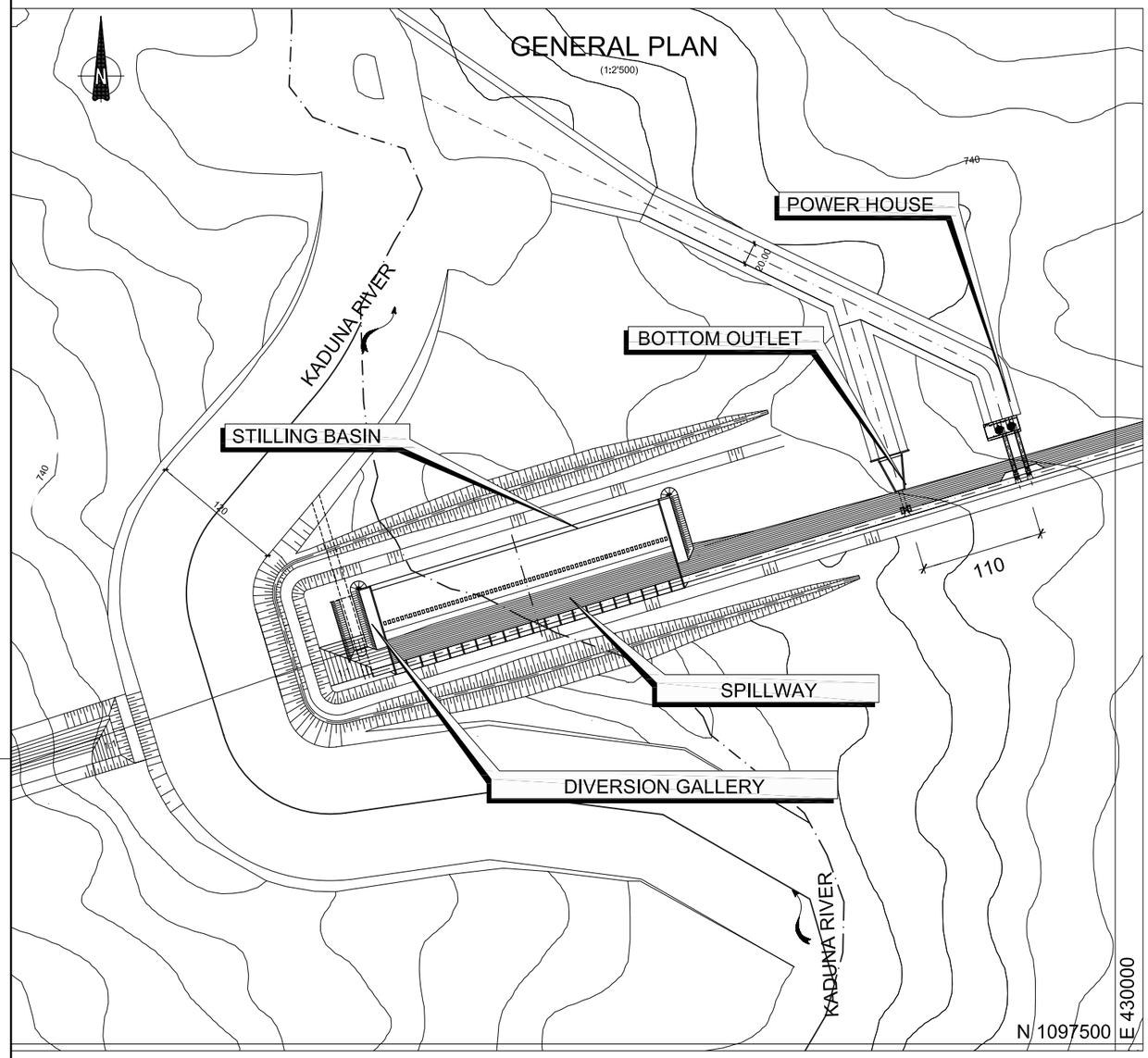
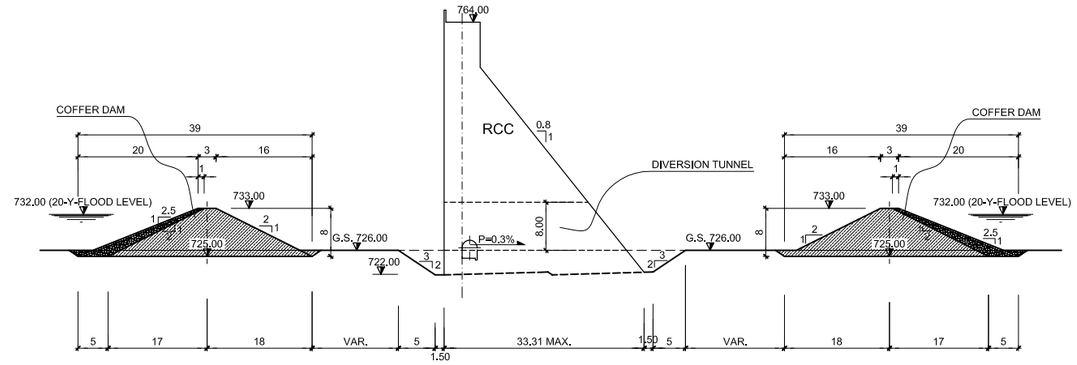


RIVER DIVERSION TYPICAL SECTION

(1:500)



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 is planned to be diverted through a lined diversion tunnel across the dam, during the dry season in order to allow the total closing of the dam.

SCALE : (1:200)

0.00 4.00 8.00 12.00 m

SCALE : (1:500)

0.00 10.00 20.00 30.00 m

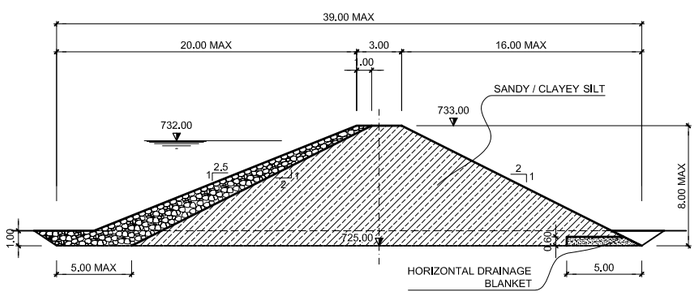
SCALE : (1:2'500)

0.00 50.00 100.00 150.00 m

09.10.2009

COFFER DAM TYPICAL SECTION

(1:200)



dar al-handasah shair and partners

LOMBARDI ENGINEERING LIMITED

BAKIN KOGI DAM AND HPP

PRELIMINARY DESIGN

RCC ALTERNATIVE - RIVER DIVERSION

Date:	Draw.	Chec.	App.	Modifications	
					C
					B
					A

Date:	Draw.	Chec.	App.	Size:	Scale:
10.09.2009	TRS-MS	MB	La	A1 (84 x 59.4)	1:2'500 - 1:500 - 1:200

N. comm. | Name File 6520.0-P-209 | N. LO. 6520.0-209