

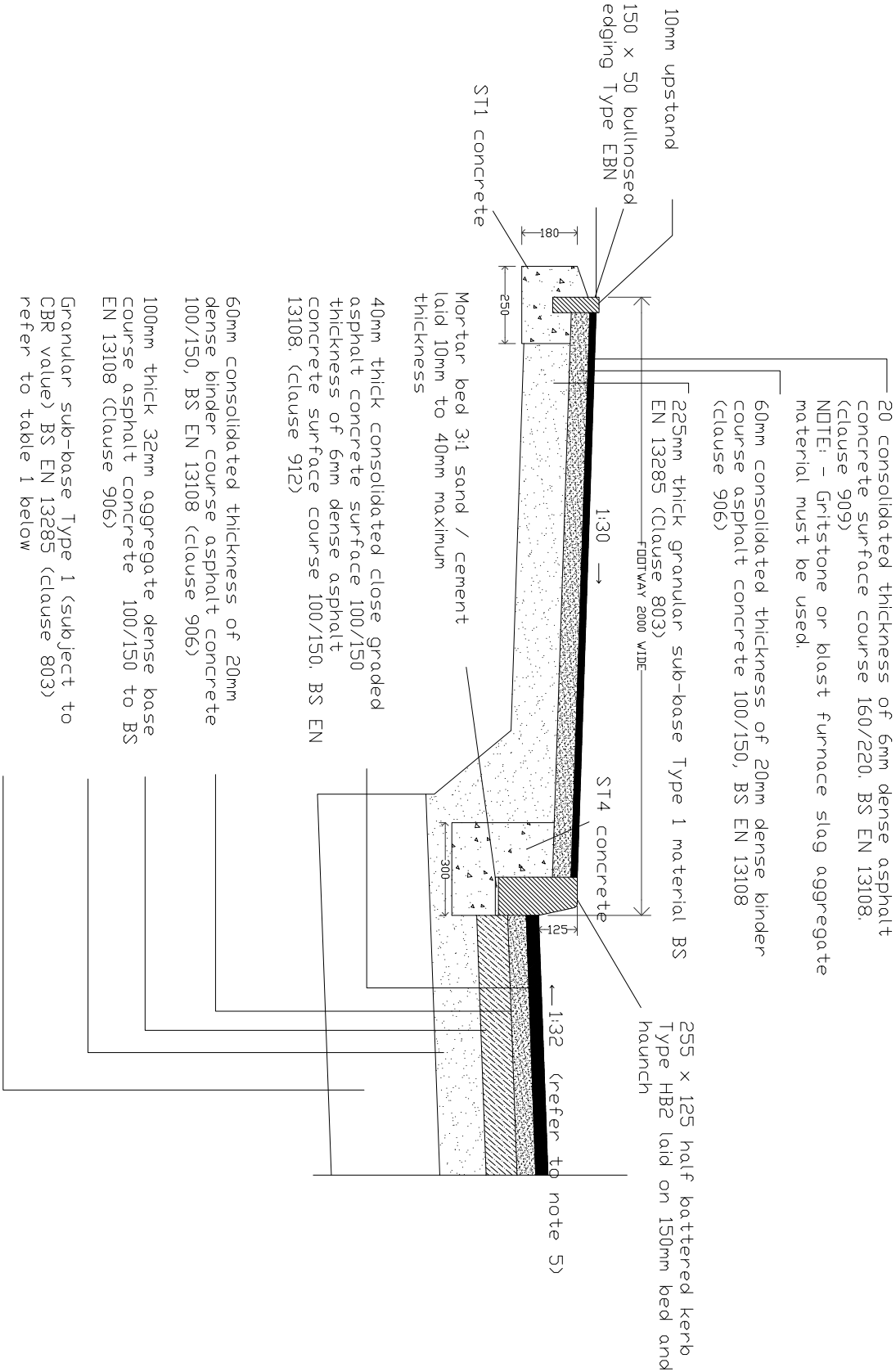


TABLE 1			
CBR VALUE	BELOW 2%	2% – 5%	ABOVE 5%
SUB-BASE	150mm	150mm	250mm
CAPPING LAYER	600mm	350mm	0mm

- 20mm consolidated thickness of 6mm dense asphalt concrete surface course 160/220. BS EN 13108.
(clause 909)
NOTE: – Gritstone or blast furnace slag aggregate material must be used.
- 60mm consolidated thickness of 20mm dense binder course asphalt concrete 100/150, BS EN 13108 (clause 906)
- 40mm thick consolidated close graded asphalt concrete surface 100/150 thickness of 6mm dense asphalt concrete surface course 100/150. BS EN 13108. (clause 912)
- 60mm thick 32mm aggregate dense base course asphalt concrete 100/150 to BS EN 13108 (Clause 906)
- 100mm thick 32mm aggregate dense base course asphalt concrete 100/150 to BS EN 13108 (Clause 906)
- Granular sub-base Type 1 (subject to CBR value) BS EN 13285 (clause 803) refer to table 1 below
- Capping layer (subject to CBR value) (clause 613) Refer to Table 1 below.

- NOTES:
- When bitumen layer is laid as base course and is not covered immediately with the binder course or binder course is laid and not immediately covered with surface course, then apply tack coat bituminous spray Class C4084cationic emulsion (BS EN 13808) at a rate of 0.5 litres/sq. m (clause 920)
 - Production / laying / compaction requirements, sub – clause 802, capping layer – clause 612, asphalt concrete base course / binder course / surface course – clause 901 and 903.
 - Table below is given for guidance only. Specialist geo-technical advice should be taken particularly where the CBR value is below 5%. Consideration should also be given for the provision of geo-grid and geo textile membranes depending on site conditions.
 - The use of recycled material will require prior agreement and the provision of sample test certificates indicating suitable grading characteristics and the absence of contamination. When permitted it may only be used as capping material or as sub-base in non-carriageway areas.
 - The minimum overall construction thickness of the carriageway shall be 450mm
 - Apart from those lengths requiring super-elevation by design need, the cross-section of the new carriageway should be crowned to provide a balanced camber. This will ensure that the surface water from the higher ground will not drain across the carriageway to the lower side.
 - Weedkiller to be ighway Engineer.
 - Where hot-rolled asphalt surface course is required please refer to RCT standard detail number 142.
 - All dimensions are in millimetres unless stated otherwise.
 - Kerbs as shown on standard detail number 170.

k.j.lloyd

AADip. RIBA

CHARTERED ARCHITECT

49 Coed Y Pia, Llanbrydarch

Caerphilly, CF83 3PT

PROJECT

PROPOSED RESIDENTIAL DEVELOPMENT AT PLOT 5 LAND ADJOINING 99 NEATH ROAD

RESOLVEN

SA11 4AN

SCALE

1:20 @ A3

DRAWN

KL

DATE

JUNE 2021

DWG. NO.

RD.01

DRAWING

FOOTWAY AND CARRIAGEWAY CONSTRUCTION