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EUGENIA FALLS EARTH STORAGE DAM

BELONGING TO THE DEVELOPMENT NOW NEARING COMPLETION ON THE BEAVER RIVER FOR THE ONTARIO HYDRO-ELECTRIC POWER COMMISSION — SOME NOTES ON ITS CONSTRUCTION.

> By R. T. HYLAND, The Hyland Construction Company, Toronto.

H YDRO-ELECTRIC energy will shortly be supplied to a number of municipalities in the vicinity of Owen Sound as a result of the exhaustive power investigations and subsequent development of a generating site on the Beaver River at Eugenia Falls.

tion by the Hydro-Electric Power Commission of Ontario for the generation of its own power. It is to operate under a head of about 550 feet, the highest in Canada with the exception of one or two plants in British Columbia. The development involved the building of a dam above the



The project has already been described by The Canadian Engineer as one of the most interesting of its kind that the utilization of Canadian water powers has presented up to this time. It is the second plant to be put into opera-

The dam is 960 ft. in length with a maximum height of 30 ft., the crest being flat and 10 ft. in width. The slopes, which are 3:1 on the upstream side and 2:1 on the downstream side, are supported by rock toes, the up-