C4.4.2.2 Pavement Materials

(a) Crushed aggregate

The Contractor shall be required to crush blasted rock from the cutting at Km 22 for the G2 base and surfacing stone .

There are large quantities of oversize, blasted rock at the quarry at Km 22. Where possible the Contractor shall be required to break the oversize material down to a size that can fit into the crusher. No blasting of additional rock from the quarry shall be permitted without prior approval from the Engineer.

(b) Sub-base

Limited quantities of crushed aggregates are available in stockpile at the cutting at Km 22 for the subbase. The remaining Sub-base material will be dolerite material obtained from the cutting at Km 22. Provision has been made for the erection and re- erection of a mobile crusher to crush material from these sources. Sub-base material shall be type G6/G7 before stabilization.

(c) Upper selected layer

Mudstone and/or siltstone may not be used for the upper selected layer, only dolerite or sandstone from the cuttings or borrow areas as indicated in Volume 6 or from cuts shall be used. Allowance has been made for crushing the selected layers.

(d) Lower selected layer/fill

Suitable material for the construction of fills and the lower selected layer shall be imported from cuts and/or selected borrow pits as indicated in Volume 6. Materials from the pavement layers of the existing road may be used, if approved by the Engineer.

(e) Water

The Contractor shall monitor the quality of the water obtained from all sources on a regular basis and the contractor shall ensure that only water of an acceptable quality is used in concrete and the construction of the pavement layers and fills.

C4.4.3 Drainage Works

As shown on the drawings, drainage works will consist of the following:

- In situ small box culverts
- Subsoil Drains (fin drains)
- Un-lined open drains
- Concrete-lined side drains and grid inlets
- Asphalt berms and down-chutes on high fills
- Interceptor berms and chutes in cuts
- Erosion protection measures