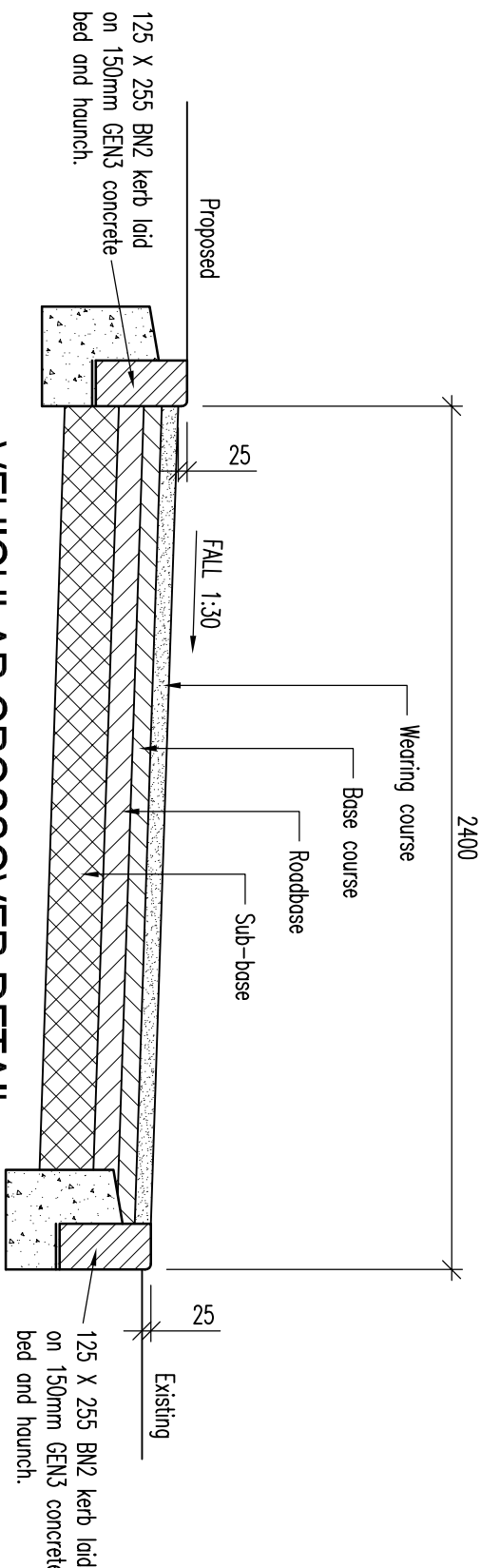


Wearing course: 45mm consolidated thickness of 30/14 asphalt to table 3 column 3/2 type F or table 4 column 4/2 type C with a minimum target binder content of 7.3% for blended crushed rock fine aggregate to BS594:Part 1 (Clause 911 design mix) with 20mm pre-coated chippings (Clause 915). Minimum stability for type F & C asphalt to be 3 to 8kN with a maximum flow value of 5mm.

Base course: 50mm minimum consolidated thickness dense modocum base course, 20mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 906).

Roadbase: 70mm minimum consolidated thickness dense modocum roadbase, 20mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 903).

Sub-base: 150mm thickness granular sub-base Type 1, (subject to CBR value), (Clause 803).



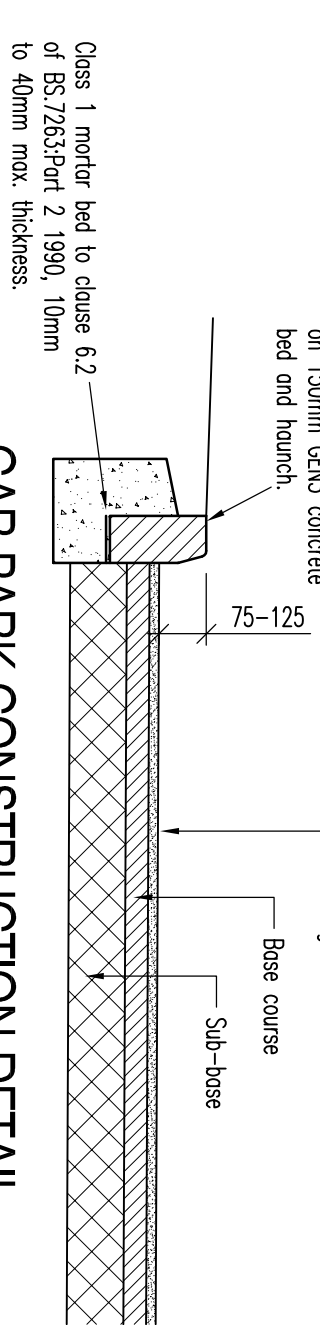
VEHICULAR CROSSOVER DETAIL

CAR PARK CONSTRUCTION:-

Wearing course: 25mm minimum consolidated thickness dense graded modocum wearing course, (10mm), to BS 487:Part 1, 200 pen bitumen, (Clause 912).

Base course: 60mm minimum consolidated thickness dense modocum base course, 20mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 906).

Sub-base: 150mm thickness granular sub-base Type 1, (subject to CBR value), (Clause 803).



CAR PARK CONSTRUCTION DETAIL

ROAD CONSTRUCTION:-

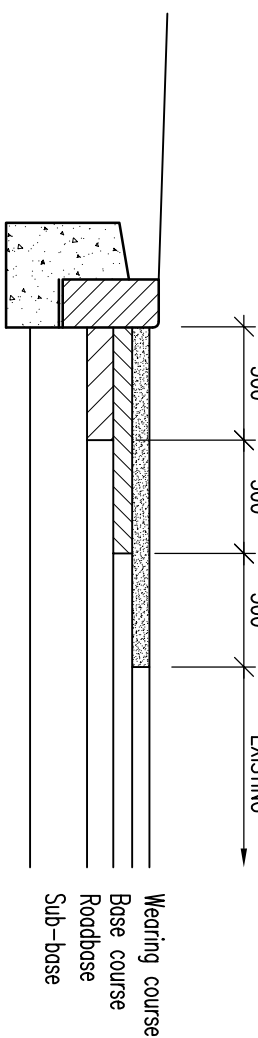
Wearing course:

45mm thickness rolled asphalt design mix, BS 594 Part 1 table No.3 Column No.9. Marshall stability target: 8kN (+/-20%). Marshall flow, (Clause 911), 5mm max. Aggregate type: Crushed rock or blastfurnace slag, (the use of limestone aggregates in accordance with BS 812 will not be permitted), min. or temperature in the shade for laying wearing course, (Clause 103.4), 8°C.

Base course: 50mm minimum consolidated thickness dense modocum base course, 20mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 906).

Roadbase: 70mm minimum thickness dense modocum roadbase, 40mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 903).

Sub-base: 150mm thickness granular sub-base Type 1, (Clause 803).

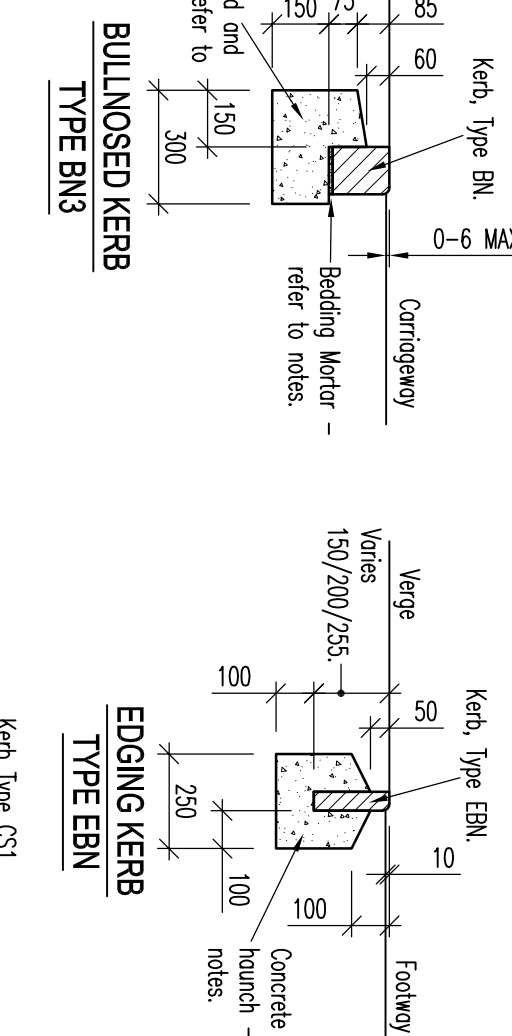
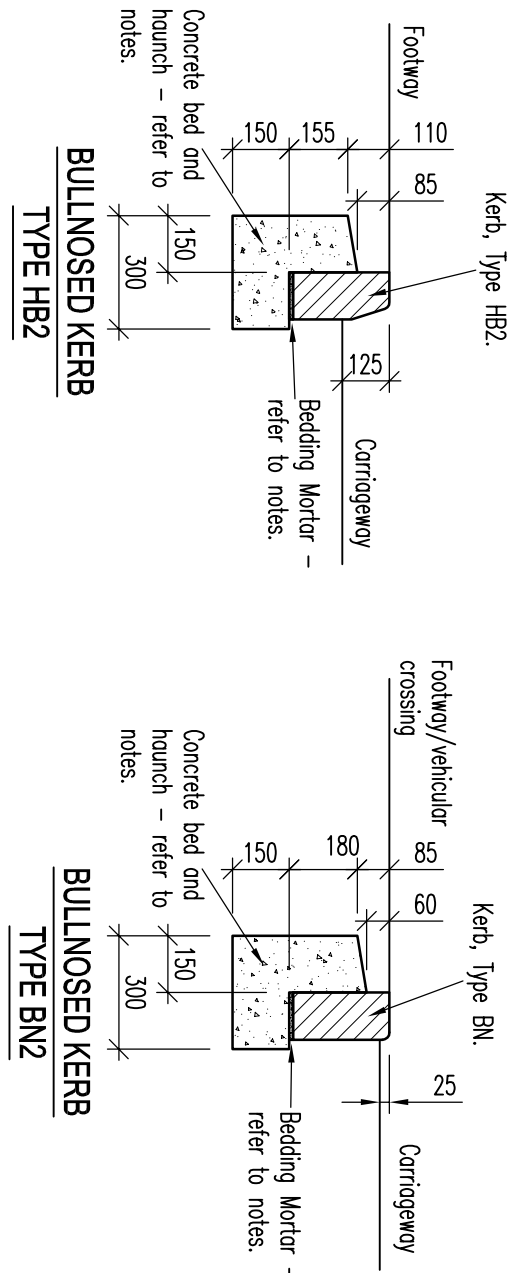


ROAD TIE-IN DETAIL

NOTES:

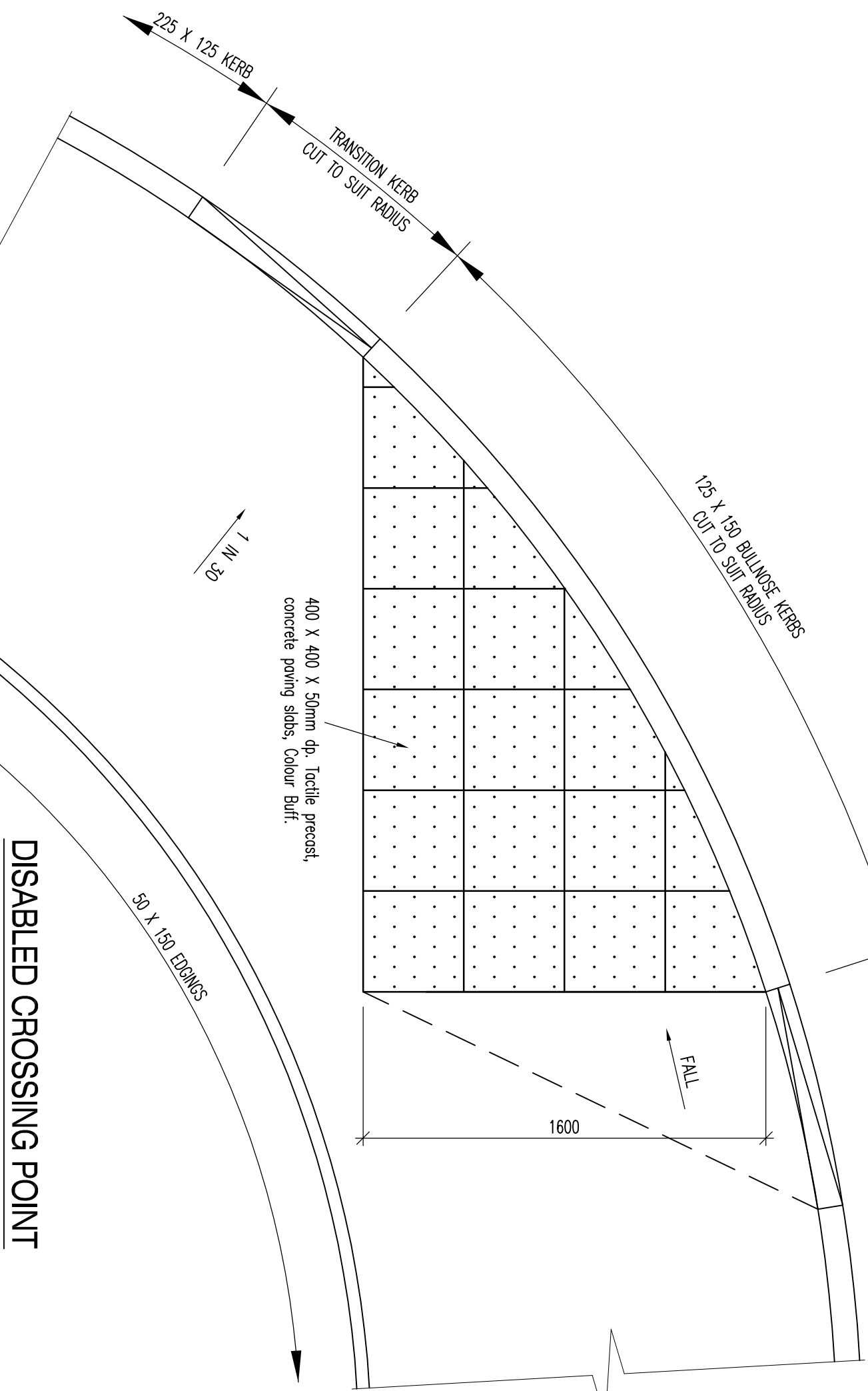
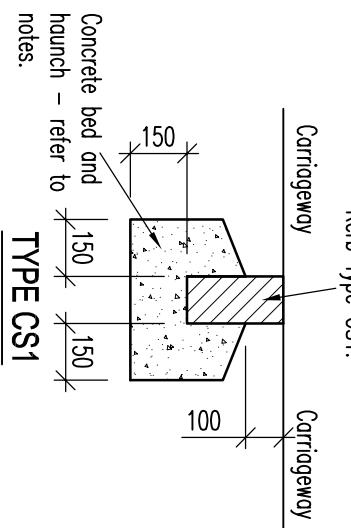
- When bituminous mixture is laid on base course and is not covered immediately with the binder course or binder course is laid and not immediately covered with surface course, then apply hot coat bituminous spray Class C40/4 colour emulsion, (BS EN 13306), at a rate of spread of 0.2litres/m², (Clause 920).
- Vertical joints shall be situated outside of the wheel track zones and wherever possible coincide with the lane edge or lane marking in accordance with Clause 303.
- All joints are to be saw cut with a vertical face.
- The faces of all cold upstanding edges including previously laid asphalt, apronal which hot bituminous mixtures are to be laid shall be treated with either a hot bituminous binder with penetration 40/60, or a hot elastomeric polymer-modified bituminous binder complying with BS EN 14023 with penetration no less than 40 pen
- Production/laying/compaction requirements, sub-base – clause 802, capping layer – clause 612, asphalt concrete base course/binder course/surface course – clause 901 and 903.
- All vertical surfaces should be cleaned and polished with a thin coating of 50 or 70 pen hot bitumen or cold applied thixotropic bitumen compound. The horizontal surfaces should receive a complete and uniform coating of A1-40 or K1-40 bitumen emulsion laid at a rate of 0.3-0.5 litres/sq.m.

SUB-BASE LAYER THICKNESS.		
CBR %	Sub-base thickness (Clause 803)	Capping Layer thickness (Clause 613)
> 15	150	-
5 – 15	225	-

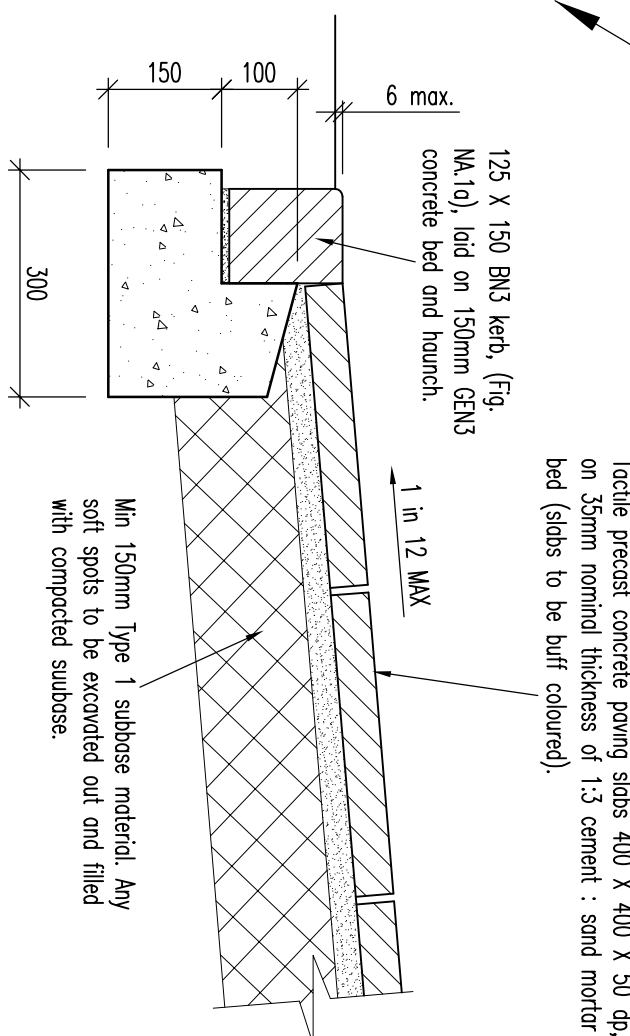


NOTES:

- All precast concrete kerbs, channels, edgings and quodonts shall conform to BS EN 1340 : 2003 and their dimensions unless specified otherwise.
- Quodonts in these sizes shall have the following profiles:- Bullnosed type DBN, to match corresponding kerb type BK, half battered type DBB to match corresponding kerb types HB2, HB3, 45 sloped type DB7, to match corresponding kerb type SP.
- Angle kerbs in these sizes may also have profiles to match 45 sloped Type SP.

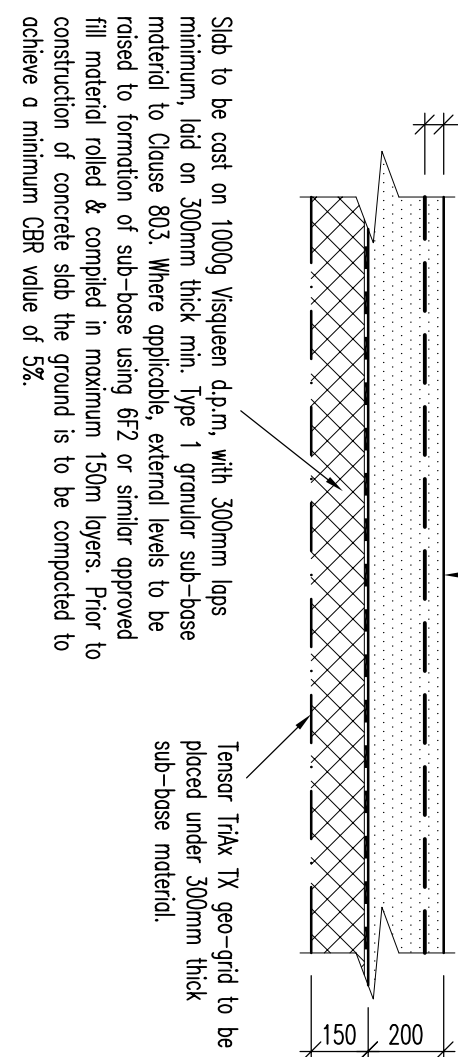


DISABLED CROSSING POINT

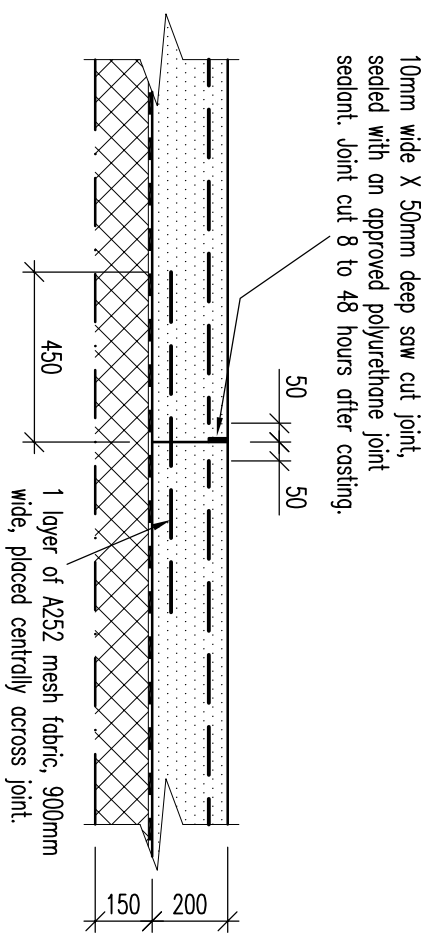


DISABLED CROSSING POINT SECTION

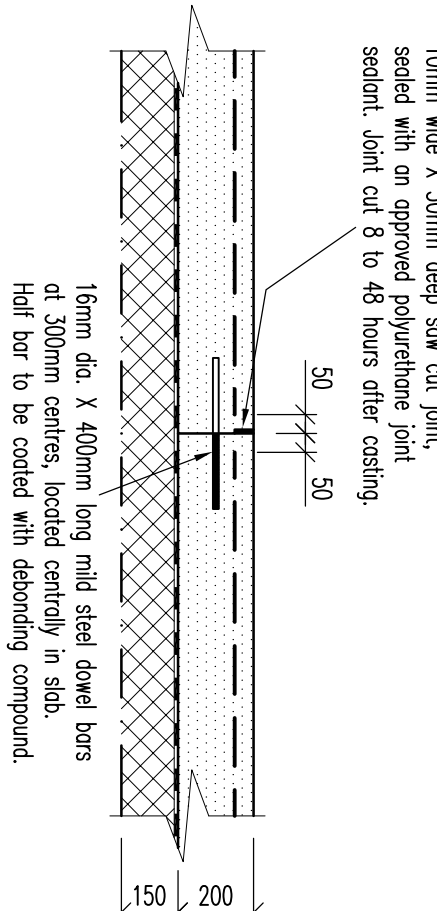
CONCRETE ROAD CONSTRUCTION



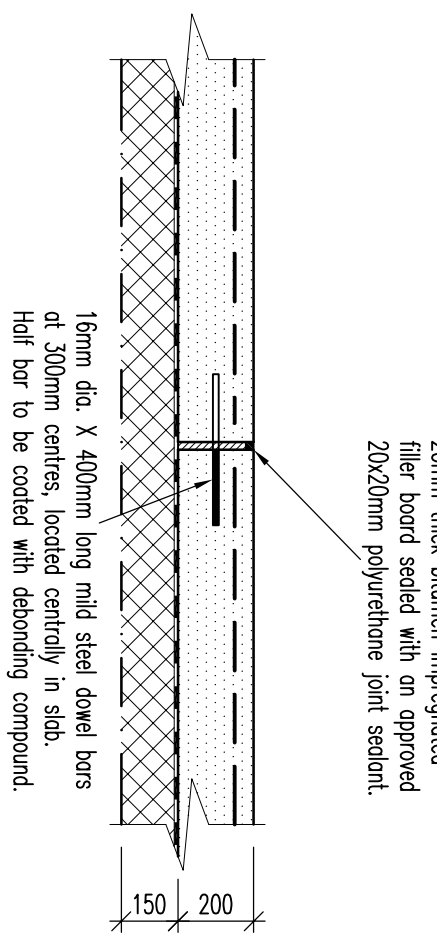
INDUCED JOINT DETAIL



CONTRACTION JOINT DETAIL



ISOLATION JOINT DETAIL

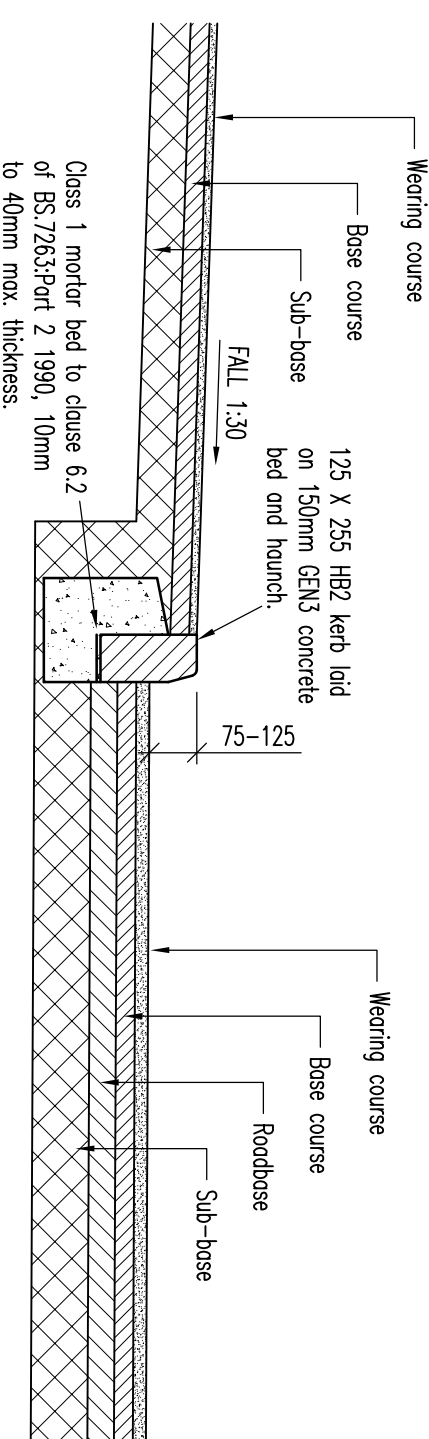


EQUIPATH CONSTRUCTION:-

Wearing course: 20mm minimum consolidated thickness dense graded modocum wearing course, (6mm), to BS 487:Part 1 (200 pen bitumen). Note - Griststone or blast furnace slag aggregate material must be used.

Base course: 50mm minimum consolidated thickness dense modocum base course, 20mm nominal size aggregate, 100 pen bitumen, (BS 487:Part 1), (Clause 906).

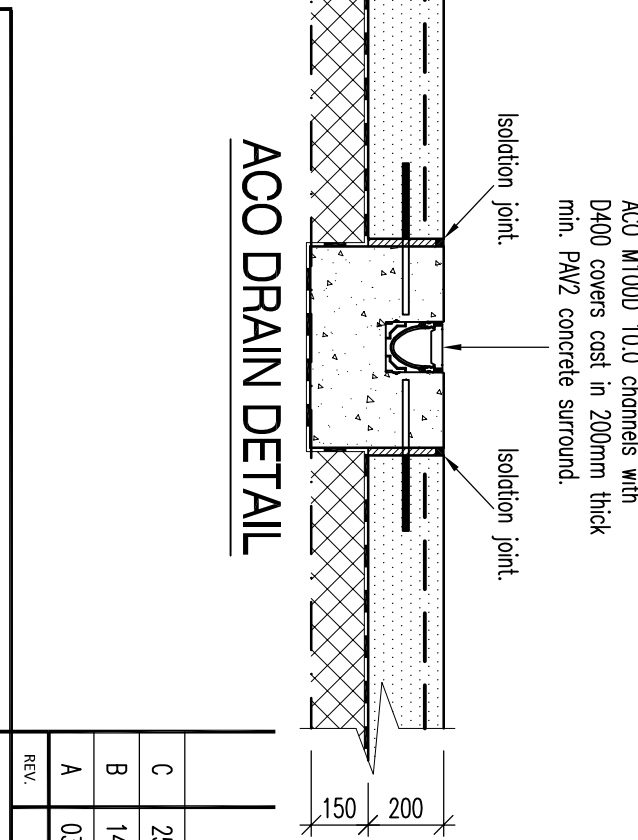
Sub-base: 100mm thickness granular sub-base Type 1, (Clause 803).



ACCESS ROAD CONSTRUCTION DETAIL

NOTES:

- All precast concrete kerbs, channels, edgings and quodonts shall conform to BS EN 1340 : 2003 and their dimensions unless specified otherwise.
- All precast concrete kerbs, channels, edgings and quodonts shall be laid in accordance with BS 7533-6:1999.
- All fresh concrete for foundations and haunch shall be grade C5/8 or S11 concrete in accordance with BS EN 206-1 BS 5500 - 2:2006
- The foundation shall be increased in thickness as necessary to rest on the carriageway sub-base.
- Concrete edge beams shall have a minimum depth of 150mm and sufficient width to accommodate the unit and the concrete haunch.
- Where precast concrete kerbs are to be laid on an existing concrete edge beam, a hardened concrete haunch/haunch or existing carriageway base units shall be bedded down in accordance with BS 7533-6:1999 on a layer 12 - 40 mm thick of 1 : 3 Cement and Sand mortar, (by volume), and backed up with a Grade C6/8 or S11 concrete haunch.
- Precast concrete kerb units shall be laid on a mortar bed.



REV.	DATE	DRAWN	REVISION
C	25.05.21	WB	Sub-base reduced to 150mm
B	14.12.20	WB	Road constructions revised. Construction issue.
A	03.07.20	WB	Concrete road construction added.

CDM BOX

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the Safety / Health / Environment information, the types of work detailed on this drawing, have the following:	
☐ DRAIVING ISSUE STATUS	☐ DESIGN DEVELOPMENT PRIOR TO TENDER
☐ PRELIMINARY ISSUE	☐ DESIGN DEVELOPMENT PRIOR TO CONSTRUCTION
☒ CONSTRUCTION ISSUE	☐ AS BUILT ISSUE

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PROJECT : GUINEVERE HOLDINGS
DEVELOPMENT AT CERAMIC WAY
TITLE : EXTERNAL WORKS DETAILS
SHEET 3 OF 3

DATE : JAN20	DRAWN : WB	PROJECT NO. :	DWG NO. :	REV. :
SCALE : 1:20 (A)	CHECKED : -	20.4592	06	C