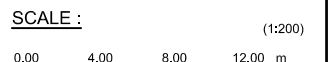
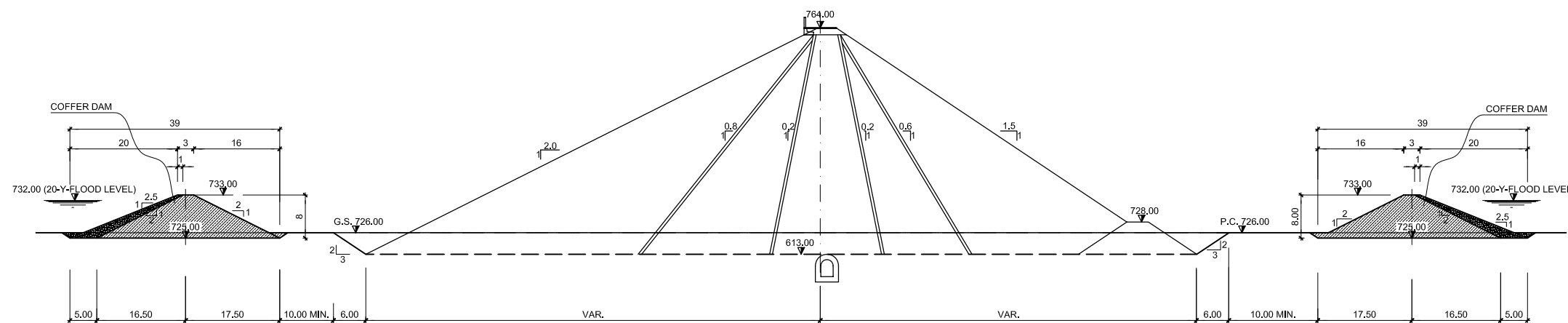


NOTE:

- A temporary opening in the embankment of the dam will be used for routing the river across the dam site during construction of portions of the dam on both sides of the gap. The opening has a base width of 120m in order to allow for discharging a flood with a return period of 20 years, equal to 2800 mc/s.
- Adequate coffer dams must be constructed up to El. 733m asl in order to protect the construction works from the 20-year-flood.
- Finally, the river will be diverted through the bottom outlet by means of a lined diversion tunnel, during the dry season in order to allow the total closing of the dam.
- The tunnel has a diameter of 8 m to discharge the maximum expected flood during the dry season with a 20 years return period (approx. 280 mc/s). The tunnel entrance will be permanently sealed once the embankment has been completed.

RIVER DIVERSION TYPICAL SECTION (1:500)



09.10.2009



BAKIN KOGI DAM AND HPP

PRELIMINARY DESIGN

ZONED DAM ALTERNATIVE
RIVER DIVERSION

Date:	Draw:	Chec:	App:	Modifications:	
10.09.2009	TRS-MS	MB	La	A1 (84 x 59.4)	1:VAR
Date:	Draw:	Chec:	App:	Size:	Scale:
N. comm.	Name File	6520.0-P-260	N. L.O.	6520.0-260	