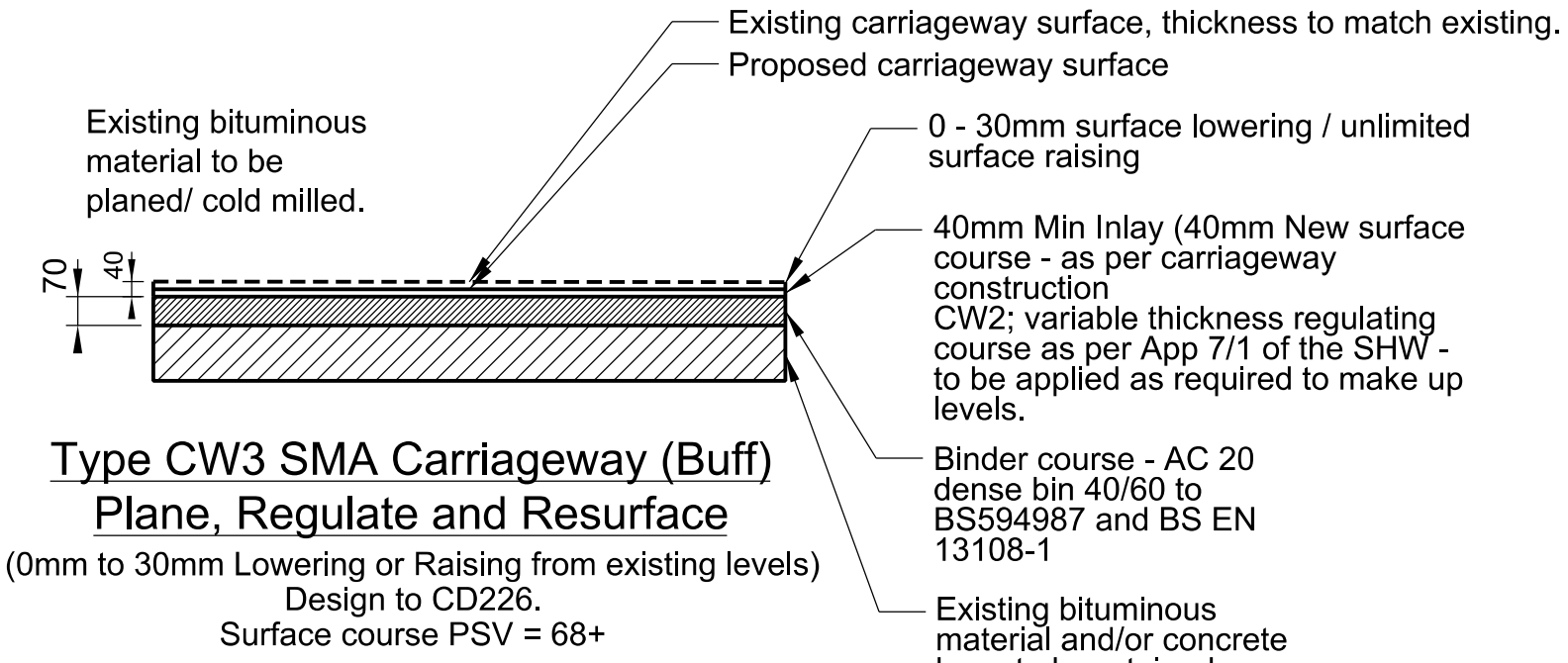
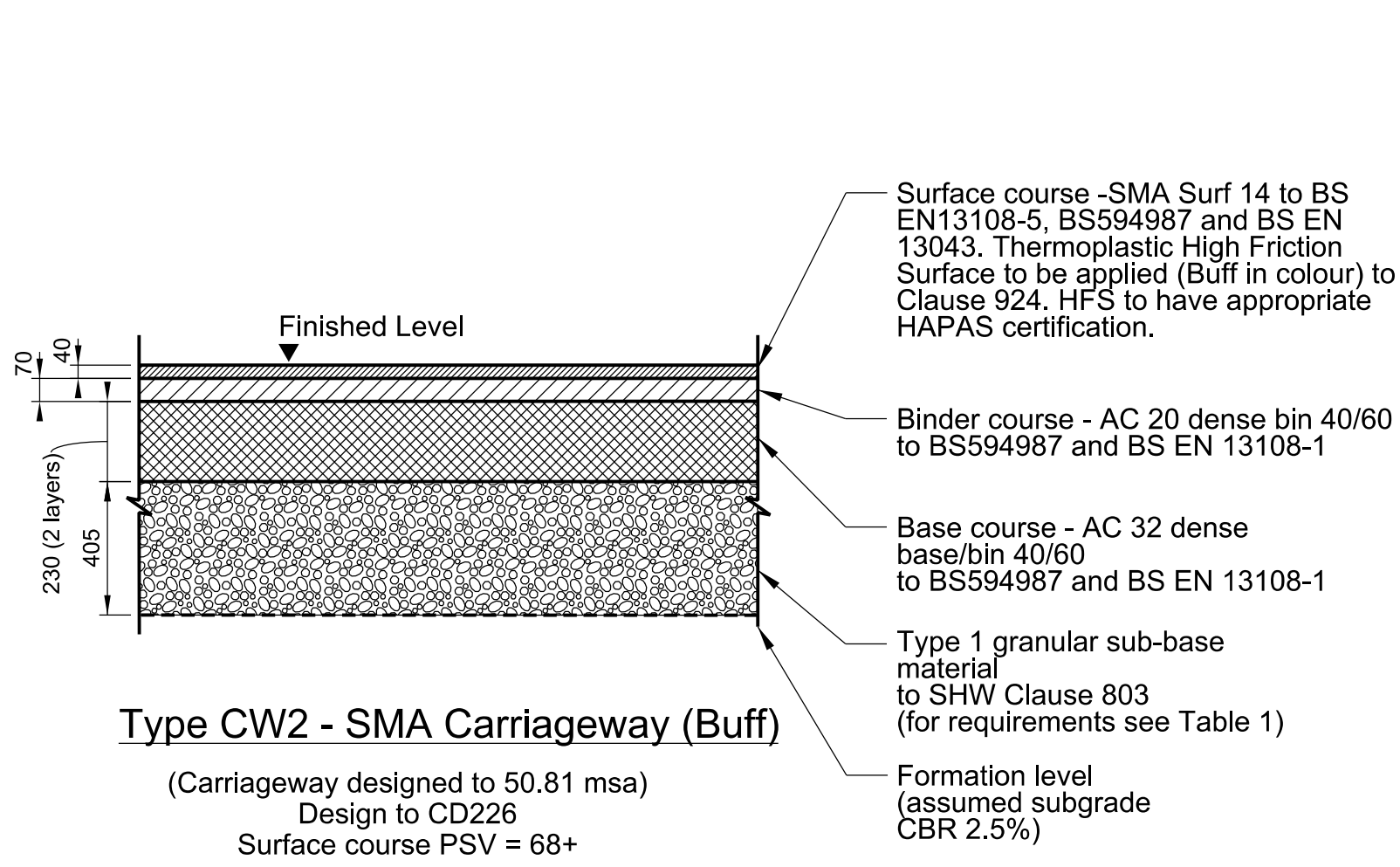
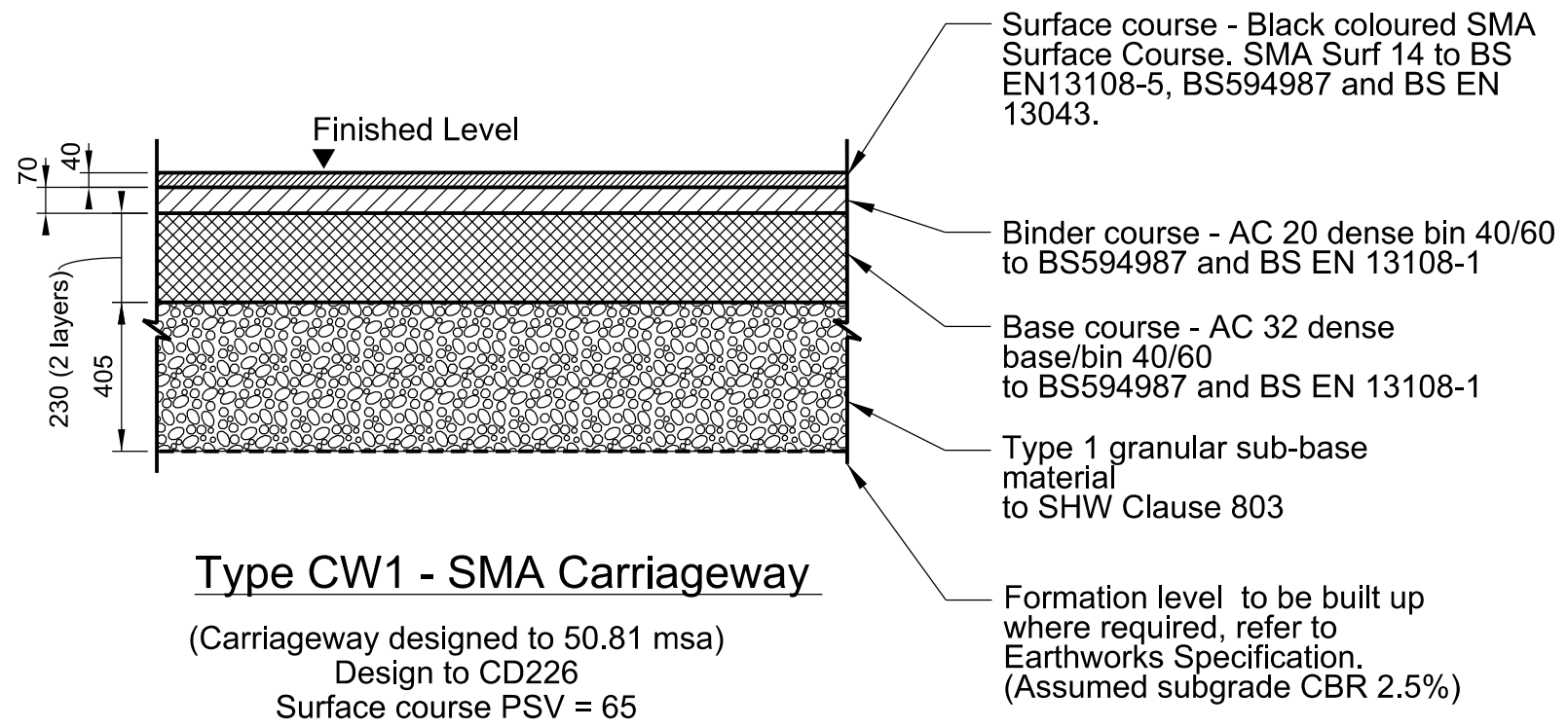


- Key:
- CW1 - Black SMA ( Full carriageway construction, PSV 65)
  - CW2 - Black SMA with HFS thermoplastic overlay(buff in colour) :Full carriageway construction, High friction, PSV 68+
  - CW3 - Black SMA with HFS thermoplastic overlay(buff in colour) : Plane, regulate and resurface existing carriageway, High friction, PSV 68+
  - CW4 - Black SMA ( Plane, regulate and resurface existing carriageway, PSV 65)
  - CW5 - Black SMA ( Plane, regulate and resurface existing carriageway - Regulatory material applied to base course levels then overlaid with new binder and surface course, PSV 65)
  - CW6 - Bus Lane - Black SMA with thermoplastic overlay (Buff in colour) : Plane, regulate and resurface existing carriageway into new bus lane, PSV 65
  - CW7 - Bus Lane - Black SMA with HFS thermoplastic overlay (Buff in colour) : Plane, regulate and resurface existing carriageway into new bus lane, High friction, PSV 68+
  - CW8 - Concrete (River access road, Full construction )
  - CW9 - Black SMA (Bridge deck surfacing)
  - CW10 - Bus stop -Concrete pavement (Full construction)
  - FW1 - Black SMA ( Full footway construction, heavy vehicle)
  - FW2 - Black SMA ( Plane, regulate and resurface existing carriageway into new footway)
  - FW3 - Black SMA ( Plane, regulate and resurface existing footway)
  - FW4 - Tactile paving (Full construction)
  - FW5 - Bus stop tactile paving (Full construction)
  - FW6 - Asda ramp/footway access and TPT footway.
  - Landscaped verge - 150mm topsoil to be provided and seeded. Refer to soft landscaping drawing for further details.
  - FW7 - Corduroy paving at steps

- Notes:
- A CBR of 2.5% has been assumed at formation level and has been used for the basis of pavement construction in the carriageway and footway. The CBR at the formation level is to be tested by the Contractor on site prior to construction to ensure that the minimum CBR is achieved. Details of testing are as specified in the Specification for Highway Works.
  - The formation will be tested and the appropriate Engineer will advise if CBR values are less than 2.5% are recorded.
  - All proprietary products are to be installed in accordance with the manufacturers specifications.
  - All carriageway pavement construction has been designed for a 40 year design life.
  - Any soft areas will require excavating until firm ground is found and backfilling with type 1 granular material and to be compacted in 150mm layers.
  - All pavement formations need to be free of roots and any vegetation
  - Where an area of back fill and or sub-base is less than 1.0m in width, concrete mix ST5 25N/mm2 shall be used up to 100mm from finished carriageway surface.
  - Granular sub-base layers are to be compacted in layer at depths between 150mm and 225mm.
  - Hot applied tack coats to be applied to all bituminous layers.
  - This drawing should be read in conjunction with drawing A61-ARUP-XX-XX-DR-CH-113
  - Tactiles on controlled pedestrian crossing to be red in colour and buff on uncontrolled pedestrian crossings.
  - Refer to drawing A61-ARUP-XX-XX-DR-LA-101 for details of soft landscaping proposals.

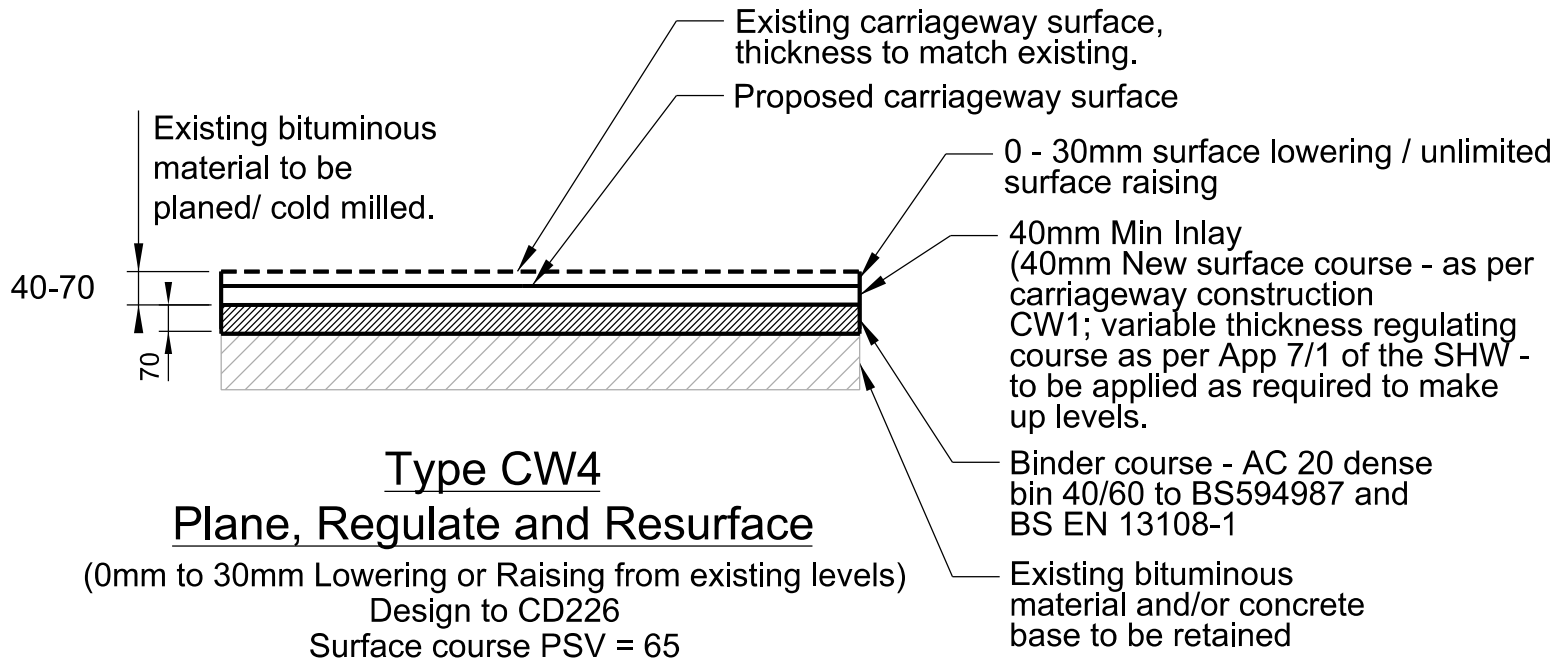


NB1: Minimum of 40mm to be planned off, to be increased to a maximum of 70mm where carriageway levels are to be lowered up to 30mm from existing surface level.

Build up to be: Surface course -SMA Surf 14 to BS EN13108-5, BS594987 and BS EN 13043. Thermoplastic High Friction Surface to be applied (Buff in colour) to Clause 924. HFS to have appropriate HAPAS certification.

Binder course - AC 20 dense bin 40/60 to BS594987 and BS EN 13108-1

For tie in stepping in detail refer to drawing: A61-ARUP-XX-XX-DR-CH-142



NB1: Minimum of 40mm to be planned off, to be increased to a maximum of 70mm where carriageway levels are to be lowered up to 30mm from existing surface level.

Build up to be:

Surface course - Black coloured SMA Surface Course. SMA Surf 14 to BS EN13108-5,

Binder course - AC 20 dense bin 40/60 to BS594987 and BS EN 13108-1

For tie in stepping in detail refer to drawing A61-ARUP-XX-XX-DR-CH-142

ARUP

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Client  
South Yorkshire Passenger  
Transport Executive

Project Title  
A61 Corridor

Drawing Title  
Pavement Construction

Scale at A1

1:500

Role

Civil - Highways

Suitability

- S1 - Fit for co-ordination

Arup Job No

253511-00

Name

A61-ARUP-XX-XX-DR-CH-112

Rev

P02