

PART R20
PAVEMENTS GENERAL

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1. GENERAL

- .1 This Part specifies the requirements for the construction of pavements.
- .2 The Contractor shall undertake the pavement work in accordance with the **Contract Specific Requirements** and / or the Drawings.
- .3 Where measurement of a pavement course is by area, the measurement shall be based on the surface area of the pavement course, measured from the dimensions at the top of the course as detailed on the Drawings and Sketches. Any fillets at the edges of the pavement course shall not be included in the measurement.
- .4 Complete details for the proposed work methods for pavement construction shall be included in the Contractor's Quality Plan.
- .5 "**Course**" means either subbase or base.

2. QUALITY REQUIREMENTS

- .1 Where applicable to the work under the Contract, the Contractor's Quality Plan shall include the following documents, procedures and/or instructions (at a minimum):
 - (a) processing of pavement materials;
 - (b) management of stockpiles, delivery and testing;
 - (c) method of MDD determination; and
 - (d) method of excavation adjacent to existing pavement, where applicable, vide Clause 3 "Excavation Adjacent to Existing Pavement".
- .2 If not provided beforehand, this documentation shall be submitted at least 28 days prior to the commencement of site work.
- .3 Provision of the procedures listed in this Clause shall constitute a **HOLD POINT**.

3. EXCAVATION ADJACENT TO EXISTING PAVEMENT

- .1 Where it is necessary to excavate adjacent to an existing pavement, the excavation shall be carried out such that it does not damage the existing pavement. This may involve the use of saw cutting or cold planing.

4. PAVEMENT LEVELS AND DIMENSIONS

- .1 This clause only applies where pavement courses are constructed to specified design levels.
- .2 Unless stated otherwise in Contract Specific Requirements, the pavement levels and dimensions shall be as follows:

Pavement That Does Not Incorporate Open Grade Asphalt

The design levels given in the Contract Documents are final surface levels of pavement, i.e. surface course of asphalt (dense) and uppermost granular course where seal coat treatment is to be applied. The levels of layers of pavement shall be calculated by deducting the nominal compacted thickness of pavement layers from the design levels. For SAMI and spray seal layers, allowance shall be made for the average least dimensions of the aggregate.

Pavement That Incorporates Open Grade Asphalt

The design levels shall be the surface level of the layer immediately below the open grade layer.

Pavement Tolerances

Pavement layers shall be constructed to levels within the tolerances specified. Although design levels are given at discrete points only, the Contractor shall achieve levels within the tolerances at all points in the pavement. The level of points not detailed shall be determined by linear interpolation.

5. PAVEMENT TREATMENT AT CULVERT LOCATIONS

- .1 This Clause only applies where a culvert intrudes into a pavement course that is being constructed.
- .2 The pavement course shall be discontinued when the presence of the culvert decreases the course thickness to less than 100 mm. The overlying course shall be continued over the culvert at increased thickness.

6. HOLD POINTS

- .1 The following is a summary of Hold Points referenced in this Part:

| CLAUSE REF. | HOLD POINT | RESPONSE TIME |
|----------------|---------------------------------|------------------|
| 2 | Provision of quality procedures | 1 working day |