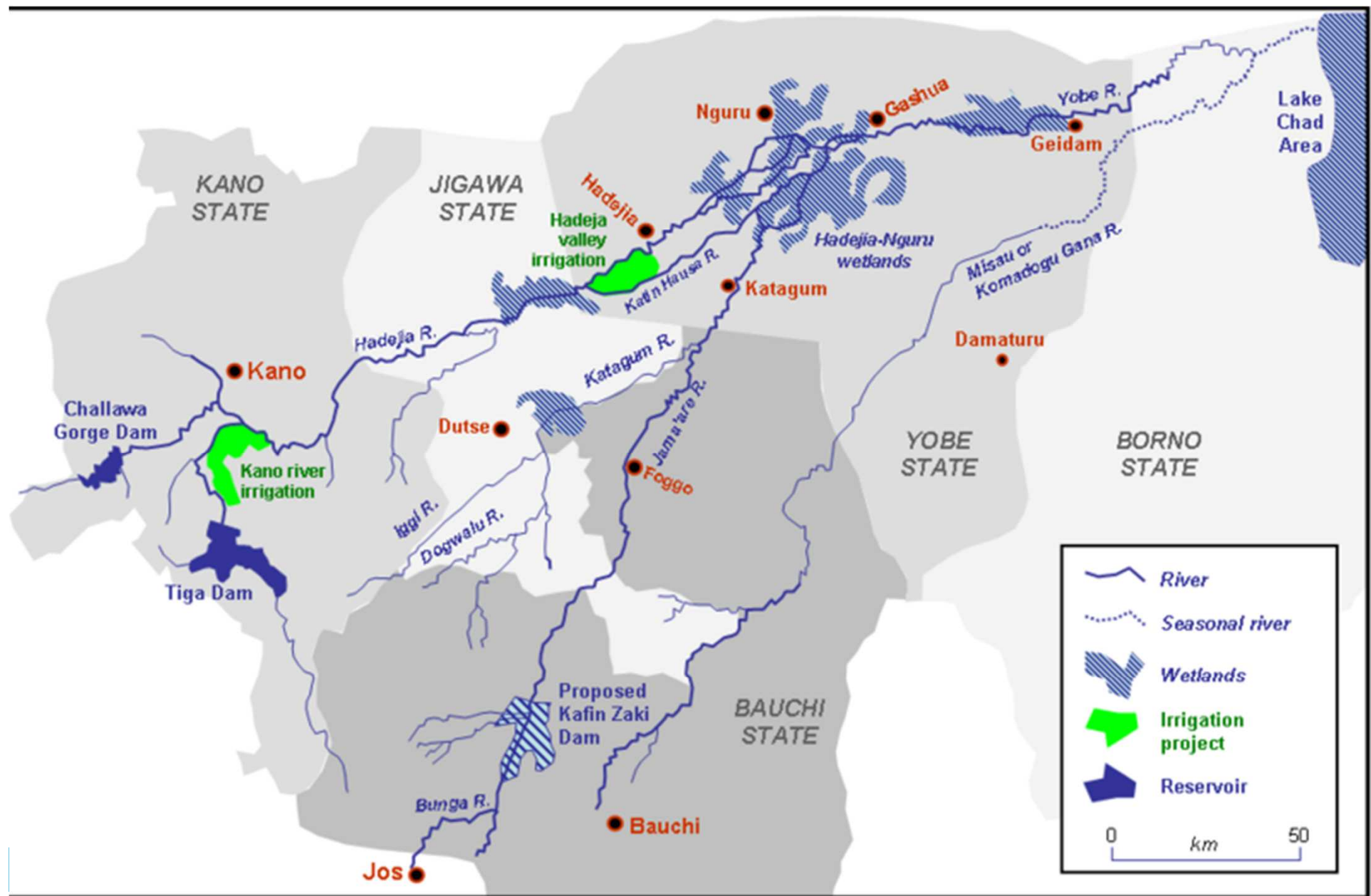
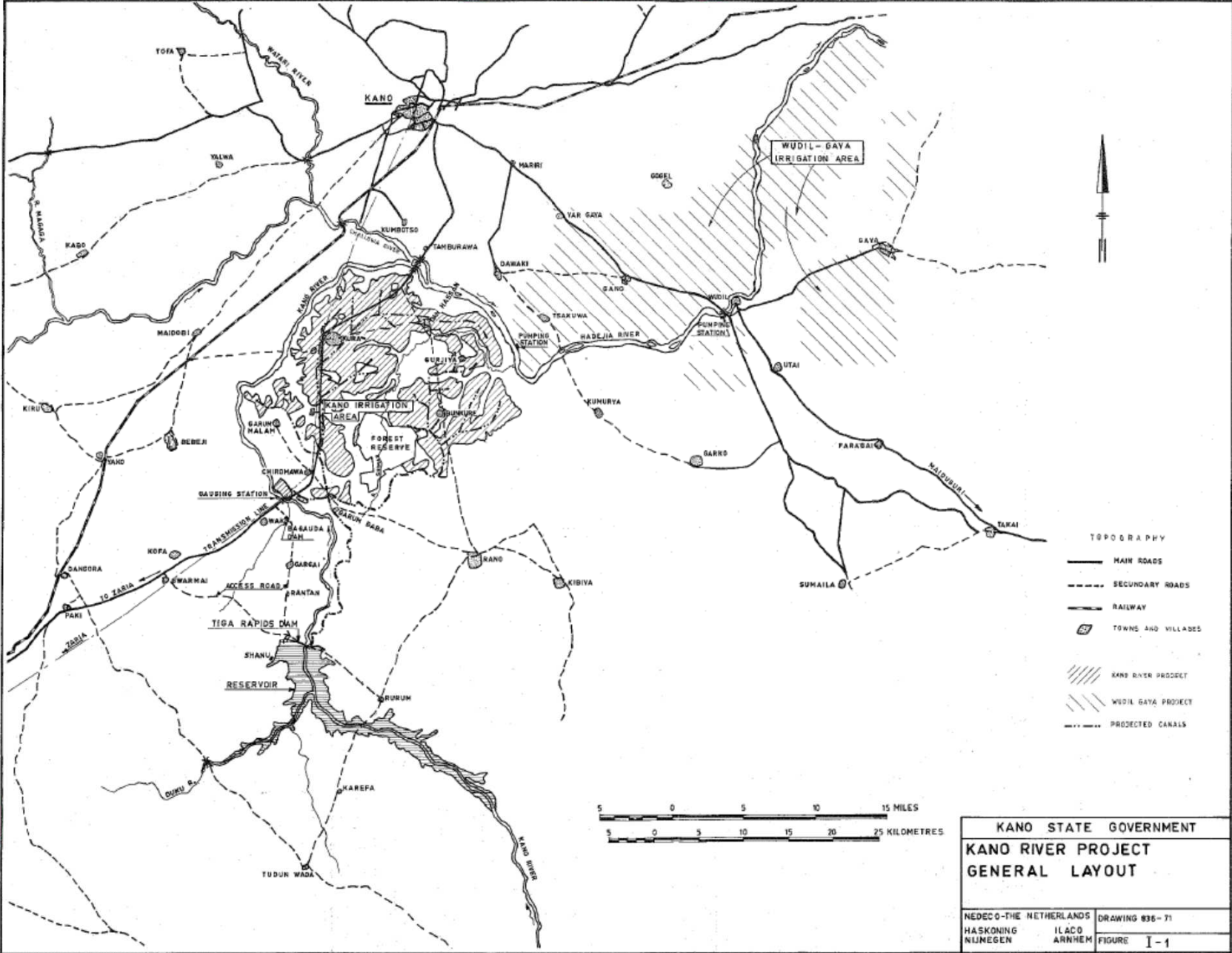


Irrigation in Kano, Nigeria

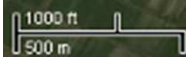




The Kano River Project, Nigeria



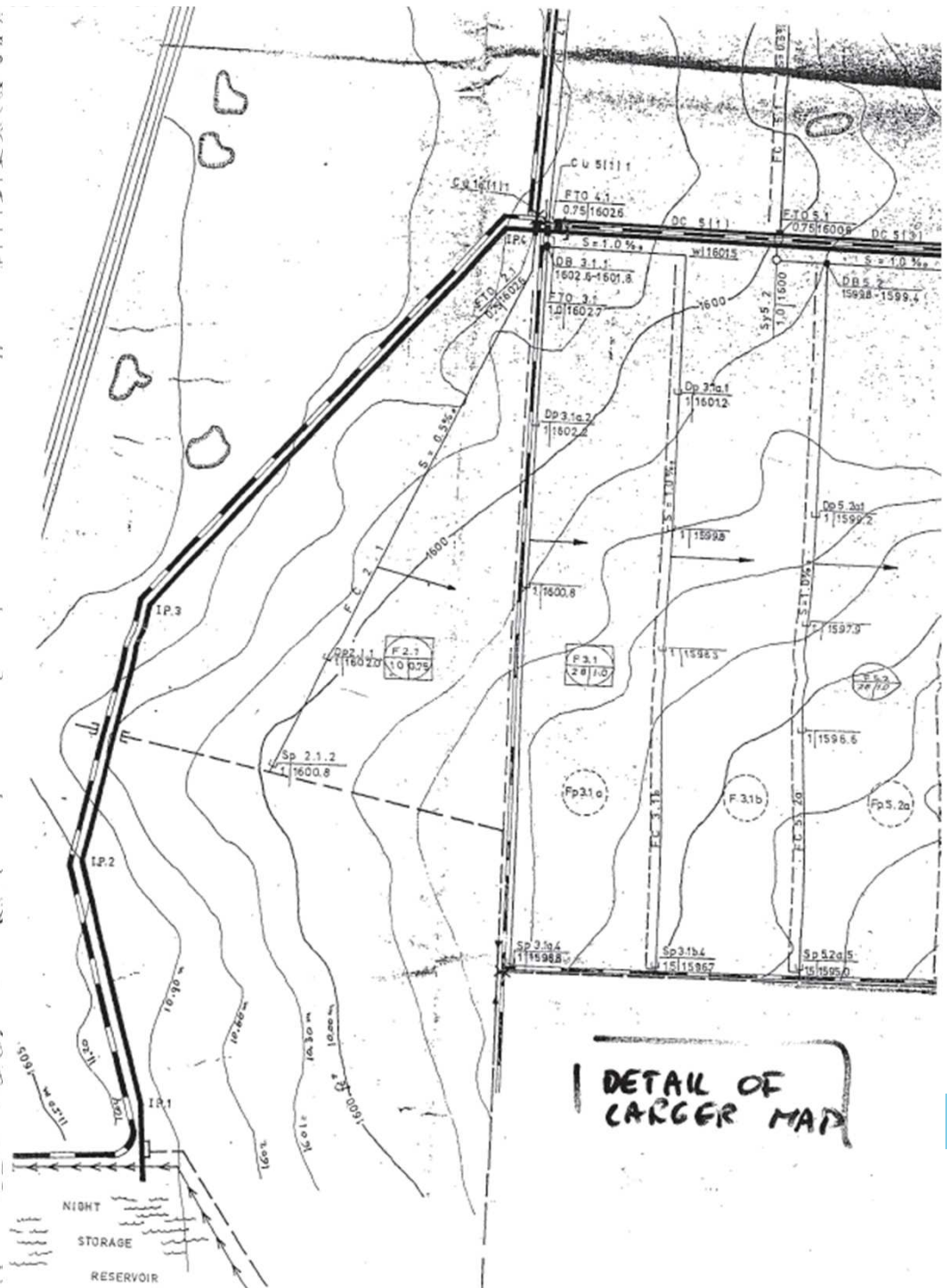
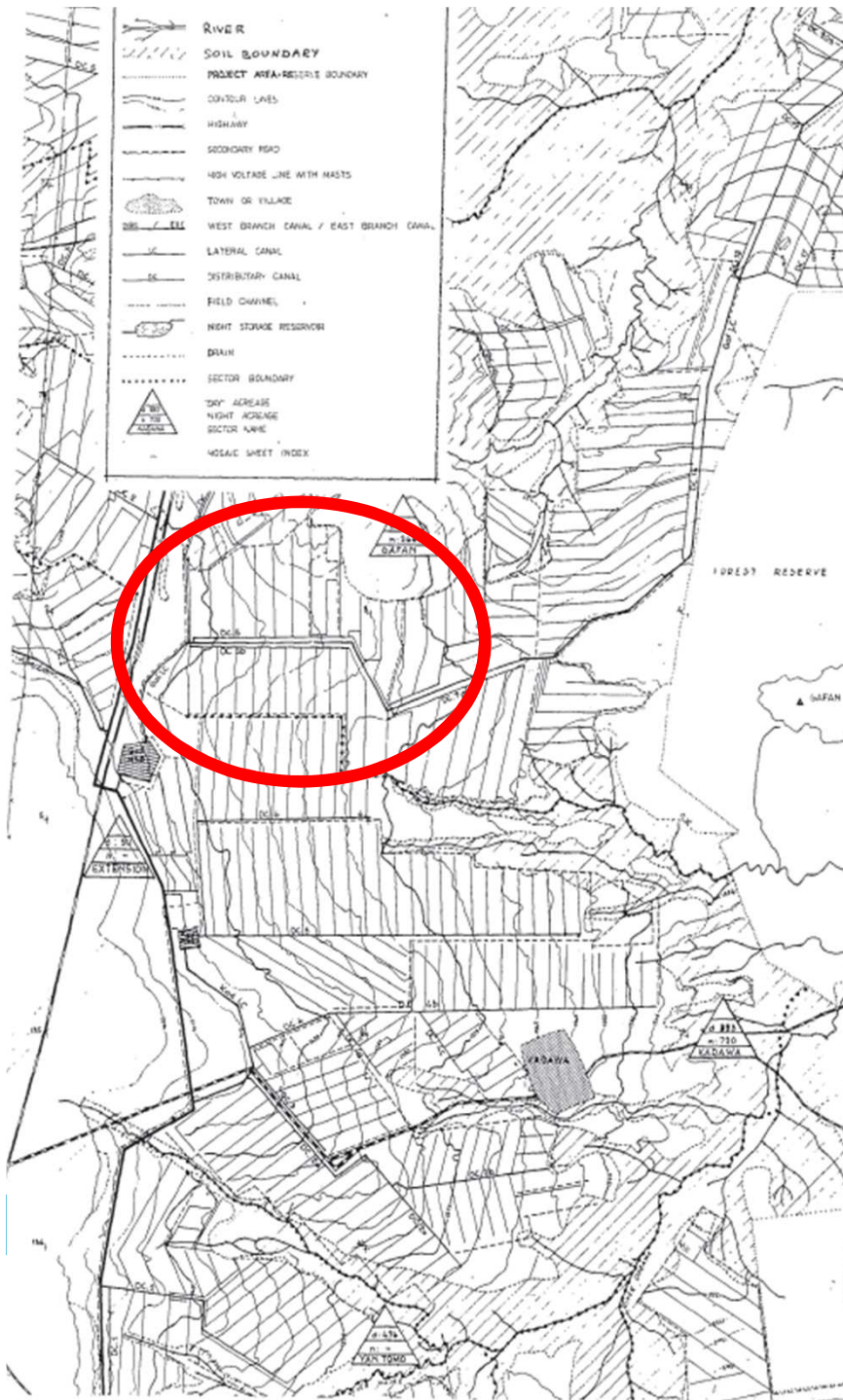


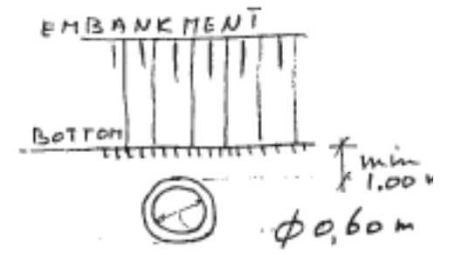
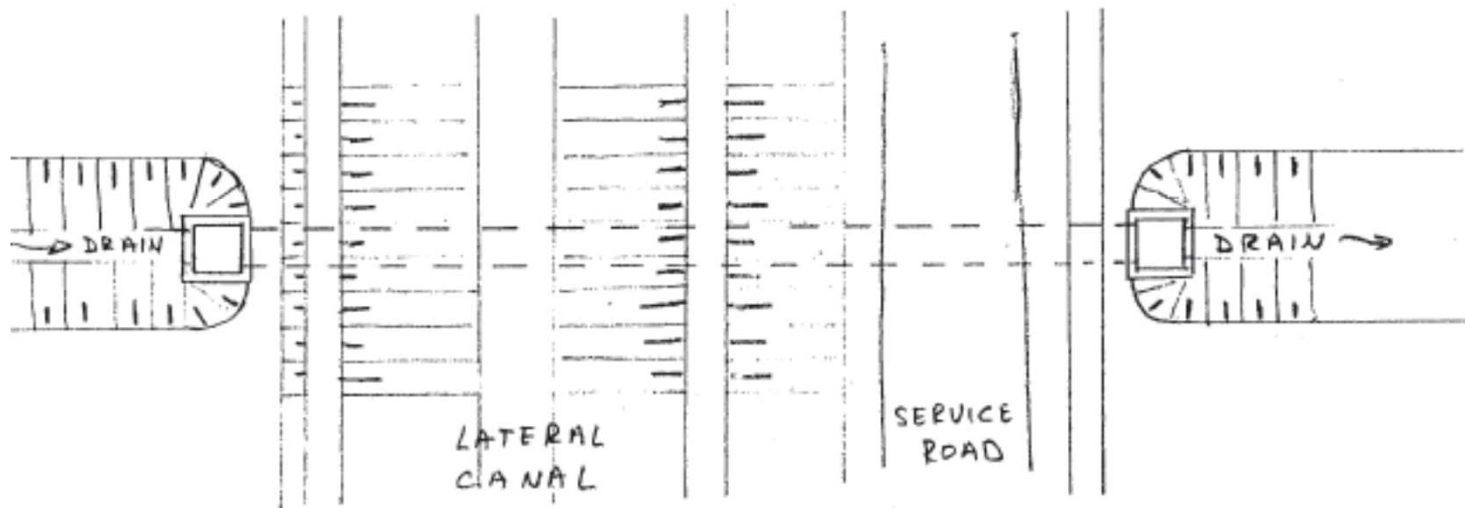




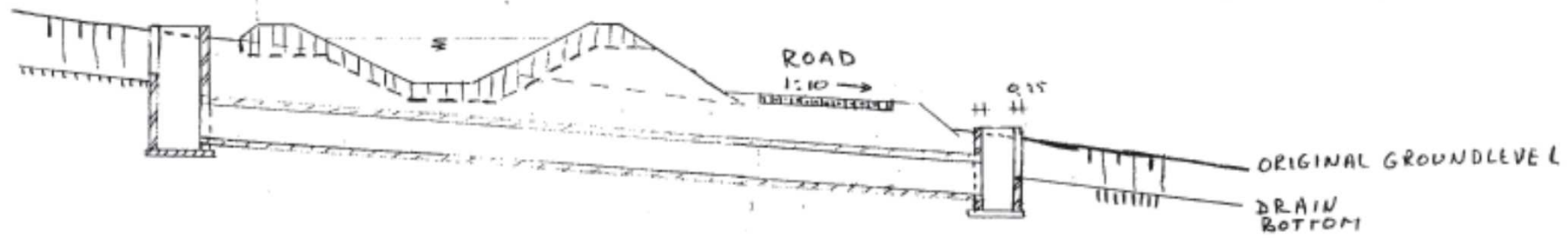








NUMBER OF PIPES
ACCORDING SITUATION.
(for Gafan lateral
one pipe is
sufficient)



- metres
- COMPACTED CLAY $k \leq 10^{-6}$ cm/sec
- sand cement block masonry STANDARD 0,25m THICK
- reinforced concrete
- laterite road surface

KANO RIVER PROJE
TYPICAL DESIGN
CROSS DRAINAGE
CULVERT.
GAFAN

Your task

The farmers state that:

- they regret that, although water is available for irrigation, it is not available for them because of financial problems with the Government;
- they are in the position, with self-help, to construct the first three tertiary fields and the appurtenant tertiary canals;
- they are not in the position to construct the lateral canal with the appurtenant tertiary offtakes and secondary weirs. However, they are able to collect the required finance to assign a contractor to do the required work;
- they do not have the technical capacity to instruct a contractor and to guarantee the quality of the works;
- they request the RDP to prepare the design and the tender documents with cost estimate for the construction of the secondary canal with its structures, so that the works can be constructed.

You are assigned to solve the problem of the village Gafan, so that that the first three tertiary units can be irrigated.