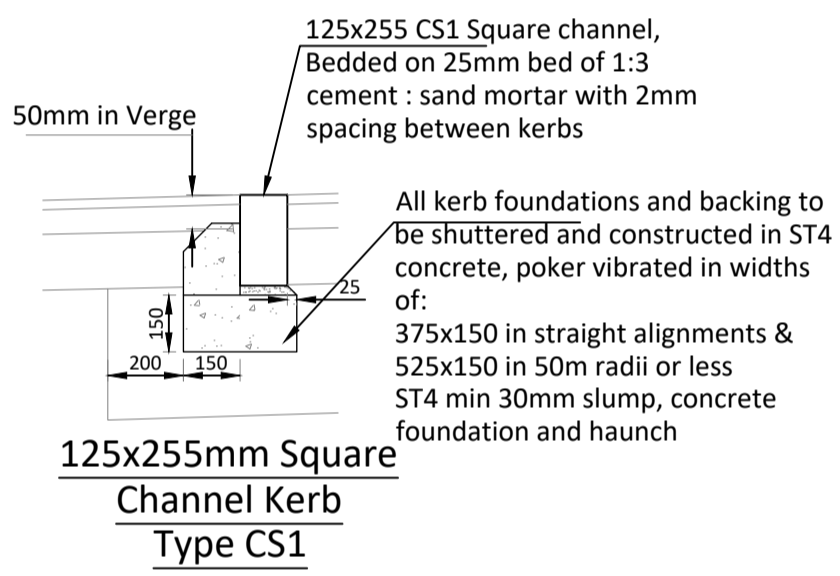
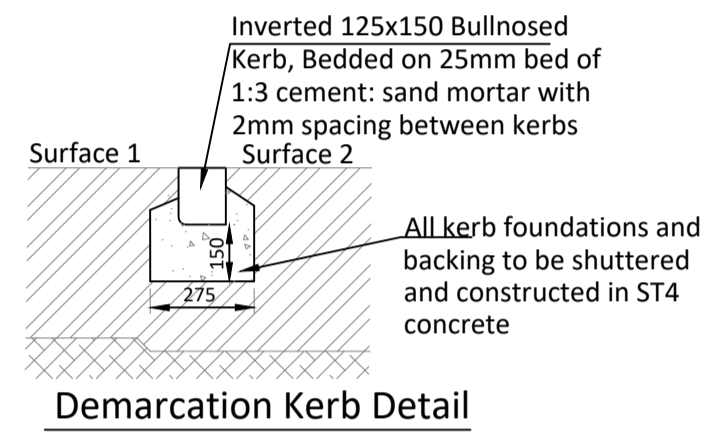
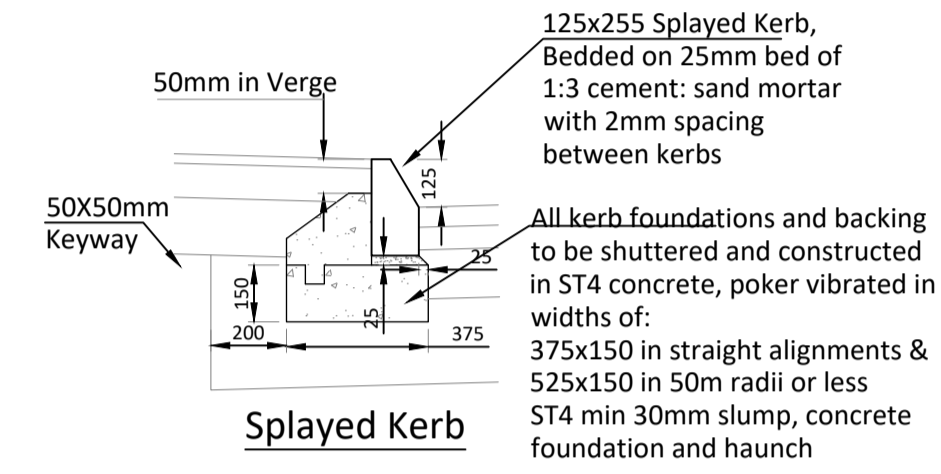
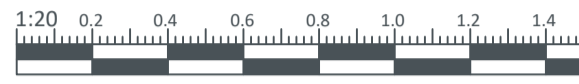
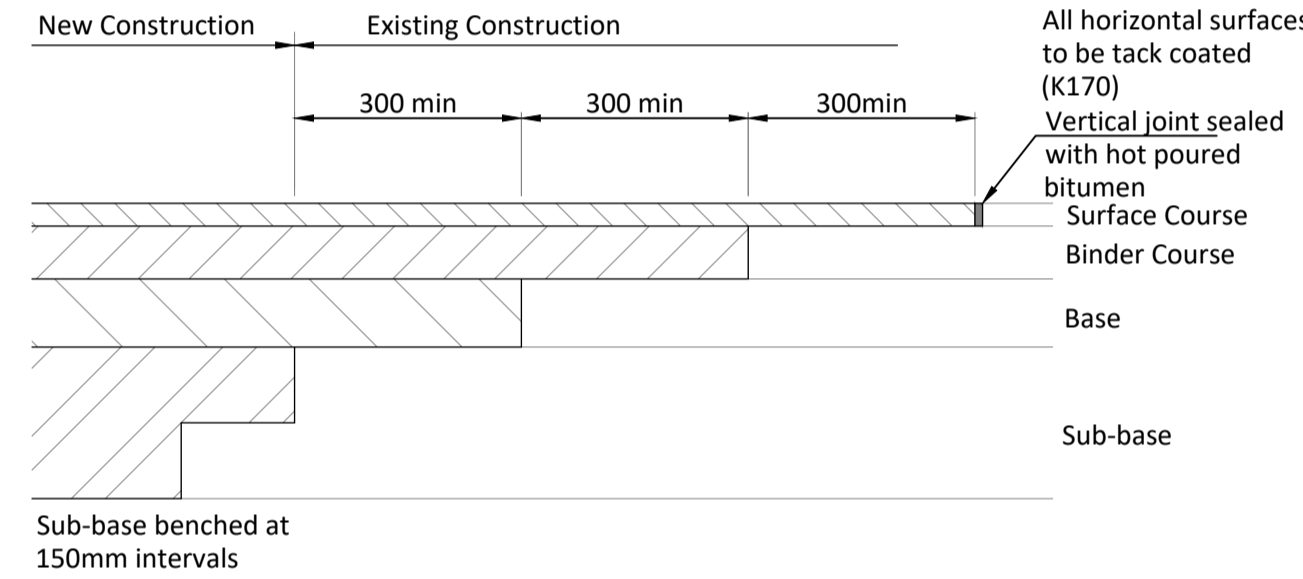
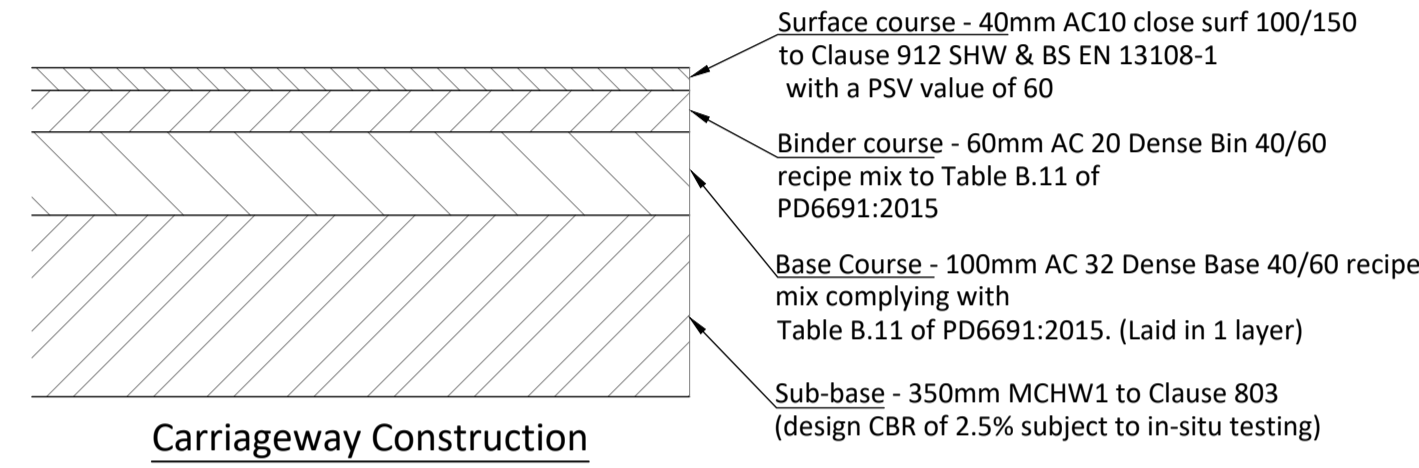
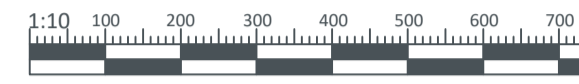
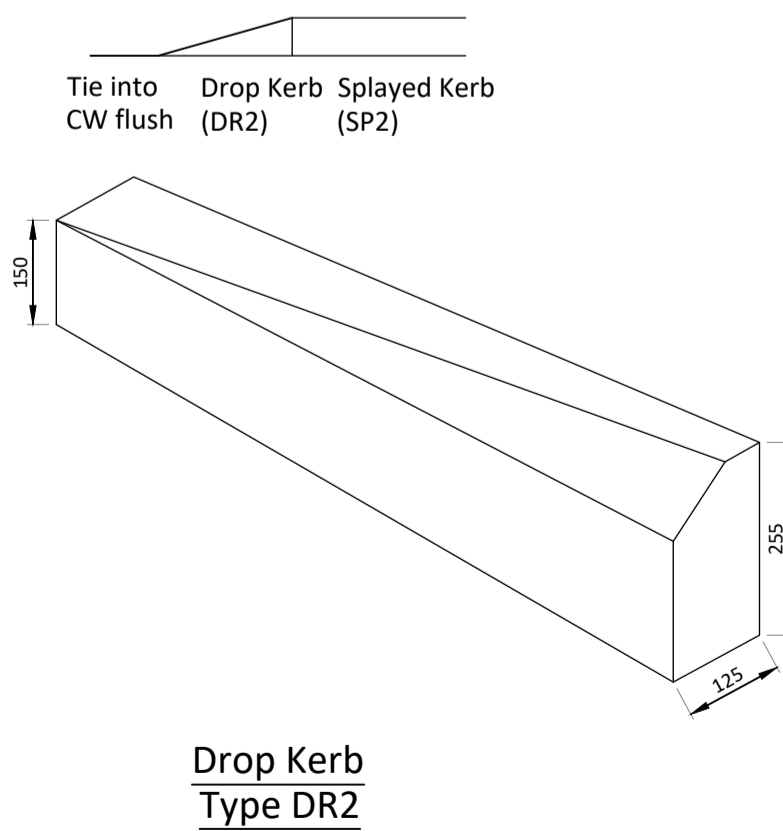
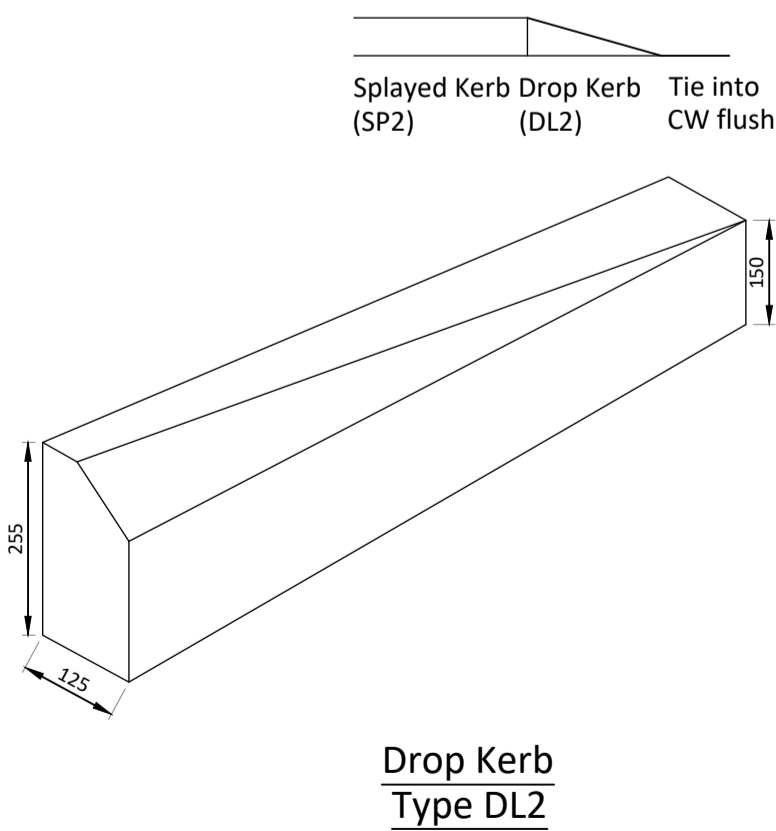
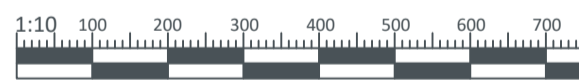


SECTION 278 WORKS - CONSTRUCTION DETAILS

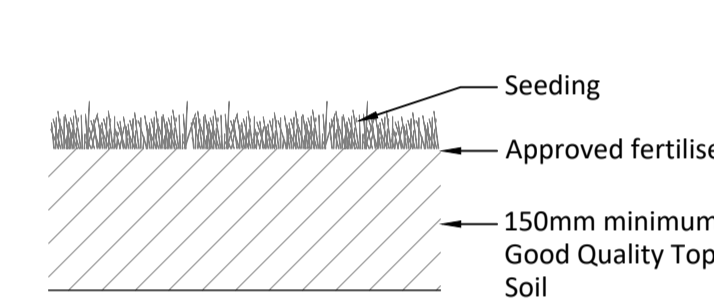


Additional Notes for Kerb Details

1. Kerbs are to be precast to BS 7263: 1994.
2. Transition kerbs are to be used at all changes of kerb type.
3. Concrete bed and haunching to be in accordance with Specification Clause 2602 (Mix ST4)
4. Concrete bed is to rest on or within sub-base layer or on additional concrete, measured separately to allow it to rest on sub-base. Sub-base is to protrude 500mm from face of kerb, behind kerb.
5. Kerbs shall be laid on Class 1 mortar laid on bed in accordance with Clause 2404 and having a minimum thickness of 10mm and a maximum thickness of 40mm. All kerbs to be laid on mortar bed as per drawn kerb details.
6. Dowel bars are specified when small element edging is used. They are to be bedded at 500mm centers.
7. Details NTS.
8. Dimensions in details are in millimetres.



| CBR% | Capping (mm) | Sub-base (mm) |
|----------------|--------------|---------------|
| Less than 2.5% | 600 | 150 |
| 2.5 - 5.0% | 350 | 150 |
| 5.0 to 15% | - | 225 |
| 15 to 30% | - | 150 |
| More than 30% | - | - |



All areas of topsoil should be seeded. The rate of sowing should be greater than 20g/m² and the sown area watered regularly until the growth is substantial.

Grass seed shall be a tested mixture from an approved source and certificates of purity and germination made available, when requested by HCC.

Type A is used generally except where the topsoil or sub-soil is clayey when Type B should be used instead.

| | Type A | Type B |
|--|--------|--------|
| Smooth Stalk Meadow Grass (<i>Poa pratensis</i>) | 28% | 57% |
| Creeping red fescue (<i>Festuca rubra rubra</i>) | 28% | 33% |
| Chewings fescue (<i>Festuca rubra commutata</i>) | 28% | 0% |
| Browntop (<i>Agrostis tenuis</i>) | 9% | 4% |
| White clover (<i>S.100</i>) | 7% | 6% |

NOTES

These drawings have been produced with reference to the CDM Regulations 2015. Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9.

The residual risks identified on the DRA / drawings are based on the information available at the time of design. Any services information indicated on PJA drawings is obtained from third parties, and is given for guidance purposes only. The exact location of any services will need to be verified by the client / contractor before commencing works on site.

1. This drawing is to be read in conjunction with all other relevant Engineering and Architect's details.
2. Do not scale from this drawing.
3. Dimensions in millimetres unless stated otherwise.
4. All work is to be carried out in accordance with current British Standards, Building Regulations and NHBC Standards.
5. The Engineer shall be notified immediately, in writing, should any errors or discrepancies be found prior to the commencement or continuation of any works.
6. Works to be carried out in accordance with Hertfordshire's 'Roads in Hertfordshire: Highway Design Guide 3rd Edition, Section 5 - The Specification for Highway Work'.
7. All Statutory Undertakers, including cable television companies, must be contacted prior to commencing any works to ascertain the location and depth of their apparatus. In the event of any protection or diversionary works being necessary to their apparatus then any costs incurred will be the contractors responsibility both for arranging and any payment.
8. The Contractor shall provide, erect and maintain such traffic signs, lamps, barriers and traffic control signals, and such measures may be necessitated by the construction of the works in accordance with the recommendations contained in Chapter 8 of the Traffic Signs Manual.
9. All sub-strata structures and unconsolidated material within the construction width of the highway, are to be removed.
10. CBR values to be confirmed in order to confirm the sub-base thickness.
11. Hand laying of bituminous materials is not permitted on adoptable carriageway.
12. Tarmac road construction to comply with BS EN 130108
13. The drawing has been produced to form part of the S278 package of drawings.
14. Residual risk items not shown - to be reviewed as project information becomes available and incorporated in to the design and added to drawing prior to technical submission.
15. 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.

Until Technical Approval has been obtained from the relevant Local Authorities or Statutory Bodies, it should be understood that all drawings are issued as preliminary and NOT for Construction. Should the Contractor and / or Employer commence work prior to approval being given, it is entirely at their own Risk

| REV | DATE | REVISION NOTE | BY |
|-----|----------|-------------------------|-----|
| A03 | 09.02.23 | Updated to HCC comments | JAL |
| A02 | 06.02.23 | Updated to HCC comments | JAL |
| A01 | 05.01.23 | First issue | JAL |



CLIENT: Amaravati Developments Limited

PROJECT: Amaravati Buddhist Monastery, S278

DRAWING TITLE: Construction Details



06557-CI- A - 0103 - A03

Revision Letter: P - Prelim / A - Approval / T - Tender / C - Construction

| SCALE | DRAWN | REVIEWED | DATE |
|-------------|-------|----------|----------|
| A1@As Shown | JAL | AN | 05.01.23 |