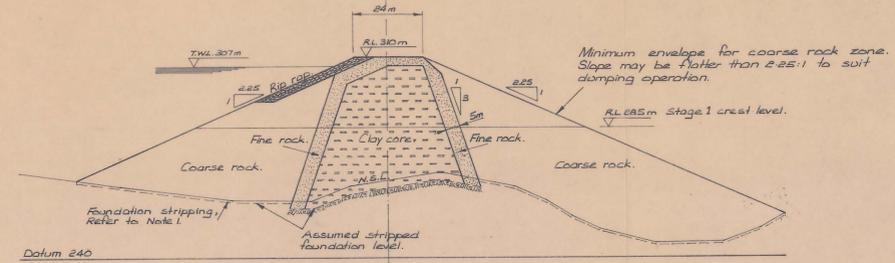
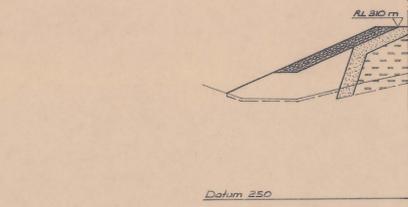


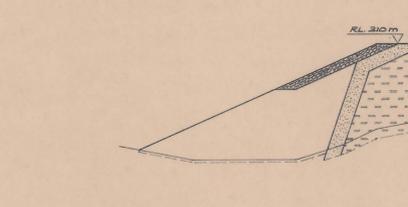
PLAN
Scale 1:1000



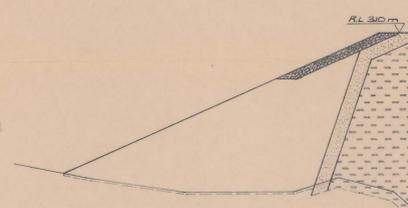
TYPICAL SECTION CH. 160



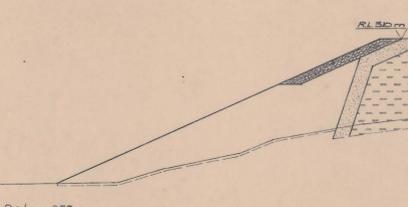
CH. 240



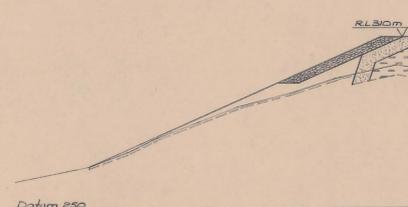
CH. 200



CH. 120



CH. 80



UPSTREAM HALF SECTIONS CH. 40
Scale 1:1000

NOTES

1. Foundations

Site to be stripped of all vegetation and topsoil prior to placing any embankment material.

Foundation beneath clay core and filter to be stripped to competent rock. Any fissures or seams in rock-clay contact likely to carry water to be cleaned out and sealed to engineer's approval.

Prior to placing clay, foundation to be inspected and approved by engineer.

Initially clay placed against rock foundation is to be in layers approximately 200 thick and wetter than optimum moisture rolled to optimum density. The purpose being to ensure that there is no seepage along the clay to rock contact. - See Note 2(a). This may be varied as the dam reaches higher elevation subject to engineering approval.

Clay not to be placed in foundation unless rock/clay contact is dry and clean.

2. Embankment Construction

(a) Clay core. Clay to be won from mine overburden and to be free of organic material or topsoil. Clay to be used against foundation rock should be medium to high plasticity, amphibolite clays should be used in embankment as much as possible.

Clay core should be constructed in horizontal layers and compacted so as to achieve 95% standard compaction.

The top surface during construction should be graded so as to be free draining with no puddles or free water on the surface prior to placement of next layer.

Rolling for compaction to be by loaded rubber tyred mine vehicles. Surface of preceding layer to be scarified prior to placing.

Clay to be placed as near as practical to optimum moisture content and to be checked at random for field density and results compared with laboratory compaction tests.

(b) Filters. The filter zones are to be of clean hard rock mine residue of average size 25mm.

Filter zones are to be constructed at same time as clay core and kept up to the same level during embankment construction.

Compaction should be carried out on each one metre layer using loaded mine vehicles.

(c) Rock fill to be of clean hard rock mine residue with no more than 5% of the material less than 10mm in size.

Rockfill can be placed in layers up to 3 metres thick and compaction is not necessary.

In general rockfill construction both upstream and downstream should be kept up to as near the same level as practicable to the clay and filter levels.

3. Programme

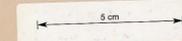
Construction programme to be in accordance with availability of clay, filter and rock material from mining operations.

As soon as sufficient storage is achieved to accept floods with safety, tailings should be deposited against the upstream face of the dam as soon as practicable.

4. Spillways

Spillways for crest levels of 285 and 310 metres are shown diagrammatically only on the plan.

5. This drawing has been prepared using information from SRM and the proposal has been developed to achieve the desired objectives within the limitations of practical mining operations.



NO. CONTRACT NO. VARIATION NO. NOTICE TO T.N.O.				APPROVED DATE NO. CONTRACT NO. VARIATION NO. NOTICE TO T.N.O.				REVISION				APPROVED DATE NO. CONTRACT NO. VARIATION NO. NOTICE TO T.N.O.				REVISION							
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