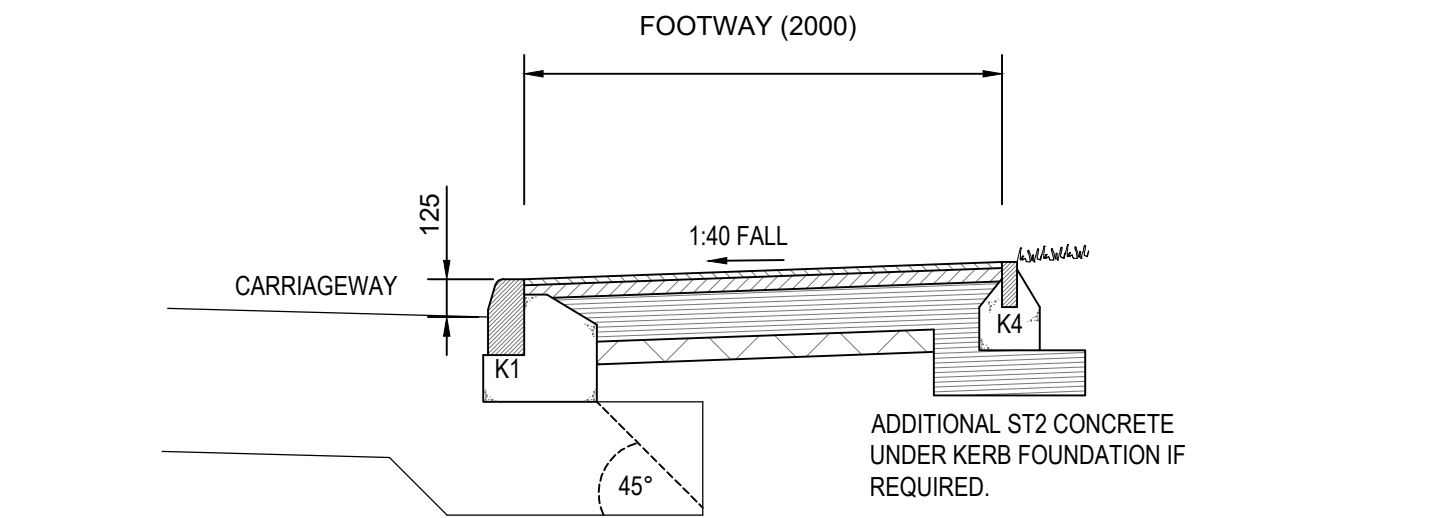
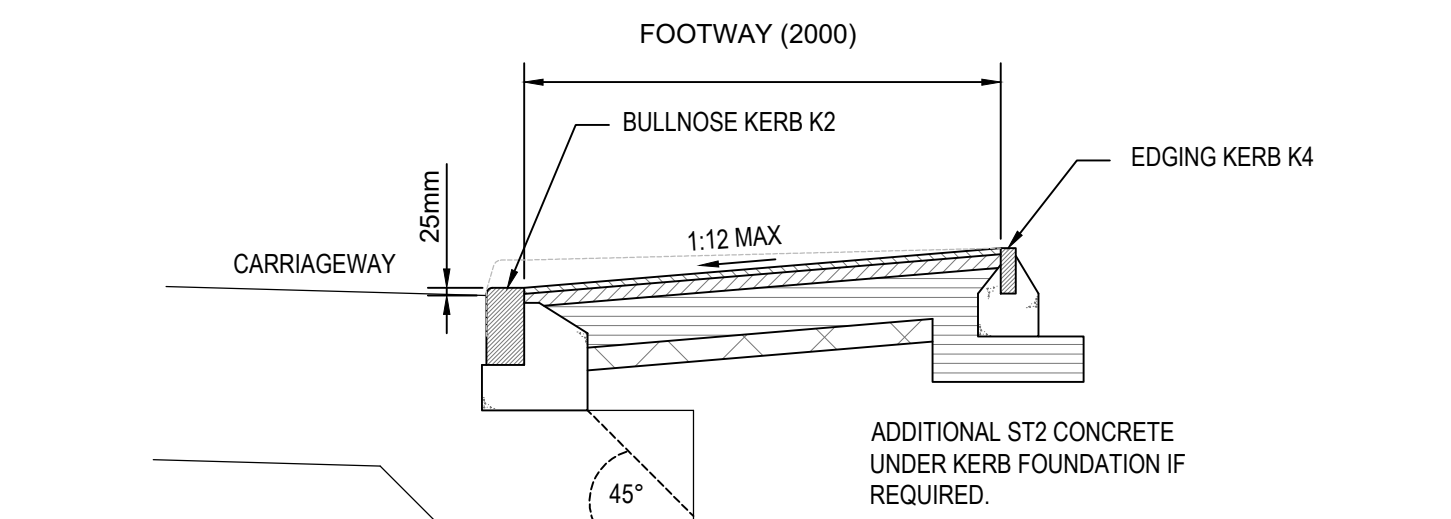


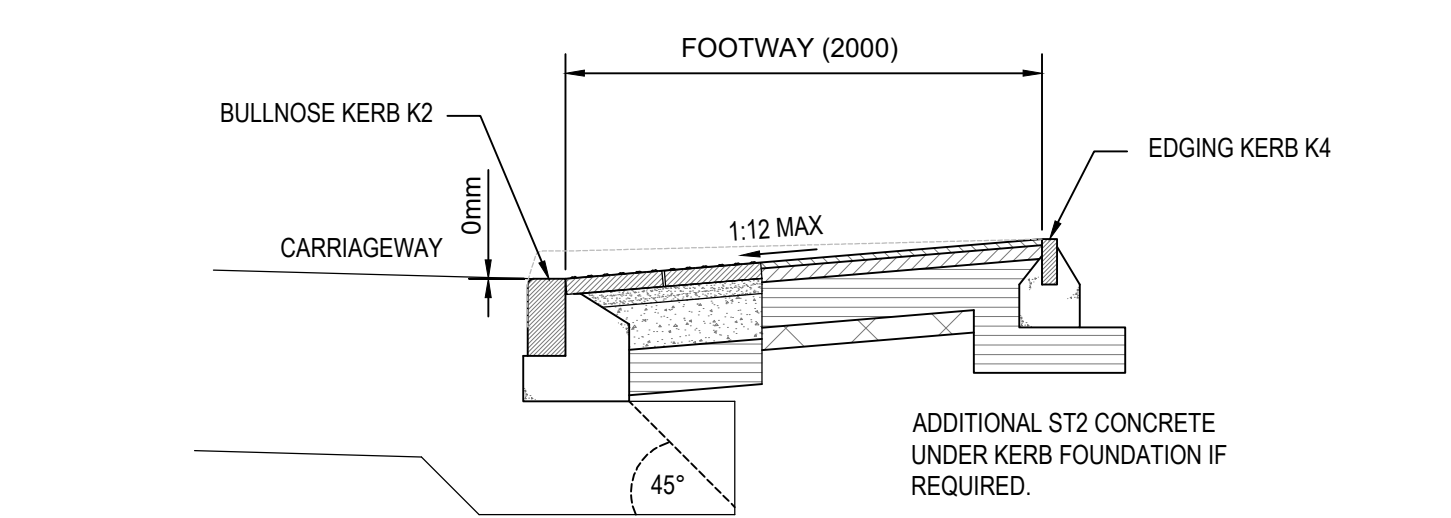
**TARMACADAM/ BLOCK PAVED CARRIAGEWAY**  
SEE TABLES FOR CONSTRUCTION DETAILS  
SPEC 1  
SCALE 1:25



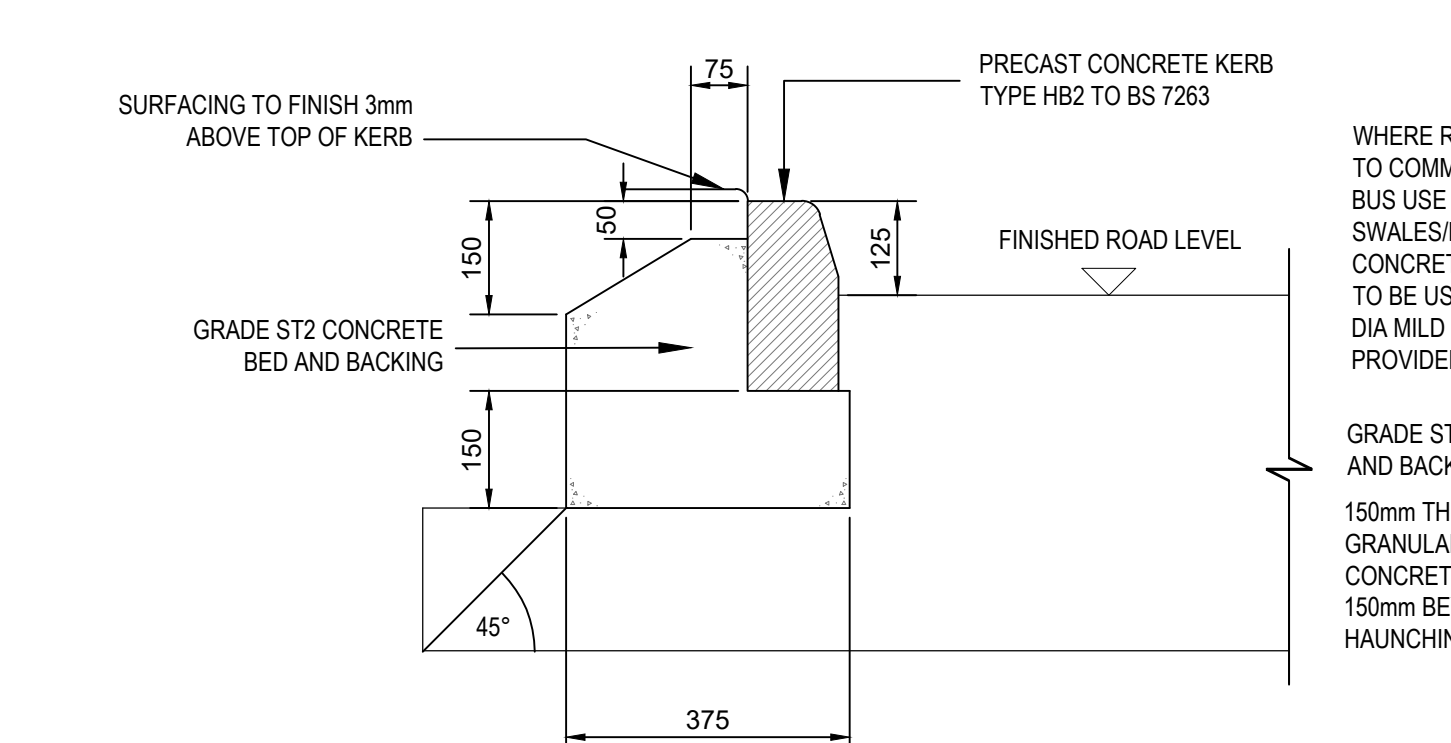
**TARMACADAM FOOTWAY/ CYCLEWAY**  
SEE TABLE FOR CONSTRUCTION DETAILS  
SCALE 1:25



**DOMESTIC VEHICLE CROSSING**  
SEE TABLE FOR CONSTRUCTION DETAILS  
SCALE 1:25



**TACTILE PAVING PEDESTRIAN CROSSING**  
SCALE 1:25



**STANDARD KERB TYPE HB2**  
SCALE 1:10

**TARMACADAM CARRIAGEWAY**

| LAYER    | SPECIFICATION  | THICKNESS (mm) |
|----------|--|----------------|
| SURFACE  | HIGH STONE CONTENT HOT ROLLED ASPHALT (HRA) SURFACE COURSE COMPLYING WITH BS EN 13108-4 TABLE 4. 30/14F + PCC 14/20 HRA SURF, BINDER GRADE 40/60, MINIMUM PSV = 63, MAXIMUM AAV = 14.                          | 40mm           |
| BINDER   | DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN, BINDER GRADE 40/60.  | 60mm           |
| BASE     | DENSE BITUMEN MACADAM (DBM) BASE COMPLYING WITH BS EN 13108-1. AC32 DENSE BIN, BINDER GRADE 40/60.   | 130mm          |
| SUB BASE | TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ONSITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.  | 320mm *        |
| CAPPING  | CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY. | 240mm *        |

THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 3% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

**TARMACADAM FOOTWAY/CYCLEWAY CONSTRUCTION**

| LAYER    | SPECIFICATION  | THICKNESS (mm)                       |
|----------|--|--------------------------------------|
| SURFACE  | CLOSE GRADED AC6, PEN 100/150.   | 25mm                                 |
| BINDER   | CLOSE GRADED AC20, PEN 40/60.  | 75mm                                 |
| SUB BASE | TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 2%. THICKNESS DEPENDANT UPON CBR TESTING. | CBR <2% - 225mm<br>CBR >2.5% - 150mm |

**VEHICULAR CROSSOVER**

| LAYER    | SPECIFICATION   | THICKNESS (mm) |
|----------|---|----------------|
| SURFACE  | CLOSE GRADED AC6, PEN 100/150.  | 25mm           |
| BINDER   | CLOSE GRADED AC20, PEN 40/60.   | 75mm           |
| SUB BASE | TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ONSITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY. | 320mm *        |

THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

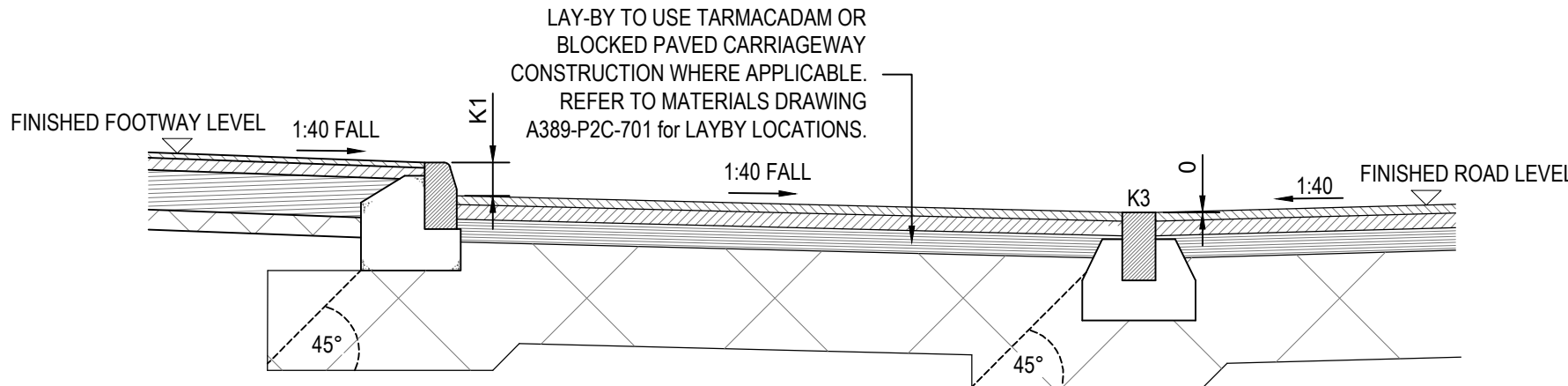
**TACTILE PAVING PEDESTRIAN CROSSING**

| LAYER    | SPECIFICATION   | THICKNESS (mm)                       |
|----------|---|--------------------------------------|
| SURFACE  | 400mm SQ x 50mm THICK BUFF COLOURED BLISTER FLAGS   | 50mm                                 |
| LAYING   | 1:2 CEMENT / SAND BED   | 50mm                                 |
| BINDER   | THICK LEAN MIX CEMENT BOUND MATERIAL  | 150mm                                |
| SUB BASE | TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 20%. THICKNESS DEPENDANT UPON CBR TESTING. | CBR <2% - 225mm<br>CBR >2.5% - 150mm |

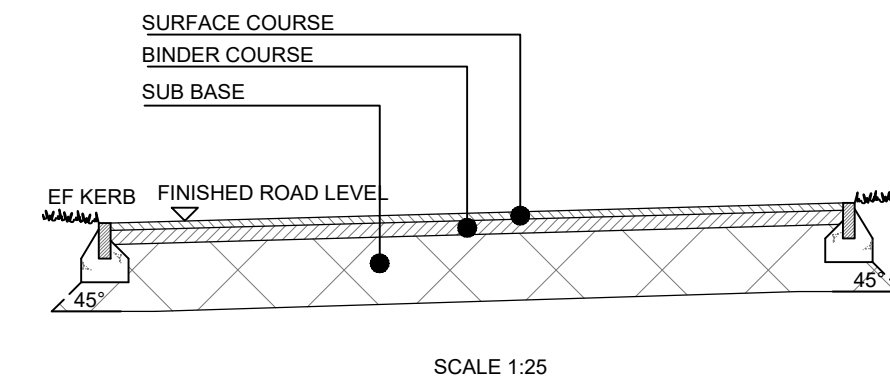
**BLOCK PAVED CARRIAGEWAY**

| LAYER    | SPECIFICATION  | THICKNESS (mm) |
|----------|--|----------------|
| SURFACE  | MARSHALLS KEYBLOK (200X100) CONCRETE PAVING LAID IN HERRINGBONE PATTERN. COLOUR: GREYS, 'CHARCOAL', REDS: 'BRINDLE' - SUBJECT TO CONTRAST WITH ADJACENT HIGHWAY AND HOUSES                                     | 80mm           |
| LAYING   | COURSE SHARP SAND. TO BE TREATED WITH APPROVED ACTIVE PRE AND POST EMERGENCE RESIDUAL WEED KILLER  | 50mm           |
| BASE     | CLOSE GRADED AC32 DENSE BIN, BINDER GRADE 40/60. COMPLYING WITH BS EN 13108-1  | 130mm          |
| SUB BASE | TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ONSITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.  | 240mm *        |
| CAPPING  | CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY. | 210mm *        |

THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.



**TYPICAL TARMACADAM PARKING SPACE**  
SEE TABLES FOR CONSTRUCTION DETAILS  
SCALE 1:25



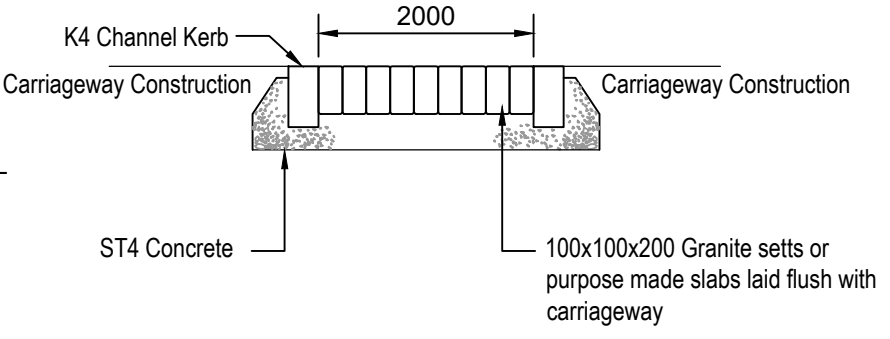
ALL THICKNESSES STATED ARE FINISHED COMPACTED THICKNESSES.  
FOR FROST SUSCEPTIBLE SOILS MINIMUM CONSTRUCTION DEPTH IS 450MM. FOR CBR VALUES 3% AND GREATER CAPPING LAYER IS TO BE LAID BELOW THE SUB-BASE TO ACHIEVE THE OVERALL CONSTRUCTION DEPTH OF 450MM.  
DBM, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPACTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".  
PAYMENT FOR THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

**ALLOTMENT ACCESS ROAD CONSTRUCTION**

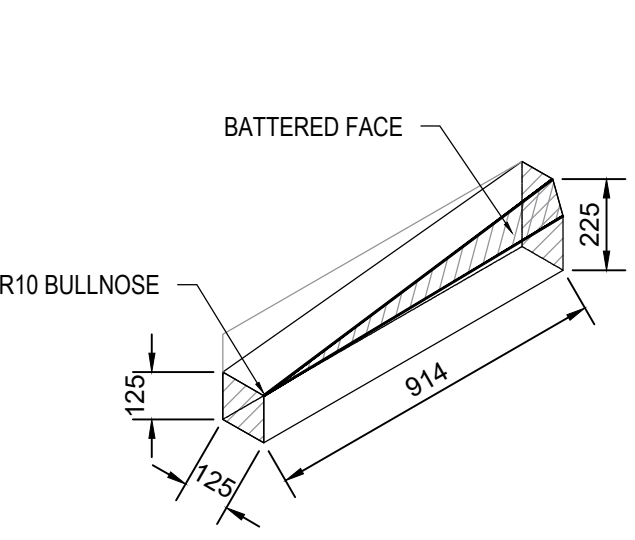
| LAYER          | SPECIFICATION   | THICKNESS (mm) |
|----------------|---|----------------|
| SURFACE COURSE | DENSE MACADAM SURFACE COURSE, AC10 DENSE SURF, BINDER GRADE 100/150, TO BS EN 13108. MINIMUM PSV/55. BITUMINOUS SPRAY. BITUMEN EMULSION IN ACCORDANCE WITH BS 434, SPREAD RATE = 0.5 LITRES/M²  | 30mm           |
| BINDER COURSE  | DENSE MACADAM BINDER COURSE, AC20 DENSE BIN, BINDER GRADE 40/60, TO BS EN 13108. SEALING GRIT FOR BINDER COURSE, IF REQUIRED, SHALL BE BITUMEN PRE-COATED GRIT, NOT EXCEEDING 3MM NOMINAL SIZE. | 80mm           |
| SUB BASE       | DTP TYPE 1 GRANULAR MATERIAL, TO SHW 803  | 150mm *        |

THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AND RESULTS REPORTED TO THE ENGINEER.

SUB BASE THICKNESS TO BE INCREASED DEPENDANT UPON ACTUAL CBR VALUE AS FOLLOWS:  
• CBR VALUE >6% 150mm SUB BASE  
• CBR VALUE 5% - 3% 250mm SUB BASE  
• CBR VALUE 3% - 2% 325mm SUB BASE  
• CBR VALUE <2% 300mm SUB BASE + GEOTEXTILE



**TYPICAL RUMBLE STRIP DETAIL**  
NTS



**HIGH BATTERED TO BULLNOSE TRANSITION DROPPER KERB**  
SCALE NTS

ALL THICKNESSES STATED ARE FINISHED COMPACTED THICKNESSES.  
FOR FROST SUSCEPTIBLE SOILS MINIMUM CONSTRUCTION DEPTH IS 450MM. ADDITIONAL SUB-BASE LAYER IS TO BE LAID BELOW THE SUB-BASE TO ACHIEVE THE OVERALL CONSTRUCTION DEPTH OF 450MM.  
BASE, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPACTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".

ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

| CBR       | Subbase on Capping   | Subbase only         |
|-----------|----------------------|----------------------|
|           | Subbase              | Capping              |
| ≤2.5      | Ground Stabilisation | Ground Stabilisation |
| 2.6-2.9   | 250                  | 420                  |
| 3.0-3.9   | 230                  | 280                  |
| 4.0-4.9   | 220                  | 330                  |
| 5.0-5.9   | 200                  | 250                  |
| 6.0-9.9   | 180                  | 240                  |
| 10.0-11.9 | 150                  | 200                  |
| 12.0-14.9 | 150                  | 180                  |
| ≥15       | 150                  | 150                  |

Data in table has been derived from figures 3.18 and 3.20 of CD 225 Rev 1

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- GENERAL NOTES:
- This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any structural, Geotechnical or other specialist document provided.
  - Any anomaly or contradiction between any of the above is to be reported to the Engineer.
  - WBC Highway Inspector to be present during inspections/ CBR testing.
  - Gratings and frames shall be to BS EN124 1994. Ref. Class E600/D400 Trafficked areas. Ref. Class C250 footways only. Large gratings may only be used by the approval of the overseeing organisation.
  - Dished gratings permissible in footways only.
  - Dowel bars may be required with standard kerbs in circumstances where the kerbs are vulnerable
  - Flags shall be bedded on 30 mortar to designation (ii) or (iii).
  - The laying arrangement shown of tactile slabs are indicative only and shall be in accordance with Guidance on the use of Tactile Paving Surfacing DETR. When the dropped kerb is in direct line of travel the tactile surface shall be laid to a depth of 1200mm
  - Crossing kerbs shall be flush with the carriageway where tactile flags are used.

| Rev | Date  | Description | Drawn | Checked |
|-----|-------|-------------|-------|---------|
| A   | 03.25 | First Issue | JJS   | RF      |

**ABLEY LETCHFORD PARTNERSHIP**  
Consulting Engineers  
3 Tealgate, Charnham Park  
Hungerford, Berkshire RG17 0YT.  
www.alpce.co.uk Tel: 01488 684390

**KIER PROPERTY DEVELOPMENTS LIMITED**

Project:  
**SOUTH WOKINGHAM SDL PHASE 2B R11 RESERVED MATTERS APPLICATION**  
Title:  
**HIGHWAY CONSTRUCTION DETAILS SHEET 1**

|                 |            |       |          |
|-----------------|------------|-------|----------|
| Status          |            |       |          |
| Scale           | Date       | Drawn | Checked  |
| AS SHN @ A1     | MARCH 2025 | JJS   | RF       |
| Drawing No      |            |       | Revision |
| A389-R11-RM-711 |            |       | A        |