

# 論 說 報 告

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## GENERAL THEORY ON EARTH PRESSURE AND SEISMIC STABILITY OF RETAINING WALL AND DAM.

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### ADDENDUM

(1) Does the equation (58)'' in Section III. Art. 4. b). express a rocking motion at any cycle.?

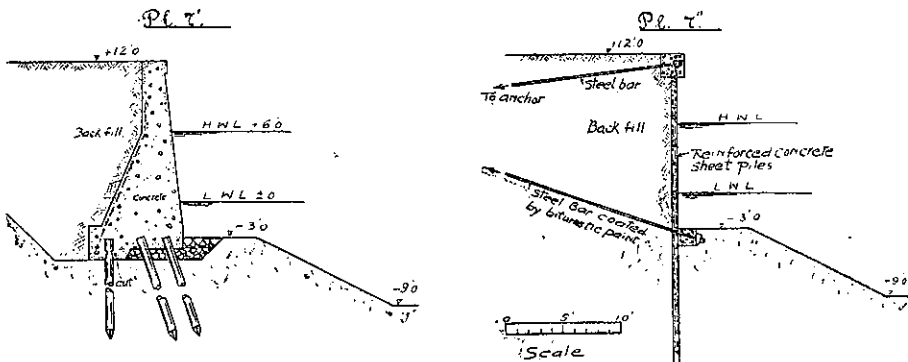
Equation (58)'' expresses the initial cycle of a rocking motion only, but the motion of successive cycles will be delivered from the same by some tentative methods.

(2) Is the condition  $W_e < W$  in Section III. Art. 6. a). for the safety against overturning applied for successive rocking?

The condition indicates the safety of a wall for an initial cycle of a rocking, and it is far from being applied for successive motion, especially when the motion is synchronous. But the condition will give general idea, that a body having larger absolute dimensions is not overturned by an ordinary earthquake as we have misunderstood up to now.

(3) What is the recommendable plan of a wharf or a canal side-wall, where the apron in front of the wall makes some slope and the foundation is soft.?

The plan shown in Pl. 7' and Pl. 7'' will be ideal design of a side wall, on which seismic force being considered. If the works be carried in water, the attention paid for Pl. 7' should be also applied for the design of Pl. 6.



(The End)