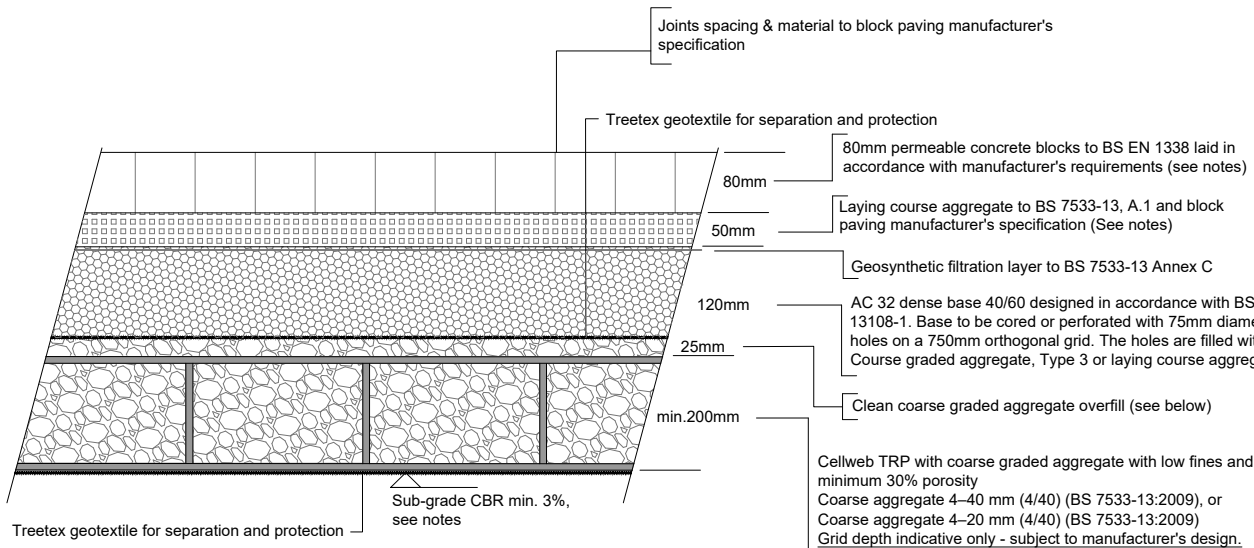


NOTE REQUIREMENT FOR 3% CBR OF EXISTING
GROUND AT BASE OF PROPOSED CELLWEB GRID



- am 1500 geotextile

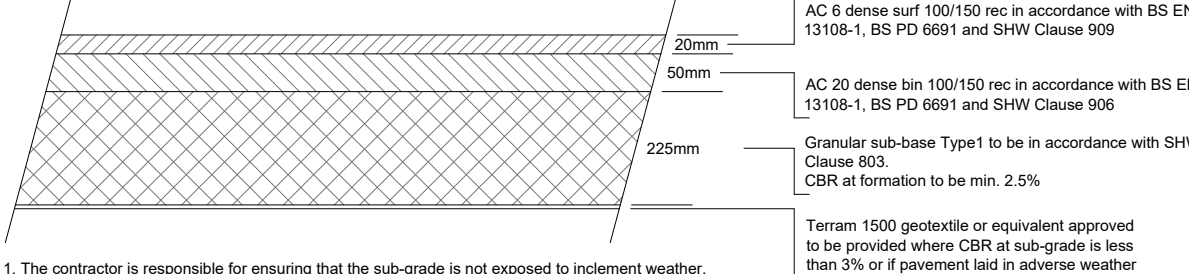
1. Capping layer depth depends upon equilibrium CBR testing of sub-grade (the contractor is responsible for undertaking these tests and any subsequent in-situ tests to demonstrate validity of equilibrium testing). Capping depths will be in accordance with Table 10.1.
2. Where the CBR at the time of construction is less than the design CBR, the lower values should be used and the pavement thickness increased. Where the found CBR is higher, no reduction in pavement thickness should be made. The existing system can be proved to be invalid.
3. Where the sub-grade CBR is below 2%, it should be improved or replaced prior to construction of the foundation. All soft spots to be removed prior to construction.
4. The contractor is responsible for ensuring that the sub-grade is not exposed to substandard weather.
5. Impermeable membrane to be confirmed by manufacturer as suitable for drainage purposes and should be:
 - a. manufactured from a durable, robust material which can withstand the additional loads applied during construction and throughout the full design life of the pavement
 - b. resistant to puncture, multiple stresses and strains associated with movement and environmental stress cracking
 - c. unaffected by potential pollutants such as alkaline or acidic ground water
 - d. installed with welded joints and discharge outlets.

It is recommended that field joints are tested to ensure the integrity of the system and provide a more robust jointing method.

6. Any impermeable membrane should be installed and treated with care to ensure that it is not damaged during construction.
7. Consideration should also be given to protecting membranes with geotextile fleece where leakage could have particularly severe consequences.
8. Warranty for proprietary surface courses is to be provided by the manufacturer & not Hexa.
9. A block manufacturer may recommend a reduced block depth and a specific laying course material/grading/product suitable for the application.

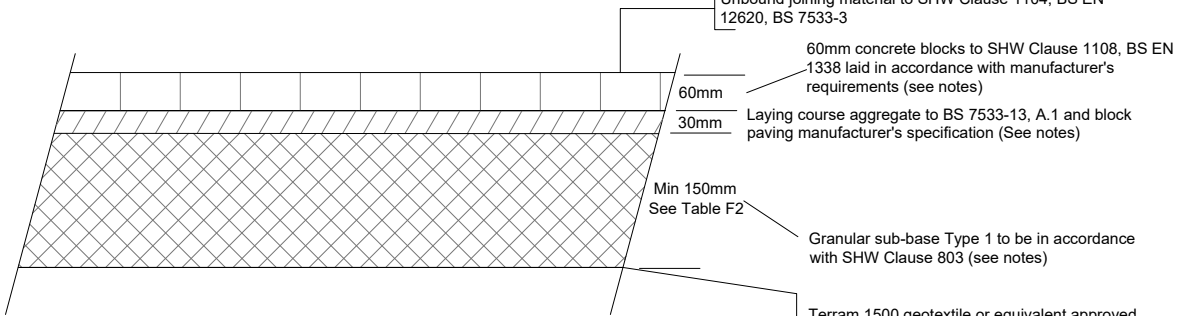
Diagram illustrating the cross-section of a road structure:

- Top layer: 50mm Self-binding gravel surface course
- Middle layer: 150mm Granular sub-base Type 1 to be in accordance with SHW Clause 803
- Bottom layer: Terram 1500 geotextile or equivalent approved to be provided where CBR at sub-grade is less than 3% or pavement laid in adverse weather

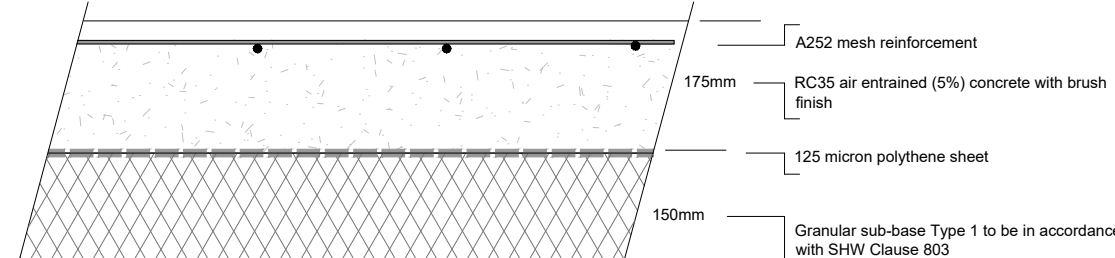


1. The contractor is responsible for ensuring that the sub-grade is not exposed to inclement weather.
2. Where the CBR of the subgrade is less than 2.5% it shall be improved or replaced prior to construction of the foundation. All soft spots to be removed prior to construction.
3. Engineer to assess the frost susceptibility of the formation material. If the formation material is frost susceptible, then this material should be removed and replaced with non-frost susceptible material with a depth to suit the specific site requirements.

IN-SITU CONCRETE SLAB CONSTRUCTION
(SCALE 1:10)



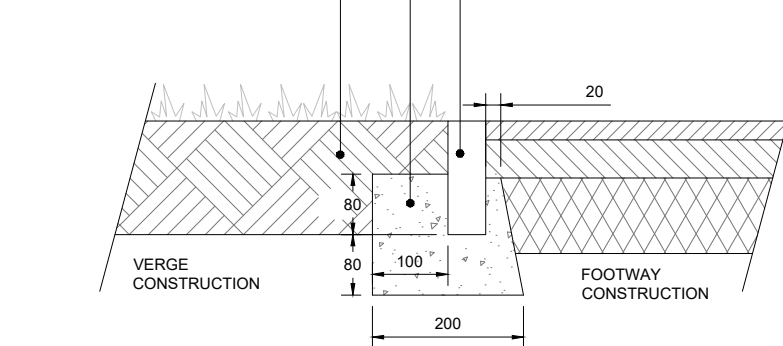
1. The contractor is responsible for ensuring that the sub-grade is not exposed to inclement weather
2. Warranty for proprietary surface courses is to be provided by the manufacturer & not Hexa.
3. Where the CBR of the subgrade is less than 2.5% it shall be improved or replaced prior to construction of the foundation. All soft spots to be removed prior to construction.
4. Where the CBR at time of construction is less than the design CBR, the lower value should be used and the pavement thickness increased. Where the found CBR is higher, no reduction in pavement thickness should be made, unless previous testing can be proved to be invalid.
5. Engineer to assess the frost susceptibility of the formation material. If the formation material is frost susceptible, this should be replaced with and replaced with non-frost susceptible material with a depth to suit the specific site requirements



LANDSCAPING TO LANDSCAPE
ARCHITECT DETAIL & SPECIFICATION

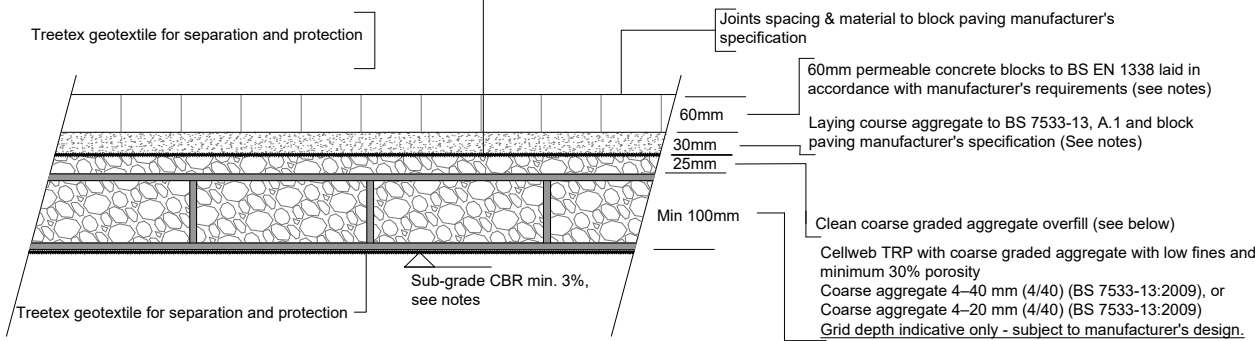
ST4 CONCRETE BED AND HAUNCH IN
ACCORDANCE WITH SHW CLAUSE 2602

50x150 SQUARE PRECAST CONCRETE
EDGING BLOCK TO BS7263-1

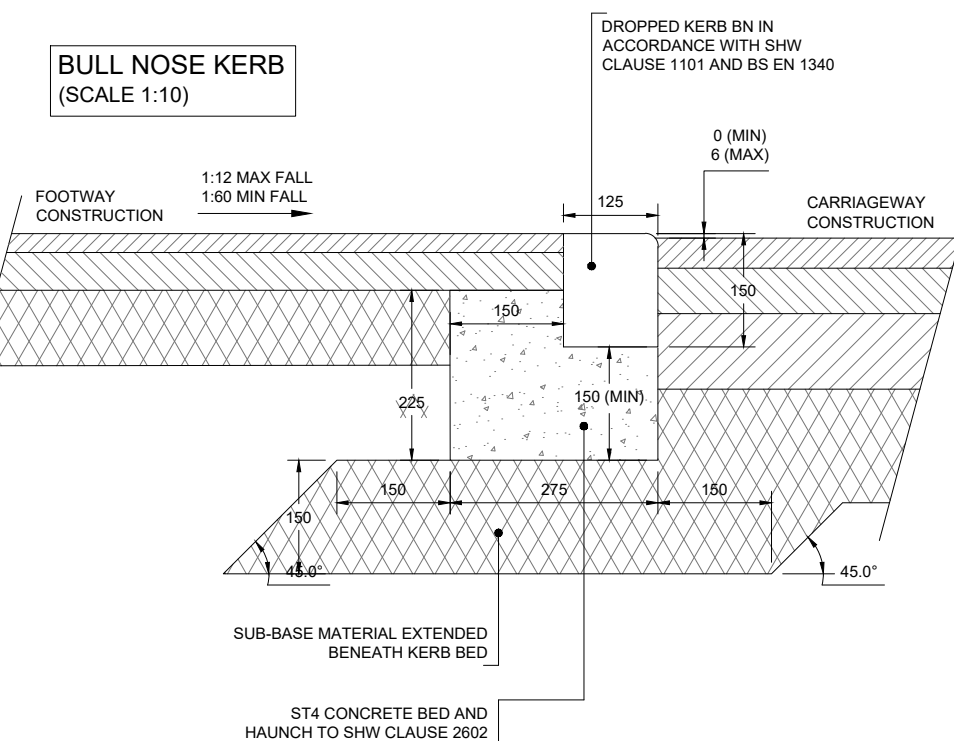
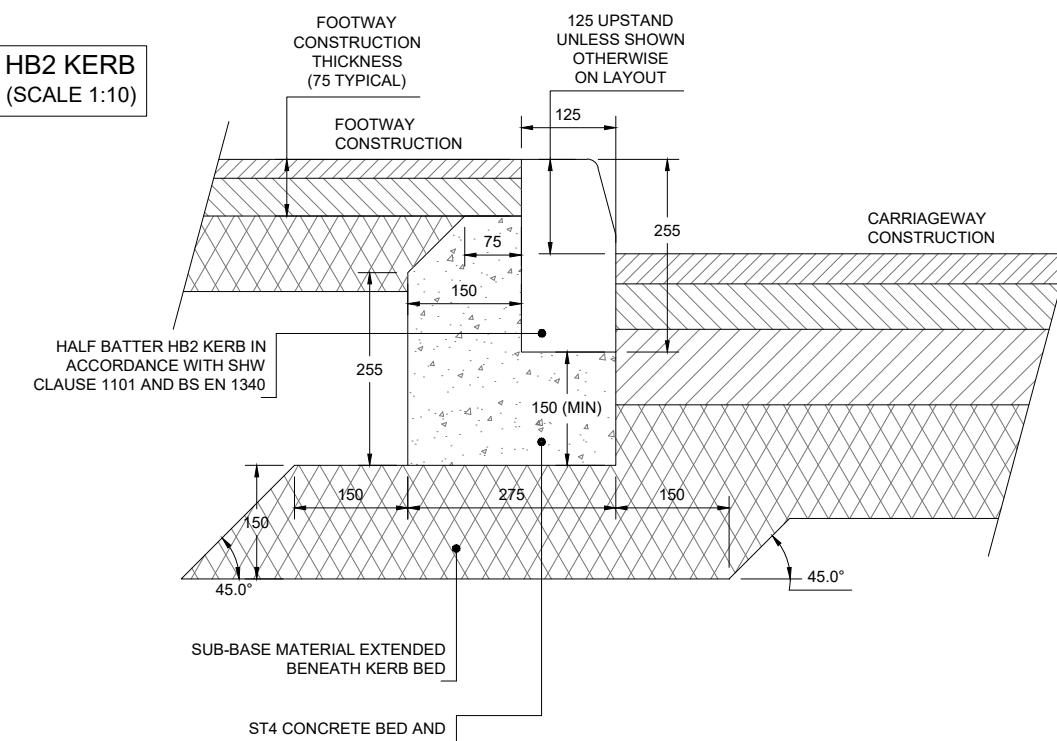


BULL NOSE KERB
(SCALE 1:10)

1. Capping layer depth depends upon equilibrium CBR testing of sub-grade (the contractor is responsible for undertaking these tests and any subsequent in-situ tests to demonstrate validity of equilibrium testing). Capping depths to be in accordance with Table P4.
2. Where the CBR at time of construction is less than the design CBR, the lower value should be used and the pavement thickness increased. Where the found CBR is higher, no reduction in pavement thickness should be made unless previous testing can be proved to be invalid.
3. Where the sub-grade CBR is below 2% it should be improved or replaced prior to construction of the foundation. All soft spots to be removed prior to construction.
4. The contractor is responsible for ensuring that the sub-grade is not exposed to inclement weather.
5. Warranty for proprietary surface courses is to be provided by the manufacturer & not Hexa.



- Additional sub-base may be required if CBR at sub-grade is less than 3%. The contractor is responsible for undertaking CBR tests at shown depth and any subsequent in-situ tests to demonstrate validity of equilibrium testing.
- Where the CBR at time of construction is less than the design CBR, the lower value should be used and the pavement thickness increased. Where the found CBR is higher, no reduction in pavement thickness should be made.
- The contractor is responsible for ensuring that the sub-grade is not exposed to inclement weather.
- Warranty for proprietary surface courses and Celweb grid is to be provided by the manufacturers & not Hexra.
- Proposed geosynthetic build-up depth and specification to be reviewed and validated by a manufacturer and arboriculturist consultant.**



C09	11.08.26	Updated to suit minor updates	TC	ST
C08	20.01.26	Cellweb TRP unit size increased to 200mm for vehicle loading areas	KJ	ST
C07	17.12.25	Loose fill play area external works details added	KJ	ST
C06	15.10.25	Tarmac removed from beneath block paving in ped areas	ST	ST
C05	26.09.25	TurfMesh detail added	ST	ST
C04	02.09.25	Section removed and added to "9403"	KJ	ST
C03	15.07.25	Updates in clouded area	KJ	ST
C02	11.07.25	Updates in clouded area	KJ	ST
C01	07.07.25	Updated to suit drawing 9400 and 9401 Rev C01	KJ	ST
P04	07.02.25	Punctured base course layer in lieu of hydraulically bound CGA	ST	ST
P03	07.02.25	Retaining wall details added	ST	ST
P02	29.11.24	Stage 4 issue	EMC	AW
P01	26.07.24	First issue for review and comment.	HW	AW
Rev	Date	Details of Issue	Drawn	Rw'd

Issues & Revisions

Consultant

Client



Project Title

TWYCROSS ZOC

Drawing Title

EXTERNAL WORKS CONSTRUCTION DETAILS

Drawn By	HW	Reviewed By	AB
Hexa Ref	600902	Scale at A1	1:10

Purpose of Issue
FOR CONSTRUCTION

Project - Originator - Zone - Level - Type - Role - Number Revision
TWZ-HEX-XX-XX-DR-C-9402 C09