No. C-4

BIBLIOGRAPHY OF SHANGHAI SOIL AND FOUNDATIONS

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No. C-5

TESTING THE SUBSOIL FOR THE NEW DRINKING WATER RESERVOIR OF THE CITY OF VIENNA AT LAINZ GAME PRESERVE

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This reservoir which is still in the course of construction is to have a capacity of 144,000 m^3. As far as is known here, this exceeds the capacity of the largest covered reservoir for drinking water now in existence. This reinforced concrete structure is being erected on a site owned by the Municipality of Mauer near Vienna. The layout covers nearly 24,500 m^2. The supporting walls with footings altogether 800 m long have a thickness of 35 cm, a height of seven metres and carry, together with 790 columns (42 by 42 cm square section) a flat slab, 25 cm thick without girders. The normal depth of water is to be 6 m. The distance between the columns amounts to about 5.5m. In order to counteract