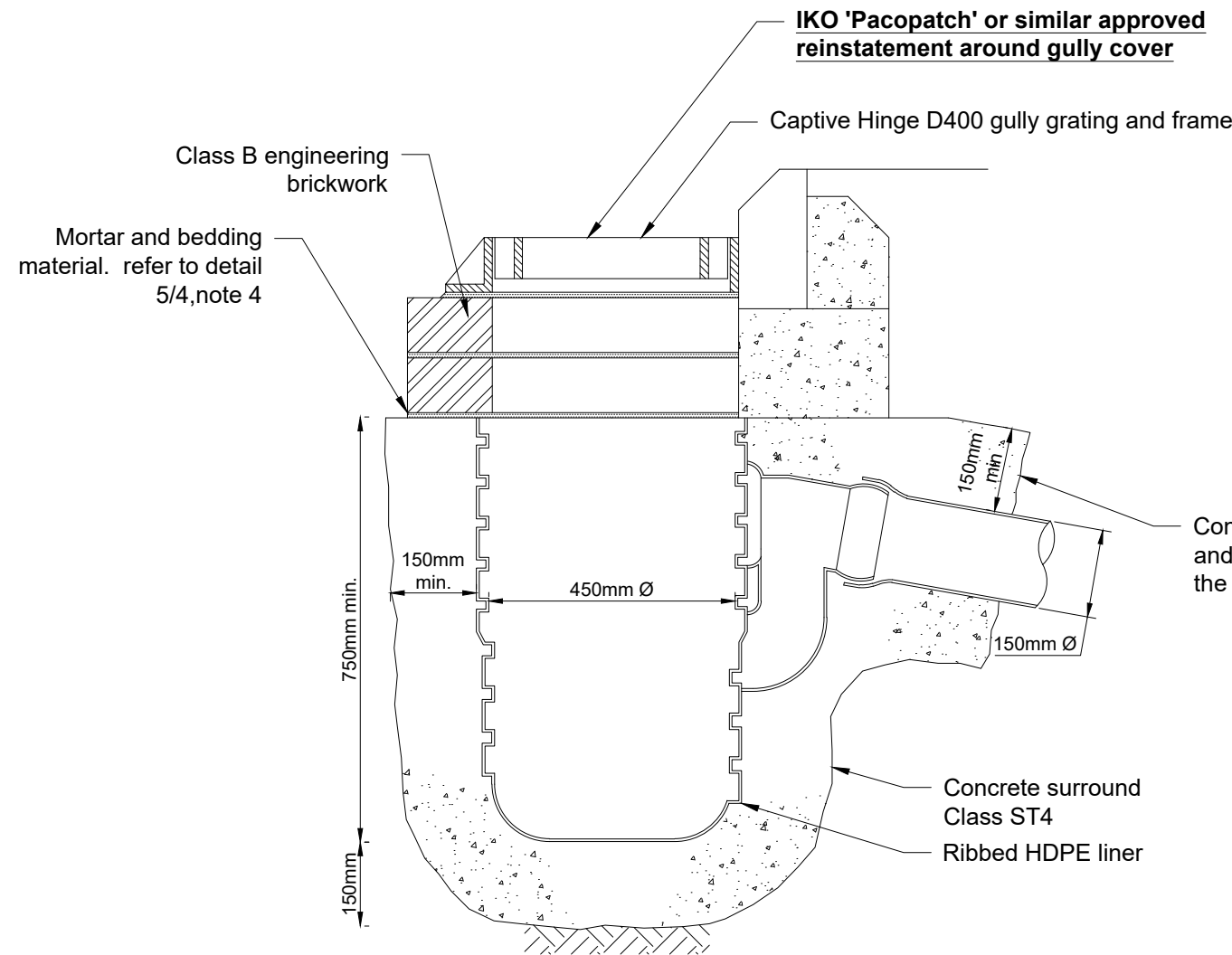
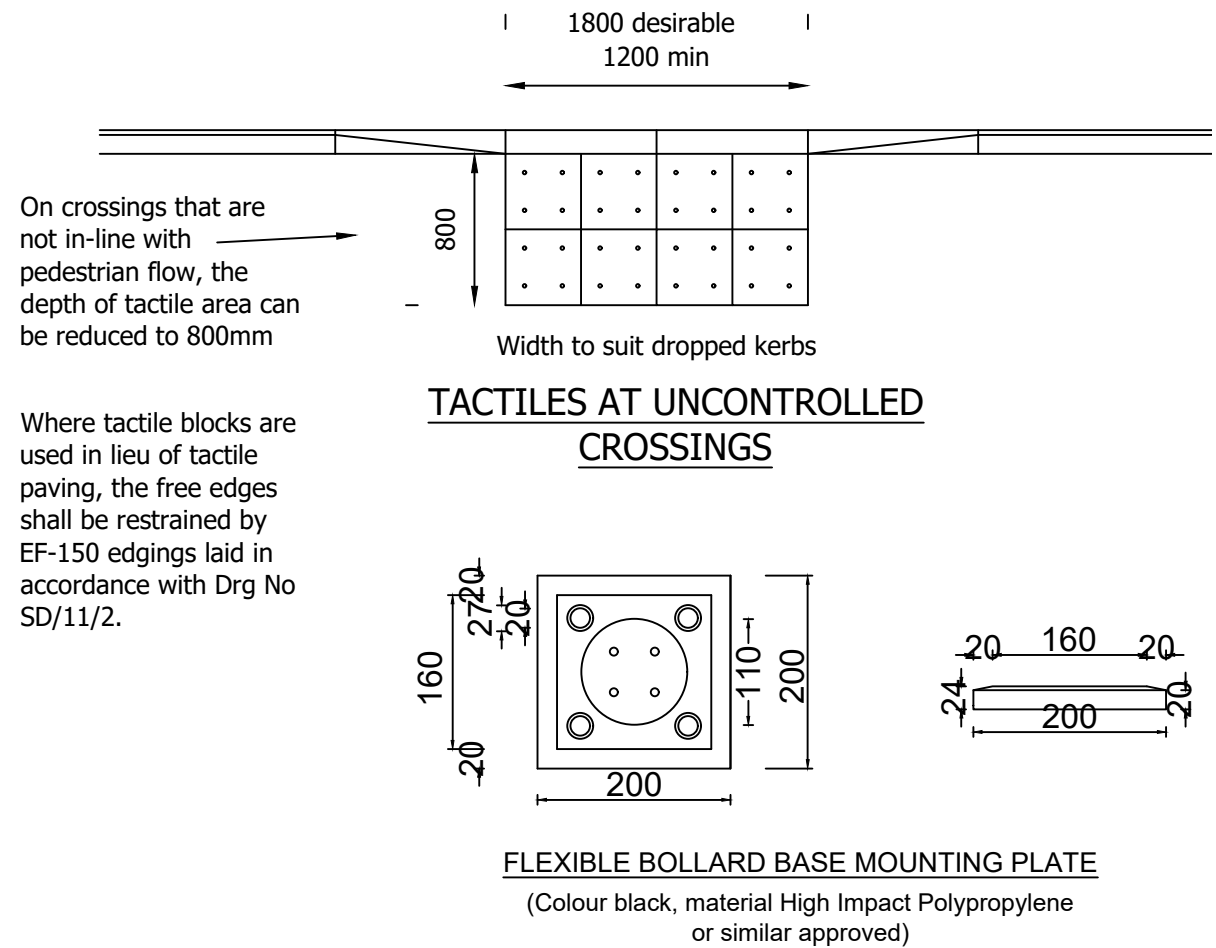


Roads carriageway construction depths

Residential Access Roads				
Bituminous				Notes
Surface course	40mm	SMA 10 surf 40/60 (PSV 55)		
SC2	40mm	HRA 55/10F surf 40/60 des	2	
SC4	40mm	AC10 Close surf 100/150	2	
Binder course	60mm	AC 20 dense bin 100/150 rec		
BC1		(MHA material reference BC2)		
Base	150mm	AC 32 base 40/60 rec		
B1		(MHA material reference B1)		
1 Polished Stone Value (PSV) of course aggregate in surfacing course shall be determined from the Table of investigatory Levels, see DMRB Part 1 HD36/06but should not be less than 55. (http://www.dft.gov.uk/ha/standards/dmrb/vol7/section5/hd3606.pdf)				
2 HRA 50/10 bin 40/60 (material ref REG1) may be used for hand laying speed tables.				

Bond coat (vehicle access):

Bond Coat will be used between bituminous layout. (Reference to bond coats - refer to BS 59487:2015. Specification for transport, laying, compaction and product-type testing protocols.



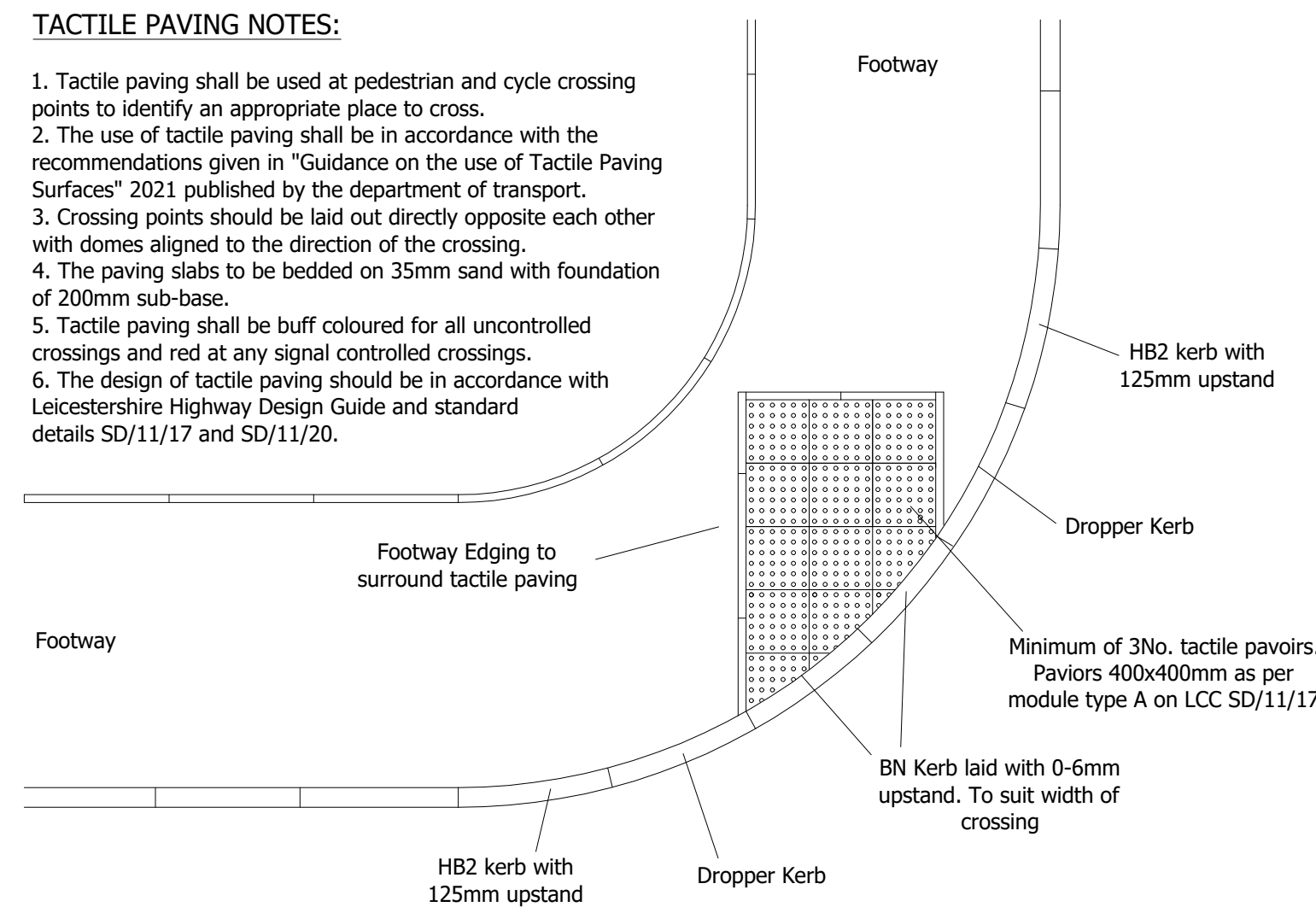
Bituminous			
Surface course	20 mm	AC 6 dense surf 100/150	90 mm
		(MHA material reference SC12)	
Base course	50 mm	AC 20 dense bin 160/220 rec	70 mm
		(MHA material reference BC3)	
Sub-base	160 mm	Granular Type 1	150 mm
		(MHA material reference SB1)	
	or 225 mm	Granular Type 1	
		(MHA material reference SB1)	
		vehicular crossings serving 5 or less dwellings*	

Table MC7: Residential Footways Construction Materials and Depths

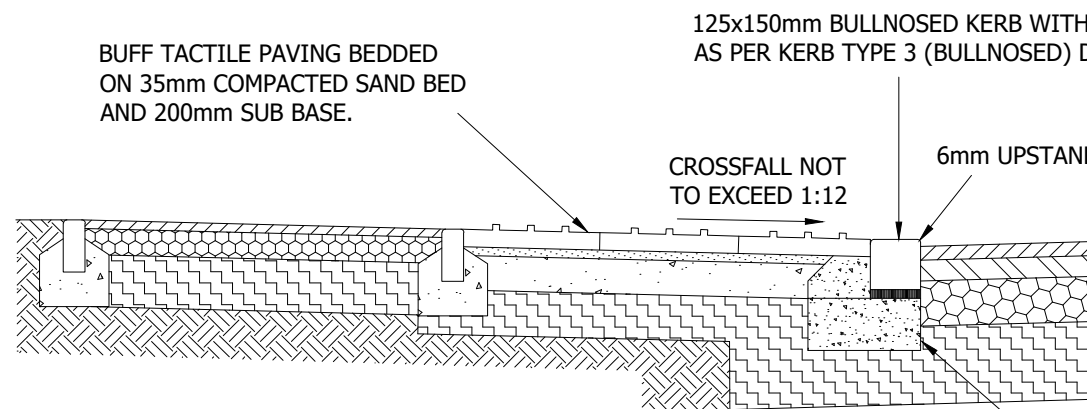
*WHERE VEHICULAR CROSSINGS ARE SERVING MORE THAN 5 DWELLINGS SURFACE COURSE TO BE 25mm THICK, BASE COURSE 90mm THICK AND SUB-BASE 270mm AS PER TABLE MC7a - STRENGTHENING RESIDENTIAL FOOTWAYS, IN THE LCC HIGHWAY DESIGN GUIDE.

Bituminous				Block Paving	
Surface course	25 mm	AC 6 dense surf 100/150	90 mm	60mm blocks on 30mm bedding sand (compacted)	
		(MHA material reference SC12)			
Base course	90 mm	AC20 dense bins 160/220 rec	90 mm	60mm blocks on 30mm bedding sand (compacted)	(MHA material reference)
		(MHA material reference BC3)			
Sub-base	270 mm	Granular Type 1	270 mm	60mm blocks on 30mm	(MHA material reference)
		(MHA material reference SB1)			

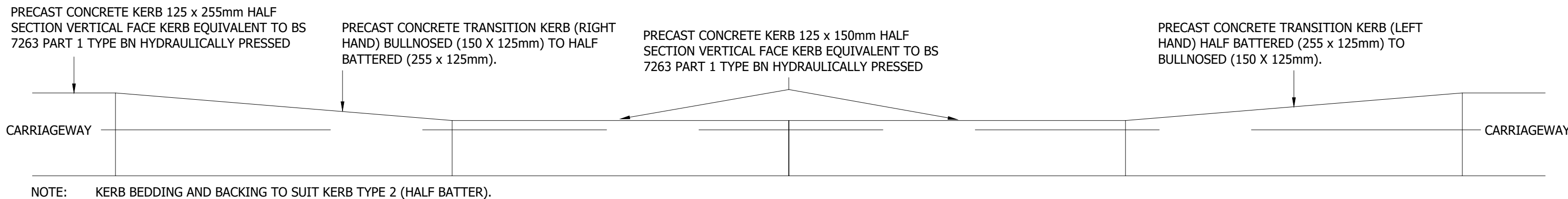
Table MC7a: Strengthening Residential Footways - Construction Materials and Depths



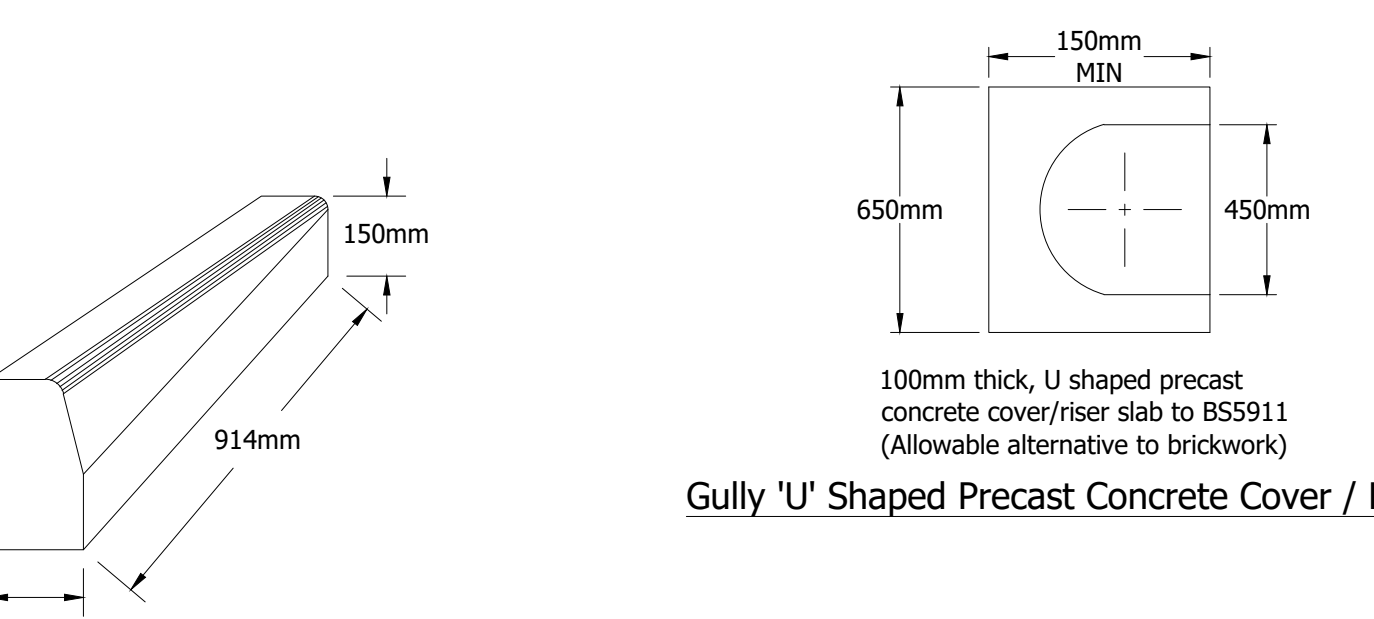
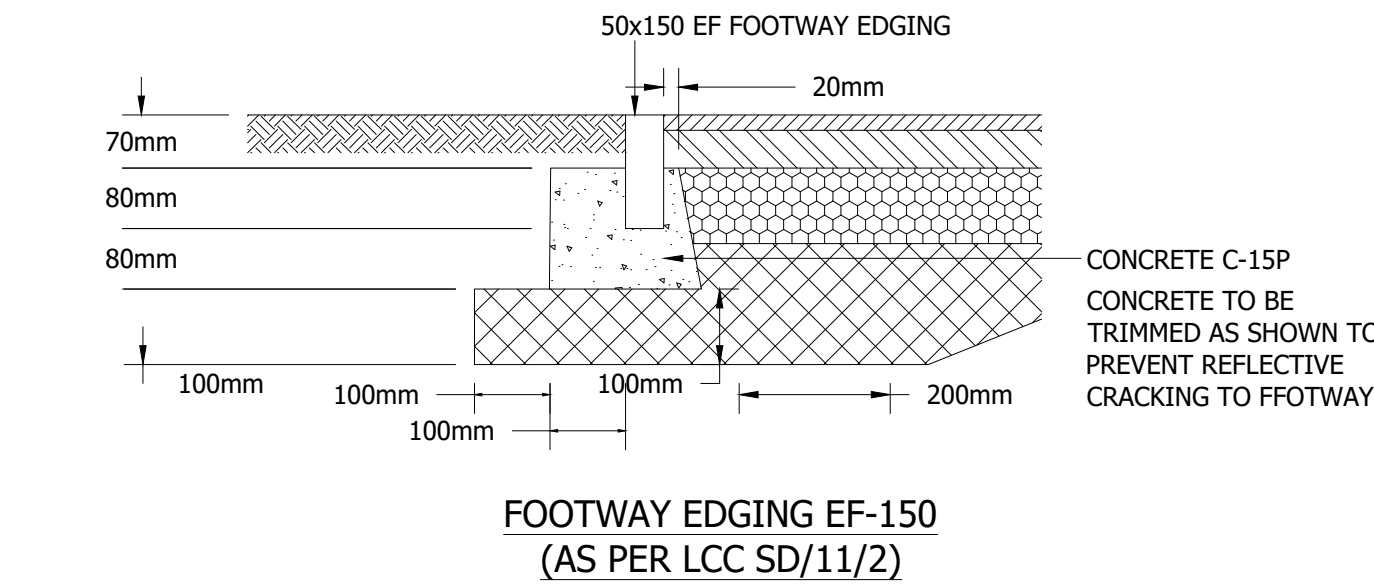
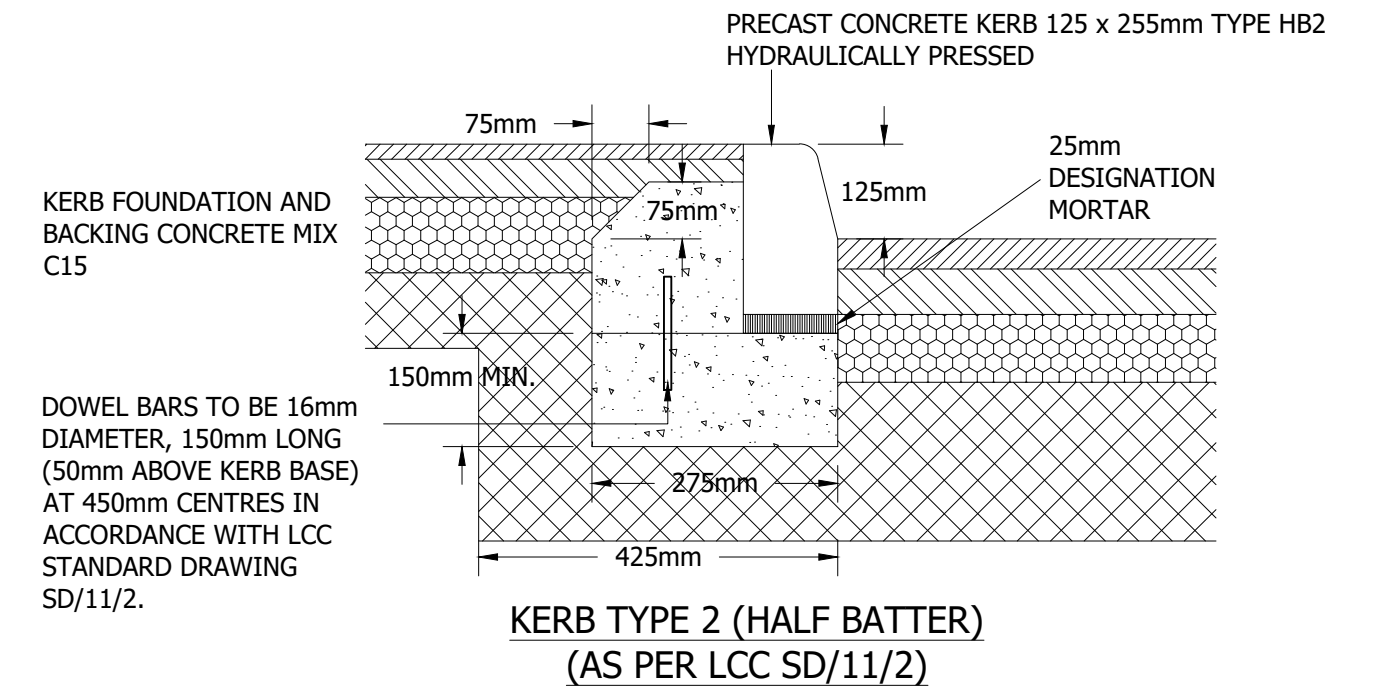
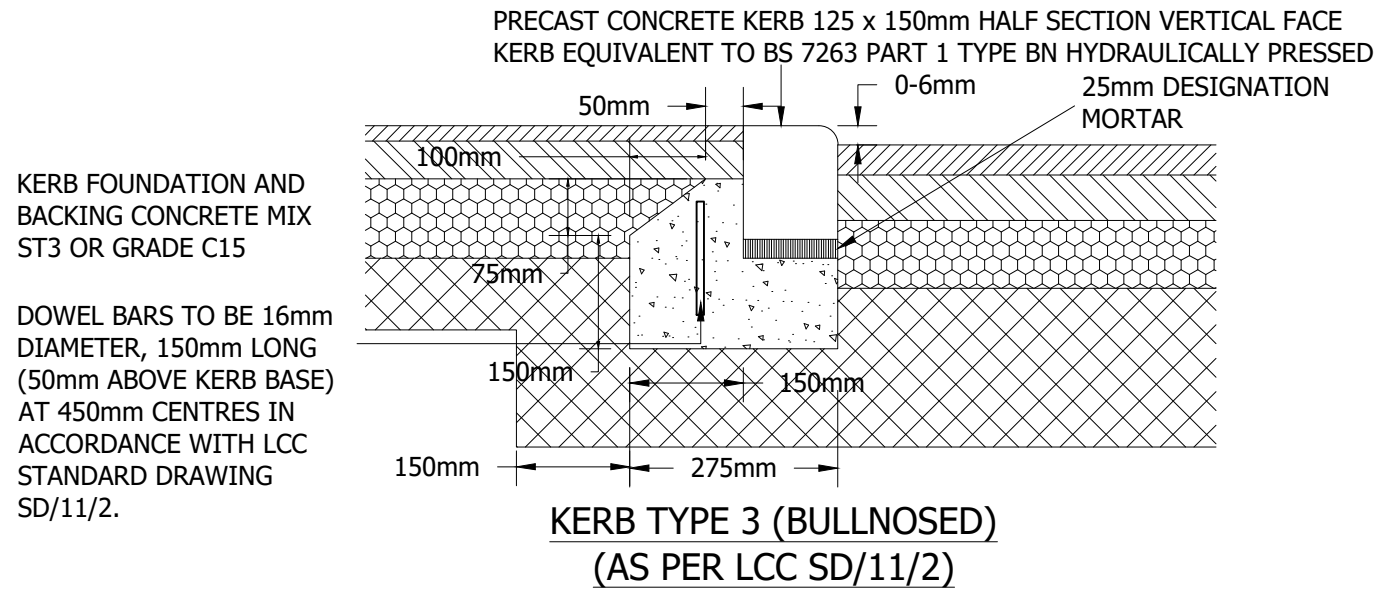
TYPICAL TACTILE PAVING CROSSING LAYOUT (NOT TO SCALE)
TACTILES TO BE IN LINE WITH LCC STANDARD DETAILS SD/11/17A AND SD/11/20



TACTILE PAVING SECTION
IN LINE WITH LCC SD/11/17



DROPPED CROSSING (WITH THE USE OF TRANSITION KERBS) ELEVATION



Gully 'U' Shaped Precast Concrete Cover / Riser

Roads carriageway construction depths

Industrial access roads			
Bituminous			Notes
Surface course	50mm	HRA 35/14F surf 40/60 des (20mm pre-coats)	
Binder course	60mm	AC 20 dense bin 40/60 rec	
	60mm	AC 20 dense bin 40/60 rec	
Base	190mm	AC 32 base 40/60 rec	3
	190mm	AC 32 HDM base 40/60 rec	3
1 Polished Stone Value (PSV) of course aggregate in surfacing course shall be determined from the Table of investigatory Levels, see DMRB Part 1 HD36/06but should not be less than 55. (http://www.dft.gov.uk/ha/standards/dmrb/vol7/section5/hd3606.pdf)			
3 Subgrade assessment capping layer/sub base design are covered in Section MC10 paras 4.65-4.7			

Table MC8: Footways and paved areas on industrial access roads

Bituminous			
Surface course	40mm	HRA 55/100 F surf 100/150 des	
Base course	90mm	AC 20 dense bin 160/220 rec	
Sub-base	270mm	GSB	

*THE SUB-BASE IS TO BE INCREASED TO 365mm FOR CBRs OF 2% OR LESS

Table 36: Carriageway sub-base and capping thickness(a)

CBR VALUE.	Min 450mm Frost Susceptibility					
	Residential Access Road		Shared Surface Access Way		Industrial Road	
	(250mm Bituminous layer)	(200mm Bituminous layer)	(200mm Bituminous layer)	(200mm Bituminous layer)	(300mm Bituminous layer)	(300mm Bituminous layer)
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
5-15%	200	200	200	250	250	150
More than 15%		200		250		150

KERBING NOTES (ALL KERBS IN LINE WITH LCC STANDARD DRAWINGS SD/11/1 AND SD/11/2)

- KERB FOUNDATIONS FOR TYPES 1-3 SHALL BE NOT LESS THAN 150mm THICK AND SHOULD BE SEATED ON OR IN THE SUB BASE; THIS DEPENDING ON PAVEMENT CONSTRUCTION THICKNESS ADOPTED.
- ALL KERBS SHALL BE LAID ON A 25mm BED OF MORTAR DESIGNATION (i). REFER TO CLAUSE 6.15 IF THE SPECIFICATION.
- ADEQUATE BOND SHALL BE PROVIDED BETWEEN FOUNDATION AND HAUNCH. PREFERRED METHOD OF BONDING TO BE BY MEANS OF STEEL REINFORCEMENT HOOPS AT 900mm CENTRES OR ANY OTHER METHOD TO BE APPROVED BY THE ENGINEER.
- PRAM CROSSINGS SHALL BE AS VEHICULAR ACCESSES, BUT WITH NORMAL FOOTWAY CONSTRUCTION AND WITH 2 DROPPED KERBS.
- THE VERTICAL JOINT CREATED BY ROTATING THE DROPPER KERB SHALL BE FILLED WITH CLASS 1 MORTAR.
- KERB BACKING NORMALLY BROUGHT UP TO 50mm BELOW TOP OF KERB, BUT WHERE FINAL SURFACE OF FOOTWAYS IS SLAB PAVING, KERB BACKING SHALL FINISH 75mm BELOW TOP OF KERB.
- FOR BLOCK PAVED FOOTWAYS THE DETAIL RELEVANT FOR A KERB TYPE TO BE AGREED WITH THE ENGINEER.
- FOR RADIUS WORKS KERBS SHALL BE AS FOLLOWS:
 - RADIUS 12m OR LESS - KERBS MANUFACTURED TO AN APPROPRIATE RADIUS;
 - RADIUS 12m TO 45m - STRAIGHT KERBS OF A LENGTH OF 610mm;
 - RADIUS 45m OR GREATER - STRAIGHT KERBS OF STANDARD LENGTH.

REV	DESCRIPTION	DATE	BY	AUTH

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CLIENT
PERSIMMON HOMES

PROJECT
BRASCOTE LANE, NEWBOLD

TITLE
S278/S184 CONSTRUCTION DETAILS

DRAWN CN	AUTHORISED TW	SCALE AS SHOWN-@A1	DATE 23.09.24
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PROJECT NO. 23042	DRAWING NO. 500	REV -
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STATUS.
PRELIMINARY