 6 to 25 dwellings		Road more than 25m long serving 6 to 25 dwellings	
		Bituminous	Sub-base	Bituminous	Sub-base
Bituminous	Surface course CGM	30mm		30mm	
	Binder course DBM	85mm		60mm	
	Base DBM	-		110mm	
	Sub-base & capping	270mm Type 1 GSB		See Table MC4	

Table MC5: Road carriageway construction depths

	Residential access roads		
	Bituminous	Notes	
Surface Course	40mm SMA 10 surf 40/60 (PSV 55)	1.2	
Binder Course	60mm AC20 dense bin 100/150 rec		
Base	150mm AC32 base 40/60 rec		

Table MC7: Residential footways - construction materials and depths

	Bituminous	
	Surfacing	20mm AC6 dense surf 100/150
Base Course	50mm	AC20 dense bin 160/220 rec
Sub-base	160mm	GSB
	Or 225mm	GSB Vehicular crossings serving 5 or less dwellings

Note:
All works to be undertaken shall be in accordance with the Leicestershire Highways Design Guide, LCC Standard drawings/specifications and to the satisfaction of the LCC Highways Inspector

Note:
In-situ CBR testing is to take place on site to determine the degree of sub base and capping required

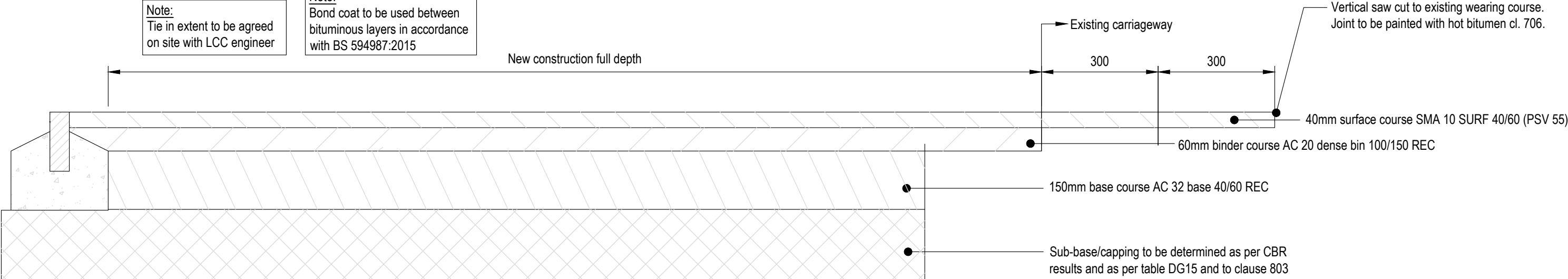
Note:
All grass verge reinstatements are to be in accordance with LCC Highway Design Guide/Specification For Highway Works For New Developments 30/5

Private Road Sign Notes:

- Letters are to be 100mm high raised DT characters with raised border.
- Additional information on the sign is to have a letter height of 50mm.
- Letters and border are to be black on a white background.
- The sign plate is to be made from 11 gauge aluminium sheet.
- Finish on fascia plate to be Class Ref 1 (BS EN 12899-1:2001) reflective.
- The sign mountings are to be manufactured from angle iron with welded mitre joints.
- The legs are to be square in section with base plates and PVC top caps.
- The stands are to be made from 40mm x 40mm x 3mm angle irons to form a frame for the nameplate.
- The legs shall be 50mm x 50mm x 2mm x 1200mm long complete with base plate. Legs shall be lengthened by 150mm for each additional line of text.
- Frame and legs are to be hot dipped galvanised to BS729 after manufacture.
- The mounting height for the nameplate shall be 800mm.
- Foundations shall be ST2 concrete with nominal cover.
- Roads such as cul-de-sacs with no through route for vehicular traffic shall have a Dia. 816.1 sign on the right side of the sign plate.

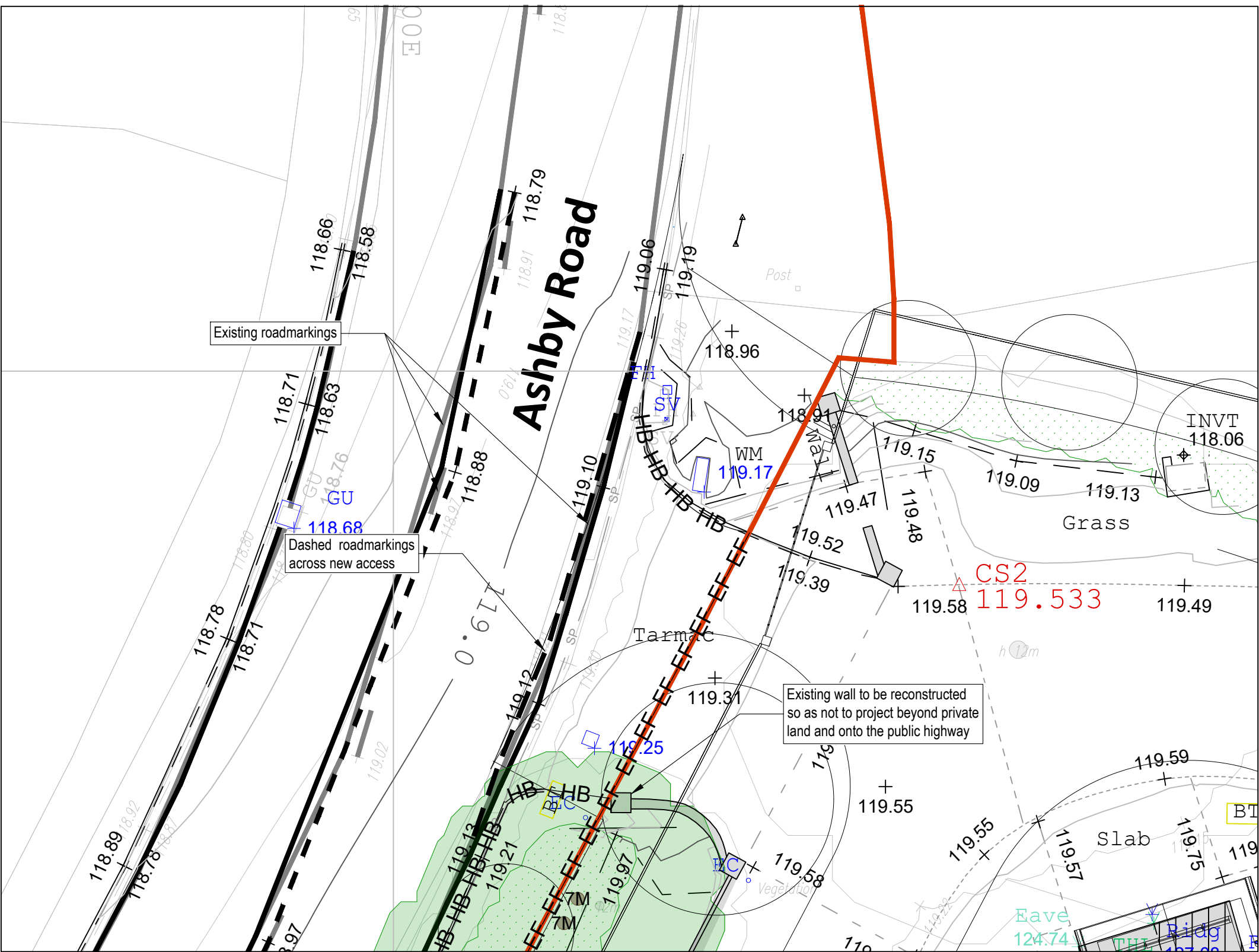
Note:
Tie in extent to be agreed on site with LCC engineer

Note:
Bond coat to be used between bituminous layers in accordance with BS 594987:2015



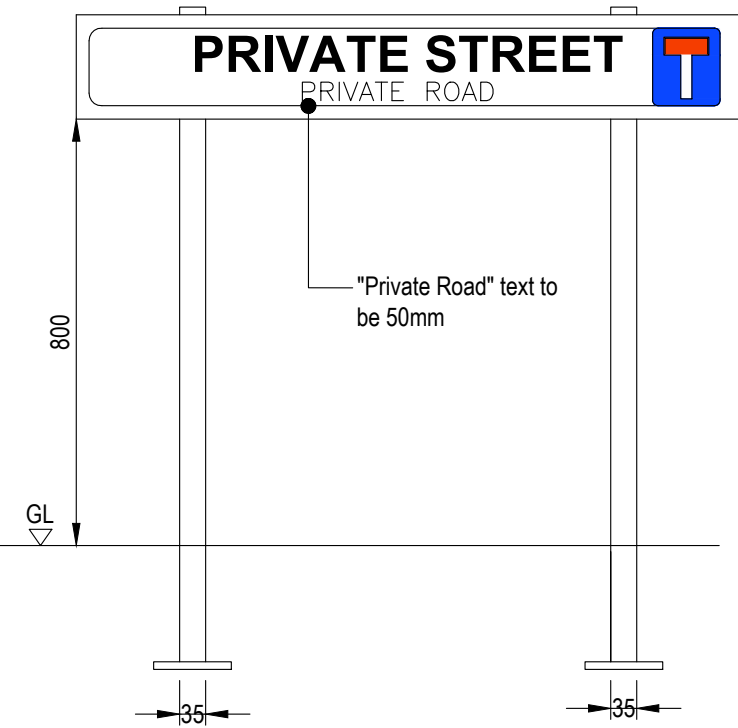
Tie-in to existing carriageway detail

Scale 1:10



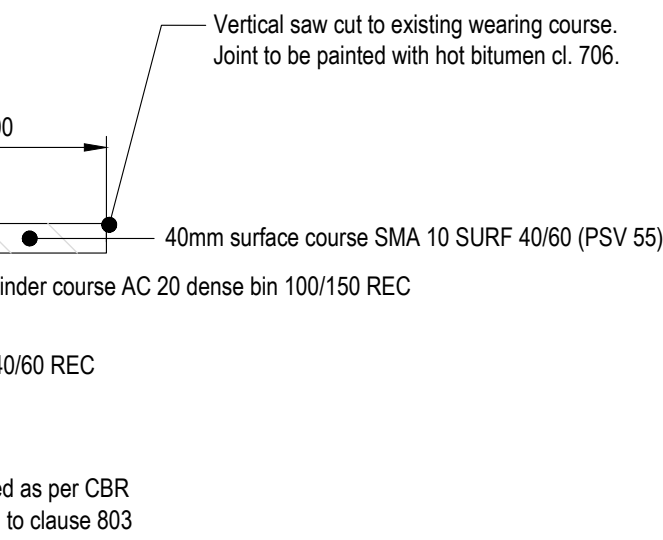
Roadmarkings at New Access

Scale 1:100



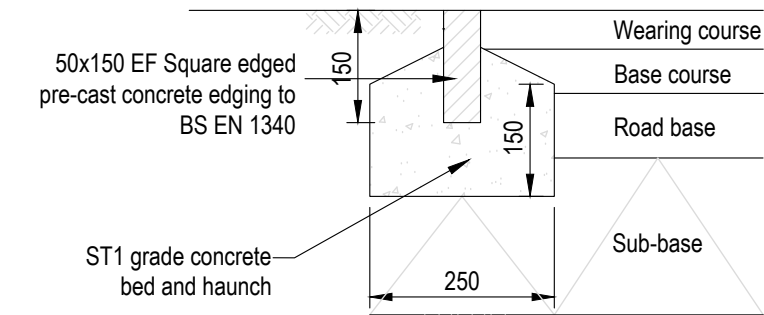
Street Nameplate Specification (TF15)

Scale 1:10



HB2 Kerb (Half Batter)

Scale 1:10



50 x 150 EF Edging Kerb

Scale 1:10

General Notes:

- Do not scale this drawing. All dimensions are in metres unless otherwise noted. Any discrepancies are to be recorded and reported to the engineers immediately.
- This drawing is to be read in conjunction with all other engineers and architects drawings, and the specification.
- All work is to be to the satisfaction of the engineer and local authority building control.
- The contractor is responsible for and must take all necessary precautions to ensure the stability of the works at all times during construction.
- All workmanship and materials are to be to current British Standards.
- All services are to be located and protected as necessary by the contractor prior to the commencement of the works.
- Any existing details which are shown on this drawing are for guidance only and are to be checked on site by the contractor. Any variations are to be recorded and reported to the engineer immediately.
- All highway works are to be in accordance with the local authorities design guide and specification.
- Prior to the occupation of the first dwelling, street nameplates shall be erected in accordance with the highway authority and to the wording agreed with the planning authority.
- During construction works on site, all roads and footpaths are to be swept and kept clear of obstructions, this is to include existing highways as appropriate to ensure safe passage of all road users.
- Provision shall be made for the installation of all mains services including ducting prior to the laying of the road base-course.
- All road markings and signs are to be in accordance with 'the traffic signs regulations and directions' 2016.
- All sewer works are to be in accordance to Design and Construction Guidance (DCG).
- All private connections to adoptable sewers should be a minimum of 100mm diameter (foul) and 150mm diameter (surface) made in vitrified clay connecting soffit to soffit.

Vehicular Access Key

Proposed Level	100.000
Existing Level	100.000
Gradient	1/12
New Full Depth Carriageway Construction	
Proposed Footpath	
Proposed Highway Verge Reinstatement	
Proposed Carriageway Resurfacing	
Highway Extent	
HB Kerbs	HB HB HB HB HB
Transition Kerbs	DK DK DK DK DK
Edging (EF)	EF EF EF EF EF
Existing SP Kerbs	SP

Notes:

- Should the existing kerb line or carriageway become damaged as a result of the works, it shall be required to be reinstated to the satisfaction and as directed by the Leicester County Council engineer
- Should the existing footway become damaged as a result of the works, it shall be required to be reinstated to the satisfaction and as directed by the Leicester County Council engineer
- All works to be undertaken shall be in accordance with the Leicestershire Highways Design Guidance, LCC standard drawings/specifications and to the satisfaction of the LCC highways inspector

Scale
As Shown

P6	Existing wall note added	AH	BN	03.02.2026
P5	Revised to 'As-Built'	DS	DS	14.03.2025
P4	Resurfacing updated	MN	MN	15.10.2024
P3	Updated to include proposed highway's footpath	MN	MN	11.09.2024
P2	Revisions as per Leicestershire County Council	AH	DS	19.07.2024
P1	Preliminary Issue	PG	BN	12.12.2023

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Ashby Road, Stapleton
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Drawing Title
General Arrangement & Construction Details

Project No. CO23/0201/03 Drawing No. 205 Issue P6

PRELIMINARY