

## Construction Notes

### General

1. Site specific geotechnical investigations shall be undertaken prior to selecting a particular pavement profile based on the local subgrade conditions.
2. The testing frequency to confirm subgrade conditions, including the depth of groundwater, shall be undertaken in accordance with VicRoads Technical Note 78 - Guide to Planning Geotechnical Site Investigations.
3. Ground improvement works may include the construction of bridging layers over soft ground as well as adequate groundwater and drainage management.
4. Where ground improvement works have been undertaken, the pavement profile for a subgrade CBR of  $\geq 5\%$  may be adopted.
5. Pavement construction shall be in accordance with but not limited to the following VicRoads Sections:
  - 100 Series - General
    - 173 Examination and Testing of Materials and Work (Roadworks)
  - 200 Series - Formation
  - 300 Series - Flexible Pavements
    - 304 Unbound Flexible Pavement Construction
    - 310 Preparation of Granular Pavements for Bituminous Surfacing
  - 400 Series - Asphalt and Surface Treatments
    - 407 Hot Mix Asphalt
    - 409 Warm Mix Asphalt
  - 800 Series - Materials

### Drainage

8. Appropriate drainage design in accordance with VicRoads Standard Section 702 - Subsurface Drainage and VicRoads standard drawing SD 1601 shall be undertaken prior to construction of any pavement structures.

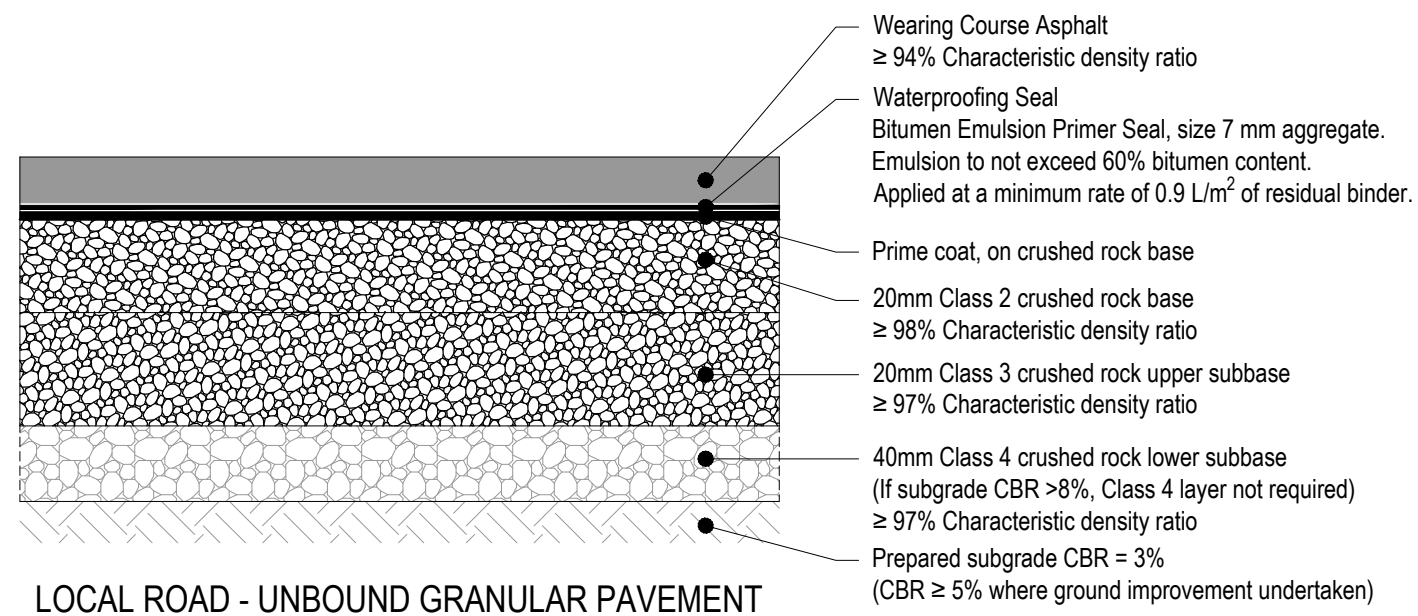
### Asphalt Pavements

9. Asphalt mix designs and construction of deep strength asphalt pavements shall be in accordance with VicRoads Standard Section 407 - Hot Mix Asphalt. Where Warm Mix Asphalt is approved for use, asphalt pavements shall be in accordance with VicRoads Standard Section 409 and Section 407.
10. Asphalt shall be spread in layers at the compacted thicknesses shown on the drawings or otherwise specified by the site superintendent.

### Recycled Materials

11. Class CC3 and CC4 recycled crushed concrete in accordance with VicRoads Standard Section 820 - Crushed Concrete for Pavement Subbase and Light Duty Base may be substituted for Class 3 and 4 crushed rock subbase.
12. The use of other selected recycled materials in road pavements can be implemented in accordance with Table A of VicRoads Technical Note TN 107 – Use of Recycled Materials in Road Pavements where applicable.

| Unbound Granular Pavement |                           |                  |   |   |  |  |  |
|---------------------------|---------------------------|------------------|---|---|--|--|--|
| Road Type                 | Pavement Type             | Subgrade CBR (%) | Wearing Course Asphalt  | 20mm Class 2 Crushed Rock Base layer (mm) | 20mm Class 3 Crushed Rock Upper Subbase layer (mm) | 40mm Class 4 Crushed Rock Lower Subbase layer (mm) | Total Granular Pavement Thickness (mm) |
| Local                     | Unbound Granular Pavement | 3                | 40mm layer, Size 10 Type N<br>40mm layer, Size 14 Type V at roundabouts | 200                                       | 200  | 150  | 550                                    |
|                           |                           | 5                | 40mm layer, Size 10 Type N<br>40mm layer, Size 14 Type V at roundabouts | 175                                       | 150  | 100  | 425                                    |
|                           |                           | 8                | 40mm layer, Size 10 Type N<br>40mm layer, Size 14 Type V at roundabouts | 150                                       | 150  | Not Required                                       | 300                                    |



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DRAWING NOT TO SCALE

Approved  
Project Services

Date  
Dec. 2020

Drawing Title  
LOCAL ROAD  
ASPHALT PAVEMENT

Original Size  
A3 Drawing No: CPP1101

Rev: A

A APPROVED FOR USE

DEC 2020

No Revision

Date